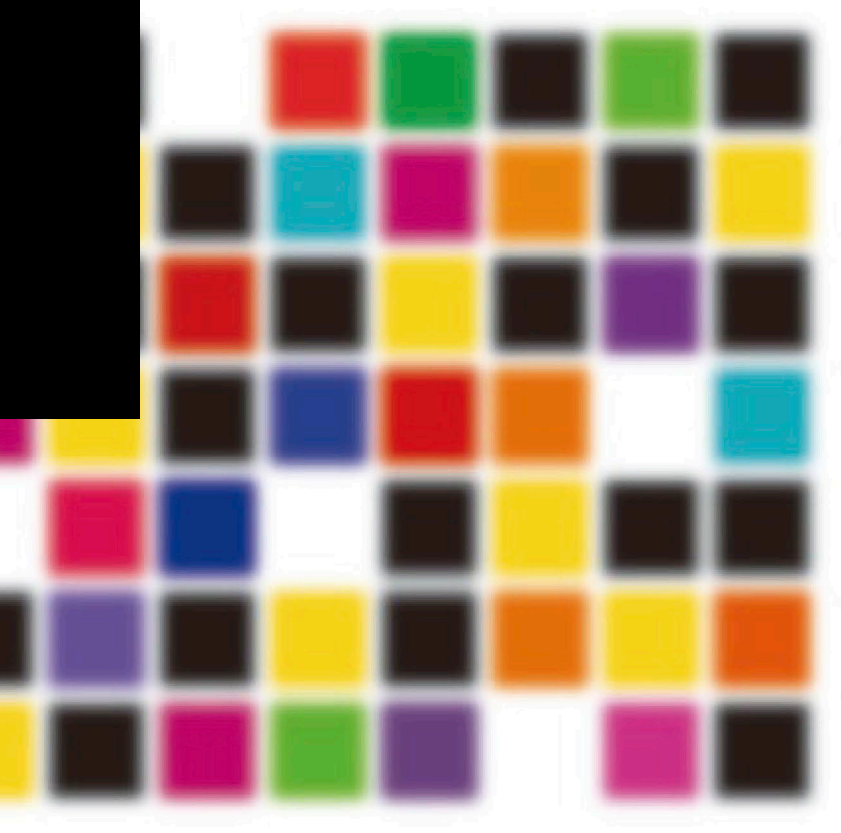




# Tensioner & Idler Bearing

## #1

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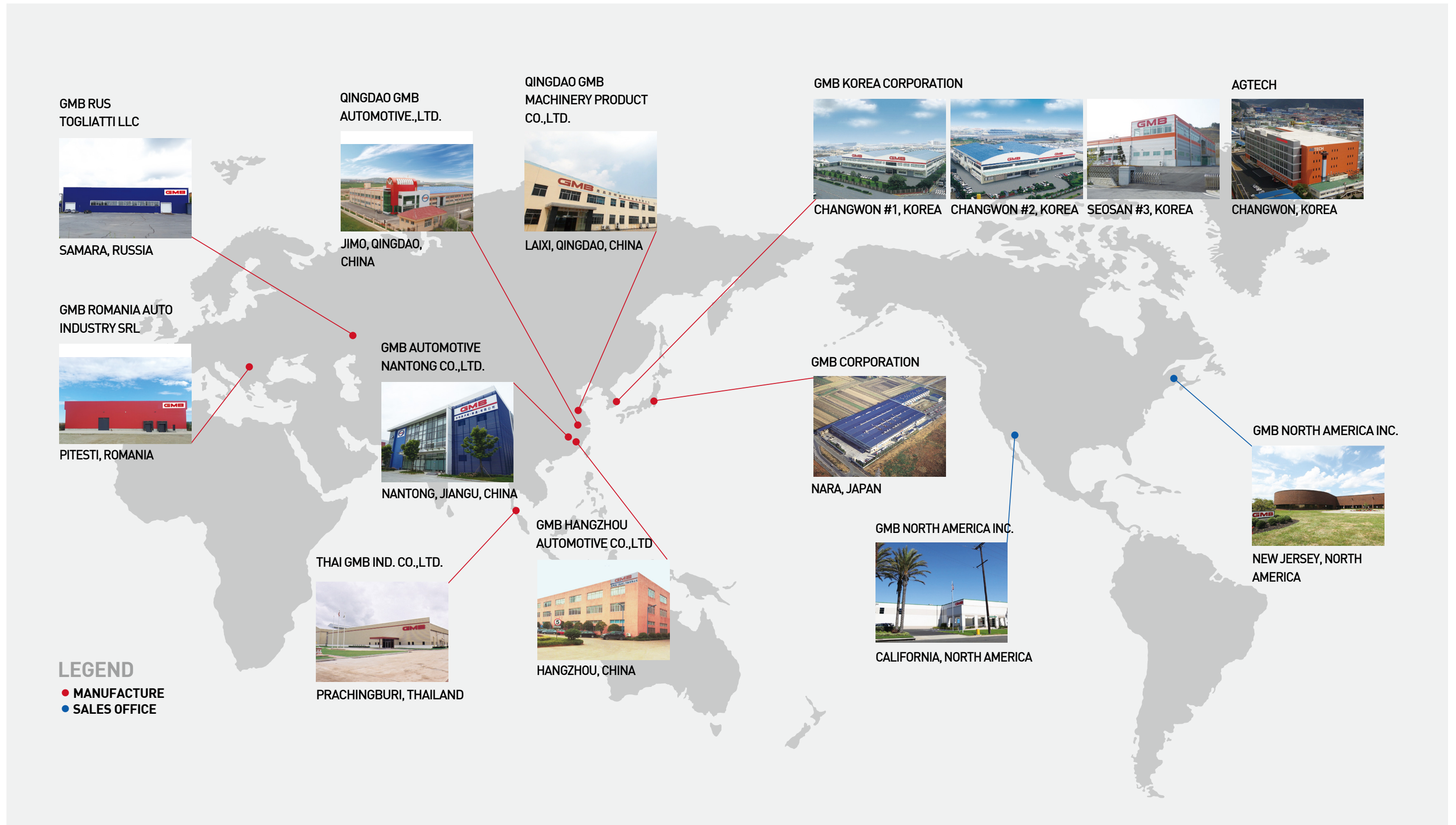
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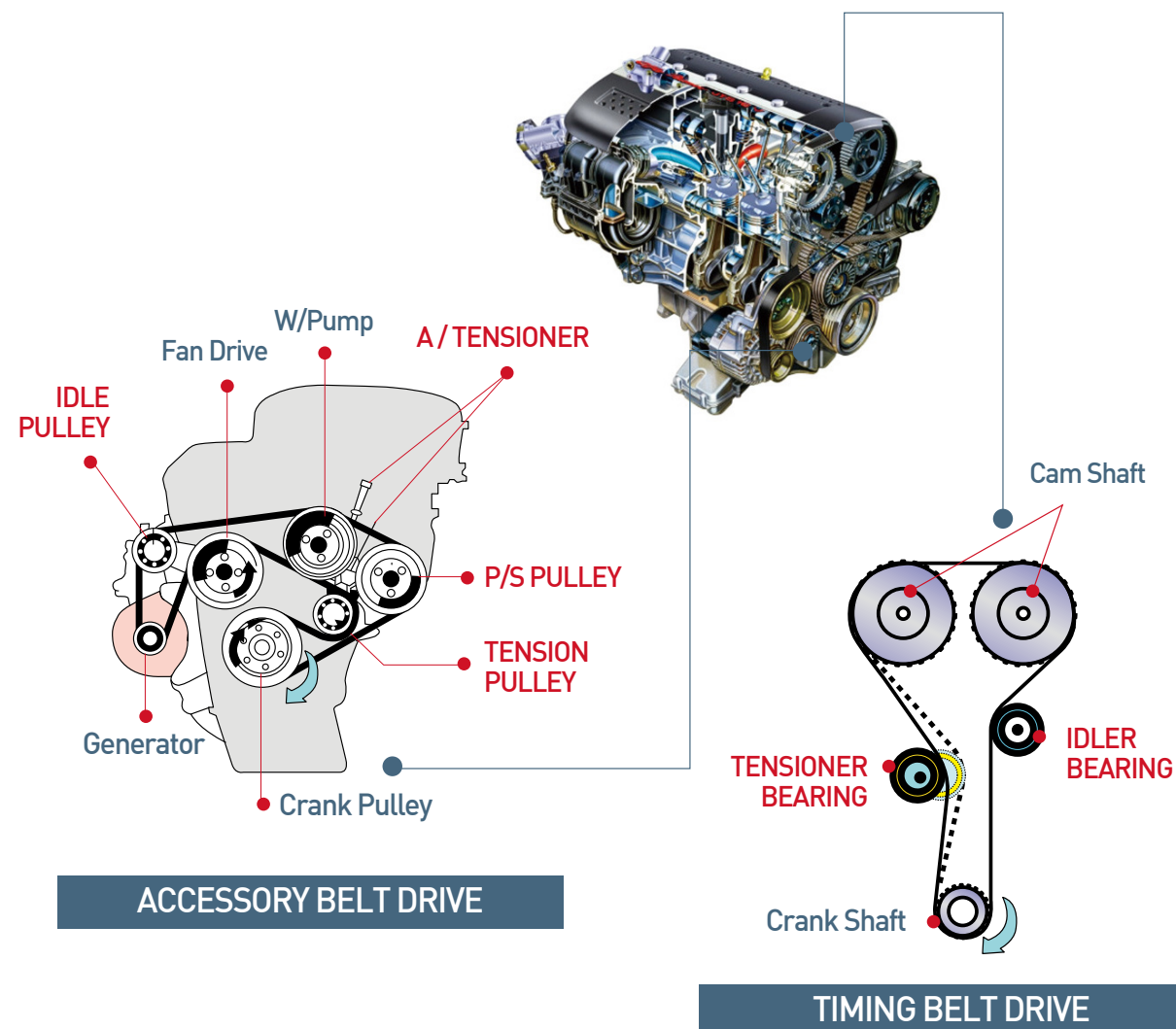
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## Definition of Tensioner & Idler Bearing (TIB)

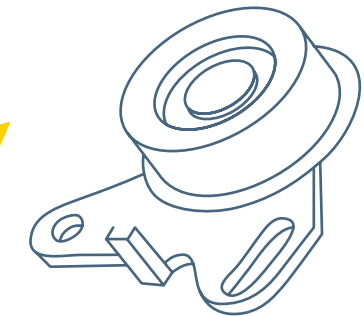
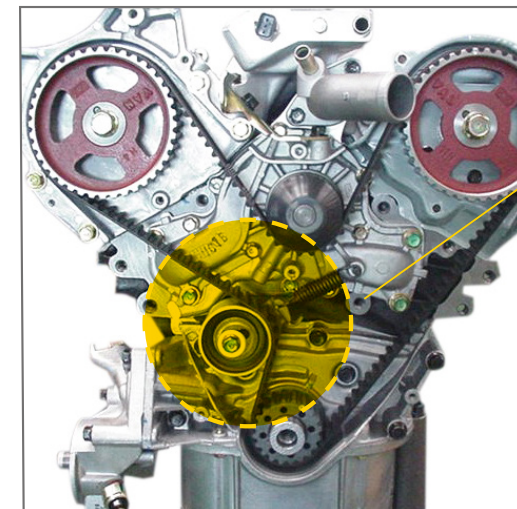
- Special terms of parts(TIB) used in Engine for belt drive of engine



• Attention : This is not limited to Tensioner & Idler of vehicles

## 1. About Tensioner Bearing

- Tensioner bearing moves by belt along with its outer rim and It's located where the belt is slack but that has own characteristics by engine type (Should be implemented)



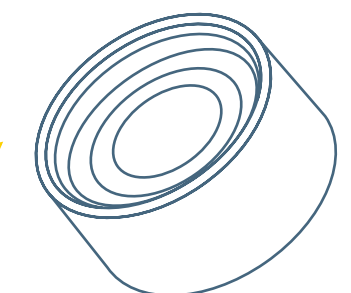
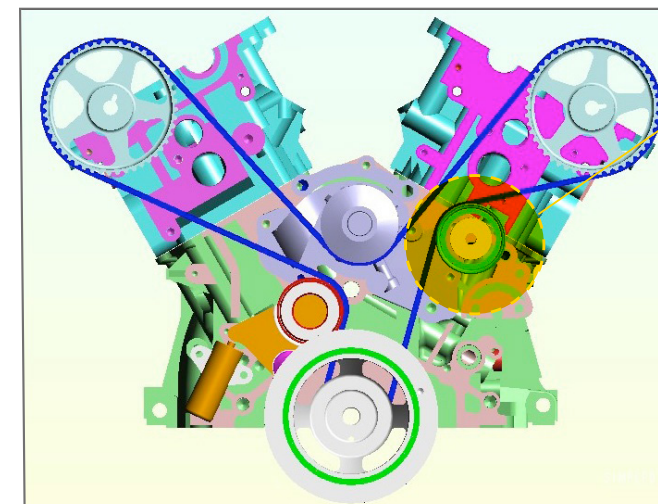
### Function

1. Add & Maintain the initial tension of belt (timing/accessory)
2. Deliver the driving power originated from crankshaft
3. Release the belt tension for replace or any services
4. To protect belt skip(slip)
5. Compact layout of timing belt

### TIMING BELT SYSTEM

## 2. About Idler Bearing

- Idler bearing moves by belt along with it's outer rim where the belt tension is tight and has special characteristics by engine (Not imperative)



### Function

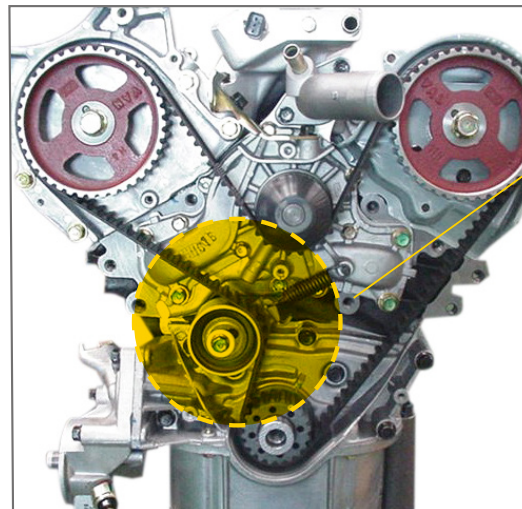
1. Add & Maintain the belt(Timing/Accessory) tension
2. Deliver the belt driving power originated from crank shaft
3. Protect belt skip(slip)
4. Compact layout of timing belt



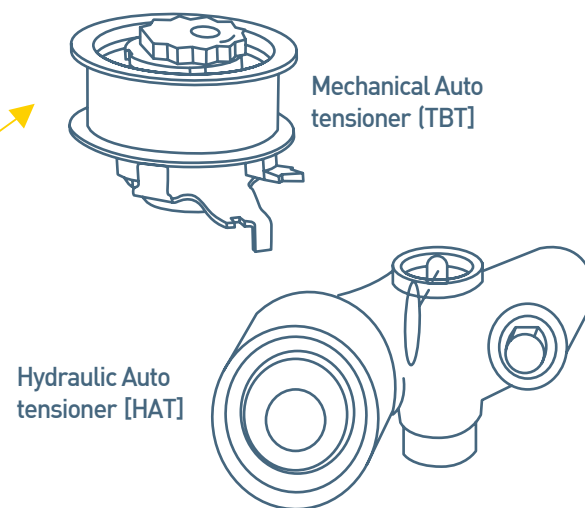
# 01

## What's TIB?

### 3. About Auto tensioner



Timing Belt Drive

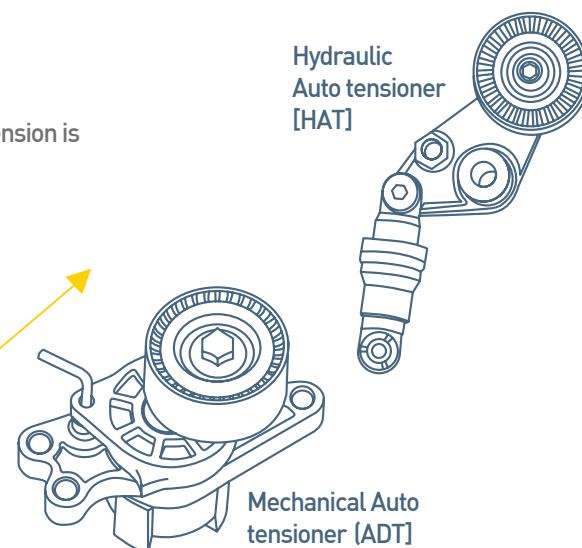
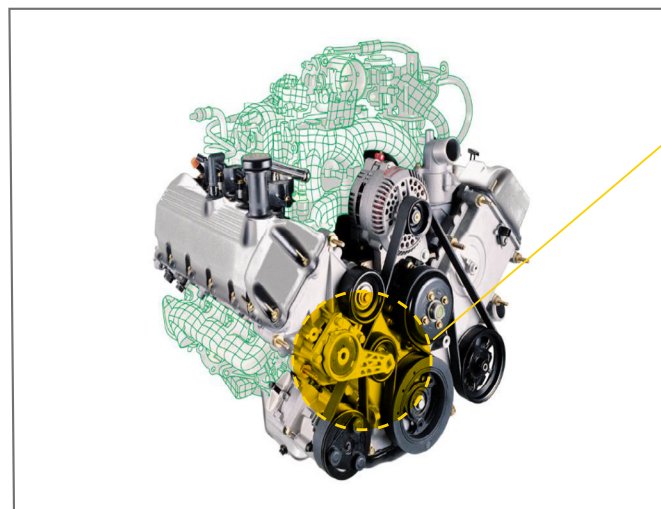


#### Function

- System Function : Maintaining CAM timing
- Tensioner Function : Regulating belt tension
- Minimizing timing error

### 4. Accessory Belt Drive

- Idler bearing moves by belt along with it's outer rim where the belt tension is tight and has special characteristics by engine (Not imperative)



#### Function

- System Function : Effective power transmission
- Tensioner Function : Regulating belt tension
- Minimizing belt slip & noise

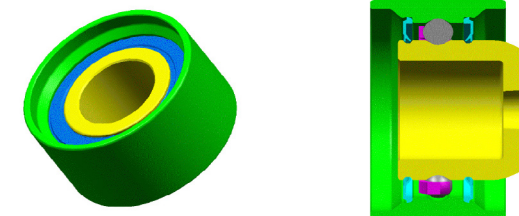
# 02

## TIB Structure & type

### Product types for Tensioner & Idler

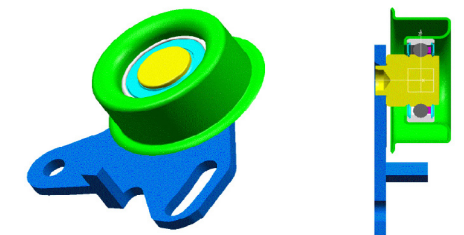
#### Idler

Outer ring & Pulley Integrated  
Inner ring & shaft integrated



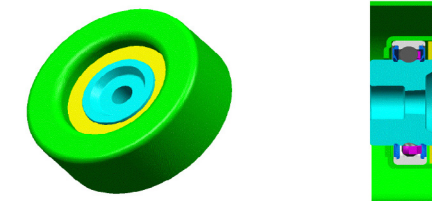
#### Tensioner

Inner ring & shaft integrated  
Steel Pulley with bracket



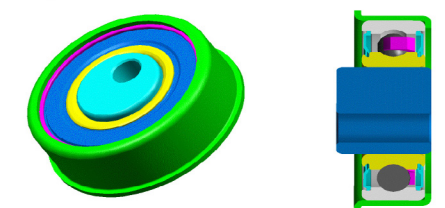
#### Idler

Inner ring & shaft integrated  
Steel Pulley



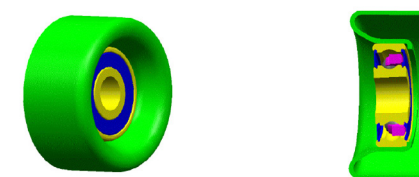
#### Tensioner

Ball bearing type  
Steel Pulley & shaft with eccentric hole

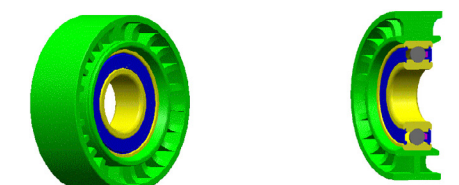


### Idle Pulley Assembly Product types

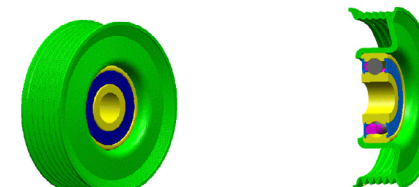
#### Flat Steel Pulley



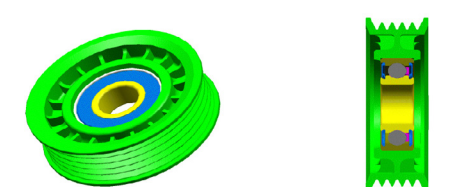
#### Flat Plastic Pulley



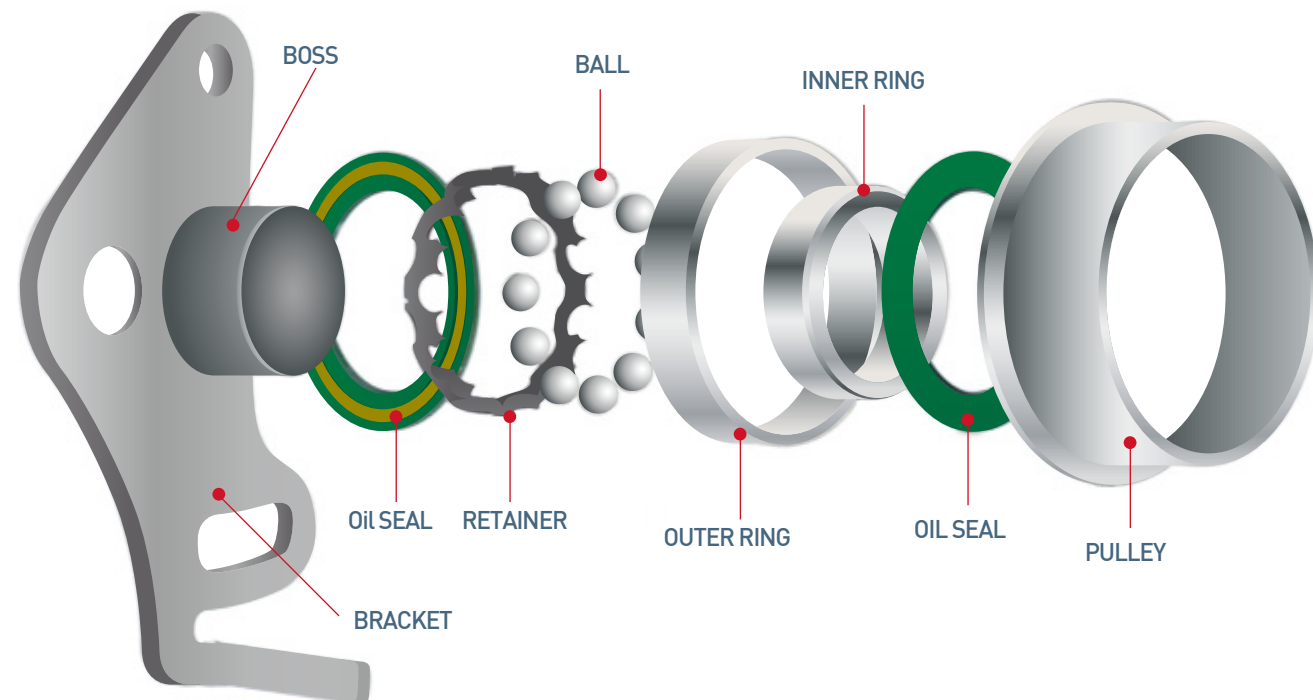
#### Groove Steel Pulley



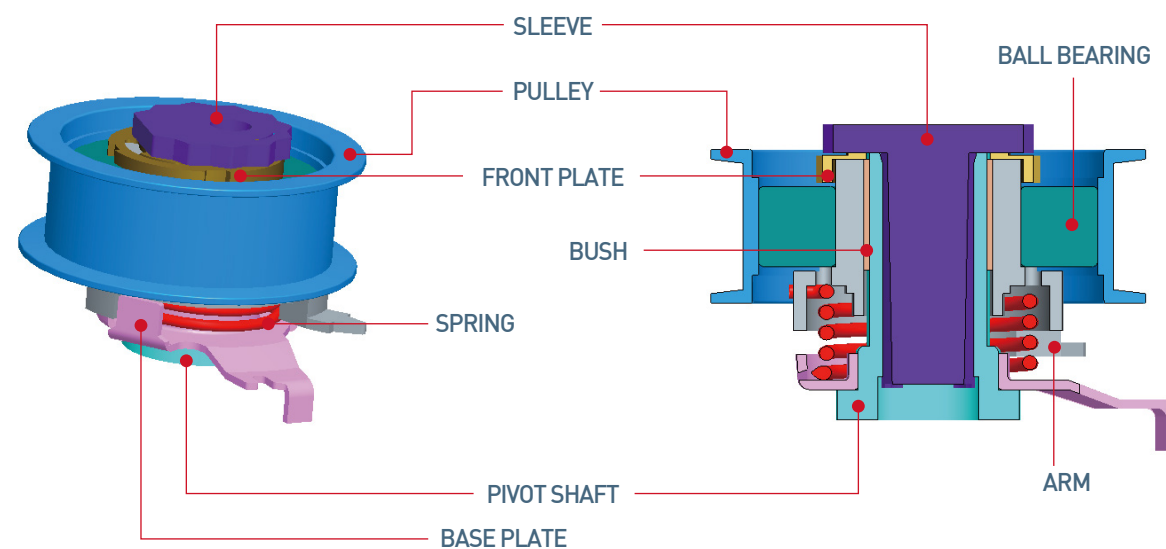
#### Groove Plastic Pulley



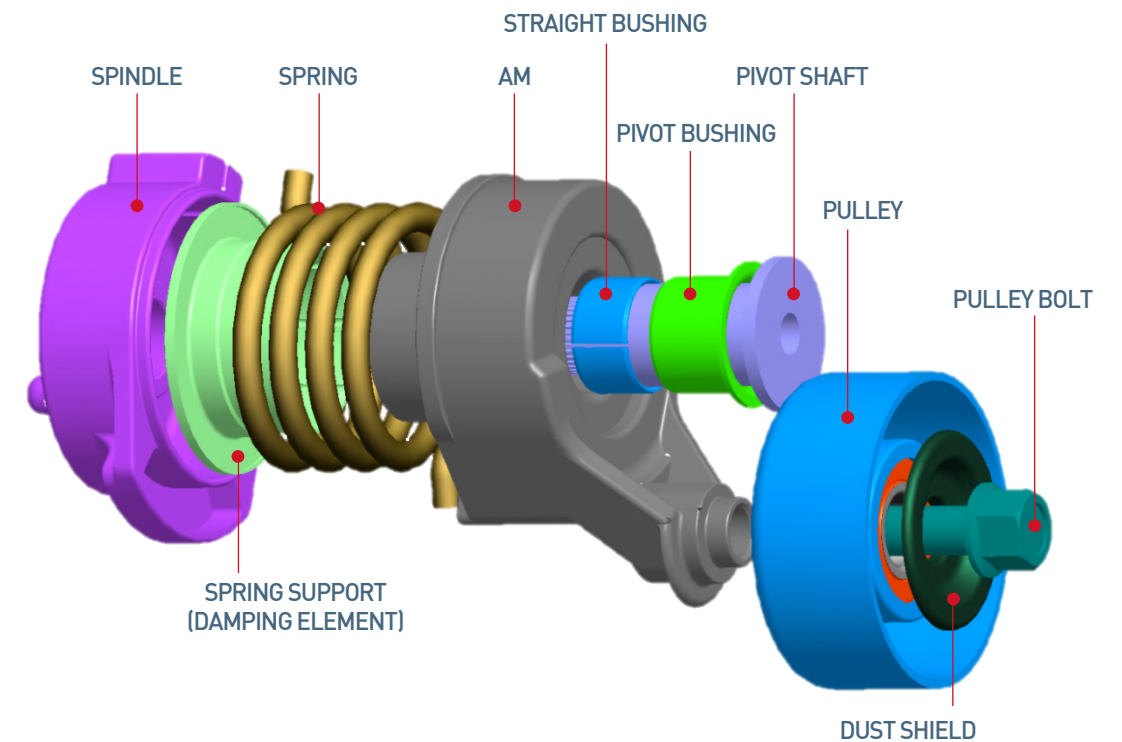
### ○ Tensioner Bearing



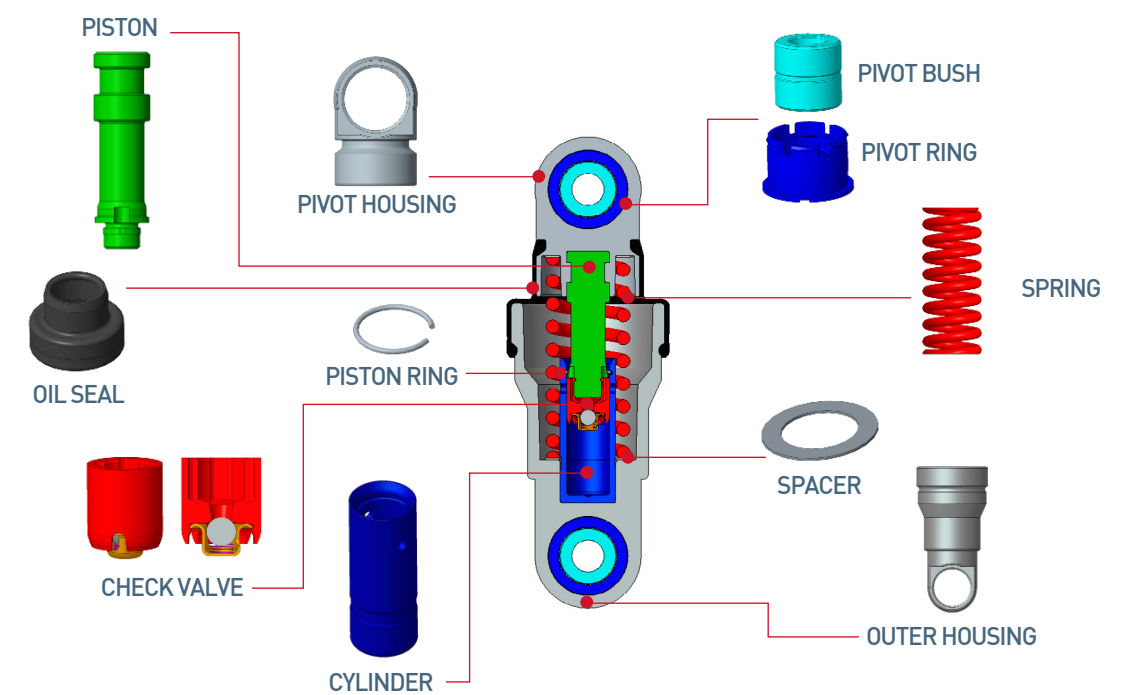
### ○ Timing Belt Drive Auto Tensioner



### ○ Accessory Belt Drive Auto Tensioner



### ○ Hydraulic Piston Assembly



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**PART 1**  
**CATALOG GUIDE**

**GMB**



Manufacturers  
OE Manufacturers

Models  
Various Model & Additional Information

Engine  
Displacement

Model Years  
Peirod for model Lifetime

Model Years  
Peirod for model Lifetime

Tensioner

Idler

Pulley

TBT

HAT

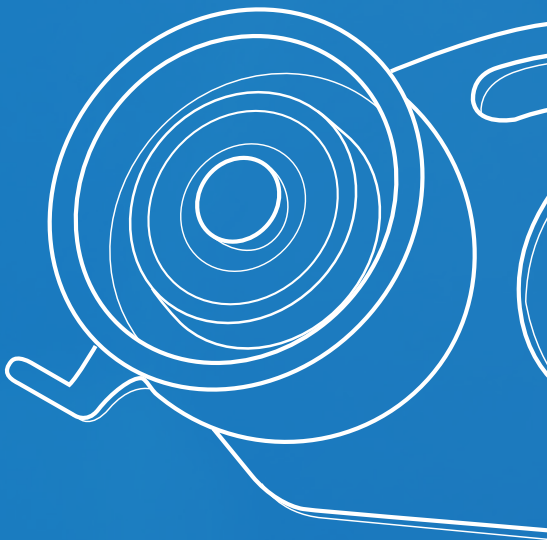
ADT

Application Guide by OE Manufacturers

| OE MAKER   | Vehicle Model                                            | Engine Type                  | Year From ~ To  | Displacement CC |
|------------|----------------------------------------------------------|------------------------------|-----------------|-----------------|
| ALFA ROMEO | 145 [930] - 1.4 i.e. 16V T.S.                            | AR 33503, AR 38501           | 1996.12~2001.01 | 1370            |
|            | 145 [930] - 1.6 16V T.S.                                 | AR 32102                     | 1997.09~2000.12 | 1598            |
|            | 145 [930] - 1.8 i.e. 16V T.S.                            | AR 38401, AR 67106, AR 67199 | 1996.12~1998.12 | 1747            |
|            | 145 [930] - 1.9 JTD                                      | AR 32302                     | 1999.02~2001.01 | 1910            |
|            | 145 [930] - 1.9 TD                                       | AR 33601, AR 67501           | 1994.10~1999.02 | 1929            |
|            | 145 [930] - 2.0 16V Quadrifoglio                         | AR 32301                     | 1998.03~2001.01 | 1970            |
|            | 145 [930] - 2.0 16V T.S.                                 | AR 67204                     | 1995.10~2001.01 | 1970            |
|            | 146 [930] - 1.4 i.e. 16V T.S.                            | AR 33503, AR 38501           | 1996.11~2001.01 | 1370            |
|            | 146 [930] - 1.6 16V T.S.                                 | AR 32102                     | 1997.09~2000.12 | 1598            |
|            | 146 [930] - 1.8 i.e. 16V T.S.                            | AR 32201                     | 1998.03~2001.01 | 1747            |
|            | 146 [930] - 2.0 16V T.S.                                 | AR 67204                     | 1995.10~2001.01 | 1970            |
|            | 147 [937] - 1.6 16V T.SPARK ECO (937AXA1A)               | AR 37203                     | 2001.01~2010.03 | 1598            |
|            | 147 [937] - 1.9 JTD                                      | 182 B9.000                   | 2003.06~2010.03 | 1910            |
|            | 147 [937] - 2.0 16V T.SPARK (937AXC1)                    | AR 32310                     | 2001.01~2010.03 | 1970            |
|            | 147 [937] - 3.2 GTA                                      | 932 A.000                    | 2003.02~2010.03 | 3179            |
|            | 155 [167] - 1.6 16V T.S.                                 | AR 67601                     | 1996.05~1997.12 | 1598            |
|            | 155 [167] - 1.7 T.S.                                     | AR 67103                     | 1993.04~1996.04 | 1748            |
|            | 155 [167] - 1.8 T.S. Sport (167.A4A, 167.A4C, 167.A4E)   | AR 67101, AR 67102           | 1992.01~1996.12 | 1773            |
|            | 155 [167] - 2.0 16V Turbo Q4                             | AR 67203                     | 1992.01~1997.12 | 1995            |
|            | 155 [167] - 2.0 16V Turbo Q4 (167.A2B, 167.A2C, 167.A2E) | AR 67203                     | 1992.01~1997.12 | 1995            |
|            | 155 [167] - 2.0 T.S. 16V (167.A2G)                       | AR 67204, AR 67299           | 1995.03~1997.12 | 1970            |
|            | 156 [932] - 1.6 16V T.SPARK                              | AR 32102                     | 1997.09~2005.09 | 1598            |
|            | 156 [932] - 1.8 16V T.SPARK (932A31)                     | AR 32205                     | 2000.10~2005.09 | 1747            |
|            | 156 [932] - 1.9 JTD                                      | 937 A5.000                   | 2004.07~2005.09 | 1910            |
|            | 156 [932] - 1.9 JTD (932B2)                              | AR 32302                     | 1997.09~2000.10 | 1910            |
|            | 156 [932] - 2.0 16V T.SPARK (932A21)                     | AR 32310                     | 2000.10~2002.03 | 1970            |
|            | 156 [932] - 2.0 JTS (932AXA)                             | 937 A1.000                   | 2002.03~2005.09 | 1970            |
|            | 156 [932] - 2.4 JTD (932A1B)                             | 839 A6.000                   | 2000.10~2005.09 | 2387            |
|            | 156 [932] - 2.4 JTD (932B1)                              | AR 32501                     | 1997.09~2003.09 | 2387            |
|            | 156 [932] - 2.5 V6 24V (932A1)                           | AR 32401                     | 1997.09~2001.12 | 2492            |
|            | 159 [939] - 1.8 MPI                                      | 939 A4.000                   | 2007.03~2011.11 | 1796            |
|            | 159 [939] - 1.8 Tbi                                      | 939 B1.000                   | 2009.05~2011.11 | 1742            |
|            | 159 [939] - 1.9 JTDM 8V                                  | 939 A1.000                   | 2005.09~2011.11 | 1910            |
|            | 159 [939] - 2.4 JTDM                                     | 939 A3.000                   | 2005.09~2011.11 | 2387            |
|            | 159 Sportwagon (939) - 1.8 MPI                           | 939 A4.000                   | 2007.03~2011.11 | 1796            |
|            | 164 [164] - 2.0 T.S. (164.H3)                            | AR 64103                     | 1992.09~1998.09 | 1995            |

GMB  
2017 TENSIONER & IDLER BEARING

| TEN-<br>SIONER 1 | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1 | IDLER 2 | IDLER 3 | PULLEY 1 | PULLEY 2 | PULLEY 3 | TBT 1 | TBT 2   | TBT 3 | HAT 1 | HAT 2 | ADT |
|------------------|------------------|------------------|---------|---------|---------|----------|----------|----------|-------|---------|-------|-------|-------|-----|
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0560 |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0560 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0030  | GTA0380  |          |       | GTB0390 |       |       |       |     |
|                  |                  |                  | GT70740 |         |         |          |          |          |       |         |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0560 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       |         |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0560 |       |       |       |     |
|                  |                  |                  | GT60550 |         |         | GTA0380  |          |          |       | GTB0390 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0270  |          |          |       |         |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0560 |       |       |       |     |
|                  |                  |                  | GT70740 |         |         |          |          |          |       |         |       |       |       |     |
|                  |                  |                  | GT70740 |         |         |          |          |          |       |         |       |       |       |     |
| GT70440          |                  |                  |         |         |         |          |          |          |       |         |       |       |       |     |
| GT70440          |                  |                  |         |         |         |          |          |          |       |         |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0560 |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0030  |          |          |       |         |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0380  |          |          |       | GTB0390 |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0550 |       |       |       |     |
|                  |                  |                  | GT50500 |         |         | GTA0180  |          |          |       | GTB0560 |       |       |       |     |
|                  |                  |                  | GT60550 |         |         |          |          |          |       |         |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0390 |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0270  |          |          |       |         |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0240  |          |          |       |         |       |       |       |     |
|                  |                  |                  |         |         |         |          |          |          |       | GTB0580 |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0970  |          |          |       | GTB0390 |       |       |       |     |
|                  |                  |                  | GT60550 |         |         |          |          |          |       |         |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0240  |          |          |       |         |       |       |       |     |
|                  |                  |                  | GT70740 |         |         |          |          |          |       |         |       |       |       |     |



# PART 2

## Application Guide OE Manufacturers

|              |    |               |     |           |     |
|--------------|----|---------------|-----|-----------|-----|
| ALFA ROMEO   | 18 | HYUNDAI       | 80  | OPEL      | 122 |
| AUDI         | 20 | ISUZU         | 88  | PEUGEOT   | 128 |
| AUTO BIANCHI | 32 | IVECO         | 88  | PLYMOUTH  | 140 |
| BMW          | 32 | JAGUAR        | 90  | PORSCHE   | 140 |
| CADILLAC     | 34 | JEEP          | 90  | RENAULT   | 140 |
| CHERY        | 34 | KIA           | 90  | ROVER     | 150 |
| CHEVROLET    | 34 | LADA          | 96  | SAAB      | 152 |
| CHRYSLER     | 36 | LANCIA        | 96  | SEAT      | 152 |
| CITROEN      | 38 | LDV           | 102 | SKODA     | 160 |
| DACIA        | 54 | LEXUS         | 102 | SSANGYONG | 164 |
| DAEWOO       | 54 | LTi           | 102 | SUBARU    | 164 |
| DAIHATSU     | 56 | MAZDA         | 102 | SUZUKI    | 168 |
| DODGE        | 58 | MEGA          | 108 | TALBOT    | 170 |
| FERRARI      | 58 | MERCEDES BENZ | 108 | TOYOTA    | 170 |
| FIAT         | 58 | MINI          | 110 | VOLVO     | 178 |
| FORD         | 68 | MITSUBISHI    | 110 | VW        | 184 |
| HONDA        | 76 | NISSAN        | 118 |           |     |



Application Guide by OE Manufacturers

| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| ALFA ROMEO    | 145 (930) - 1.4 i.e. 16V T.S.                                                     | AR 33503, AR 38501                                                                | 1996.12~2001.01                                                                     | 1370                                                                                |
|               | 145 (930) - 1.6 16V T.S.                                                          | AR 32102                                                                          | 1997.09~2000.12                                                                     | 1598                                                                                |
|               | 145 (930) - 1.8 i.e. 16V T.S.                                                     | AR 38401, AR 67106, AR 67199                                                      | 1996.12~1998.12                                                                     | 1747                                                                                |
|               | 145 (930) - 1.9 JTD                                                               | AR 32302                                                                          | 1999.02~2001.01                                                                     | 1910                                                                                |
|               | 145 (930) - 1.9 TD                                                                | AR 33601, AR 67501                                                                | 1994.10~1999.02                                                                     | 1929                                                                                |
|               | 145 (930) - 2.0 16V Quadrifoglio                                                  | AR 32301                                                                          | 1998.03~2001.01                                                                     | 1970                                                                                |
|               | 145 (930) - 2.0 16V T.S.                                                          | AR 67204                                                                          | 1995.10~2001.01                                                                     | 1970                                                                                |
|               | 146 (930) - 1.4 i.e. 16V T.S.                                                     | AR 33503, AR 38501                                                                | 1996.11~2001.01                                                                     | 1370                                                                                |
|               | 146 (930) - 1.6 16V T.S.                                                          | AR 32102                                                                          | 1997.09~2000.12                                                                     | 1598                                                                                |
|               | 146 (930) - 1.8 i.e. 16V T.S.                                                     | AR 32201                                                                          | 1998.03~2001.01                                                                     | 1747                                                                                |
|               | 146 (930) - 2.0 16V T.S.                                                          | AR 67204                                                                          | 1995.10~2001.01                                                                     | 1970                                                                                |
|               | 147 (937) - 1.6 16V T.SPARK ECO (937AXA1A)                                        | AR 37203                                                                          | 2001.01~2010.03                                                                     | 1598                                                                                |
|               | 147 (937) - 1.9 JTD                                                               | 182 B9.000                                                                        | 2003.06~2010.03                                                                     | 1910                                                                                |
|               | 147 (937) - 2.0 16V T.SPARK (937AXC1)                                             | AR 32310                                                                          | 2001.01~2010.03                                                                     | 1970                                                                                |
|               | 147 (937) - 3.2 GTA                                                               | 932 A.000                                                                         | 2003.02~2010.03                                                                     | 3179                                                                                |
|               | 155 (167) - 1.6 16V T.S.                                                          | AR 67601                                                                          | 1996.05~1997.12                                                                     | 1598                                                                                |
|               | 155 (167) - 1.7 T.S.                                                              | AR 67103                                                                          | 1993.04~1996.04                                                                     | 1748                                                                                |
|               | 155 (167) - 1.8 T.S. Sport (167.A4A, 167.A4C, 167.A4E)                            | AR 67101, AR 67102                                                                | 1992.01~1996.12                                                                     | 1773                                                                                |
|               | 155 (167) - 2.0 16V Turbo Q4                                                      | AR 67203                                                                          | 1992.01~1997.12                                                                     | 1995                                                                                |
|               | 155 (167) - 2.0 16V Turbo Q4 (167.A2B, 167.A2C, 167.A2E)                          | AR 67203                                                                          | 1992.01~1997.12                                                                     | 1995                                                                                |
|               | 155 (167) - 2.0 T.S. 16V (167.A2G)                                                | AR 67204, AR 67299                                                                | 1995.03~1997.12                                                                     | 1970                                                                                |
|               | 156 (932) - 1.6 16V T.SPARK                                                       | AR 32102                                                                          | 1997.09~2005.09                                                                     | 1598                                                                                |
|               | 156 (932) - 1.8 16V T.SPARK (932A31)                                              | AR 32205                                                                          | 2000.10~2005.09                                                                     | 1747                                                                                |
|               | 156 (932) - 1.9 JTD                                                               | 937 A5.000                                                                        | 2004.07~2005.09                                                                     | 1910                                                                                |
|               | 156 (932) - 1.9 JTD (932B2)                                                       | AR 32302                                                                          | 1997.09~2000.10                                                                     | 1910                                                                                |
|               | 156 (932) - 2.0 16V T.SPARK (932A21)                                              | AR 32310                                                                          | 2000.10~2002.03                                                                     | 1970                                                                                |
|               | 156 (932) - 2.0 JTS (932AXA)                                                      | 937 A1.000                                                                        | 2002.03~2005.09                                                                     | 1970                                                                                |
|               | 156 (932) - 2.4 JTD (932A1B)                                                      | 839 A6.000                                                                        | 2000.10~2005.09                                                                     | 2387                                                                                |
|               | 156 (932) - 2.4 JTD (932B1)                                                       | AR 32501                                                                          | 1997.09~2003.09                                                                     | 2387                                                                                |
|               | 156 (932) - 2.5 V6 24V (932A1)                                                    | AR 32401                                                                          | 1997.09~2001.12                                                                     | 2492                                                                                |
|               | 159 (939) - 1.8 MPI                                                               | 939 A4.000                                                                        | 2007.03~2011.11                                                                     | 1796                                                                                |
|               | 159 (939) - 1.8 Tbi                                                               | 939 B1.000                                                                        | 2009.05~2011.11                                                                     | 1742                                                                                |
|               | 159 (939) - 1.9 JTDM 8V                                                           | 939 A1.000                                                                        | 2005.09~2011.11                                                                     | 1910                                                                                |
|               | 159 (939) - 2.4 JTDM                                                              | 939 A3.000                                                                        | 2005.09~2011.11                                                                     | 2387                                                                                |
|               | 159 Sportwagon (939) - 1.8 MPI                                                    | 939 A4.000                                                                        | 2007.03~2011.11                                                                     | 1796                                                                                |
|               | 164 (164) - 2.0 T.S. (164.H3)                                                     | AR 64103                                                                          | 1992.09~1998.09                                                                     | 1995                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             |          | GTA0380  | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70740                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         | GTA0380                                                                             |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0270                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70740                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70740                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0380                                                                             |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0270                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0240                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0580                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0970                                                                             |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0240                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70740                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



Application Guide by OE Manufacturers

| OE MAKER   |  |  |  |  |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|            | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| ALFA ROMEO | 164 (164) - 2.0 Turbo                                                             | AR 06476                                                                          | 1987.10~1998.09                                                                     | 1995                                                                                |
|            | 166 (936) - 2.0 T.Spark (936A3B)                                                  | AR 36301                                                                          | 2000.10~2007.06                                                                     | 1970                                                                                |
|            | 166 (936) - 2.0 V6 (936A3)                                                        | AR 34102                                                                          | 1998.09~2000.10                                                                     | 1996                                                                                |
|            | 166 (936) - 2.4 JTD                                                               | 841 M.000                                                                         | 2006.07~2007.06                                                                     | 2387                                                                                |
|            | 166 (936) - 2.4 JTD (936A2B)                                                      | 839 A6.000                                                                        | 2000.10~2007.06                                                                     | 2387                                                                                |
|            | 166 (936) - 3.0 V6 24V (936A11)                                                   | AR 36101                                                                          | 2000.10~2007.06                                                                     | 2959                                                                                |
|            | 4C (960) - 1.8 Tbi                                                                | 960 A1.000                                                                        | 2013.03~                                                                            | 1742                                                                                |
|            | AR6Box(280)-2.4D                                                                  | 8144.61.200                                                                       | 1985.04~1986.02                                                                     | 2445                                                                                |
|            | AR8Box(280)-2.4TD                                                                 | 8140.21.200 D.I.                                                                  | 1985.04~1989.12                                                                     | 2445                                                                                |
|            | AR 8 Platform/Chassis (280) - 2.4 TD                                              | 8140.21.200 D.I.                                                                  | 1985.04~1988.12                                                                     | 2445                                                                                |
|            | AR 8 Platform/Chassis (280) - 2.5 D                                               | 8144.67.220                                                                       | 1986.09~1989.12                                                                     | 2499                                                                                |
|            | BRERA - 2.0 JTDM                                                                  | 844 A2.000                                                                        | 2008.03~                                                                            | 1956                                                                                |
|            | BRERA - 2.4 JTDM 20V                                                              | 939 A3.000                                                                        | 2006.01~                                                                            | 2387                                                                                |
|            | BRERA (939) - 1.8 Tbi                                                             | 939 B1.000                                                                        | 2009.05~2010.06                                                                     | 1742                                                                                |
|            | GIULIETTA (940) - 1.4 TB                                                          | 940 B1.000, 940 B8.000                                                            | 2011.04~                                                                            | 1368                                                                                |
|            | GIULIETTA (940) - 1.6 JTDM                                                        | 940 A3.000                                                                        | 2010.04~                                                                            | 1598                                                                                |
|            | GIULIETTA (940) - 1.8 Tbi                                                         | 940 A1.000                                                                        | 2010.04~2013.09                                                                     | 1742                                                                                |
|            | GT (937) - 1.8 TS                                                                 | AR 32205                                                                          | 2003.11~2010.09                                                                     | 1747                                                                                |
|            | GT (937) - 1.9 JTD                                                                | 937 A5.000                                                                        | 2003.11~2010.09                                                                     | 1910                                                                                |
|            | GT (937) - 2.0 JTS                                                                | 932 A2.000                                                                        | 2006.12~2010.09                                                                     | 1970                                                                                |
|            | GTV (916) - 1.8 16V (916C3)                                                       | AR 32201                                                                          | 1998.05~2005.10                                                                     | 1747                                                                                |
|            | GTV (916) - 2.0 JTS                                                               | 937 A1.000                                                                        | 2003.04~2005.10                                                                     | 1970                                                                                |
|            | GTV (916C) - 1.8 16V (916C3)                                                      | AR 32201                                                                          | 1998.05~2005.10                                                                     | 1747                                                                                |
|            | GTV (916C) - 2.0 T.SPARK 16V (916.C2, 916C2C00)                                   | AR 16201, AR 32310                                                                | 1995.06~2005.10                                                                     | 1970                                                                                |
|            | GTV (916C) - 3.0 V6 24V (916.C1)                                                  | AR 16102                                                                          | 1996.10~2000.10                                                                     | 2959                                                                                |
|            | MITO (955) - 1.4                                                                  | 955 A9.000                                                                        | 2011.05~                                                                            | 1368                                                                                |
|            | MITO (955) - 1.6 JTDM                                                             | 955 A4.000                                                                        | 2008.09~                                                                            | 1598                                                                                |
|            | SPIDER (916) - 1.8 16V (916S3)                                                    | AR 32201                                                                          | 1998.05~2005.04                                                                     | 1747                                                                                |
|            | SPIDER (916) - 2.0 JTS                                                            | 937 A1.000                                                                        | 2003.04~2005.04                                                                     | 1970                                                                                |
|            | SPIDER (916) - 2.0 T.SPARK 16V (916S2C00)                                         | AR 16201, AR 32310                                                                | 1995.06~2005.04                                                                     | 1970                                                                                |
|            | SPIDER (916S) - 1.8 16V (916S3)                                                   | AR 32201                                                                          | 1998.05~2005.04                                                                     | 1747                                                                                |
|            | SPIDER (916S) - 2.0 T.SPARK 16V (916S2C00)                                        | AR 16201, AR 32310                                                                | 1995.06~2005.04                                                                     | 1970                                                                                |
|            | SPIDER (939) - 1.8 Tbi                                                            | 939 B1.000                                                                        | 2009.05~2010.06                                                                     | 1742                                                                                |
|            | SPIDER (939) - 2.4 JTDM                                                           | 939 A3.000                                                                        | 2007.04~                                                                            | 2387                                                                                |
| AUDI       | 100 (43, C2) - 2.0 D                                                              | CN                                                                                | 1978.08~1982.07                                                                     | 1986                                                                                |
|            | 100 (44, 44Q, C3) - 1.9 (44-E-000 001)                                            | WH                                                                                | 1982.08~1984.07                                                                     | 1921                                                                                |
|            | 100 (44, 44Q, C3) - 2.0                                                           | SL                                                                                | 1986.08~1987.11                                                                     | 1994                                                                                |



2017 TENSIONER & IDLER BEARING

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT70430                                                                             | GT70450      | GT70460      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0270                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0270                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0580                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0580                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0580                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             | GTA0180  |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             | GTA0380  |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0270                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             | GTB0480 |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0580                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |

[illegible]

|          |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| AUDI     | 90 [81, 85, B2] - 2.0                                                             | HP, JS                                                                            | 1984.10~1987.03                                                                     | 1994                                                                                |
|          | 90 [81, 85, B2] - 2.2 [89-J-394 746]                                              | KV                                                                                | 1984.10~1987.03                                                                     | 2226                                                                                |
|          | 90 [81, 85, B2] - 2.2 E quattro                                                   | JT                                                                                | 1985.08~1987.03                                                                     | 2226                                                                                |
|          | 90 [81, 85, B2] - 2.2 E quattro [89-J-394 742]                                    | KV                                                                                | 1984.11~1987.03                                                                     | 2226                                                                                |
|          | 90 [89, 89Q, 8A, B3] - 2.0 [89-J-394 742]                                         | PS                                                                                | 1988.07~1991.09                                                                     | 1994                                                                                |
|          | 90 [89, 89Q, 8A, B3] - 2.0 20 V quattro                                           | NM                                                                                | 1988.08~1991.09                                                                     | 1994                                                                                |
|          | 90 [89, 89Q, 8A, B3] - 2.2 E [89-J-394 746]                                       | KV                                                                                | 1987.04~1991.07                                                                     | 2226                                                                                |
|          | 90 [89, 89Q, 8A, B3] - 2.2 E quattro [89-J-394 742]                               | KV                                                                                | 1987.04~1991.09                                                                     | 2226                                                                                |
|          | 90 [89, 89Q, 8A, B3] - 2.3 E [89-J-396 702]                                       | NG                                                                                | 1987.04~1991.09                                                                     | 2309                                                                                |
|          | 90 [89, 89Q, 8A, B3] - 2.3 E 20V quattro                                          | 7A                                                                                | 1988.06~1991.09                                                                     | 2309                                                                                |
|          | 90 [89, 89Q, 8A, B3] - 2.3 E quattro [89-J-394 742]                               | NG                                                                                | 1987.04~1991.07                                                                     | 2309                                                                                |
|          | A1 [8X1, 8XF] - 1.4 TFSI                                                          | CAXA, CNVA                                                                        | 2010.05~                                                                            | 1390                                                                                |
|          | A1 [8X1, 8XF]- 1.6 TDI                                                            | CAYB                                                                              | 2011.03~                                                                            | 1598                                                                                |
|          | A1 [8X1, 8XF]- 2.0 TDI                                                            | CFHD                                                                              | 2011.09~                                                                            | 1968                                                                                |
|          | A1 [8X1, 8XF] - 2.0 TFSI quattro                                                  | CDLH                                                                              | 2012.03~                                                                            | 1984                                                                                |
|          | A1 [8X1, 8XK] - 1.0 TFSI                                                          | CHZB                                                                              | 2015.03~                                                                            | 999                                                                                 |
|          | A1 [8X1, 8XK] - 1.4 TFSI                                                          | CZCA, CZDB                                                                        | 2014.11~                                                                            | 1395                                                                                |
|          | A1 [8X1, 8XK] - 2.0 TFSI quattro                                                  | CDLH                                                                              | 2012.03~                                                                            | 1984                                                                                |
|          | A2 [8Z0] - 1.2 TDI                                                                | ANY                                                                               | 2001.03~2005.08                                                                     | 1191                                                                                |
|          | A2 [8Z0] - 1.4                                                                    | AUA, BBY                                                                          | 2000.02~2005.08                                                                     | 1390                                                                                |
|          | A2 [8Z0] - 1.4 TDI                                                                | AMF, BHC                                                                          | 2000.02~2005.08                                                                     | 1422                                                                                |
|          | A2 [8Z0] - 1.6 FSI                                                                | BAD                                                                               | 2002.05~2005.08                                                                     | 1598                                                                                |
|          | A3 [8L1] - 1.6                                                                    | AEH, AKL, APF                                                                     | 1996.09~2003.05                                                                     | 1595                                                                                |
|          | A3 [8L1] - 1.8                                                                    | AGN, APG                                                                          | 1996.09~2003.05                                                                     | 1781                                                                                |
|          | A3 [8L1] - 1.8 T                                                                  | AGU, AQU, ARZ, AUM                                                                | 1996.12~2003.05                                                                     | 1781                                                                                |
|          | A3 [8L1] - 1.9 TDI                                                                | AGR, ALH                                                                          | 1996.09~2001.07                                                                     | 1896                                                                                |
|          | A3 [8L1] - 1.9 TDI                                                                | ASZ                                                                               | 2000.08~2003.05                                                                     | 1896                                                                                |
|          | A3 [8L1] - 1.9 TDI                                                                | ATD, AXR                                                                          | 2000.10~2003.05                                                                     | 1896                                                                                |
|          | A3 [8L1] - S3 quattro                                                             | AMK, APY                                                                          | 1999.03~2002.04                                                                     | 1781                                                                                |
|          | A3 [8P1] - 1.4 TFSI                                                               | CAXC, CMSA                                                                        | 2007.09~2012.08                                                                     | 1390                                                                                |
|          | A3 [8P1] - 1.6 FSI                                                                | BAG, BLF, BLP                                                                     | 2003.08~2007.09                                                                     | 1598                                                                                |
|          | A3 [8P1] - 1.6 TDI                                                                | CAYB                                                                              | 2009.05~2012.08                                                                     | 1598                                                                                |
|          | A3 [8P1] - 2.0 FSI                                                                | AXW, BLR, BLX, BLY, BMB, BVY, BVZ                                                 | 2003.05~2008.06                                                                     | 1984                                                                                |
|          | A3 [8P1] - 2.0 TDI                                                                | ATD, AXR                                                                          | 2003.05~2012.08                                                                     | 1968                                                                                |
|          | A3 [8P1] - 2.0 TDI                                                                | AZV, CBAA, CFFA                                                                   | 2003.05~2012.08                                                                     | 1968                                                                                |
|          | A3 [8P1] - 2.0 TDI 16V                                                            | BKD, CBAB, CFFB, CLJA                                                             | 2003.05~2012.08                                                                     | 1968                                                                                |
|          | A3 [8P1] - 2.0 TFSI quattro                                                       | AXX, BWA, CCZA                                                                    | 2004.09~2012.08                                                                     | 1984                                                                                |

[illegible]



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|          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| AUDI     | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
|          | A3 (8P1) - S3 quattro                                                             | BZC, CDLC                                                                         | 2007.02~2012.08                                                                     | 1984                                                                                |
|          | A3 (8V1) - 1.6 TDI                                                                | CLHA                                                                              | 2012.10~                                                                            | 1598                                                                                |
|          | A3 (8V1) - 2.0 TDI                                                                | CRFA                                                                              | 2013.01~                                                                            | 1968                                                                                |
|          | A3 (8V1, 8VK) - 1.2 TFSI                                                          | CJZA                                                                              | 2013.02~                                                                            | 1197                                                                                |
|          | A3 (8V1, 8VK) - 1.4 TFSI                                                          | CMBA, CXSA                                                                        | 2012.04~                                                                            | 1395                                                                                |
|          | A3 Convertible (8P7) - 1.6 TDI                                                    | CAYC                                                                              | 2009.05~2013.05                                                                     | 1598                                                                                |
|          | A3 Convertible (8P7) - 2.0 TDI                                                    | CBAB, CFFB                                                                        | 2008.04~2013.05                                                                     | 1968                                                                                |
|          | A3 Limousine (8VS, 8VM) - 1.2 TFSI                                                | CJZA                                                                              | 2013.10~                                                                            | 1197                                                                                |
|          | A3 Limousine (8VS, 8VM) - 1.4 TFSI                                                | CMBA, CXSA                                                                        | 2013.09~                                                                            | 1395                                                                                |
|          | A3 Sportback (8PA) - 1.6 TDI                                                      | CAYB                                                                              | 2009.05~2013.03                                                                     | 1598                                                                                |
|          | A3 Sportback (8PA) - 2.0 FSI                                                      | AXW, BLR, BLX, BLY, BMB, BVY, BVZ                                                 | 2004.09~2008.06                                                                     | 1984                                                                                |
|          | A3 Sportback (8PA) - 2.0 TDI 16V                                                  | BKD, CBAB, CFFB, CLJA                                                             | 2004.09~2013.03                                                                     | 1968                                                                                |
|          | A3 Sportback (8VA) - 1.6 TDI                                                      | CLHA                                                                              | 2012.10~                                                                            | 1598                                                                                |
|          | A3 Sportback (8VA) - 2.0 TDI                                                      | CRBD, CRLC                                                                        | 2013.05~                                                                            | 1968                                                                                |
|          | A4 (8D2, B5) - 1.6                                                                | ADP, AHL, ANA, ARM                                                                | 1994.11~2000.10                                                                     | 1595                                                                                |
|          | A4 (8D2, B5) - 1.8                                                                | ADR, APT, ARG, AVV                                                                | 1995.01~2000.11                                                                     | 1781                                                                                |
|          | A4 (8D2, B5) - 1.8 quattro                                                        | ADR, APT, ARG                                                                     | 1995.01~2000.11                                                                     | 1781                                                                                |
|          | A4 (8D2, B5) - 1.8 T                                                              | AEB, ANB, APU, ARK, AWT                                                           | 1995.01~2000.11                                                                     | 1781                                                                                |
|          | A4 (8D2, B5) - 1.9 TDI                                                            | AFF                                                                               | 1995.12~2000.11                                                                     | 1896                                                                                |
|          | A4 (8D2, B5) - 1.9 TDI                                                            | AJM                                                                               | 2000.03~2000.11                                                                     | 1896                                                                                |
|          | A4 (8D2, B5) - 1.9 TDI quattro                                                    | AFN, AVG                                                                          | 1996.09~2000.11                                                                     | 1896                                                                                |
|          | A4 (8D2, B5) - 2.4                                                                | AJG, AMM, APZ                                                                     | 1997.08~2000.11                                                                     | 2393                                                                                |
|          | A4 (8D2, B5) - 2.5 TDI                                                            | AFB, AKN                                                                          | 1997.09~2000.11                                                                     | 2496                                                                                |
|          | A4 (8D2, B5) - 2.5 TDI quattro                                                    | AFB, AKN                                                                          | 1997.09~2000.11                                                                     | 2496                                                                                |
|          | A4 (8D2, B5) - 2.8                                                                | ACK, AHA, ALG, AMX, APR, AQD                                                      | 1996.10~2000.11                                                                     | 2771                                                                                |
|          | A4 (8D2, B5) - S4 quattro                                                         | AGB, AZB                                                                          | 1997.09~2001.09                                                                     | 2671                                                                                |
|          | A4 (8E2, B6) - 2.0 FSI                                                            | AWA                                                                               | 2002.07~2004.12                                                                     | 1984                                                                                |
|          | A4 (8EC, B7) - 2.0 TFSI                                                           | BPJ, BYK                                                                          | 2006.10~2008.06                                                                     | 1984                                                                                |
|          | A4 (8K2, B8) - 2.0 TDI                                                            | CAGB, CJCB, CSUB                                                                  | 2007.11~                                                                            | 1968                                                                                |
|          | A4 (8K2, B8) - 2.0 TDI                                                            | CAGC, CJCC                                                                        | 2008.06~                                                                            | 1968                                                                                |
|          | A4 (8W2, B9) - 1.4 TFSI                                                           | CVNA                                                                              | 2015.08~                                                                            | 1395                                                                                |
|          | A4 Avant (8D5, B5) - 1.6                                                          | ALZ                                                                               | 2000.07~2001.09                                                                     | 1595                                                                                |
|          | A4 Avant (8D5, B5) - 1.8                                                          | ADR, APT, ARG, AVV                                                                | 1996.02~2001.09                                                                     | 1781                                                                                |
|          | A4 Avant (8D5, B5) - 1.8 T                                                        | AEB, ANB, APU, ARK, AWT                                                           | 1996.03~2001.09                                                                     | 1781                                                                                |
|          | A4 Avant (8D5, B5) - 1.8 T quattro                                                | AEB, ANB, APU, ARK, AWT                                                           | 1996.01~2001.09                                                                     | 1781                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0600                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30570                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             | GT60660      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60660                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |              |              | GT60330                                                                             |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |              |              | GT90850                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90850                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30570                                                                             | GT50630 | GT60510 |                                                                                     |          |          | GTB0610                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT60350 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0350                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0350                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90860                                                                             |              |              |                                                                                     | GT60510 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| AUDI     | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
|          | A4 Avant (8D5, B5) - 1.9 DUO                                                      | AHU                                                                               | 1998.03~2001.09                                                                     | 1896                                                                                |
|          | A4 Avant (8D5, B5) - 1.9 TDI                                                      | AFF                                                                               | 1996.03~2001.09                                                                     | 1896                                                                                |
|          | A4 Avant (8D5, B5) - 2.5 TDI                                                      | AFB, AKN                                                                          | 1997.09~2001.09                                                                     | 2496                                                                                |
|          | A4 Avant (8D5, B5) - RS4 quattro                                                  | ASJ, AZR                                                                          | 2000.05~2001.09                                                                     | 2671                                                                                |
|          | A4 Avant (8E5, B6) - 1.9 TDI quattro                                              | AVF                                                                               | 2001.11~2004.12                                                                     | 1896                                                                                |
|          | A4 Avant (8E5, B6) - 2.0 FSI                                                      | AWA                                                                               | 2002.07~2004.12                                                                     | 1984                                                                                |
|          | A4 Avant (8ED, B7) - 2.0 TDI                                                      | BRD                                                                               | 2006.06~2008.06                                                                     | 1968                                                                                |
|          | A4 Avant (8K5, B8) - 2.0 TDI                                                      | CAGB, CJCB, CSUB                                                                  | 2008.04~                                                                            | 1968                                                                                |
|          | A4 Avant (8K5, B8) - 2.0 TDI                                                      | CAGC, CJCC                                                                        | 2008.06~                                                                            | 1968                                                                                |
|          | A4 Avant (8K5, B8) - 2.0 TDI                                                      | CJCD, CMFB, CSUA                                                                  | 2013.05~                                                                            | 1968                                                                                |
|          | A4 Convertible (8H7, B6, 8HE, B7) - 2.0 TFSI 16V                                  | BWE, BWT                                                                          | 2006.01~2009.03                                                                     | 1984                                                                                |
|          | A4 Convertible (8H7, B6, 8HE, B7) - 2.5 TDI                                       | BCZ, BDG, BFC                                                                     | 2002.08~2005.12                                                                     | 2496                                                                                |
|          | A4 Convertible (8H7, B6, 8HE, B7) - 2.7 TDI                                       | BPP                                                                               | 2006.06~2009.03                                                                     | 2698                                                                                |
|          | A4 Convertible (8H7, B6, 8HE, B7) - 3.0 TDI quattro                               | BKN                                                                               | 2006.01~2009.03                                                                     | 2967                                                                                |
|          | A5 (8T3) - 2.0 TDI                                                                | CAHA                                                                              | 2008.08~                                                                            | 1968                                                                                |
|          | A5 (8T3) - 2.0 TDI                                                                | CGLC                                                                              | 2011.10~                                                                            | 1968                                                                                |
|          | A5 (8T3) - 2.0 TDI quattro                                                        | CAHA                                                                              | 2008.08~                                                                            | 1968                                                                                |
|          | A5 (8T3) - 2.7 TDI                                                                | CAMB, CGKB                                                                        | 2007.09~                                                                            | 2698                                                                                |
|          | A5 (8T3) - 3.0 TDI                                                                | CLAB                                                                              | 2011.10~                                                                            | 2967                                                                                |
|          | A5 Convertible (8F7) - 2.0 TDI                                                    | CJCA                                                                              | 2011.10~                                                                            | 1968                                                                                |
|          | A5 Sportback (8TA) - 2.0 TDI                                                      | CAGA, CJCA, CMEA, CMFA                                                            | 2009.09~                                                                            | 1968                                                                                |
|          | A6 (4A, C4) - 1.8                                                                 | ADR                                                                               | 1995.12~1997.10                                                                     | 1781                                                                                |
|          | A6 (4A, C4) - 1.9 TDI                                                             | 1Z, AHU                                                                           | 1994.06~1997.10                                                                     | 1896                                                                                |
|          | A6 (4A, C4) - 2.5 TDI                                                             | AAT                                                                               | 1995.01~1997.10                                                                     | 2461                                                                                |
|          | A6 (4A, C4) - 2.8                                                                 | ACK                                                                               | 1995.12~1997.10                                                                     | 2771                                                                                |
|          | A6 (4B, C5) - 1.9 TDI                                                             | AFN, AVG                                                                          | 1997.04~2000.10                                                                     | 1896                                                                                |
|          | A6 (4B2, C5) - 1.8                                                                | AJP, ANQ, AQE, ARH                                                                | 1997.07~2005.01                                                                     | 1781                                                                                |
|          | A6 (4B2, C5) - 1.8 T quattro                                                      | AEB, ANB, APU, ARK, AWT                                                           | 1997.02~2005.01                                                                     | 1781                                                                                |
|          | A6 (4B2, C5) - 1.9 TDI                                                            | AFN, AVG                                                                          | 1997.04~2000.10                                                                     | 1896                                                                                |
|          | A6 (4B2, C5) - 1.9 TDI                                                            | AJM                                                                               | 2000.07~2005.01                                                                     | 1896                                                                                |
|          | A6 (4B2, C5) - 1.9 TDI                                                            | AVF, AWX                                                                          | 2001.08~2005.01                                                                     | 1896                                                                                |
|          | A6 (4B2, C5) - 2.0                                                                | ALT                                                                               | 2001.08~2005.01                                                                     | 1984                                                                                |
|          | A6 (4B2, C5) - 2.4                                                                | BDV                                                                               | 2001.08~2005.01                                                                     | 2393                                                                                |
|          | A6 (4B2, C5) - 2.5 TDI                                                            | AFB, AKN                                                                          | 1997.07~2005.01                                                                     | 2496                                                                                |
|          | A6 (4B2, C5) - 2.5 TDI quattro                                                    | AFB, AKN                                                                          | 1997.07~2005.01                                                                     | 2496                                                                                |
|          | A6 (4B2, C5) - 3.7                                                                | AQG                                                                               | 1999.03~2005.01                                                                     | 3697                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT60150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0610                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT50920 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             | GT60660      |              |                                                                                     |         |         | GTA0350                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0430                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60650                                                                             |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90860                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-150                                                                            |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90850                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60390                                                                             | GT60395      | GT60400      | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

## Application Guide by OE Manufacturers

| OE MAKER | Vehicle Model                       | Engine Type             | Year From ~ To  | Displacement CC |
|----------|-------------------------------------|-------------------------|-----------------|-----------------|
|          |                                     |                         |                 |                 |
| AUDI     | A6 (4B2, C5) - 3.7 quattro          | AQG                     | 1999.03~2005.01 | 3697            |
|          | A6 (4B2, C5) - 4.2 quattro          | ARS, ASG                | 1998.11~2005.01 | 4172            |
|          | A6 (4B2, C5) - RS6 quattro          | BCY                     | 2002.07~2005.01 | 4172            |
|          | A6 (4B2, C5) - S6 quattro           | ANK, AQJ                | 1999.09~2005.01 | 4172            |
|          | A6 (4F2, C6) - 2.0 TDI              | BNA, BRF, CAGB          | 2004.07~2011.03 | 1968            |
|          | A6 (4F2, C6) - 2.0 TFSI             | BPJ, BYK                | 2005.06~2011.03 | 1984            |
|          | A6 (4F2, C6) - 2.7 TDI              | BSG, CANB               | 2004.11~2011.03 | 2698            |
|          | A6 (4F2, C6) - 3.0 TDI quattro      | BNG, CDYB               | 2004.05~2011.03 | 2967            |
|          | A6 (4G2, C7, 4GC) - 2.0 TDI         | CGLD                    | 2011.03~        | 1968            |
|          | A6 Avant (4A, C4) - 1.9 TDI         | 1Z, AHU                 | 1994.06~1997.12 | 1896            |
|          | A6 Avant (4B, C5) - 1.9 TDI         | AFN                     | 1998.02~2001.04 | 1896            |
|          | A6 Avant (4B5, C5) - 1.9 TDI        | AFN                     | 1998.02~2001.04 | 1896            |
|          | A6 Avant (4B5, C5) - 4.2 quattro    | ARS, ASG, AWN           | 1998.11~2005.01 | 4172            |
|          | A6 Avant (4G5, C7, 4GD) - 2.0 TDI   | CGLD                    | 2011.05~        | 1968            |
|          | A7 Sportback (4GA, 4GF) - 3.0 TDI   | CLAB                    | 2010.11~        | 2967            |
|          | A8 (4D2, 4D8) - 2.5 TDI             | AFB, AKN                | 1997.01~2000.04 | 2496            |
|          | A8 (4D2, 4D8) - 2.8                 | ACK, ALG, AMX, APR, AQD | 1996.04~2002.09 | 2771            |
|          | A8 (4D2, 4D8) - 3.7                 | AKC, AQG                | 1998.11~2002.09 | 3697            |
|          | A8 (4D2, 4D8) - 4.2 quattro         | ARU                     | 1999.02~2000.04 | 4172            |
|          | A8 (4D2, 4D8) - S 8 quattro         | AQH, AVP                | 1999.06~2002.09 | 4172            |
|          | A8 (4E) - 3.0 TDI quattro           | BNG                     | 2003.11~2010.07 | 2967            |
|          | A8 (4E) - 3.7 quattro               | BFL                     | 2002.10~2006.05 | 3697            |
|          | A8 (4E) - 4.0 TDI quattro           | ASE                     | 2003.05~2005.07 | 3936            |
|          | A8 (4E) - 4.2 quattro               | BFM                     | 2002.10~2010.07 | 4172            |
|          | ALLROAD (4BH, C5) - 2.5 TDI quattro | BCZ                     | 2003.05~2005.08 | 2496            |
|          | ALLROAD (4BH, C5) - 2.7 T quattro   | ARE, BES                | 2000.05~2005.08 | 2671            |
|          | CABRIOLET (8G7, B4) - 1.8           | ADR                     | 1997.01~2000.08 | 1781            |
|          | CABRIOLET (8G7, B4) - 1.9 TDI       | 1Z, AHU                 | 1995.06~2000.08 | 1896            |
|          | COUPE (81, 85) - 1.9                | WN                      | 1980.08~1983.07 | 1921            |
|          | COUPE (81, 85) - 2.0                | JS, SK                  | 1983.09~1986.07 | 1994            |
|          | COUPE (81, 85) - 2.1 GT             | KE, WE                  | 1982.09~1987.10 | 2144            |
|          | COUPE (81, 85) - 2.2 GT             | HY, KV, KX              | 1984.09~1988.10 | 2226            |
|          | COUPE (81, 85) - 2.2 quattro        | JT, KV                  | 1985.08~1988.10 | 2226            |
|          | COUPE (81, 85) - 2.3                | NG                      | 1987.01~1988.10 | 2309            |
|          | COUPE (81, 85) - 2.3 quattro        | NG                      | 1987.01~1988.10 | 2309            |
|          | COUPE (89, 8B) - 1.8                | DZ                      | 1989.08~1991.07 | 1781            |
|          | COUPE (89, 8B) - 2.0                | 3A                      | 1990.03~1990.07 | 1984            |

|  |              |              |  |         |         |  |          |          |  |       |       |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GT60390                                                                             | GT60395      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60400                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60390                                                                             | GT60395      | GT60400      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60390                                                                             | GT60395      | GT60400      | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT50920 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60390                                                                             | GT60395      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          | GTB0700                                                                             |       |       |                                                                                     |                                                                                     |
| GT90750                                                                             |              |              | GT90850                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60390                                                                             | GT60395      | GT60400      | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60390                                                                             | GT60395      | GT60400      | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60390                                                                             | GT60395      | GT60400      | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60390                                                                             | GT60395      |              | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          | GTB0700                                                                             |       |       |                                                                                     |                                                                                     |
| GT90750                                                                             |              |              | GT90850                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60660                                                                             | GT90860      |              |                                                                                     |         |         | GTA0350                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |

Application Guide by OE Manufacturers

|              |  |  |  |  |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER     | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| AUDI         | COUPE (89, 8B) - 2.0 20 V                                                         | NM                                                                                | 1989.08~1991.07                                                                     | 1994                                                                                |
|              | COUPE (89, 8B) - 2.0 20 V quattro                                                 | NM                                                                                | 1989.08~1991.07                                                                     | 1994                                                                                |
|              | COUPE (89, 8B) - 2.3 20V                                                          | 7A                                                                                | 1990.08~1991.07                                                                     | 2309                                                                                |
|              | COUPE (89, 8B) - 2.3 20V quattro                                                  | 7A                                                                                | 1988.11~1991.07                                                                     | 2309                                                                                |
|              | COUPE (89, 8B) - S2 quattro                                                       | 3B                                                                                | 1990.09~1992.09                                                                     | 2226                                                                                |
|              | Q3 (8U) - 1.4 TFSI                                                                | CHPB, CZDA, CZEА                                                                  | 2013.10~                                                                            | 1395                                                                                |
|              | Q3 (8U) - 2.0 TDI                                                                 | CUVD                                                                              | 2015.03~                                                                            | 1968                                                                                |
|              | Q5 (8R) - 2.0 TDI                                                                 | CJCA                                                                              | 2010.11~                                                                            | 1968                                                                                |
|              | Q5 (8R) - 2.0 TDI                                                                 | CJCB, CSUB                                                                        | 2010.11~                                                                            | 1968                                                                                |
|              | Q5 (8R) - 3.0 TDI quattro                                                         | CCWA, CPNB                                                                        | 2008.11~                                                                            | 2967                                                                                |
|              | Q5 (8R) - SQ5 TDI quattro                                                         | CGQB                                                                              | 2012.12~                                                                            | 2967                                                                                |
|              | Q7 (4L) - 3.0 TDI                                                                 | BUN, CASB                                                                         | 2006.03~2010.05                                                                     | 2967                                                                                |
|              | QUATTRO (85) - 2.1 20V Turbo                                                      | KW                                                                                | 1984.05~1987.07                                                                     | 2144                                                                                |
|              | QUATTRO (85) - 2.1 Turbo (85-J-900 643)                                           | GV, WR                                                                            | 1980.07~1987.07                                                                     | 2144                                                                                |
|              | QUATTRO (85) - 2.2 20V Turbo                                                      | RR                                                                                | 1989.08~1991.07                                                                     | 2226                                                                                |
|              | QUATTRO (85) - 2.2 Turbo (85-J-900 643)                                           | MB                                                                                | 1987.08~1989.07                                                                     | 2226                                                                                |
|              | TT (8J3) - 2.0 TDI quattro                                                        | CBBB, CFGB                                                                        | 2008.06~2014.06                                                                     | 1968                                                                                |
|              | TT (8J3) - 2.0 TFSI                                                               | BPY, BWA, CCTA                                                                    | 2006.08~2010.06                                                                     | 1984                                                                                |
|              | TT (8J3) - 2.0 TTS quattro                                                        | CDLA, CDMA                                                                        | 2008.05~2014.06                                                                     | 1984                                                                                |
|              | TT (8N3) - 1.8 T                                                                  | AJQ, APP, ATC, AUQ                                                                | 1998.10~2006.06                                                                     | 1781                                                                                |
|              | TT (8N3) - 1.8 T quattro                                                          | AJQ, ARY, AUQ                                                                     | 1998.10~2006.06                                                                     | 1781                                                                                |
|              | TT (8N3) - 3.2 VR6 quattro                                                        | BHE                                                                               | 2003.07~2006.06                                                                     | 3189                                                                                |
|              | TT Roadster (8J9) - 2.0 TDI quattro                                               | CBBB, CFGB                                                                        | 2008.06~2014.06                                                                     | 1968                                                                                |
|              | TT Roadster (8J9) - 2.0 TFSI                                                      | BPY, BWA, CCTA                                                                    | 2007.03~2010.06                                                                     | 1984                                                                                |
|              | TT Roadster (8N9) - 1.8 T                                                         | AJQ, APP, ATC, AUQ                                                                | 1999.10~2006.06                                                                     | 1781                                                                                |
|              | TT Roadster (8N9) - 1.8 T quattro                                                 | APX, BAM                                                                          | 1999.10~2006.06                                                                     | 1781                                                                                |
|              | TT Roadster (8N9) - 3.2 VR6 quattro                                               | BHE                                                                               | 2003.07~2006.06                                                                     | 3189                                                                                |
| AUTO BIANCHI | Y10 - 1.0                                                                         | 156A2.000                                                                         | 1985.03~1995.10                                                                     | 999                                                                                 |
|              | Y10 - 1.1                                                                         | 156C.000                                                                          | 1989.06~1995.10                                                                     | 1108                                                                                |
|              | Y10 - 1.3 i.e. GT                                                                 | 146A5.046                                                                         | 1989.06~1995.10                                                                     | 1297                                                                                |
| BMW          | 3 (E21) - 320/6                                                                   | M20 B20(206VA)                                                                    | 1977.09~1982.08                                                                     | 1990                                                                                |
|              | 3 (E30) - 323 i                                                                   | M20 B23(236EC)                                                                    | 1982.09~1983.08                                                                     | 2316                                                                                |
|              | 3 (E30) - 325 i                                                                   | M20 B25(256E1),<br>M20 B25(256E2),<br>M20 B25(256EX),<br>M20 B25(256K1)           | 1986.12~1991.06                                                                     | 2494                                                                                |
|              | 5 (E12) - 520/6                                                                   | M20 B20(206VA)                                                                    | 1977.09~1981.05                                                                     | 1990                                                                                |
|              | 5 (E28) - 520 i                                                                   | M20 B20(206EA)                                                                    | 1981.06~1987.12                                                                     | 1990                                                                                |



2017 TENSIONER & IDLER BEARING

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90860                                                                             |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90860                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT60350 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90860                                                                             |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT60350 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0600                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60650                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90860                                                                             |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60650                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90870                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90870                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90870                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90870                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90870                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



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|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER  | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| BMW       | 5 (E28) - 525 e                                                                   | M20 B27(276EB),<br>M20 B27(276KA),<br>M20 B27(276KB)                              | 1981.09~1987.12                                                                     | 2693                                                                                |
|           | Z1 - 2.5                                                                          | M20 B25(256K1)                                                                    | 1988.06~1991.06                                                                     | 2494                                                                                |
| CADILLAC  | BLS - 1.9 D                                                                       | Z19DTH                                                                            | 2006.04~                                                                            | 1910                                                                                |
|           | BLS Wagon - 1.9 D                                                                 | Z19DTH                                                                            | 2007.12~                                                                            | 1910                                                                                |
| CHERY     | TIGGO - 2.0                                                                       | 4G63S4M                                                                           | 2005.03~2008.12                                                                     | 1997                                                                                |
|           | TIGGO - 2.4 All-wheel Drive                                                       | 4G64S4M                                                                           | 2005.11~2008.12                                                                     | 2350                                                                                |
| CHEVROLET | AVEO Hatchback (T250, T255) - 1.4                                                 | A14 XER, F14D4, LDT                                                               | 2008.04~                                                                            | 1399                                                                                |
|           | AVEO Saloon (T250, T255) - 1.2                                                    | F12S3, LQ5                                                                        | 2006.03~2007.12                                                                     | 1150                                                                                |
|           | AVEO Saloon (T250, T255) - 1.4                                                    | F14D3, L14                                                                        | 2006.03~2007.12                                                                     | 1399                                                                                |
|           | AVEO Saloon (T250, T255) - 1.4                                                    | F14D4                                                                             | 2008.09~                                                                            | 1399                                                                                |
|           | AVEO Saloon (T250, T255) - 1.5                                                    | F15S3, LX6                                                                        | 2005.05~                                                                            | 1498                                                                                |
|           | CAPTIVA (C100, C140) - 2.0 D 4WD                                                  | Z 20 S                                                                            | 2006.10~                                                                            | 1991                                                                                |
|           | CAPTIVA (C100, C140) - 2.4                                                        | Z 24 SED                                                                          | 2006.06~                                                                            | 2405                                                                                |
|           | CRUZE (J300) - 2.0 CDI                                                            | Z 20 S1                                                                           | 2009.05~                                                                            | 1991                                                                                |
|           | EPICA (KL1) - 2.0                                                                 | C 20 SED                                                                          | 2005.01~2006.12                                                                     | 1998                                                                                |
|           | EPICA (KL1) - 2.0 D                                                               | Z 20 S                                                                            | 2007.01~                                                                            | 1991                                                                                |
|           | EVANDA - 2.0                                                                      | X 20 SED                                                                          | 2005.03~                                                                            | 1998                                                                                |
|           | KALOS - 1.2                                                                       | B12S1                                                                             | 2005.03~                                                                            | 1150                                                                                |
|           | KALOS - 1.4                                                                       | F14S3                                                                             | 2005.03~                                                                            | 1399                                                                                |
|           | KALOS - 1.4 16V                                                                   | F14D3                                                                             | 2005.03~                                                                            | 1399                                                                                |
|           | LACETTI (J200) - 1.4 16V                                                          | F14D3                                                                             | 2005.03~                                                                            | 1399                                                                                |
|           | LACETTI (J200) - 1.6                                                              | F16D3                                                                             | 2005.03~                                                                            | 1598                                                                                |
|           | LACETTI (J200) - 1.8                                                              | F18D3                                                                             | 2005.08~                                                                            | 1796                                                                                |
|           | LACETTI (J200) - 1.8                                                              | T18SED                                                                            | 2005.03~                                                                            | 1799                                                                                |
|           | LACETTI (J200) - 2.0 D                                                            | Z 20 DM                                                                           | 2007.01~                                                                            | 1991                                                                                |
|           | MATIZ (M200, M250) - 0.8                                                          | F8CV                                                                              | 2005.03~                                                                            | 796                                                                                 |
|           | MATIZ (M200, M250) - 1.0                                                          | B10S                                                                              | 2005.03~                                                                            | 995                                                                                 |
|           | NUBIRA Estate - 2.0 D                                                             | Z 20 DM, Z 20 S                                                                   | 2007.01~                                                                            | 1991                                                                                |
|           | NUBIRA Saloon - 1.6                                                               | F16D3                                                                             | 2005.03~                                                                            | 1598                                                                                |
|           | NUBIRA Saloon - 1.8                                                               | T18SED                                                                            | 2005.03~                                                                            | 1799                                                                                |
|           | NUBIRA Saloon - 2.0 D                                                             | Z 20 S                                                                            | 2005.01~                                                                            | 1991                                                                                |
|           | REZZO - 1.6                                                                       | A16DMS                                                                            | 2005.03~                                                                            | 1598                                                                                |
|           | REZZO - 2.0                                                                       | T20SED                                                                            | 2005.03~                                                                            | 1998                                                                                |
|           | SPARK - 0.8                                                                       | F8CV                                                                              | 2005.05~                                                                            | 796                                                                                 |
|           | SPARK - 1.0 SX                                                                    | B10S, LA2                                                                         | 2005.05~                                                                            | 995                                                                                 |
|           | VIVANT - 1.6                                                                      | A16DMS                                                                            | 2005.01~                                                                            | 1598                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT90870                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90870                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60060                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60060                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTC0020                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0930    GTC0020                                                                  |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90540                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0930    GTC0020                                                                  |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0930    GTC0020                                                                  |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0090    GTA0560                                                                  |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0020                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30540                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0030                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTC0020                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30540                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0030                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| CHEVROLET     | VIVANT - 2.0 CX                                                                   | T20SED                                                                            | 2005.01~                                                                            | 1998                                                                                |
|               | ZAFIRA (F75) - 2.0                                                                | C 20 SEL                                                                          | 2001.04~                                                                            | 1998                                                                                |
| CHRYSLER      | 300 C (LX) - 3.5                                                                  | 3.5CSP                                                                            | 2004.09~2012.11                                                                     | 3518                                                                                |
|               | 300 C (LX) - 5.7                                                                  | EZB, EZD, EZH                                                                     | 2004.09~2008.12                                                                     | 5654                                                                                |
|               | 300 C (LX) - 6.1 SRT8                                                             | ESF                                                                               | 2005.06~2012.11                                                                     | 6059                                                                                |
|               | 300 C Touring (LX) - 3.5                                                          | 3.5CSP, EEG                                                                       | 2004.09~2010.12                                                                     | 3518                                                                                |
|               | 300 C Touring (LX) - 5.7                                                          | EZB, EZD, EZH                                                                     | 2004.09~2010.12                                                                     | 5654                                                                                |
|               | 300 C Touring (LX) - 6.1 SRT8                                                     | ESF                                                                               | 2005.06~2010.12                                                                     | 6059                                                                                |
|               | CIRRUS - 2.5 LX                                                                   | EEB                                                                               | 1994.10~2000.09                                                                     | 2497                                                                                |
|               | CONCORDE - 3.3 LX                                                                 | EGB                                                                               | 1992.10~1997.09                                                                     | 3301                                                                                |
|               | CROSSFIRE - 3.2                                                                   | EGX                                                                               | 2003.07~2007.12                                                                     | 3199                                                                                |
|               | CROSSFIRE - SRT-6                                                                 | EGZ                                                                               | 2004.09~2007.12                                                                     | 3199                                                                                |
|               | CROSSFIRE Roadster - 3.2                                                          | EGX                                                                               | 2004.05~2007.12                                                                     | 3199                                                                                |
|               | CROSSFIRE Roadster - SRT-6                                                        | EGZ                                                                               | 2004.09~2006.12                                                                     | 3199                                                                                |
|               | DAYTONA Coupe - 2.5 i Turbo                                                       | EDT                                                                               | 1989.01~1992.10                                                                     | 2501                                                                                |
|               | GRAND VOYAGER V (RT) - 3.3                                                        | EGV                                                                               | 2008.01~                                                                            | 3301                                                                                |
|               | GRAND VOYAGER V (RT) - 3.8                                                        | EGL                                                                               | 2007.10~                                                                            | 3778                                                                                |
|               | LE BARON Saloon - 2.5 i                                                           | EDM                                                                               | 1986.09~1994.12                                                                     | 2501                                                                                |
|               | LE BARON Saloon - 3.0 i V6                                                        | EFA                                                                               | 1990.01~1994.12                                                                     | 2972                                                                                |
|               | NEON (PL) - 2.0 16V                                                               | 420H                                                                              | 1994.05~1999.08                                                                     | 1996                                                                                |
|               | NEON II - 2.0 16V                                                                 | 420H, ECB                                                                         | 1999.08~2006.12                                                                     | 1996                                                                                |
|               | PT CRUISER (PT) - 2.0                                                             | ECC                                                                               | 2000.06~2010.12                                                                     | 1996                                                                                |
|               | PT CRUISER (PT) - 2.4                                                             | EDZ                                                                               | 2000.06~2010.12                                                                     | 2429                                                                                |
|               | PT CRUISER (PT) - GT 2.4                                                          | EDV                                                                               | 2003.08~2010.12                                                                     | 2429                                                                                |
|               | SARATOGA - 3.0                                                                    | 6G72                                                                              | 1989.09~1995.12                                                                     | 2972                                                                                |
|               | SEBRING (JR) - 2.0                                                                | ECC                                                                               | 2001.04~2007.06                                                                     | 1996                                                                                |
|               | SEBRING (JR) - 2.4                                                                | EDZ                                                                               | 2001.04~2007.06                                                                     | 2429                                                                                |
|               | SEBRING (JS) - 2.0 CRD                                                            | ECD                                                                               | 2007.07~2010.12                                                                     | 1968                                                                                |
|               | SEBRING Convertible (JR) - 2.0                                                    | ECC                                                                               | 2001.04~2007.06                                                                     | 1996                                                                                |
|               | SEBRING Convertible (JR) - 2.4                                                    | EDZ                                                                               | 2001.04~2006.07                                                                     | 2429                                                                                |
|               | SEBRING Convertible (JS) - 2.0 CRD                                                | ECD                                                                               | 2007.07~2010.12                                                                     | 1968                                                                                |
|               | STRATUS (JA) - 2.0 16V                                                            | ECB                                                                               | 1995.12~2001.04                                                                     | 1996                                                                                |
|               | STRATUS (JA) - 2.4 16 V                                                           | EDZ                                                                               | 1995.12~2001.04                                                                     | 2429                                                                                |
|               | STRATUS (JA) - 2.5 LX V6                                                          | EEB, H00                                                                          | 1995.12~2001.04                                                                     | 2497                                                                                |
|               | STRATUS Convertible (JX) - 2.5 LX                                                 | 625H                                                                              | 1996.04~2001.04                                                                     | 2499                                                                                |
|               | VISION - 3.5 Tsi                                                                  | EGE, F00, F01                                                                     | 1993.09~1997.12                                                                     | 3518                                                                                |
|               | VOYAGER I (AS) - 3.0                                                              | EFA                                                                               | 1987.10~1990.09                                                                     | 2972                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0090                                                                             |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90880                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90880                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10100                                                                             |              |              | GT10110                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0450                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          | GTA0230  |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0230                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0230                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          | GTA0230  |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80830                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80830                                                                             |              |              | GT90710                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60600                                                                             |              |              | GT90010                                                                             |         |         | GT90880                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60600                                                                             |              |              | GT90010                                                                             |         |         | GT90880                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60600                                                                             |              |              | GT90010                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT90530                                                                             |          |          | GTB0370                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT90530                                                                             |          |          | GTB0370                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60600                                                                             |              |              | GT90010                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT90530                                                                             |          |          | GTB0370                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT40930                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60600                                                                             |              |              | GT90010                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTB0370                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT40930                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90880                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT90530                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10100                                                                             |              |              | GT10110                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90880                                                                             |              |              |                                                                                     |         |         | GTA0450                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

Application Guide by OE Manufacturers

| OE MAKER     |  |  |  |  |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| CHR<br>YSLER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement<br>CC                                                                  |
|              | VOYAGER I (AS) - 3.3                                                              | EGA                                                                               | 1989.10~1990.09                                                                     | 3301                                                                                |
|              | VOYAGER II (ES) - 2.5 i                                                           | K00                                                                               | 1991.01~1995.09                                                                     | 2501                                                                                |
|              | VOYAGER II (ES) - 3.0                                                             | EFA                                                                               | 1990.10~1995.09                                                                     | 2972                                                                                |
|              | VOYAGER II (ES) - 3.3 i                                                           | EGA                                                                               | 1990.08~1995.09                                                                     | 3301                                                                                |
|              | VOYAGER III (GS) - 2.0 i                                                          | C00                                                                               | 1995.01~2001.03                                                                     | 1995                                                                                |
|              | VOYAGER III (GS) - 2.4 i                                                          | B00                                                                               | 1995.01~2001.03                                                                     | 2429                                                                                |
|              | VOYAGER III (GS) - 3.0                                                            | EFA                                                                               | 1995.01~2001.03                                                                     | 2972                                                                                |
|              | VOYAGER III (GS) - 3.3 i                                                          | R00                                                                               | 1995.01~2001.03                                                                     | 3301                                                                                |
|              | VOYAGER III (GS) - 3.8 i AWD                                                      | L00                                                                               | 1995.01~2001.03                                                                     | 3778                                                                                |
|              | VOYAGER IV (RG, RS) - 2.4                                                         | EDZ                                                                               | 2000.02~2008.12                                                                     | 2429                                                                                |
|              | VOYAGER IV (RG, RS) - 2.5 CRD                                                     | EDK                                                                               | 2005.08~2008.12                                                                     | 2499                                                                                |
|              | VOYAGER IV (RG, RS) - 2.8 CRD                                                     | ENR                                                                               | 2004.06~2008.12                                                                     | 2776                                                                                |
|              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| CITROEN      | AX (ZA-) - 1.3 Sport                                                              | M4A                                                                               | 1987.04~1988.12                                                                     | 1294                                                                                |
|              | AX (ZA-) - 1.3 Sport                                                              | TU2                                                                               | 1987.04~1988.12                                                                     | 1294                                                                                |
|              | AX (ZA-) - 1.4 Allure (TQ : 101) Cast Iron                                        | TU3                                                                               | 1992.08~1994.04                                                                     | 1360                                                                                |
|              | AX (ZA-) - 1.4 Gti (TQ : 101)                                                     | TU3                                                                               | 1991.08~1996.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 1.4 Gti (TQ : 108)                                                     | TU3                                                                               | 1991.08~1992.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 10                                                                     | TU9M                                                                              | 1986.07~1998.12                                                                     | 954                                                                                 |
|              | AX (ZA-) - 10 E                                                                   | C3A                                                                               | 1986.12~1988.12                                                                     | 954                                                                                 |
|              | AX (ZA-) - 10 E                                                                   | TU9M                                                                              | 1986.12~1988.12                                                                     | 954                                                                                 |
|              | AX (ZA-) - 11                                                                     | H1A, H1B                                                                          | 1986.12~1994.04                                                                     | 1124                                                                                |
|              | AX (ZA-) - 11                                                                     | TU1                                                                               | 1986.09~1997.12                                                                     | 1124                                                                                |
|              | AX (ZA-) - 11 4x4                                                                 | TU1M                                                                              | 1991.06~1992.07                                                                     | 1124                                                                                |
|              | AX (ZA-) - 11 CAT                                                                 | TU1CP                                                                             | 1988.09~1989.12                                                                     | 1124                                                                                |
|              | AX (ZA-) - 14                                                                     | KAY(TU3CP)                                                                        | 1986.12~1988.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 14 (TQ : 101)                                                          | TU3                                                                               | 1987.04~1997.04                                                                     | 1360                                                                                |
|              | AX (ZA-) - 14 (TQ : 101) Cast Iron                                                | TU3                                                                               | 1986.12~1988.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 14 (TQ : 108)                                                          | TU3                                                                               | 1986.12~1988.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 14 4x4 (TQ : 101)                                                      | TU3                                                                               | 1991.08~1996.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 14 4x4 (TQ : 108)                                                      | TU3                                                                               | 1991.08~1992.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 14 D                                                                   | K9Y(TUD3Y)                                                                        | 1991.08~1997.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 14 GT (TQ : 101)                                                       | TU3                                                                               | 1989.01~1991.12                                                                     | 1360                                                                                |
|              | AX (ZA-) - 15 D                                                                   | VJY(TUD5)                                                                         | 1994.08~1997.12                                                                     | 1527                                                                                |
|              | BERLINGO (B9) - 1.6 HDi 75                                                        | 9HT(DV6BTED4)                                                                     | 2008.04~                                                                            | 1560                                                                                |
|              | BERLINGO (MF) - 1.1 i (MFHDZ, MFHFX)                                              | HDZ(TU1M), HFX(TU1JP)                                                             | 1996.07~                                                                            | 1124                                                                                |
|              | BERLINGO (MF) - 1.1 i (MFHDZ, MFHFX)                                              | TU1M+                                                                             | 1996.07~                                                                            | 1124                                                                                |
|              | BERLINGO (MF) - 1.1 i (MFHDZ, MFHFX) MOT:3762433                                  | TU1JP                                                                             | 1996.07~                                                                            | 1124                                                                                |



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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GTA0450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80830                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90880                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90530                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90530GTB0370                                                                      |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0220GTB0650                                                                      |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0220GTB0650                                                                      |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260GT80260GT80260                                                               |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
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| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT                                                                                  |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER        | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| CITROEN         | BERLINGO (MF) - 1.4 bivalent                                                      | KFW(TU3JP)                                                                        | 2002.11~                                                                            | 1360                                                                                |
|                 | BERLINGO (MF) - 1.4 i (MFKFX, MFKFW)                                              | KFW(TU3JP), KFX(TU3JP)                                                            | 1996.07~                                                                            | 1360                                                                                |
|                 | BERLINGO (MF) - 1.4 i (MFKFX, MFKFW) MOT:3666765                                  | TU3JP                                                                             | 1996.07~                                                                            | 1360                                                                                |
|                 | BERLINGO (MF) - 1.6 16V (MFNFU)                                                   | NFU(TU5JP4)                                                                       | 2000.10~                                                                            | 1587                                                                                |
|                 | BERLINGO (MF) - 1.6 HDI 75 (MF9HW)                                                | 9HW(DV6BTED4), DV6B                                                               | 2005.07~                                                                            | 1560                                                                                |
|                 | BERLINGO (MF) - 1.6 HDI 90 (MF9HX)                                                | 9HX(DV6ATED4)                                                                     | 2005.07~                                                                            | 1560                                                                                |
|                 | BERLINGO (MF) - 1.8 D (MFA9A)                                                     | A9A(XUD7)                                                                         | 1998.07~                                                                            | 1769                                                                                |
|                 | BERLINGO (MF) - 1.8 i (MFLFX)                                                     | XU7JB                                                                             | 1997.05~                                                                            | 1761                                                                                |
|                 | BERLINGO (MF) - 1.8 i 4WD (MFLFX)                                                 | XU7JB                                                                             | 1997.04~                                                                            | 1761                                                                                |
|                 | BERLINGO (MF) - 1.9 D (MFDJY)                                                     | D9B(XUD9A, L), DJY(XUD9A)                                                         | 1996.07~                                                                            | 1905                                                                                |
|                 | BERLINGO (MF) - 1.9 D (MFWJZ)                                                     | WJY(DW8B), WJZ(DW8)                                                               | 1998.07~2005.10                                                                     | 1868                                                                                |
|                 | BERLINGO (MF) - 2.0 HDI 90 (MFRHY)                                                | RHY(DW10TD)                                                                       | 1999.12~                                                                            | 1997                                                                                |
|                 | BERLINGO Box (M) - 1.1 i (MAHDZ, MBHDZ, MBHFX)                                    | TU1M+                                                                             | 1996.07~                                                                            | 1124                                                                                |
|                 | BERLINGO Box (M) - 1.1 i (MAHDZ, MBHDZ, MBHFX) MOT:3762433                        | TU1JP                                                                             | 1996.07~                                                                            | 1124                                                                                |
|                 | BERLINGO Box (M) - 1.4 i (MBKFX, MBKFW) MOT:3666765                               | TU3JP                                                                             | 1996.07~                                                                            | 1360                                                                                |
|                 | BERLINGO Box (M) - 1.6 16V (MBNFU)                                                | NFU(TU5JP4)                                                                       | 2000.10~                                                                            | 1587                                                                                |
|                 | BERLINGO Box (M) - 1.6 HDI 75 (MB9HW)                                             | 9HW(DV6BTED4), DV6B                                                               | 2005.07~                                                                            | 1560                                                                                |
|                 | BERLINGO Box (M) - 1.8 D (MBA9A, MCA9A)                                           | A9A(XUD7)                                                                         | 1996.07~                                                                            | 1769                                                                                |
|                 | BERLINGO Box (M) - 1.8 i                                                          | XU7JB                                                                             | 1999.08~2002.10                                                                     | 1761                                                                                |
|                 | BERLINGO Box (M) - 1.9 D 70 (MBWJZ, MCWJZ)                                        | WJY(DW8B), WJZ(DW8)                                                               | 1999.04~                                                                            | 1868                                                                                |
|                 | BERLINGO Box (M) - 2.0 HDI 90 (MBRHY, MCRHY)                                      | RHY(DW10TD)                                                                       | 1999.12~                                                                            | 1997                                                                                |
|                 | BERLINGO Platform/Chassis (B9) - 1.6 HDi 90                                       | 9HX(DV6ATED4)                                                                     | 2008.04~                                                                            | 1560                                                                                |
|                 | BX (XB) - 1.8 D                                                                   | XUD7                                                                              | 1985.10~1993.09                                                                     | 1769                                                                                |
|                 | BX (XB-) - 1.8 D                                                                  | 161(XUD7)                                                                         | 1985.10~1993.09                                                                     | 1769                                                                                |
|                 | BX (XB-) - 11                                                                     | TU1M                                                                              | 1988.10~1992.06                                                                     | 1124                                                                                |
|                 | BX (XB-) - 14 E (TQ:101)                                                          | TU3                                                                               | 1982.10~1988.06                                                                     | 1360                                                                                |
|                 | BX (XB-) - 14 E (TQ:101) Cast Iron                                                | TU3                                                                               | 1982.10~1988.06                                                                     | 1360                                                                                |
|                 | BX (XB-) - 14 E (TQ:108)                                                          | TU3                                                                               | 1982.10~1988.06                                                                     | 1360                                                                                |
|                 | BX (XB-) - 15                                                                     | B1E(XU51C)                                                                        | 1987.10~1992.05                                                                     | 1580                                                                                |
|                 | BX (XB-) - 16                                                                     | B1E(XU51C)                                                                        | 1987.01~1993.02                                                                     | 1580                                                                                |
|                 | BX (XB-) - 16                                                                     | XU5                                                                               | 1992.01~1993.02                                                                     | 1580                                                                                |
|                 | BX (XB-) - 16 E                                                                   | XU5                                                                               | 1992.01~1993.02                                                                     | 1580                                                                                |
|                 | BX (XB-) - 19                                                                     | D2C(XU92C)                                                                        | 1986.09~1989.11                                                                     | 1905                                                                                |
| BX (XB) - 19 D  | XUD9, XUD9Y                                                                       | 1983.09~1993.09                                                                   | 1905                                                                                |                                                                                     |
| BX (XB-) - 19 D | 162(XUD9), D9A(XUD9), DJZ(XUD9Y)                                                  | 1983.09~1993.09                                                                   | 1905                                                                                |                                                                                     |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GTB0110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0360                                                                             |              |              |                                                                                     |         |         | GTB0120                                                                             |          | GTB0240  |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30500                                                                             |              |              |                                                                                     |         |         | GTA0140                                                                             |          | GTB0200  |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0540                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              | GT50570      |                                                                                     | GT50590 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              | GT50570      |                                                                                     | GT50590 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |              | GT60080      |                                                                                     | GT30610 |         |                                                                                     |          | GTA0010  |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |              | GT60080      |                                                                                     | GT30610 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0200                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |              |              |                                                                                     | GT30610 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     | GT30610 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0200                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560 GT60130                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



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|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER           | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| CITROEN            | BX (XB-) - 19 E                                                                   | XU9                                                                               | 1992.01~1993.02                                                                     | 1905                                                                                |
|                    | BX (XB-) - 19 E 4x4                                                               | XU9                                                                               | 1992.01~1993.02                                                                     | 1905                                                                                |
|                    | BX (XB) - TRD Turbo                                                               | XUD7TE                                                                            | 1988.03~1993.02                                                                     | 1769                                                                                |
|                    | BX (XB-) - TRD Turbo                                                              | A8A(XUD7TE),<br>AJZ(XUD7TE)                                                       | 1988.03~1993.02                                                                     | 1769                                                                                |
|                    | BX Break (XB) - 18 D                                                              | XUD7                                                                              | 1985.10~1993.09                                                                     | 1769                                                                                |
|                    | BX Break (XB) - 19 D                                                              | XUD9A, U                                                                          | 1987.03~1994.12                                                                     | 1905                                                                                |
|                    | C1 (PM, PN) - 1.4 Hdi                                                             | 8HT(DV4TD)                                                                        | 2005.06~                                                                            | 1398                                                                                |
|                    | C15 (VD-) - 1.0                                                                   | TU9                                                                               | 1988.05~1997.12                                                                     | 954                                                                                 |
|                    | C15 (VD-) - 1.0 E                                                                 | TU9K                                                                              | 1992.11~1996.07                                                                     | 954                                                                                 |
|                    | C15 (VD-) - 1.1                                                                   | TU1                                                                               | 1988.05~1996.12                                                                     | 1124                                                                                |
|                    | C15 (VD-) - 1.1 i                                                                 | TU1M                                                                              | 1988.07~1996.12                                                                     | 1124                                                                                |
|                    | C15 (VD-) - 1.4 E (TQ:101) Cast Iron                                              | TU3                                                                               | 1987.07~1996.12                                                                     | 1360                                                                                |
|                    | C15 (VD-) - 1.4 E (TQ:108)                                                        | TU3                                                                               | 1988.05~1996.12                                                                     | 1360                                                                                |
|                    | C15 (VD) - 1.8 D                                                                  | XUD7                                                                              | 1986.09~1994.01                                                                     | 1769                                                                                |
|                    | C15 (VD-) - 1.8 D                                                                 | 161A(XUD7)                                                                        | 1986.07~2000.12                                                                     | 1769                                                                                |
|                    | C15 (VD-) - 1.9 D                                                                 | WJX(DW8B)                                                                         | 2000.12~2005.12                                                                     | 1868                                                                                |
|                    | C2 (JM) - 1.1                                                                     | HFX(TU1JP)                                                                        | 2003.09~                                                                            | 1124                                                                                |
|                    | C2 (JM) - 1.4                                                                     | KFV(TU3JP)                                                                        | 2003.09~                                                                            | 1360                                                                                |
|                    | C2 (JM) - 1.4 16V                                                                 | KFU(ET3J4)                                                                        | 2006.06~                                                                            | 1360                                                                                |
|                    | C2 (JM) - 1.4 HDI                                                                 | 8HX(DV4TD),<br>8HZ(DV4TD)                                                         | 2003.09~                                                                            | 1398                                                                                |
|                    | C2 (JM) - 1.6                                                                     | NFU(TU5JP4)                                                                       | 2003.09~                                                                            | 1587                                                                                |
|                    | C2 (JM) - 1.6 Hdi                                                                 | 9HZ(DV6TED4)                                                                      | 2005.09~                                                                            | 1560                                                                                |
|                    | C25 Bus (280, 290) - 1.9 D                                                        | D9B(XUD9A, U)                                                                     | 1987.07~1994.02                                                                     | 1905                                                                                |
|                    | C25 Bus (280, 290) - 1.9 D                                                        | XUD9A                                                                             | 1987.07~1994.02                                                                     | 1905                                                                                |
|                    | C25 Bus (280, 290) - 2.5 D                                                        | CRD93L(U25-661)                                                                   | 1985.10~1994.02                                                                     | 2500                                                                                |
|                    | C3 I (FC) - 1.1 i                                                                 | HFX(TU1A),<br>HFX(TU1JP)                                                          | 2002.02~                                                                            | 1124                                                                                |
|                    | C3 I (FC) - 1.4 16V                                                               | KFU(ET3J4)                                                                        | 2003.12~                                                                            | 1360                                                                                |
|                    | C3 I (FC) - 1.4 HDI                                                               | 8HX(DV4TD)                                                                        | 2002.02~                                                                            | 1398                                                                                |
|                    | C3 I (FC) - 1.4 i                                                                 | KFV(TU3A),<br>KFV(TU3JP)                                                          | 2002.02~                                                                            | 1360                                                                                |
|                    | C3 I (FC) - 1.6 16V                                                               | NFU(TU5JP4)                                                                       | 2002.02~                                                                            | 1587                                                                                |
|                    | C3 I (FC) - 1.6 16V HDI                                                           | 9HX(DV6ATED4)                                                                     | 2005.10~                                                                            | 1560                                                                                |
|                    | C3 I (FC) - 1.6 16V HDI                                                           | 9HZ(DV6TED4)                                                                      | 2005.09~                                                                            | 1560                                                                                |
|                    | C3 II - 1.1                                                                       | HFX(TU1JP)                                                                        | 2009.11~                                                                            | 1124                                                                                |
| C3 II - 1.4        | KFT(TU3A),<br>KFV(TU3A)                                                           | 2009.11~                                                                          | 1360                                                                                |                                                                                     |
| C3 II - 1.4 HDi 70 | 8HR(DV4C),<br>8HZ(DV4TD)                                                          | 2009.11~                                                                          | 1398                                                                                |                                                                                     |

| TENSIONER 1 | TENSIONER 2 | TENSIONER 3 | IDLER 1 | IDLER 2 | IDLER 3 | PULLEY 1 | PULLEY 2 | PULLEY 3 | TBT 1           | TBT 2 | TBT 3 | HAT 1 | ADT |
|-------------|-------------|-------------|---------|---------|---------|----------|----------|----------|-----------------|-------|-------|-------|-----|
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT60140     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT60130     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT60140     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT60140     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             | GT30500 |         |         | GTA0020  |          |          | GTB0200         |       |       |       |     |
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT80260     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT60140     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT50570     | GT60130     | GT50590     |         |         |         |          |          |          |                 |       |       |       |     |
| GT60070     | GT60080     | GT30610     |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0110         |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0110         |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0230         |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GTA0020     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0120         |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0200         |       |       |       |     |
| GT60130     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT60140     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GT80290     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0110         |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0230         |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GTA0020     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0110         |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0120 GTB0240 |       |       |       |     |
| GTA0140     |             |             |         |         |         | GTB0200  |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
| GTA0020     |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0110         |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0110         |       |       |       |     |
|             |             |             |         |         |         |          |          |          |                 |       |       |       |     |
|             |             |             |         |         |         |          |          |          | GTB0200         |       |       |       |     |

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| OE MAKER | Vehicle Model                              | Engine Type                       | Year From ~ To  | Displacement CC |
|----------|--------------------------------------------|-----------------------------------|-----------------|-----------------|
|          |                                            |                                   |                 |                 |
| CITROEN  | C3 Picasso - 1.6 HDI 90                    | 9HP(DV6DTED)                      | 2010.07~        | 1560            |
|          | C3 Pluriel (HB) - 1.4 Hdi                  | 8HX(DV4TD)                        | 2004.04~        | 1398            |
|          | C4 Coupe (LA) - 1.4 16V                    | KFU(ET3J4)                        | 2004.11~        | 1360            |
|          | C4 Coupe (LA) - 1.6 Hdi                    | 9HX(DV6ATED4)                     | 2004.11~        | 1560            |
|          | C4 Coupe (LA) - 2.0 Hdi                    | RHR(DW10BTED4)                    | 2004.11~        | 1997            |
|          | C4 Grand Picasso I (UA) - 1.6 Hdi          | 9HY(DV6TED4),<br>9HZ(DV6TED4)     | 2006.10~        | 1560            |
|          | C4 Grand Picasso II - 1.6 HDi 90           | 9HP(DV6DTED)                      | 2013.09~        | 1560            |
|          | C4 I (LC) - 1.6 16V                        | NFU(TU5JP4)                       | 2004.11~        | 1587            |
|          | C4 I (LC) - 1.6 Hdi                        | 9HX(DV6ATED4)                     | 2004.11~        | 1560            |
|          | C4 I (LC) - 2.0 16V                        | RFN(EW10J4)                       | 2004.11~        | 1997            |
|          | C4 I (LC) - 2.0 Hdi                        | RHR(DW10BTED4)                    | 2004.11~        | 1997            |
|          | C4 II (B7) - 1.6 HDi 90                    | 9HP(DV6DTED)                      | 2009.11~        | 1560            |
|          | C4 Picasso I (UD) - 2.0 HDi 138            | RHJ(DW10BTED4),<br>RHR(DW10BTED4) | 2007.02~        | 1997            |
|          | C5 I (DC) - 1.8 16V (DC6FZB, DC6FZE)       | 6FZ(EW7J4)                        | 2001.03~2004.08 | 1749            |
|          | C5 I (DC) - 2.0 16V (DCRFNC, DCRFNF)       | RFN(EW10J4)                       | 2001.03~2004.08 | 1997            |
|          | C5 I (DC) - 2.0 HDi (DCRHYB)               | RHY(DW10TD)                       | 2001.03~2004.08 | 1997            |
|          | C5 I (DC) - 3.0 V6 (DCXFXC, DCXFXF)        | AFX(ES9J4S)                       | 2001.03~2004.08 | 2946            |
|          | C5 I Break (DE) - 1.8 16V (DE6FZB, DE6FZE) | 6FZ(EW7J4)                        | 2001.06~2004.08 | 1749            |
|          | C5 I Break (DE) - 2.0 HDi (DERHYB)         | RHY(DW10TD)                       | 2001.06~2004.08 | 1997            |
|          | C5 II (RC) - 1.6 HDi (RC8HZB)              | 9HY(DV6TED4),<br>9HZ(DV6TED4)     | 2004.09~        | 1560            |
|          | C5 II (RC) - 1.8 16V (RC6FZB)              | 6FZ(EW7J4)                        | 2004.09~        | 1749            |
|          | C5 II (RC) - 3.0 V6 (RCXFUF)               | XFU(ES9A),<br>AFX(ES9J4S)         | 2004.09~        | 2946            |
|          | C5 II Break (RE) - 2.0 HDi (RERHRH)        | RHR(DW10BTED4)                    | 2004.09~        | 1997            |
|          | C5 II Break (RE) - 3.0 V6 (REXFUF)         | XFU(ES9A)                         | 2004.09~        | 2946            |
|          | C5 III (RD) - 1.6 Hdi                      | 9HZ(DV6TED4)                      | 2008.02~        | 1560            |
|          | C5 III (RD) - 1.6 HDi 110                  | 9HR(DV6C)                         | 2010.07~        | 1560            |
|          | C5 III (RD) - 2.0 Hdi                      | RHF(DW10BTED4),<br>RHR(DW10BTED4) | 2008.02~        | 1997            |
|          | C5 III (RD) - 3.0 V6                       | XFU(ES9A)                         | 2008.02~        | 2946            |
|          | C5 III Break (TD) - 2.0 Hdi                | RHR(DW10BTED4)                    | 2008.02~        | 1997            |
|          | C6 (TD) - 3.0 V6                           | XFV(ES9A),<br>AFX(ES9J4S)         | 2005.09~        | 2946            |
|          | C8 (EA, EB) - 2.0                          | RFN(EW10J4)                       | 2002.07~        | 1997            |
|          | C8 (EA, EB) - 2.0 Hdi                      | RHK(DW10UTED4)                    | 2007.02~        | 1997            |
|          | C8 (EA, EB) - 2.0 Hdi                      | RHM(DW10ATED4),<br>RHT(DW10ATED4) | 2002.07~        | 1997            |
|          | C8 (EA, EB) - 2.2                          | 3FZ(EW12J4)                       | 2002.07~        | 2230            |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0230                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30500                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0120                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |                  |                  | GT30610                                                                             |         |         | GTA0010                                                                             |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080          |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0140                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

## Application Guide by OE Manufacturers

| OE MAKER |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| CITROEN  | C8 (EA, EB) - 3.0 V6                                                              | AFX(ES9J4S)                                                                       | 2002.07~                                                                            | 2946                                                                                |
|          | C-ELYSEE - 1.6 VTi 115                                                            | NFP(EC5)                                                                          | 2012.11~                                                                            | 1587                                                                                |
|          | CX I (MA) - 25 D Turbo                                                            | M25-648                                                                           | 1983.04~1985.08                                                                     | 2500                                                                                |
|          | CX I Break (MA) - 2500 D                                                          | M25-629                                                                           | 1978.02~1985.08                                                                     | 2500                                                                                |
|          | CX I Break (MA) - 2500 D Turbo                                                    | M25-648                                                                           | 1983.04~1985.08                                                                     | 2500                                                                                |
|          | CX II - 25 D                                                                      | M25-660                                                                           | 1985.08~1992.12                                                                     | 2500                                                                                |
|          | DS3 - 1.6 HDi 90                                                                  | 9HP(DV6DTED)                                                                      | 2009.11~                                                                            | 1560                                                                                |
|          | DS4 - 1.6 HDi 90                                                                  | 9HP(DV6DTED)                                                                      | 2011.05~                                                                            | 1560                                                                                |
|          | EVASION (22, U6) - 1.8                                                            | LFZ(XU7JP)                                                                        | 1997.05~2002.07                                                                     | 1761                                                                                |
|          | EVASION (22, U6) - 1.9 TD                                                         | D8B(XUD9TF)                                                                       | 1995.10~1998.12                                                                     | 1905                                                                                |
|          | EVASION (22, U6) - 2.0                                                            | RFU(XU10J2, C)                                                                    | 1994.06~2002.07                                                                     | 1998                                                                                |
|          | EVASION (22, U6) - 2.0 16V                                                        | RFV(XU10J4R)                                                                      | 1998.05~2000.04                                                                     | 1998                                                                                |
|          | EVASION (22, U6) - 2.0 HDI                                                        | RHZ(DW10ATED)                                                                     | 1999.08~2002.07                                                                     | 1997                                                                                |
|          | EVASION (22, U6) - 2.0 Turbo C.T.                                                 | XU10J2TE                                                                          | 1994.06~2002.07                                                                     | 1998                                                                                |
|          | EVASION (22, U6) - 2.1 TD                                                         | P8C(XUD11BTE)                                                                     | 1996.05~2002.07                                                                     | 2088                                                                                |
|          | GS - 1.0                                                                          | G10, 612                                                                          | 1970.09~1977.09                                                                     | 1015                                                                                |
|          | GS - 1.1                                                                          | G11, 631                                                                          | 1977.09~1980.06                                                                     | 1129                                                                                |
|          | JUMPER Box (230L) - 2.0 HDI                                                       | RHV(DW10UTD)                                                                      | 2001.11~2002.04                                                                     | 1997                                                                                |
|          | JUMPER Box (230L) - 2.5 D 4x4                                                     | T9A(DJ5)                                                                          | 2000.03~2002.04                                                                     | 2446                                                                                |
|          | JUMPER Box (230L) - 2.8 D                                                         | 8140.63(F28D)                                                                     | 1999.01~2002.02                                                                     | 2798                                                                                |
|          | JUMPER Box (230L) - 2.8 Hdi                                                       | 8140.43S                                                                          | 2000.09~2002.04                                                                     | 2798                                                                                |
|          | JUMPER Box (244) - 2.8 Hdi                                                        | 8140.43S                                                                          | 2002.04~                                                                            | 2798                                                                                |
|          | JUMPER Bus - 2.2 HDi 100                                                          | 4HV(P22DTE)                                                                       | 2006.04~                                                                            | 2198                                                                                |
|          | JUMPER Bus (230P) - 1.9 D                                                         | D9B(XUD9A, U)                                                                     | 1999.01~2002.04                                                                     | 1905                                                                                |
|          | JUMPER Bus (230P) - 2.0                                                           | RFW(XU10J2U)                                                                      | 1994.02~2002.04                                                                     | 1998                                                                                |
|          | JUMPER Bus (230P) - 2.5 D                                                         | T9A(DJ5)                                                                          | 1994.08~2002.04                                                                     | 2446                                                                                |
|          | JUMPER Bus (230P) - 2.8 D                                                         | 8140.63(F28D)                                                                     | 1999.01~2002.02                                                                     | 2798                                                                                |
|          | JUMPER Bus (230P) - 2.8 Hdi                                                       | 8140.43S                                                                          | 2000.09~2002.04                                                                     | 2798                                                                                |
|          | JUMPER Platform/Chassis (230) - 1.9 TD                                            | DHX(XUD9TF, BTF)                                                                  | 1994.03~2002.04                                                                     | 1905                                                                                |
|          | JUMPER Platform/Chassis (230) - 2.5 D                                             | T9A(DJ5)                                                                          | 1994.03~2002.04                                                                     | 2446                                                                                |
|          | JUMPER Platform/Chassis (230) - 2.8 D                                             | 8140.63(F28D)                                                                     | 1999.01~2002.02                                                                     | 2798                                                                                |
|          | JUMPER Platform/Chassis (244) - 2.0 Hdi                                           | RHV(DW10UTD)                                                                      | 2002.04~                                                                            | 1997                                                                                |
|          | JUMPER Platform/Chassis (244) - 2.2 HDI                                           | 4HY(DW12UTED)                                                                     | 2002.04~                                                                            | 2179                                                                                |
|          | JUMPY - 1.6 HDi 90 8V                                                             | 9HH(DV6DUM),<br>9HM(DV6UC)                                                        | 2007.01~                                                                            | 1560                                                                                |
|          | JUMPY - 2.0 HDi 120                                                               | RHK(DW10UTED4)                                                                    | 2007.01~                                                                            | 1997                                                                                |
|          | JUMPY - 2.0 HDi 140                                                               | RHR(DW10BTED4)                                                                    | 2007.01~                                                                            | 1997                                                                                |
|          | JUMPY (U6U) - 1.6                                                                 | 1580 SPI, 220 A2.000                                                              | 1995.10~                                                                            | 1581                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0120                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50530                                                                             |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50530                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50530                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50530                                                                             |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         | GTA0100                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570      |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         | GTA0100                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50510                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60080                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60120                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0310                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570      |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60120                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60120                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60080                                                                             |              |              |                                                                                     |         |         | GTA0010                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT80290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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| OE MAKER | Vehicle Model                           | Engine Type                         | Year From ~ To  | Displacement CC |
|----------|-----------------------------------------|-------------------------------------|-----------------|-----------------|
|          |                                         |                                     |                 |                 |
| CITROEN  | JUMPY (U6U) - 1.9 D                     | D9B(XUD9A, U)                       | 1995.10~1998.04 | 1905            |
|          | JUMPY (U6U) - 1.9 D 70                  | WJZ(DW8)                            | 1998.04~        | 1868            |
|          | JUMPY (U6U) - 2.0                       | RFN(EW10J4)                         | 2000.04~2006.12 | 1997            |
|          | JUMPY (U6U) - 2.0 HDi 110               | RHZ(DW10ATED)                       | 2000.03~        | 1997            |
|          | JUMPY (U6U) - 2.0 HDi 95                | RHX(DW10BTED)                       | 1999.01~        | 1997            |
|          | JUMPY Box (BS, BT, BY, BZ) - 1.9 D 70   | WJY(DW8B),<br>WJZ(DW8)              | 1998.04~        | 1868            |
|          | JUMPY Box (BS, BT, BY, BZ) - 1.9 TD     | DHX(XUD9TF, BTF)                    | 1995.10~        | 1905            |
|          | JUMPY Box (BS, BT, BY, BZ) - 2.0 HDi 95 | RHX(DW10BTED)                       | 1999.10~        | 1997            |
|          | NEMO Estate - 1.4                       | KFT(TU3A),<br>KFV(TU3A)             | 2009.04~        | 1360            |
|          | NEMO Estate - 1.4 Hdi                   | 8HS(DV4TED)                         | 2009.04~        | 1399            |
|          | SAXO (S0, S1) - 1.0 X                   | TU9M                                | 1996.05~1998.11 | 954             |
|          | SAXO (S0, S1) - 1.1 X,SX                | HDZ(TU1M),<br>HFX(TU1JP)            | 1996.05~2003.09 | 1124            |
|          | SAXO (S0, S1) - 1.1 X,SX                | TU1M+                               | 1996.05~2003.09 | 1124            |
|          | SAXO (S0, S1) - 1.1 X,SX (MOT:3762433)  | TU1JP                               | 1996.05~2003.09 | 1124            |
|          | SAXO (S0, S1) - 1.4 VTS                 | KFW(TU3JP),<br>KFX(TU3JP)           | 1996.05~2003.06 | 1360            |
|          | SAXO (S0, S1) - 1.4 VTS (MOT:3666765)   | TU3JP                               | 1996.05~2003.06 | 1360            |
|          | SAXO (S0, S1) - 1.5 D                   | VJY(TUD5)                           | 1996.09~2003.09 | 1527            |
|          | SAXO (S0, S1) - 1.6                     | TU5JP                               | 1996.02~2003.06 | 1587            |
|          | SAXO (S0, S1) - 1.6 VTL,VTR             | NFZ(TU5JP)                          | 1996.05~2003.06 | 1587            |
|          | SAXO (S0, S1) - 1.6 VTR                 | TU5JP                               | 1996.05~1999.07 | 1587            |
|          | VISA - 16 GTI                           | 180A(XU5J)                          | 1985.01~1986.06 | 1580            |
|          | VISA - 17 D                             | 161A(XUD7)                          | 1984.04~1991.03 | 1769            |
|          | XANTIA (X1) - 1.6 i                     | BFZ(XU5JP)                          | 1993.03~1998.01 | 1580            |
|          | XANTIA (X1) - 1.8 i                     | LFZ(XU7JP)                          | 1993.03~1998.01 | 1761            |
|          | XANTIA (X1) - 1.8 i 16V                 | LFY(XU7JP4)                         | 1995.06~1998.01 | 1761            |
|          | XANTIA (X1) - 1.9 D                     | DJZ(XUD9Y)                          | 1994.06~1998.01 | 1905            |
|          | XANTIA (X1) - 1.9 Turbo D               | DHX(XUD9TF, BTF),<br>DHY(XUD9TE, Y) | 1994.10~1998.01 | 1905            |
|          | XANTIA (X1) - 2.0 i                     | RFX(XU10J2C)                        | 1993.03~1998.01 | 1998            |
|          | XANTIA (X1) - 2.0 i 16V                 | RFV(XU10J4R)                        | 1995.06~1998.01 | 1998            |
|          | XANTIA (X1) - 2.0 Turbo                 | XU10J2TE                            | 1995.06~1998.01 | 1998            |
|          | XANTIA (X1) - 2.1 Turbo D 12V           | P8C(XUD11BTE)                       | 1995.06~1998.01 | 2088            |
|          | XANTIA (X1) - 3.0 i 24V                 | XFZ(ES9J4)                          | 1997.01~1998.01 | 2946            |
|          | XANTIA (X2) - 1.6 i SX                  | XU5JP                               | 1998.01~2001.03 | 1580            |
|          | XANTIA (X2) - 1.8 i                     | XU7JB                               | 1998.01~2003.04 | 1761            |
|          | XANTIA (X2) - 1.8 i 16V                 | LFY(XU7JP4)                         | 1998.01~2003.04 | 1761            |

| TENSIONER 1      |                  |                  | IDLER 1 |         |         | PULLEY 1 |          |          | TBT 1   |       |       | HAT 1 |     | ADT |
|------------------|------------------|------------------|---------|---------|---------|----------|----------|----------|---------|-------|-------|-------|-----|-----|
| TEN-<br>SIONER 1 | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1 | IDLER 2 | IDLER 3 | PULLEY 1 | PULLEY 2 | PULLEY 3 | TBT 1   | TBT 2 | TBT 3 | HAT 1 | ADT |     |
| GT50560          | GT50570          |                  | GT50590 |         |         |          |          |          |         |       |       |       |     |     |
| GT60070          | GT60080          |                  | GT30610 |         |         |          |          |          |         |       |       |       |     |     |
|                  |                  |                  |         |         |         |          |          |          | GTB0220 |       |       |       |     |     |
| GT60080          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT60070          | GT60080          |                  | GT30610 |         |         |          |          |          |         |       |       |       |     |     |
| GT60080          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT50560          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT60080          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
|                  |                  |                  |         |         |         |          |          |          | GTB0110 |       |       |       |     |     |
|                  |                  |                  | GT30500 |         |         |          |          |          | GTB0200 |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80240          |                  |                  |         |         |         |          |          |          | GTB0110 |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80240          |                  |                  |         |         |         |          |          |          | GTB0110 |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80240          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT50520          |                  |                  | GT30610 |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80240          |                  |                  | GT80260 |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT50610          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT60130          | GT60140          |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         | GTA0100  |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         | GTA0100  |          |          |         |       |       |       |     |     |
|                  |                  |                  | GT30610 |         |         |          |          |          | GTB0310 |       |       |       |     |     |
| GT50560          | GT50570          |                  | GT50590 |         |         |          |          |          |         |       |       |       |     |     |
| GT50560          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         | GTA0100  |          |          |         |       |       |       |     |     |
| GT50510          |                  |                  | GT30610 |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT50560          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
|                  |                  |                  | GT30560 |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
| GT80260          |                  |                  |         |         |         |          |          |          |         |       |       |       |     |     |
|                  |                  |                  |         |         |         |          |          |          | GTB0310 |       |       |       |     |     |



|  |              |              |  |         |         |  |          |          |  |       |       |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GT60080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT30560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT30610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80300 GT80260                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT30560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80300                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80300 GT80260                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT30560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0200                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80240 GTB0110                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50520 GT30610                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0120 GTB0240                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80240 GT80260                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50560 GT50570 GT50590                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0310                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |

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| OE MAKER      |  |  |  |  |
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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| CITROEN       | XSARA (N1) - 1.9 D                                                                | DJY(XUD9A)                                                                        | 1997.04~2000.09                                                                     | 1905                                                                                |
|               | XSARA (N1) - 1.9 D                                                                | RFS(XU10J4RS)                                                                     | 1998.07~2005.03                                                                     | 1868                                                                                |
|               | XSARA (N1) - 1.9 D                                                                | WJY(DW8B),<br>WJZ(DW8)                                                            | 1998.07~2005.03                                                                     | 1868                                                                                |
|               | XSARA (N1) - 2.0 16V                                                              | RFN(EW10J4)                                                                       | 2000.09~2005.03                                                                     | 1997                                                                                |
|               | XSARA (N1) - 2.0 HDi 90                                                           | RHY(DW10TD)                                                                       | 1999.02~2005.03                                                                     | 1997                                                                                |
|               | XSARA Break (N2) - 1.4 I (MOT:3666765)                                            | TU3JP                                                                             | 1997.10~2005.08                                                                     | 1360                                                                                |
|               | XSARA Break (N2) - 1.5 D                                                          | VJZ(TUD5)                                                                         | 1997.10~2000.09                                                                     | 1527                                                                                |
|               | XSARA Break (N2) - 1.6 i                                                          | TU5JP                                                                             | 1997.10~2000.09                                                                     | 1587                                                                                |
|               | XSARA Break (N2) - 1.8 i                                                          | XU7JB                                                                             | 1997.10~2000.09                                                                     | 1761                                                                                |
|               | XSARA Break (N2) - 1.8 i Aut.                                                     | XU7JP                                                                             | 1997.10~2000.09                                                                     | 1761                                                                                |
|               | XSARA Break (N2) - 1.9 D                                                          | WJY(DW8B),<br>WJZ(DW8)                                                            | 1998.07~2005.08                                                                     | 1868                                                                                |
|               | XSARA Coupe (N0) - 1.4 I (MOT:3666765)                                            | TU3JP                                                                             | 1998.03~2005.03                                                                     | 1360                                                                                |
|               | XSARA Coupe (N0) - 1.6 16V                                                        | NFU(TU5JP4)                                                                       | 2000.09~2005.03                                                                     | 1587                                                                                |
|               | XSARA Coupe (N0) - 1.6 i                                                          | TU5JP                                                                             | 1998.02~2000.09                                                                     | 1587                                                                                |
|               | XSARA Coupe (N0) - 1.8 i                                                          | XU7JB, XU7JP                                                                      | 1998.02~2000.09                                                                     | 1761                                                                                |
|               | XSARA Coupe (N0) - 2.0 HDi 109                                                    | RHZ(DW10ATED)                                                                     | 2001.05~2005.03                                                                     | 1997                                                                                |
|               | XSARA PICASSO (N68) - 1.6                                                         | TU5JP                                                                             | 1999.12~                                                                            | 1587                                                                                |
|               | XSARA PICASSO (N68) - 1.6 Hdi                                                     | 9HX(DV6ATED4)                                                                     | 2005.09~                                                                            | 1560                                                                                |
|               | ZX (N2) - 1,1                                                                     | H1A, H1B                                                                          | 1991.03~1993.08                                                                     | 1124                                                                                |
|               | ZX (N2) - 1,1                                                                     | TU1                                                                               | 1991.03~1993.08                                                                     | 1124                                                                                |
|               | ZX (N2) - 1.1                                                                     | TU1M, TU1M+                                                                       | 1991.03~1997.06                                                                     | 1124                                                                                |
|               | ZX (N2) - 1.4                                                                     | KDZ(TU3M, Z)                                                                      | 1991.03~1997.06                                                                     | 1360                                                                                |
|               | ZX (N2) - 1.4 Cast Iron                                                           | TU3-2                                                                             | 1991.03~1997.06                                                                     | 1360                                                                                |
|               | ZX (N2) - 1.6                                                                     | XU5JP, XU5M                                                                       | 1994.07~1997.10                                                                     | 1580                                                                                |
|               | ZX (N2) - 1.6 i                                                                   | BDY(XU5M),<br>BFZ(XU5JP)                                                          | 1991.03~1997.06                                                                     | 1580                                                                                |
|               | ZX (N2) - 1.6 i                                                                   | XU5JP                                                                             | 1991.03~1997.06                                                                     | 1580                                                                                |
|               | ZX (N2) - 1.8                                                                     | XU7JP                                                                             | 1994.07~1997.10                                                                     | 1761                                                                                |
|               | ZX (N2) - 1.8 D                                                                   | 161A(XUD7)                                                                        | 1993.06~1997.06                                                                     | 1769                                                                                |
|               | ZX (N2) - 1.8 D                                                                   | XUD7                                                                              | 1993.06~1997.06                                                                     | 1769                                                                                |
|               | ZX (N2) - 1.8 i                                                                   | LFZ(XU7JP)                                                                        | 1992.07~1997.06                                                                     | 1761                                                                                |
|               | ZX (N2) - 1.8 i 16V                                                               | LFY(XU7JP4)                                                                       | 1996.01~1997.06                                                                     | 1761                                                                                |
|               | ZX (N2) - 1.9 D                                                                   | DJZ(XUD9Y)                                                                        | 1991.03~1997.06                                                                     | 1905                                                                                |
|               | ZX (N2) - 1.9 D                                                                   | XUD9                                                                              | 1991.03~1997.06                                                                     | 1905                                                                                |
|               | ZX (N2) - 1.9 DT                                                                  | XUD9TE                                                                            | 1992.06~1994.06                                                                     | 1905                                                                                |
|               | ZX (N2) - 1.9 i                                                                   | XU9JA                                                                             | 1992.01~1997.06                                                                     | 1905                                                                                |
|               | ZX (N2) - 2.0 i                                                                   | RFX(XU10J2C)                                                                      | 1992.07~1997.06                                                                     | 1998                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT50560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50520                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0010                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0120                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             | GT80460      |              |                                                                                     |         |         | GTA0100                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570      | GT60130      | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0100                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30610                                                                             |         |         |                                                                                     |          |          | GTB0310                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570      | GT60130      | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         | GTA0100                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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| OE MAKER        | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| CITROEN         | ZX (N2) - 2.0 i 16V                                                               | RFS(XU10J4RS)                                                                     | 1996.05~1997.06                                                                     | 1998                                                                                |
|                 | ZX Break (N2) - 1.4 i                                                             | TU3JP, TU3M, TU3MC                                                                | 1993.10~1997.10                                                                     | 1360                                                                                |
|                 | ZX Break (N2) - 1.6 i                                                             | XU5JP, XU5M                                                                       | 1993.10~1997.10                                                                     | 1580                                                                                |
|                 | ZX Break (N2) - 1.8 i                                                             | XU7JP                                                                             | 1993.10~1997.10                                                                     | 1761                                                                                |
| DACIA           | DOKKER - 1.5 dCi                                                                  | K9K 612                                                                           | 2012.11~                                                                            | 1461                                                                                |
|                 | DUSTER - 1.6 16V                                                                  | K4M 690, K4M 696                                                                  | 2010.04~                                                                            | 1598                                                                                |
|                 | LOGAN (LS) - 1.2 16V                                                              | D4F 732                                                                           | 2006.02~                                                                            | 1149                                                                                |
|                 | LOGAN (LS) - 1.4 (LSOA, LSOC, LSOE, LSOG)                                         | K7J 710                                                                           | 2004.09~                                                                            | 1390                                                                                |
|                 | LOGAN (LS) - 1.5 dCi (LS0J, LS0Y)                                                 | K9K 790                                                                           | 2005.09~                                                                            | 1461                                                                                |
|                 | LOGAN (LS) - 1.6 (LSOB, LSOD, LSOE, LSOH)                                         | K7M 710                                                                           | 2004.09~                                                                            | 1598                                                                                |
|                 | LOGAN (LS) - 1.6 16V (LSOM)                                                       | K4M 690, K4M 696                                                                  | 2006.02~                                                                            | 1598                                                                                |
|                 | LOGAN II - 1.2 LPG                                                                | D4F 734                                                                           | 2012.10~                                                                            | 1149                                                                                |
|                 | LOGAN II - 1.5 dCi                                                                | K9K 612                                                                           | 2012.10~                                                                            | 1461                                                                                |
|                 | LOGAN MCV (KS) - 1.4                                                              | K7J 710                                                                           | 2007.02~                                                                            | 1390                                                                                |
|                 | LOGAN MCV (KS) - 1.6 16V Hi-Flex                                                  | K4M 690, K4M 694                                                                  | 2009.11~                                                                            | 1598                                                                                |
|                 | LOGAN MCV (KS) - 1.6 Bifuel                                                       | K7M 710                                                                           | 2008.11~                                                                            | 1598                                                                                |
|                 | SANDERO - 1.2 16V                                                                 | D4F 732                                                                           | 2008.11~                                                                            | 1149                                                                                |
|                 | SANDERO - 1.4 MPI LPG                                                             | K7J 714                                                                           | 2009.01~                                                                            | 1390                                                                                |
|                 | SANDERO - 1.5 dCi                                                                 | K9K 792                                                                           | 2008.11~                                                                            | 1461                                                                                |
|                 | SANDERO - 1.6                                                                     | K7M 710                                                                           | 2008.06~                                                                            | 1598                                                                                |
|                 | SANDERO - 1.6 16V                                                                 | K4M 690                                                                           | 2011.07~                                                                            | 1598                                                                                |
|                 | SANDERO II - 1.2                                                                  | D4F 732                                                                           | 2012.10~                                                                            | 1149                                                                                |
|                 | SANDERO II - 1.6 16V                                                              | K4M 694                                                                           | 2013.01~                                                                            | 1598                                                                                |
|                 | SOLENZA - 1.4                                                                     | K7J 710                                                                           | 2003.02~                                                                            | 1390                                                                                |
| SOLENZA - 1.9 D | F8Q 630                                                                           | 2003.02~                                                                          | 1870                                                                                |                                                                                     |
| DAEWOO          | CIELO - 1.5                                                                       | V15L                                                                              | 1994.06~1998.07                                                                     | 1498                                                                                |
|                 | ESPERO (KLEJ) - 1.5 16V                                                           | A15MF                                                                             | 1993.10~1994.09                                                                     | 1498                                                                                |
|                 | EVANDA (KLAL) - 2.0                                                               | L88, X 20 SED                                                                     | 2002.08~                                                                            | 1998                                                                                |
|                 | KALOS (KLAS) - 1.2                                                                | B12S1, F12S3                                                                      | 2003.04~                                                                            | 1150                                                                                |
|                 | KALOS (KLAS) - 1.4                                                                | F14S3                                                                             | 2002.09~                                                                            | 1399                                                                                |
|                 | KALOS (KLAS) - 1.4 16V                                                            | F14D3                                                                             | 2003.04~                                                                            | 1399                                                                                |
|                 | LACETTI Hatchback (KLAN) - 1.4                                                    | F14D3                                                                             | 2004.02~                                                                            | 1399                                                                                |
|                 | LACETTI Hatchback (KLAN) - 1.6                                                    | F16D3                                                                             | 2004.02~                                                                            | 1598                                                                                |
|                 | LACETTI Hatchback (KLAN) - 1.8                                                    | T18SED                                                                            | 2004.02~                                                                            | 1799                                                                                |
|                 | LANOS (KLAT) - 1.4                                                                | A14SMS                                                                            | 1997.05~                                                                            | 1349                                                                                |
|                 | LANOS (KLAT) - 1.5                                                                | A15SMS                                                                            | 1997.05~                                                                            | 1498                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GT50510                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0160                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     | GT30510 |         | GT70770                                                                             |          | GTB0160  |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     | GT30510 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     | GT30510 |         | GTB0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     | GT30510 |         | GTB0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60100                                                                             |              |              | GT60490                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       | GTB0020                                                                             |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0560                                                                             |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0020                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     | GT30540 |         | GTB0030                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0790                                                                             |          |          | GTB0020                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0790                                                                             |          |          | GTB0020                                                                             |       |       |                                                                                     |     |                                                                                     |  |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| DAEWOO        | LANOS (KLAT) - 1.6 16V                                                            | A16DMS                                                                            | 1997.05~                                                                            | 1598                                                                                |
|               | LEGANZA (KLAV) - 2.0 16V                                                          | T20SED                                                                            | 2000.07~2004.04                                                                     | 1998                                                                                |
|               | LEGANZA (KLAV) - 2.2 16V                                                          | T22SED                                                                            | 1999.04~2002.12                                                                     | 2198                                                                                |
|               | LEMANS - 1.5                                                                      | G15MG                                                                             | 1990.09~1995.07                                                                     | 1498                                                                                |
|               | MAGNUS - 2.0                                                                      | X 20 SED                                                                          | 1999.07~                                                                            | 1998                                                                                |
|               | MATIZ (KLYA) - 0.8                                                                | F8CV                                                                              | 1998.09~                                                                            | 796                                                                                 |
|               | MATIZ (KLYA) - 1.0                                                                | B10S                                                                              | 2003.01~                                                                            | 995                                                                                 |
|               | NEXIA (KLETN) - 1.5                                                               | G15MF                                                                             | 1996.08~1997.08                                                                     | 1498                                                                                |
|               | NEXIA (KLETN) - 1.5 16V                                                           | A15MF                                                                             | 1995.02~1997.08                                                                     | 1498                                                                                |
|               | NUBIRA (KLAJ) - 1.6 16V                                                           | A16DMS                                                                            | 1997.05~                                                                            | 1598                                                                                |
|               | NUBIRA (KLAJ) - 2.0 16V                                                           | X 20 SED                                                                          | 1997.05~                                                                            | 1998                                                                                |
|               | NUBIRA Saloon (KLAJ) - 2.0                                                        | C20SED                                                                            | 1999.06~2003.07                                                                     | 1998                                                                                |
|               | NUBIRA Saloon (KLAN) - 1.8                                                        | T18SED                                                                            | 2003.07~                                                                            | 1799                                                                                |
|               | REZZO (KLAU) - 1.6 SX                                                             | A16SMS                                                                            | 2001.08~2004.12                                                                     | 1598                                                                                |
|               | REZZO (KLAU) - 1.8                                                                | F18D2                                                                             | 2000.09~                                                                            | 1761                                                                                |
|               | REZZO (KLAU) - 2.0                                                                | X 20 SED                                                                          | 2001.09~                                                                            | 1998                                                                                |
|               | TICO (KLY3) - 0.8                                                                 | F8C                                                                               | 1995.02~2000.12                                                                     | 796                                                                                 |
|               | TOSCA - 1.8                                                                       | T18SED                                                                            | 2006.02~                                                                            | 1799                                                                                |
| DAIHATSU      | APPLAUSE I (A101, A111) - 1.6 16V (A101)                                          | HD                                                                                | 1989.06~1997.07                                                                     | 1590                                                                                |
|               | APPLAUSE II (A101) - 1.6 16V (A101)                                               | HD-E                                                                              | 1997.07~2000.05                                                                     | 1590                                                                                |
|               | CHARADE (L2) - 1.0 (L251S)                                                        | EJ-VE                                                                             | 2003.03~                                                                            | 989                                                                                 |
|               | CHARADE II (G11, G30) - 1.0 (G11)                                                 | CB20, CB22                                                                        | 1983.10~1987.03                                                                     | 993                                                                                 |
|               | CHARADE III (G100, G101, G102) - 1.0 (G100)                                       | CB23                                                                              | 1987.03~1992.12                                                                     | 993                                                                                 |
|               | CHARADE III (G100, G101, G102) - 1.3 i (G102)                                     | HCE                                                                               | 1988.06~1992.12                                                                     | 1296                                                                                |
|               | CHARADE IV (G200, G202) - 1.3                                                     | HC                                                                                | 1996.09~1999.11                                                                     | 1296                                                                                |
|               | CHARMANT (A) - 1.3 (A35)                                                          | 4K                                                                                | 1981.11~1987.07                                                                     | 1290                                                                                |
|               | CHARMANT (A) - 1.6 (A60)                                                          | 4A                                                                                | 1985.09~1987.07                                                                     | 1588                                                                                |
|               | CUORE II (L80, L81) - 0.8 (L80)                                                   | ED 10                                                                             | 1989.11~1990.12                                                                     | 847                                                                                 |
|               | CUORE III (L201) - 0.8                                                            | ED 10 K                                                                           | 1990.10~1994.12                                                                     | 847                                                                                 |
|               | CUORE IV (L501) - 0.8                                                             | ED 20                                                                             | 1995.01~1996.11                                                                     | 847                                                                                 |
|               | CUORE V (L5) - 0.8                                                                | ED 20                                                                             | 1996.11~1998.10                                                                     | 847                                                                                 |
|               | CUORE VI (L7) - 1.0 i (L701)                                                      | EJ-DE, EJ-VE                                                                      | 1998.10~2003.05                                                                     | 989                                                                                 |
|               | CUORE VII (L251) - 1.0                                                            | EJ-VE                                                                             | 2003.05~                                                                            | 989                                                                                 |
|               | FEROZA Hard Top (F300) - 1.6 16V                                                  | HDC                                                                               | 1988.10~1999.12                                                                     | 1590                                                                                |
|               | HIJET Box (S85) - 1.3 i 16V                                                       | HCE                                                                               | 1998.05~                                                                            | 1295                                                                                |
|               | HIJET Bus (S85) - 1.0 i                                                           | CB42                                                                              | 1994.07~1998.05                                                                     | 993                                                                                 |
|               | MOVE (L6, L9) - 0.8                                                               | ED 20                                                                             | 1996.10~                                                                            | 847                                                                                 |



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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GTA0790                                                                             |              |              |                                                                                     |         |         | GTB0010                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0020                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0560                                                                             |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0040                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          | GTB0030                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0010                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0560                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0560                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT40010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT40010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80160                                                                             | GT80180      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80160                                                                             | GT80180      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80160                                                                             | GT80180      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80160                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80160                                                                             | GT80180      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| DAIHATSU      | MOVE (L6, L9) - 1.0 i                                                             | EJ-DE                                                                             | 1998.10~                                                                            | 989                                                                                 |
|               | SIRION (M1) - 1.0 i (M100)                                                        | EJ-DE                                                                             | 1998.04~2000.09                                                                     | 989                                                                                 |
|               | TERIOS (J1) - 1.3 4WD                                                             | HC-EJ                                                                             | 1997.10~2000.10                                                                     | 1296                                                                                |
|               | TREVIS - 1.0                                                                      | EJ-VE                                                                             | 2006.06~                                                                            | 989                                                                                 |
|               | YRV (M2) - 1.0                                                                    | EJ-VE                                                                             | 2001.02~                                                                            | 989                                                                                 |
| DODGE         | AVENGER - 2.0 CRD                                                                 | ECD                                                                               | 2007.06~                                                                            | 1968                                                                                |
|               | CALIBER - 2.0 CRD                                                                 | ECD, ECE                                                                          | 2006.06~                                                                            | 1968                                                                                |
|               | CARAVAN - 2.4 i                                                                   | EDZ                                                                               | 1995.01~2001.03                                                                     | 2429                                                                                |
|               | CARAVAN - 3.0                                                                     | EFA                                                                               | 1995.01~2001.03                                                                     | 2972                                                                                |
|               | CARAVAN - 3.3 i                                                                   | EGP                                                                               | 1995.01~2001.03                                                                     | 3301                                                                                |
|               | CARAVAN - 3.8 i                                                                   | EGH                                                                               | 1995.01~2001.03                                                                     | 3778                                                                                |
|               | CARAVAN (RG) - 2.4                                                                | EDZ                                                                               | 2000.02~2007.12                                                                     | 2429                                                                                |
|               | JOURNEY - 2.0 CRD                                                                 | ECE                                                                               | 2008.06~                                                                            | 1968                                                                                |
|               | JOURNEY - 3.6                                                                     | ERB                                                                               | 2012.01~                                                                            | 3605                                                                                |
|               | NEON - 2.0 16V                                                                    | ECB                                                                               | 1994.05~1999.08                                                                     | 1996                                                                                |
|               | NEON II - 2.0 16V                                                                 | ECB                                                                               | 1999.08~                                                                            | 1996                                                                                |
|               | NITRO - 3.7 V6 4WD                                                                | EKG                                                                               | 2007.06~2012.12                                                                     | 3700                                                                                |
|               | NITRO - 4.0 4WD                                                                   | EGS                                                                               | 2006.09~2007.12                                                                     | 3952                                                                                |
|               | STRATUS - 2.4 16 V                                                                | EDZ                                                                               | 1995.12~2001.04                                                                     | 2429                                                                                |
|               | STRATUS - 2.5 V6                                                                  | EEB                                                                               | 1995.12~2001.04                                                                     | 2497                                                                                |
| FERRARI       | CALIFORNIA - 4.3                                                                  | F 131 B48                                                                         | 2008.07~                                                                            | 4297                                                                                |
| FIAT          | 131 - 2.0 D                                                                       | 8144.65                                                                           | 1978.07~1984.08                                                                     | 1995                                                                                |
|               | 131 - 2.5 D                                                                       | 8144.61                                                                           | 1978.06~1984.02                                                                     | 2445                                                                                |
|               | 132 - 2.0 D                                                                       | 8144.65                                                                           | 1978.07~1982.07                                                                     | 1995                                                                                |
|               | 132 - 2.5 D                                                                       | 8144.61                                                                           | 1978.07~1982.07                                                                     | 2445                                                                                |
|               | 500 (312) - 1.2                                                                   | 169 A4.000                                                                        | 2007.10~                                                                            | 1242                                                                                |
|               | 500 (312) - 1.4                                                                   | 169 A3.000                                                                        | 2007.10~                                                                            | 1368                                                                                |
|               | 500L - 1.6 D Multijet                                                             | 199 B5.000                                                                        | 2012.09~                                                                            | 1598                                                                                |
|               | ARGENTA (132A) - 2500 Diesel                                                      | 8144.61                                                                           | 1981.06~1985.11                                                                     | 2445                                                                                |
|               | BARCETTA (183) - 1.8 16V                                                          | 183 A1.000,<br>188 A6.000                                                         | 1995.04~2005.05                                                                     | 1747                                                                                |
|               | BRAVA (182) - 1.2 16V 80                                                          | 188 A5.000                                                                        | 2000.10~2001.10                                                                     | 1242                                                                                |
|               | BRAVA (182) - 1.4 (182.BG)                                                        | 182 A5.000                                                                        | 1995.10~2001.10                                                                     | 1370                                                                                |
|               | BRAVA (182) - 1.4 12 V (182.BA)                                                   | 182 A3.000                                                                        | 1995.10~1998.08                                                                     | 1370                                                                                |
|               | BRAVA (182) - 1.6 16V (182.BH)                                                    | 182 A6.000                                                                        | 1995.10~2001.10                                                                     | 1581                                                                                |
|               | BRAVA (182) - 1.8 GT 16V (182.BC)                                                 | 182 A2.000                                                                        | 1995.10~2001.10                                                                     | 1747                                                                                |
|               | BRAVA (182) - 1.9 TD 75 S (182.BF)                                                | 182 A8.000                                                                        | 1996.03~2001.10                                                                     | 1910                                                                                |



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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GT60360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80410                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT90530                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0450                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0450                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0370                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60600                                                                             | GT90010      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60600                                                                             | GT90010      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0590                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT90880                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT90530                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT10100                                                                             |              |              | GT10110                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0380                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             | GTB0560 |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0570                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0570                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60540                                                                             | GT70740 |         | GTA0290                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |  |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| VEHICLE MODEL | ENGINE TYPE                                                                       | YEAR FROM ~ TO                                                                    | DISPLACEMENT CC                                                                     |                                                                                     |
| FIAT          | BRAVO I (182) - 1.6 16V (182.AH)                                                  | 182 A6.000                                                                        | 1995.10~2001.10                                                                     | 1581                                                                                |
|               | BRAVO I (182) - 1.8 GT (182.AC)                                                   | 182 A2.000                                                                        | 1995.10~2001.10                                                                     | 1747                                                                                |
|               | BRAVO I (182) - 2.0 HGT 20V (182.AD)                                              | 182 A1.000                                                                        | 1995.10~1998.07                                                                     | 1998                                                                                |
|               | BRAVO II (198) - 1.6 D Multijet                                                   | 198 A3.000, 844 A3.000                                                            | 2008.03~                                                                            | 1598                                                                                |
|               | BRAVO II (198) - 1.9 D Multijet                                                   | 192 A1.000, 192 B4.000                                                            | 2006.11~                                                                            | 1910                                                                                |
|               | CAMPAGNOLA - 2.4 D                                                                | 8144.61.200                                                                       | 1974.06~1989.10                                                                     | 2445                                                                                |
|               | CINQUECENTO (170) - 1.1 Sporting (170AH)                                          | 176 B2.000                                                                        | 1994.10~1998.01                                                                     | 1108                                                                                |
|               | COUPE (175) - 1.8 16V                                                             | 183 A1.000                                                                        | 1996.03~2000.08                                                                     | 1747                                                                                |
|               | COUPE (175) - 2.0 20V                                                             | 182 A1.000                                                                        | 1996.08~1998.04                                                                     | 1998                                                                                |
|               | COUPE (175) - 2.0 20V Turbo                                                       | 175 A3.000                                                                        | 1996.08~2000.08                                                                     | 1998                                                                                |
|               | COUPE (FA/175) - 1.8 16V                                                          | 183 A1.000                                                                        | 1996.03~2000.08                                                                     | 1747                                                                                |
|               | COUPE (FA/175) - 2.0 16V                                                          | 836 A3.000                                                                        | 1993.11~1996.08                                                                     | 1995                                                                                |
|               | COUPE (FA/175) - 2.0 20V                                                          | 182 A1.000                                                                        | 1996.08~1998.04                                                                     | 1998                                                                                |
|               | CROMA (154) - 1600                                                                | 154 A.048                                                                         | 1985.12~1990.12                                                                     | 1585                                                                                |
|               | CROMA (154) - 2000 CHT (154.AC)                                                   | 154 A1.000                                                                        | 1985.12~1989.02                                                                     | 1995                                                                                |
|               | CROMA (194) - 1.8 16V                                                             | 939 A4.000                                                                        | 2005.12~                                                                            | 1796                                                                                |
|               | CROMA (194) - 1.9 D Multijet                                                      | 939 A7.000                                                                        | 2005.06~                                                                            | 1910                                                                                |
|               | CROMA (194) - 2.4 D Multijet                                                      | 939 A3.000                                                                        | 2005.06~                                                                            | 2387                                                                                |
|               | DOBLO (119) - 1.2 (223AXA1A)                                                      | 223 A5.000                                                                        | 2001.03~                                                                            | 1242                                                                                |
|               | DOBLO (119) - 1.4                                                                 | 350 A1.000                                                                        | 2005.10~                                                                            | 1368                                                                                |
|               | DOBLO (119) - 1.6 16V (223AXD1A)                                                  | 182 B6.000                                                                        | 2001.10~                                                                            | 1596                                                                                |
|               | DOBLO (119) - 1.6 Natural Power                                                   | 182 B6.000                                                                        | 2002.09~                                                                            | 1596                                                                                |
|               | DOBLO (119) - 1.9 D (223AXB1A)                                                    | 223 A6.000                                                                        | 2001.03~                                                                            | 1910                                                                                |
|               | DOBLO (119) - 1.9 D Multijet                                                      | 186 A9.000                                                                        | 2005.10~                                                                            | 1910                                                                                |
|               | DOBLO MPV (152, 263) - 1.4                                                        | 843 A1.000                                                                        | 2010.02~                                                                            | 1368                                                                                |
|               | DUCATO Box (230) - 1.9 TD CAT                                                     | 230 A4.000                                                                        | 1994.08~2002.04                                                                     | 1929                                                                                |
|               | DUCATO Box (244) - 2.3 JTD                                                        | F1AE0481C                                                                         | 2002.04~                                                                            | 2286                                                                                |
|               | DUCATO Bus (230) - 1.9 D                                                          | D9B, D9B(XUD9A), DJY                                                              | 1998.04~2002.04                                                                     | 1905                                                                                |
|               | DUCATO Bus (230) - 2.0 JTD                                                        | RHV(DW10)                                                                         | 2001.10~2002.04                                                                     | 1997                                                                                |
|               | DUCATO Bus (230) - 2.0 Panorama/Combinato                                         | RFW                                                                               | 1994.03~2002.04                                                                     | 1998                                                                                |
|               | DUCATO Bus (230) - 2.8 D                                                          | 8140.63                                                                           | 1998.02~2002.04                                                                     | 2800                                                                                |
|               | DUCATO Bus (230) - 2.8 JTD                                                        | 8140.43S                                                                          | 2000.11~2002.04                                                                     | 2798                                                                                |
|               | DUCATO Bus (244, Z) - 2.3 JTD                                                     | F1AE0481C                                                                         | 2002.04~                                                                            | 2286                                                                                |
|               | DUCATO Bus (244, Z) - 2.8 JTD                                                     | 8140.43S                                                                          | 2002.04~                                                                            | 2798                                                                                |
|               | DUCATO Bus (250) - 100 Multijet 2,2 D                                             | 4HV                                                                               | 2006.07~                                                                            | 2198                                                                                |
|               | DUCATO Bus (250) - 130 Multijet 2,3 D                                             | F1AE3481D                                                                         | 2007.01~                                                                            | 2287                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         |                                                                                     |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT70820                                                                             |              |              | GT60550                                                                             |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520 GT60530                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550 GTB0560                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70820                                                                             |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70430 GT70450 GT70460                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0240                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60680                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0890                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560 GT50570                                                                     |              |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30610                                                                             |         |         | GTA0010                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0490                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0310                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0890                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|          |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| FIAT     | DUCATO Panorama (280) - 2.5 D                                                     | 8144.67, CRD93L(U25-661)                                                          | 1986.01~1990.08                                                                     | 2500                                                                                |
|          | DUCATO Panorama (280) - 2.5 TD                                                    | 8144.21, 8144.21.220                                                              | 1987.01~1990.08                                                                     | 2445                                                                                |
|          | DUCATO Panorama (290) - 2.5 D                                                     | 8144.67                                                                           | 1990.07~1994.03                                                                     | 2500                                                                                |
|          | DUCATO Platform/Chassis (230) - 1.9 D                                             | DJY                                                                               | 1998.04~2002.04                                                                     | 1905                                                                                |
|          | DUCATO Platform/Chassis (230) - 2.0                                               | RFW                                                                               | 1998.06~2002.04                                                                     | 1998                                                                                |
|          | DUCATO Platform/Chassis (244) - 2.0 JTD                                           | RHV(DW10)                                                                         | 2002.04~2006.07                                                                     | 1997                                                                                |
|          | DUCATO Platform/Chassis (244) - 2.3 JTD                                           | F1AE0481C                                                                         | 2002.04~2006.07                                                                     | 2286                                                                                |
|          | DUCATO Platform/Chassis (250) - 130 Multijet 2,3 D                                | F1AE0481N, F1AE3481D                                                              | 2007.01~                                                                            | 2287                                                                                |
|          | DUNA (146) - 60 1.1                                                               | 146 A6.000                                                                        | 1987.01~1991.12                                                                     | 1116                                                                                |
|          | DUNA (146) - 70 1.3                                                               | 146 A5.000                                                                        | 1987.01~1991.12                                                                     | 1301                                                                                |
|          | ELBA (146) - 1.5                                                                  | 149 C1.000                                                                        | 1992.01~1996.12                                                                     | 1497                                                                                |
|          | FIORINO Box (146) - 60 1.1                                                        | 146 A9.000                                                                        | 1988.05~1993.12                                                                     | 1116                                                                                |
|          | FIORINO Box (146) - 70 1.3                                                        | 146 A5.000                                                                        | 1988.01~1994.12                                                                     | 1301                                                                                |
|          | FIORINO Box (146) 70 - 1.3                                                        | 146 A5.000                                                                        | 1988.01~1994.12                                                                     | 1301                                                                                |
|          | FIORINO Box (146) 70 i.e. - 1.4                                                   | 146 C5.000, 146 D5.000                                                            | 1994.05~2001.05                                                                     | 1372                                                                                |
|          | FIORINO Box Body / Estate - 1.3                                                   | 1.3 Flex 52kW, 71PS                                                               | 2000.01~2008.02                                                                     | 1300                                                                                |
|          | FIORINO Box Body / Estate (225) - 1.4                                             | KFT, KfV                                                                          | 2007.11~                                                                            | 1360                                                                                |
|          | FIORINO Box Body / Estate (225) - 1.4 Natural Power                               | 350 A1.000                                                                        | 2009.10~                                                                            | 1368                                                                                |
|          | FIORINO Pick up (146) - 1.6                                                       | 146 C6.000, 146 D6.000                                                            | 1994.01~2001.05                                                                     | 1581                                                                                |
|          | FREEMONT (JF) - 3.6                                                               | ERB                                                                               | 2011.08~                                                                            | 3604                                                                                |
|          | GRAND SIENA (372) - 1.0                                                           | 1.0 Flex 55kW, 75PS                                                               | 2000.01~2012.01                                                                     | 1000                                                                                |
|          | GRANDE PUNTO (199) - 1.2                                                          | 199 A4.000                                                                        | 2005.10~                                                                            | 1242                                                                                |
|          | GRANDE PUNTO (199) - 1.4                                                          | 199 A7.000                                                                        | 2006.06~                                                                            | 1368                                                                                |
|          | GRANDE PUNTO (199) - 1.4 16V                                                      | 199 A6.000                                                                        | 2005.10~                                                                            | 1368                                                                                |
|          | GRANDE PUNTO (199) - 1.6 D Multijet                                               | 955 A3.000                                                                        | 2008.07~                                                                            | 1598                                                                                |
|          | IDEA - 1.2 16V                                                                    | 188 A5.000                                                                        | 2004.01~                                                                            | 1242                                                                                |
|          | IDEA - 1.4                                                                        | 192 B2.000                                                                        | 2003.12~                                                                            | 1368                                                                                |
|          | IDEA - 1.4                                                                        | 350 A1.000                                                                        | 2005.10~                                                                            | 1368                                                                                |
|          | IDEA - 1.6 D Multijet                                                             | 350 A2.000                                                                        | 2008.05~                                                                            | 1598                                                                                |
|          | LINEA (323) - 1.4                                                                 | 350 A1.000                                                                        | 2007.06~                                                                            | 1368                                                                                |
|          | LINEA (323) - 1.4 T-Jet                                                           | 198 A4.000                                                                        | 2007.09~                                                                            | 1368                                                                                |
|          | MAREA (185) - 1.2 16V                                                             | 182 B2.000                                                                        | 1998.10~2002.05                                                                     | 1242                                                                                |
|          | MAREA (185) - 1.4 80 12V                                                          | 182 A3.000                                                                        | 1996.09~2002.05                                                                     | 1370                                                                                |
|          | MAREA (185) - 1.6                                                                 | 185 A3.000                                                                        | 1999.03~2000.08                                                                     | 1581                                                                                |
|          | MAREA (185) - 1.6 SX                                                              | 182 B5.098                                                                        | 2000.09~2002.08                                                                     | 1581                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT50530                                                                             |              |              | GT60530                                                                             |         | GT80290 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50570                                                                             |              |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0490                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTA0890                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70420                                                                             |              |              | GT70470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60680                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0110                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0480                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTA0150                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0480                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0480                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0390                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0480                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0390                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0480                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0570                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTA0290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| VEHICLE MODEL | ENGINE TYPE                                                                       | YEAR FROM ~ TO                                                                    | DISPLACEMENT CC                                                                     |                                                                                     |
| FIAT          | MAREA (185) - 1.8 115 16V                                                         | 182 A2.000                                                                        | 1996.09~2002.05                                                                     | 1747                                                                                |
|               | MAREA (185) - 1.9 TD 75                                                           | 182 A8.000                                                                        | 1996.09~2002.05                                                                     | 1910                                                                                |
|               | MAREA (185) - 2.0 150 20V                                                         | 182 A1.000                                                                        | 1996.09~1999.04                                                                     | 1998                                                                                |
|               | MAREA (185) - 2.0 155 20V                                                         | 182 B7.000                                                                        | 1999.04~2001.01                                                                     | 1998                                                                                |
|               | MAREA (185) - 2.4 JTD 130                                                         | 185 A6.000, 839 A5.000                                                            | 1999.04~2002.05                                                                     | 2387                                                                                |
|               | MAREA Weekend (185) - 1.4 80 12V                                                  | 182 A3.000                                                                        | 1996.09~2002.05                                                                     | 1370                                                                                |
|               | MAREA Weekend (185) - 2.0 150 20V                                                 | 182 A1.000                                                                        | 1996.09~1999.04                                                                     | 1998                                                                                |
|               | MAREA Weekend (185) - 2.0 155 20V                                                 | 182 B7.000                                                                        | 1999.04~2003.02                                                                     | 1998                                                                                |
|               | MULTIPLA (186) - 1.6 16V Blupower (186AMA1A)                                      | 186 A3.000                                                                        | 1999.04~2010.06                                                                     | 1581                                                                                |
|               | MULTIPLA (186) - 1.9 JTD 105 (186AXB1A)                                           | 182 B4.000                                                                        | 1999.04~2010.06                                                                     | 1910                                                                                |
|               | MULTIPLA (186) - 1.9 JTD 110                                                      | 186 A6.000                                                                        | 2001.03~2002.07                                                                     | 1910                                                                                |
|               | PALIO (178BX) - 1.2                                                               | 178 B7.045, 178 C4.066, 188 A4.000                                                | 1997.07~2002.08                                                                     | 1242                                                                                |
|               | PALIO (178BX) - 1.4                                                               | 178 B2.000                                                                        | 1996.04~                                                                            | 1372                                                                                |
|               | PALIO (178BX) - 1.6 16V                                                           | 178 B3.000                                                                        | 1996.04~                                                                            | 1581                                                                                |
|               | PALIO Weekend (178DX) - 1.2                                                       | 188 A5.000                                                                        | 2001.09~                                                                            | 1242                                                                                |
|               | PALIO Weekend (178DX) - 1.9 D (178DYD1A07)                                        | 223 A6.000                                                                        | 2001.03~                                                                            | 1910                                                                                |
|               | PANDA (169) - 1.1                                                                 | 187 A1.000                                                                        | 2003.09~                                                                            | 1108                                                                                |
|               | PANDA (169) - 1.2                                                                 | 188 A4.000                                                                        | 2003.09~                                                                            | 1242                                                                                |
|               | PANDA (169) - 1.4                                                                 | 169 A3.000                                                                        | 2006.10~                                                                            | 1368                                                                                |
|               | PUNTO (176) - 1.4 GT Turbo                                                        | 176 A4.000                                                                        | 1994.01~1996.09                                                                     | 1372                                                                                |
|               | PUNTO (176) - 1.4 GT Turbo                                                        | 176 B6.000                                                                        | 1996.09~1999.09                                                                     | 1372                                                                                |
|               | PUNTO (176) - 1.6                                                                 | 176 A9.000                                                                        | 1994.01~1997.04                                                                     | 1581                                                                                |
|               | PUNTO (188) - 1.8 130 HGT (188.738, .718)                                         | 183 A1.000, 188 A6.000                                                            | 1999.09~                                                                            | 1747                                                                                |
|               | PUNTO EVO (199) - 1.2                                                             | 199 A4.000                                                                        | 2009.10~2012.02                                                                     | 1242                                                                                |
|               | PUNTO EVO (199) - 1.4                                                             | 199 A7.000                                                                        | 2009.07~2012.02                                                                     | 1368                                                                                |
|               | PUNTO EVO (199) - 1.4 16V                                                         | 955 A6.000                                                                        | 2009.10~2012.02                                                                     | 1368                                                                                |
|               | PUNTO EVO (199) - 1.6 D Multijet                                                  | 955 A3.000                                                                        | 2009.10~2012.02                                                                     | 1598                                                                                |
|               | PUNTO Van (188AX) - 1.9 D 60                                                      | 188 A3.000                                                                        | 2000.02~2009.10                                                                     | 1910                                                                                |
|               | QUBO (225) - 1.4                                                                  | KFT, Kfv                                                                          | 2008.02~                                                                            | 1360                                                                                |
|               | QUBO (225) - 1.4 Natural Power                                                    | 350 A1.000                                                                        | 2009.10~                                                                            | 1368                                                                                |
|               | REGATA (138) - 100 Super 1.6                                                      | 149 A2.000, 149 A4.000                                                            | 1983.10~1990.12                                                                     | 1585                                                                                |
|               | REGATA (138) - 100 Super 1.6                                                      | 149 C3.000                                                                        | 1983.10~1989.07                                                                     | 1585                                                                                |
|               | REGATA (138) - 70 1.3                                                             | 149 A3.000, 149 A7.000                                                            | 1983.09~1989.07                                                                     | 1301                                                                                |
|               | REGATA (138) - 75 i.e. 1.5                                                        | 138 C2.048, 149 C1.000                                                            | 1985.07~1989.07                                                                     | 1498                                                                                |
|               | REGATA (138) - 85 1.6                                                             | 149 A.000                                                                         | 1983.10~1990.06                                                                     | 1585                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT70820                                                                             |              |              | GT60550                                                                             |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0570                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         | GTA0290                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70480                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70740                                                                             |         |         | GT60680                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60680                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0110                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT70450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70460                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70460                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



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| OE MAKER |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| FIAT     | REGATA (138) - 90 i.e. 1.6                                                        | 149 C2.000                                                                        | 1987.01~1989.07                                                                     | 1595                                                                                |
|          | RITMO Convertible - 100 1.6                                                       | 138 AR.048                                                                        | 1985.10~1987.12                                                                     | 1585                                                                                |
|          | RITMO Convertible - 85 1.5                                                        | 138 B3.000                                                                        | 1983.03~1989.12                                                                     | 1498                                                                                |
|          | RITMO I (138A) - 90 i.e. 1.6                                                      | 149 C2.000                                                                        | 1985.09~1987.12                                                                     | 1595                                                                                |
|          | RITMO II (138A) - 105 1.6                                                         | 138 AR.000                                                                        | 1983.01~1987.12                                                                     | 1585                                                                                |
|          | RITMO II (138A) - 130 TC Abarth 2.0                                               | 138 AR2.000                                                                       | 1983.04~1987.12                                                                     | 1995                                                                                |
|          | RITMO II (138A) - 60 1.1                                                          | 146 A4.048                                                                        | 1985.04~1987.12                                                                     | 1116                                                                                |
|          | RITMO II (138A) - 85 1.5                                                          | 138 B3.000                                                                        | 1983.01~1987.12                                                                     | 1498                                                                                |
|          | RITMO II (138A) - 90 1.6 i.e.                                                     | 138 AR.000                                                                        | 1985.12~1987.12                                                                     | 1585                                                                                |
|          | SCUDO (270) - 1.6 D Multijet                                                      | 9HU                                                                               | 2007.01~                                                                            | 1560                                                                                |
|          | SCUDO (270) - 2.0 D Multijet                                                      | RHK                                                                               | 2007.01~                                                                            | 1997                                                                                |
|          | SCUDO Box (220L) - 1.9 D                                                          | D9B                                                                               | 1996.02~2006.12                                                                     | 1905                                                                                |
|          | SCUDO Box (220L) - 1.9 D                                                          | WJZ(DW8)                                                                          | 1998.04~2006.12                                                                     | 1868                                                                                |
|          | SCUDO Box (220L) - 2.0 JTD                                                        | RHX                                                                               | 1999.12~2006.12                                                                     | 1997                                                                                |
|          | SCUDO Box (270) - 1.6 D Multijet                                                  | 9HU                                                                               | 2007.01~                                                                            | 1560                                                                                |
|          | SCUDO Combinato (220P) - 1.9 D                                                    | D9B                                                                               | 1996.02~1998.04                                                                     | 1905                                                                                |
|          | SCUDO Combinato (220P) - 1.9 D                                                    | WJZ(DW8)                                                                          | 1998.04~2006.12                                                                     | 1868                                                                                |
|          | SCUDO Combinato (220P) - 1.9 TD Eco                                               | DHX(XUD9TF, L)                                                                    | 1996.02~2006.12                                                                     | 1905                                                                                |
|          | SCUDO Combinato (220P) - 2.0 16V                                                  | RFN(EW10J4)                                                                       | 2000.06~2006.12                                                                     | 1997                                                                                |
|          | SCUDO Combinato (220P) - 2.0 JTD                                                  | RHX                                                                               | 2004.01~2006.12                                                                     | 1997                                                                                |
|          | SCUDO Combinato (220P) - 2.0 JTD                                                  | RHZ                                                                               | 1999.12~2006.12                                                                     | 1997                                                                                |
|          | SCUDO Platform/Chassis (270) - 1.6 D Multijet                                     | 9HU                                                                               | 2007.01~                                                                            | 1560                                                                                |
|          | SCUDO Platform/Chassis (270) - 2.0 D Multijet                                     | RHK                                                                               | 2007.01~                                                                            | 1997                                                                                |
|          | SEDICI - 1.9 D Multijet                                                           | D19AA                                                                             | 2006.06~                                                                            | 1910                                                                                |
|          | SIENA (178) - 1.6 16V                                                             | 178 B3.000                                                                        | 1998.09~                                                                            | 1581                                                                                |
|          | STILO (192) - 1.2 16V (192XA1B)                                                   | 188 A5.000                                                                        | 2002.02~2006.11                                                                     | 1242                                                                                |
|          | STILO (192) - 1.6 16V (192XB1A)                                                   | 182 B6.000                                                                        | 2001.10~2006.11                                                                     | 1596                                                                                |
|          | STILO (192) - 1.8 16V (192XC1A)                                                   | 192 A4.000                                                                        | 2001.10~2006.11                                                                     | 1747                                                                                |
|          | STILO (192) - 1.9 JTD (192XF1A)                                                   | 192 A3.000                                                                        | 2002.02~2006.11                                                                     | 1910                                                                                |
|          | STILO (192) - 2.4 20V (192XD1A)                                                   | 192 A2.000                                                                        | 2001.10~2006.11                                                                     | 2446                                                                                |
|          | STILO Multi Wagon (192) - 1.6 16V                                                 | 192 B3.000                                                                        | 2005.03~2007.12                                                                     | 1598                                                                                |
|          | STILO Multi Wagon (192) - 1.8 16V                                                 | 192 A4.000                                                                        | 2003.01~2008.08                                                                     | 1747                                                                                |
|          | STRADA Pickup (178E) - 1.2                                                        | 178 B5.000                                                                        | 1999.06~                                                                            | 1242                                                                                |
|          | STRADA Pickup (178E) - 1.2                                                        | 188 A4.000                                                                        | 2003.04~                                                                            | 1242                                                                                |
|          | STRADA Pickup (178E) - 1.9 D                                                      | 223 A6.000                                                                        | 2000.12~                                                                            | 1910                                                                                |
|          | STRADA Pickup (178E) - 1.9 JTD                                                    | 188 A2.000                                                                        | 2003.04~                                                                            | 1910                                                                                |
|          | TEMPRA S.W. (159) - 1.6                                                           | 159 A3.000                                                                        | 1990.12~1993.04                                                                     | 1581                                                                                |



2017 TENSIONER & IDLER BEARING

|  |              |              |  |         |         |  |          |          |  |         |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT70430                                                                             | GT70460      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70430                                                                             | GT70450      | GT70460      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70460                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70430                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70430                                                                             | GT70450      | GT70460      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         |                                                                                     |          |          | GTB0200                                                                             | GTB0540 |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT50570                                                                             |              |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570      |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080      |              | GT30610                                                                             |         |         | GTA0010                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT60080                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0290                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0240                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70480                                                                             |         |         |                                                                                     |          |          | GTB0480                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         | GTA0030                                                                             |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |

## Application Guide by OE Manufacturers

| OE MAKER | Vehicle Model                            | Engine Type                  | Year From ~ To  | Displacement CC |
|----------|------------------------------------------|------------------------------|-----------------|-----------------|
|          |                                          |                              |                 |                 |
| FIAT     | TIPO (160) - 1.4 (160.AC)                | 160 A1.000, 160 A1.048       | 1987.07~1989.12 | 1372            |
|          | TIPO (160) - 1.6 i.e.                    | 149 C2.046                   | 1988.02~1991.05 | 1595            |
|          | TIPO (160) - 1.8 i.e.                    | 159 A4.000                   | 1990.10~1993.06 | 1756            |
|          | TIPO (160) - 1.8 i.e. (160.EQ, 160.AM)   | 159 A4.000, 836 A5.000       | 1994.10~1995.10 | 1756            |
|          | TIPO (160) - 1.8 i.e. 16V Sport          | 160 A5.000                   | 1989.11~1992.06 | 1756            |
|          | TIPO (160) - 2.0 i.e. 16V Sport (160.EF) | 836 A3.000                   | 1993.03~1995.04 | 1995            |
|          | ULYSSE (179AX) - 2.0 D Multijet          | RHK                          | 2006.05~2011.06 | 1997            |
|          | ULYSSE (179AX) - 3.0                     | XFW                          | 2002.08~2011.06 | 2946            |
|          | ULYSSE (220) - 1.8 (220.BB5)             | LFW                          | 1997.05~2002.08 | 1761            |
|          | ULYSSE (220) - 1.9 TD (220AH5)           | DHX(XUD9TF, L)               | 1995.02~2002.08 | 1905            |
|          | ULYSSE (220) - 2.0 (220.AC5)             | RFU                          | 1994.06~2002.08 | 1998            |
|          | ULYSSE (220) - 2.0 16V                   | RFN(EW10J4)                  | 2000.09~2002.08 | 1997            |
|          | ULYSSE (220) - 2.0 16V                   | RFV                          | 1998.05~2000.09 | 1998            |
|          | ULYSSE (220) - 2.0 JTD                   | RHZ                          | 1999.10~2002.08 | 1997            |
|          | ULYSSE (220) - 2.0 Turbo (220.AD5)       | RGX                          | 1994.06~2002.08 | 1998            |
|          | ULYSSE (220) - 2.1 TD                    | P8C                          | 1996.03~1999.10 | 2088            |
|          | UNO (146A/E) - 1.3 Turbo i.e.            | 146 A2.146                   | 1987.01~1987.12 | 1301            |
|          | UNO (146A/E) - 1.4 Turbo i.e.            | 146 A8.046                   | 1989.09~1993.09 | 1372            |
|          | UNO (146A/E) - 45 1.0 (146A.ED)          | 156 A2.048, 156 A2.100       | 1986.06~1993.12 | 999             |
|          | UNO (146A/E) - 50 1.1                    | 156 C.046                    | 1990.01~1993.12 | 1108            |
|          | UNO (146A/E) - 55 1.1                    | 138 B.000                    | 1983.01~1989.08 | 1116            |
|          | UNO (146A/E) - 70 S 1.4                  | 160 A1.048                   | 1989.09~1992.10 | 1372            |
| FORD     | B-MAX (JK) - 1.4                         | SPJD                         | 2012.10~        | 1388            |
|          | B-MAX (JK) - 1.6 Ti                      | IQJA                         | 2012.10~        | 1596            |
|          | C-MAX (DM2) - 1.6                        | HWDA, HWDB, SHDA, SHDB, SHDC | 2007.02~        | 1596            |
|          | C-MAX (DM2) - 1.6 TDCi                   | GPDA, HHDA, HHDB             | 2007.02~        | 1560            |
|          | C-MAX (DM2) - 1.8 TDCi                   | KKDA                         | 2007.02~        | 1753            |
|          | C-MAX (DM2) - 2.0 TDCi                   | IXDA                         | 2008.02~        | 1997            |
|          | C-MAX II - 1.6 Ti                        | XTDA                         | 2010.12~        | 1596            |
|          | COUGAR (EC) - 2.0 16V                    | EDBA, EDBB, EDBC, EDBD       | 1998.08~2001.12 | 1988            |
|          | ECONOVAN (KBA, KCA) - 2.0 D              | RF                           | 1986.03~1992.03 | 1998            |
|          | ECONOVAN Box (KAA) - 2.0 D               | RF                           | 1986.03~1992.03 | 1998            |
|          | ECOSPORT - 1.5 Ti                        | UEJB                         | 2013.10~        | 1498            |
|          | ESCORT - 2.0                             | L4-2.0L                      | 1997.01~2002.01 | 2000            |
|          | ESCORT '81 Express (AVA) - 1.1           | GLB                          | 1981.03~1986.02 | 1117            |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT60680                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70430                                                                             | GT70460      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70430                                                                             | GT70460      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0340                                                                             |
| GT30560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570      |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0220                                                                             |
| GT50510                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080      |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              | GT70470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70470                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0380                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0380                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0380                                                                             |
| GT30500                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0200                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0280                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0340                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0380                                                                             |
| GT90400                                                                             |              |              | GT70280                                                                             |         |         | GTA0300                                                                             |          |          | GTB0290                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0380                                                                             |
| GT90570                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60300                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GT80210                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0400                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             | GT80220          |                  | GT80230                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |                  |                  | GT90350                                                                             |         | GT90360 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             | GT80220          |                  | GT80230                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |                  |                  | GT90360                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80490                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80220                                                                             |                  |                  | GT80230                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |                  |                  |                                                                                     |         |         | GTA0110                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |                  |                  |                                                                                     |         |         | GTA0110                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0280                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0280                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |                  |                  |                                                                                     |         |         | GTA0110                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |                  |                  |                                                                                     |         |         | GTA0110                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80220                                                                             |                  |                  | GT80230                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0410                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0410                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |

## Application Guide by OE Manufacturers

| OE MAKER |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| FORD     | FIESTA IV (JA, JB) - 1.8 D                                                        | RTJ, RTK                                                                          | 1995.08~2000.04                                                                     | 1753                                                                                |
|          | FIESTA IV (JA, JB) - 1.8 DI                                                       | RTN, RTP, RTQ                                                                     | 2000.04~2002.01                                                                     | 1753                                                                                |
|          | FIESTA V (JH, JD) - 1.4 TDCi                                                      | F6JA, F6JB                                                                        | 2001.11~2008.06                                                                     | 1399                                                                                |
|          | FIESTA V (JH, JD) - 1.6 TDCi                                                      | HHJA, HHJB                                                                        | 2004.11~2008.06                                                                     | 1560                                                                                |
|          | FIESTA VI - 1.25                                                                  | STJA, STJB                                                                        | 2008.06~                                                                            | 1242                                                                                |
|          | FIESTA VI - 1.4                                                                   | SPJA, SPJC                                                                        | 2008.06~                                                                            | 1388                                                                                |
|          | FIESTA VI - 1.4 TDCi                                                              | F6JB                                                                              | 2009.01~                                                                            | 1399                                                                                |
|          | FIESTA VI - 1.6 TDCi                                                              | HHJF, UBJA                                                                        | 2008.06~                                                                            | 1650                                                                                |
|          | FOCUS - 2.0                                                                       | L4-2.0L                                                                           | 2000.01~2004.01                                                                     | 2000                                                                                |
|          | FOCUS (DAW, DBW) - 1.4 16V                                                        | FXDA, FXDB, FXDC, FXDD                                                            | 1998.10~2004.11                                                                     | 1388                                                                                |
|          | FOCUS (DAW, DBW) - 1.8 16V                                                        | EYDB, EYDC, EYDD, EYDE, EYDF, EYDG, EYDI, EYDJ, EYDL                              | 1998.10~2004.11                                                                     | 1796                                                                                |
|          | FOCUS (DAW, DBW) - 1.8 DI / TDDi                                                  | BHDA, BHDB                                                                        | 1999.08~2004.11                                                                     | 1753                                                                                |
|          | FOCUS (DAW, DBW) - 1.8 Turbo DI / TDDi                                            | C9DA, C9DB, C9DC                                                                  | 1998.10~2004.11                                                                     | 1753                                                                                |
|          | FOCUS (DAW, DBW) - 2.0 16V                                                        | EDDB, EDDC, EDDD, EDDF                                                            | 1998.10~2004.11                                                                     | 1988                                                                                |
|          | FOCUS (DAW, DBW) - RS                                                             | HMDA                                                                              | 2002.10~2004.11                                                                     | 1988                                                                                |
|          | FOCUS (DAW, DBW) - ST170                                                          | ALDA                                                                              | 2002.03~2004.11                                                                     | 1988                                                                                |
|          | FOCUS C-MAX - 1.6                                                                 | HWDA, HWDB                                                                        | 2003.10~2007.03                                                                     | 1596                                                                                |
|          | FOCUS C-MAX - 1.6 TDCi                                                            | HHDA, HHDB                                                                        | 2005.02~2007.03                                                                     | 1560                                                                                |
|          | FOCUS II (DA) - 1.6 TDCi                                                          | GPDA, GPDB, GPDC, HHDA, HHDB                                                      | 2005.01~                                                                            | 1560                                                                                |
|          | FOCUS II (DA) - 2.5 RS                                                            | JZDA                                                                              | 2009.01~                                                                            | 2521                                                                                |
|          | FOCUS II (DA) - 2.5 ST                                                            | HYDA                                                                              | 2005.10~                                                                            | 2522                                                                                |
|          | FOCUS II Estate (DA) - 1.6                                                        | HWDA, HWDB, SHDA, SHDB, SHDC                                                      | 2004.11~                                                                            | 1596                                                                                |
|          | FOCUS II Saloon (DA) - 2.0 TDCi                                                   | IXDA                                                                              | 2008.02~                                                                            | 1997                                                                                |
|          | FOCUS III - 1.6 Ti                                                                | XTDA                                                                              | 2011.08~                                                                            | 1596                                                                                |
|          | FOCUS Saloon (DFW) - 1.8 Turbo DI / TDDi                                          | BHDA, BHDB                                                                        | 2001.08~2005.03                                                                     | 1753                                                                                |
|          | FUSION (JU) - 1.25                                                                | FUJA, FUJB                                                                        | 2004.08~                                                                            | 1242                                                                                |
|          | FUSION (JU) - 1.4                                                                 | FXJA, FXJB, FXJC                                                                  | 2002.08~                                                                            | 1388                                                                                |
|          | FUSION (JU) - 1.4 TDCi                                                            | F6JA, F6JB                                                                        | 2002.08~                                                                            | 1399                                                                                |
|          | FUSION (JU) - 1.6                                                                 | FYJA, FYJB, FYJC                                                                  | 2002.08~                                                                            | 1596                                                                                |
|          | FUSION (JU) - 1.6 TDCi                                                            | HHJA, HHJB                                                                        | 2004.11~                                                                            | 1560                                                                                |
|          | GALAXY (WA6) - 1.8 TDCi                                                           | FFWA                                                                              | 2006.05~                                                                            | 1753                                                                                |
|          | GALAXY (WA6) - 2.0 TDCi                                                           | KLWA, TYWA                                                                        | 2007.11~                                                                            | 1997                                                                                |
|          | GALAXY (WGR) - 1.9 TD                                                             | AUY                                                                               | 2000.04~2006.05                                                                     | 1896                                                                                |
|          | GALAXY (WGR) - 1.9 TDI                                                            | 1Z, AHU, ANU                                                                      | 1995.03~2006.05                                                                     | 1896                                                                                |
|          | GALAXY (WGR) - 1.9 TDI                                                            | 1Z, AHU, VW19N                                                                    | 1995.03~2006.05                                                                     | 1896                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3   | HAT 1                                                                               | ADT                                                                                 |  |
| GTA0400                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0140                                                                             |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0380                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0380                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
| GT90570                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0410                                                                             |         |         |                                                                                     |                                                                                     |  |
| GT90400                                                                             |              |              | GT60280                                                                             |         | GT90390 |                                                                                     | GTA0300  |          |                                                                                     | GTB0290 |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT60280                                                                             |         |         | GTA0300                                                                             |          |          | GTB0290                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT60280                                                                             |         |         | GTA0300                                                                             |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT60280                                                                             |         |         | GTA0300                                                                             |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0380                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT30500                                                                             |         |         |                                                                                     |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0410                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0380                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0380                                                                             |         | GTB0410 |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0140                                                                             |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0380                                                                             |         | GTB0410 |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |         |                                                                                     |                                                                                     |  |
| GTA0040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         | GT60350 |                                                                                     |          |          |                                                                                     | GTB0270 |         | GHAT-144                                                                            |                                                                                     |  |
| GT60330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |  |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GTA0110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0210                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0380                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0480                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0300                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0530                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80220                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90350                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90400                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0300                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0290                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90400                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0300                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0290                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90400                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0300                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0290                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0200                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0200                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0380                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTB0340                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80220                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90350                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90000                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80220                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80220                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80670                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80520                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |



|                                                        |  |  |  |  |
|--------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER                                               | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| FORD                                                   | PUMA (EC) - 1.4 16V                                                               | FHD, FHF                                                                          | 1997.11~2000.10                                                                     | 1388                                                                                |
|                                                        | PUMA (EC) - 1.6 16V                                                               | L1W                                                                               | 2000.08~2002.06                                                                     | 1596                                                                                |
|                                                        | RANGER (ER, EQ) - 2.5 D                                                           | WL                                                                                | 1999.10~2002.04                                                                     | 2500                                                                                |
|                                                        | RANGER (ER, EQ) - 2.5 D 4x4                                                       | WL                                                                                | 1999.10~2002.04                                                                     | 2500                                                                                |
|                                                        | SCORPIO II Estate (GNR, GGR) - 2.3 i 16V                                          | Y5A                                                                               | 1996.06~1998.08                                                                     | 2295                                                                                |
|                                                        | SIERRA (GBG, GB4) - 1.8                                                           | R2C, R6A                                                                          | 1988.05~1993.02                                                                     | 1769                                                                                |
|                                                        | SIERRA Estate (BNC) - 1.8                                                         | REB                                                                               | 1984.10~1986.12                                                                     | 1796                                                                                |
|                                                        | SIERRA Estate (BNG) - 1.8                                                         | RED, REF                                                                          | 1987.10~1988.05                                                                     | 1796                                                                                |
|                                                        | SIERRA Hatchback (GBC) - 1.8                                                      | REB                                                                               | 1984.10~1986.12                                                                     | 1796                                                                                |
|                                                        | SIERRA Hatchback (GBC, GBG) - 1.8 TD                                              | RFA, RFB, RFK                                                                     | 1988.08~1993.02                                                                     | 1753                                                                                |
|                                                        | S-MAX (WA6) - 1.8 TDCi                                                            | QYWA                                                                              | 2006.05~                                                                            | 1753                                                                                |
|                                                        | S-MAX (WA6) - 2.0 TDCi                                                            | KLWA, TYWA                                                                        | 2007.11~                                                                            | 1997                                                                                |
|                                                        | S-MAX (WA6) - 2.5 ST                                                              | HUWA                                                                              | 2006.05~                                                                            | 2521                                                                                |
|                                                        | TOURNEO CONNECT - 1.8 16V                                                         | EYPA, EYPC, EYPD                                                                  | 2002.06~                                                                            | 1796                                                                                |
|                                                        | TOURNEO CONNECT - 1.8 TDCi/TDDi/DI                                                | BHPA, P7PA, P7PB, R2PA                                                            | 2002.06~                                                                            | 1753                                                                                |
|                                                        | TRANSIT Box (FA ) - 2.0 DI (FAE, FAF, FAG)                                        | ABFA                                                                              | 2000.08~2006.05                                                                     | 1998                                                                                |
|                                                        | TRANSIT Bus - 2.2 TDCi                                                            | P8FA, P8FB                                                                        | 2006.04~                                                                            | 2198                                                                                |
|                                                        | TRANSIT Bus (E ) - 2.0 (EBL, EBS, ECL, EDS, EDL, EGL, ESS, ESL, EUS)              | NSF, NSG                                                                          | 1995.09~2000.03                                                                     | 1998                                                                                |
|                                                        | TRANSIT CONNECT (P65, P70, P80) - 1.8 16V                                         | EYPA, EYPC, EYPD                                                                  | 2002.06~                                                                            | 1796                                                                                |
|                                                        | TRANSIT CONNECT (P65, P70, P80) - 1.8 TDCi                                        | RWPA, RWPC, RWPD                                                                  | 2006.08~                                                                            | 1753                                                                                |
| TRANSIT Platform/Chassis (E ) - 2.0 (EME/L/S, ENE/L/S) | NSF, NSG                                                                          | 1994.08~2000.03                                                                   | 1998                                                                                |                                                                                     |
| HONDA                                                  | ACCORD II (AC, AD) - 1.6 EX (AC)                                                  | EZ                                                                                | 1983.09~1985.10                                                                     | 1598                                                                                |
|                                                        | ACCORD II Hatchback (AC, AD) - 1.6 EX (AC)                                        | EZ                                                                                | 1983.09~1985.10                                                                     | 1598                                                                                |
|                                                        | ACCORD III (CA) - 1.6 L (CA4)                                                     | A16A1                                                                             | 1985.11~1989.12                                                                     | 1598                                                                                |
|                                                        | ACCORD III (CA) - 2.0 EX (CA5)                                                    | A20A1                                                                             | 1985.11~1989.12                                                                     | 1955                                                                                |
|                                                        | ACCORD III (CA) - 2.0 i 16V (CA5)                                                 | B20A8                                                                             | 1987.10~1989.12                                                                     | 1958                                                                                |
|                                                        | ACCORD IV (CB) - 2.0 16V (CB3)                                                    | F20A6                                                                             | 1990.01~1993.03                                                                     | 1997                                                                                |
|                                                        | ACCORD IV (CB) - 2.2 i 16V Automatik (CB7)                                        | F22A3                                                                             | 1990.01~1993.03                                                                     | 2156                                                                                |
|                                                        | ACCORD V (CC, CD) - 2.0 i                                                         | F20Z2                                                                             | 1993.03~1996.01                                                                     | 1997                                                                                |
|                                                        | ACCORD V (CC, CD) - 2.3 i SR                                                      | H23A3                                                                             | 1993.03~1996.01                                                                     | 2259                                                                                |
|                                                        | ACCORD V Coupe (CD) - 2.0 (CD9)                                                   | F20B3                                                                             | 1993.09~1997.12                                                                     | 1997                                                                                |
|                                                        | ACCORD VI (CG, CK) - 1.6 i                                                        | D16B6                                                                             | 1998.10~2002.12                                                                     | 1590                                                                                |
|                                                        | ACCORD VI (CG, CK) - 1.8 i                                                        | F18B2                                                                             | 1998.10~2002.12                                                                     | 1850                                                                                |
|                                                        | ACCORD VI (CG, CK) - 2.0 i                                                        | F20B6                                                                             | 1998.10~2001.01                                                                     | 1997                                                                                |
|                                                        | ACCORD VI (CG, CK) - 2.2 Type-R                                                   | H22A7                                                                             | 1999.02~2002.12                                                                     | 2157                                                                                |
|                                                        | ACCORD VI Coupe (CG) - 3.0 V6 24V (CG2)                                           | J30A1                                                                             | 1998.02~2003.06                                                                     | 2997                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
|                                                                                     |              |              |                                                                                     |         |         | GTA0110                                                                             |          |          | GTB0410                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0110                                                                             |          |          | GTB0410                                                                             |       |       |                                                                                     |                                                                                     |
| GT70490                                                                             | GT70950      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT70950                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80490                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80500                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80500                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80500                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80500                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80210                                                                             | GT80220      | GT80230      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60280                                                                             |         |         | GTA0300                                                                             |          |          | GTB0290                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0200                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0310                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0260                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60280                                                                             |         |         | GTA0300                                                                             |          |          | GTB0290                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0280                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0260                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80650                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80390                                                                             | GT80440      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0600                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90030                                                                             | GT90120      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90380                                                                             |              |              | GT90370                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| HONDA         | ACCORD VIII [CU] - 2.0 i                                                          | R20A3                                                                             | 2008.07~                                                                            | 1997                                                                                |
|               | CITY Saloon - 1.3                                                                 | L13A3                                                                             | 2005.10~                                                                            | 1339                                                                                |
|               | CITY Saloon - 1.5 FF                                                              | L15A1                                                                             | 2005.10~                                                                            | 1497                                                                                |
|               | CIVIC III Hatchback [AL, AJ, AG, AH] - 1.2 [AL]                                   | D12B1, ZA2                                                                        | 1984.01~1987.10                                                                     | 1187                                                                                |
|               | CIVIC III Hatchback [AL, AJ, AG, AH] - 1.3 [AG]                                   | EV2                                                                               | 1983.10~1987.10                                                                     | 1342                                                                                |
|               | CIVIC III Hatchback [AL, AJ, AG, AH] - 1.5 GL [AH]                                | EW2                                                                               | 1983.10~1987.10                                                                     | 1488                                                                                |
|               | CIVIC IV Hatchback [EC, ED, EE] - 1.3 [EC8]                                       | D13B1                                                                             | 1987.10~1989.12                                                                     | 1343                                                                                |
|               | CIVIC IV Hatchback [EC, ED, EE] - 1.4 L [EC9]                                     | D14A1                                                                             | 1987.10~1989.12                                                                     | 1396                                                                                |
|               | CIVIC IV Hatchback [EC, ED, EE] - 1.5 i 16V                                       | D15B2                                                                             | 1988.10~1991.09                                                                     | 1493                                                                                |
|               | CIVIC IV Hatchback [EC, ED, EE] - 1.6 i 16V [ED7]                                 | D16A6                                                                             | 1987.10~1991.09                                                                     | 1590                                                                                |
|               | CIVIC IV Hatchback [EC, ED, EE] - 1.6 i 16V Vtec [EE9]                            | B16A1                                                                             | 1989.10~1991.09                                                                     | 1595                                                                                |
|               | CIVIC IV Saloon [ED] - 1.3                                                        | D13B1                                                                             | 1987.10~1989.12                                                                     | 1343                                                                                |
|               | CIVIC IV Saloon [ED] - 1.4 L [ED2]                                                | D14A1                                                                             | 1987.10~1989.12                                                                     | 1396                                                                                |
|               | CIVIC IV Saloon [ED] - 1.5 i 16V                                                  | D15B2                                                                             | 1987.10~1991.09                                                                     | 1493                                                                                |
|               | CIVIC IV Saloon [ED] - 1.6 i 16V [ED4]                                            | D16A6                                                                             | 1987.11~1991.09                                                                     | 1590                                                                                |
|               | CIVIC V Hatchback [EG] - 1.3 16V [EG3]                                            | D13B2                                                                             | 1991.10~1995.11                                                                     | 1343                                                                                |
|               | CIVIC V Hatchback [EG] - 1.5 i 16V [EG4]                                          | D15B2, D15Z1                                                                      | 1991.10~1995.11                                                                     | 1493                                                                                |
|               | CIVIC V Hatchback [EG] - 1.5 i 16V [EG4]                                          | D15B2, D15Z2                                                                      | 1991.10~1995.11                                                                     | 1493                                                                                |
|               | CIVIC V Hatchback [EG] - 1.6 16V Vtec [EG5]                                       | D16Z6                                                                             | 1991.10~1995.11                                                                     | 1590                                                                                |
|               | CIVIC V Hatchback [EG] - 1.6 VTi 16V [EG6]                                        | B16A2                                                                             | 1991.10~1995.11                                                                     | 1595                                                                                |
|               | CIVIC VI Hatchback [EJ, EK] - 1.4 i [EJ9]                                         | D14A3, D14Z1                                                                      | 1995.11~2001.02                                                                     | 1396                                                                                |
|               | CIVIC VI Hatchback [EJ, EK] - 1.6 VTi [EK4]                                       | B16A2                                                                             | 1995.11~2001.02                                                                     | 1595                                                                                |
|               | CIVIC VI Saloon [EJ, EK] - 1.5 i [EK3]                                            | D15Z6                                                                             | 1995.11~2001.02                                                                     | 1493                                                                                |
|               | CIVIC VIII Hatchback [FN, FK] - 1.4                                               | L13A7                                                                             | 2006.01~                                                                            | 1339                                                                                |
|               | CIVIC VIII Hatchback [FN, FK] - 1.8                                               | R18A2                                                                             | 2006.01~                                                                            | 1799                                                                                |
|               | CONCERTO Saloon [HWW] - 1.4                                                       | D14A1                                                                             | 1989.10~1992.10                                                                     | 1396                                                                                |
|               | CR-V I [RD] - 2.0 16V 4WD [RD1, RD3]                                              | B20B                                                                              | 1995.10~1999.01                                                                     | 1973                                                                                |
|               | CR-V III [RE] - 2.0 i 4WD                                                         | R20A2                                                                             | 2007.01~                                                                            | 1997                                                                                |
|               | CRX I [AF, AS] - 1.3                                                              | EV2                                                                               | 1983.10~1987.10                                                                     | 1342                                                                                |
|               | CRX I [AF, AS] - 1.5 i [AF]                                                       | EW3                                                                               | 1983.10~1986.11                                                                     | 1488                                                                                |
|               | CRX I [AF, AS] - 1.6 i 16V [AS]                                                   | ZC1                                                                               | 1986.03~1987.10                                                                     | 1590                                                                                |
|               | CRX II [ED, EE] - 1.6 i 16V [ED9]                                                 | D16Z5                                                                             | 1987.10~1992.02                                                                     | 1590                                                                                |
|               | CRX III [EH, EG] - 1.6 ESi [EH6]                                                  | D16Y8, D16Z6                                                                      | 1992.03~1998.12                                                                     | 1590                                                                                |
|               | CRX III [EH, EG] - 1.6 i VTi [EG2]                                                | B16A2                                                                             | 1992.03~1998.12                                                                     | 1595                                                                                |
|               | FR-V [BE] - 1.8                                                                   | R18A1                                                                             | 2007.01~                                                                            | 1799                                                                                |
|               | HR-V [GH] - 1.6 16V                                                               | D16W1                                                                             | 1999.03~                                                                            | 1590                                                                                |
|               | INTEGRA [DA] - 1.6 [DA1, DA3]                                                     | D16A3                                                                             | 1986.03~1989.08                                                                     | 1590                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GTA0710                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50680                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50680                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80590                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80590                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80590                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50680                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0710                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GHAT-178                                                                            |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0710                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GHAT-178                                                                            |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80590                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80590                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GHAT-178                                                                            |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0600                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| HONDA    | INTEGRA Coupe (DC2, DC4) - 1.8 Type-R                                             | B18C6                                                                             | 1997.11~2001.10                                                                     | 1797                                                                                |
|          | JAZZ II (GD) - 1.2                                                                | L12A1                                                                             | 2002.03~2008.07                                                                     | 1243                                                                                |
|          | JAZZ II (GD) - 1.3                                                                | L13A1                                                                             | 2002.03~2008.07                                                                     | 1339                                                                                |
|          | LEGEND I (HS, KA) - 2.5 i (HS)                                                    | C25A1                                                                             | 1986.01~1987.12                                                                     | 2494                                                                                |
|          | LEGEND I (HS, KA) - 2.7 i 24V (KA4)                                               | C27A1                                                                             | 1988.01~1990.12                                                                     | 2675                                                                                |
|          | LEGEND I Coupe (KA3) - 2.7 i 24V                                                  | C27A1                                                                             | 1987.10~1990.12                                                                     | 2675                                                                                |
|          | LEGEND II (KA7) - 3.2 i 24V                                                       | C32A2                                                                             | 1991.01~1996.02                                                                     | 3206                                                                                |
|          | LEGEND II Coupe (KA8) - 3.2 i 24V                                                 | C32A2                                                                             | 1991.01~1996.02                                                                     | 3206                                                                                |
|          | LEGEND III (KA9) - 3.5 i 24V                                                      | C35A2                                                                             | 1996.02~                                                                            | 3474                                                                                |
|          | LEGEND IV (KB) - 3.5 V6 4WD                                                       | C35A8                                                                             | 2006.05~                                                                            | 3471                                                                                |
|          | LEGEND IV (KB) - 3.7 VTEC V6 4WD                                                  | J37A3                                                                             | 2008.07~                                                                            | 3664                                                                                |
|          | LOGO (GA3) - 1.3                                                                  | D13B7                                                                             | 1999.03~2002.03                                                                     | 1343                                                                                |
|          | NSX Coupe (NA) - 3.0 24V Vtec Automatik (NA1)                                     | C30A4                                                                             | 1990.06~2005.09                                                                     | 2977                                                                                |
|          | NSX Coupe (NA) - 3.2 24V Vtec (NA2)                                               | C32B2                                                                             | 1997.01~2005.09                                                                     | 3179                                                                                |
|          | ODYSSEY (RA) - 2.2 16V                                                            | F22B8                                                                             | 1994.10~1998.02                                                                     | 2156                                                                                |
|          | ODYSSEY (RA) - 2.3 16V                                                            | F23A7                                                                             | 1997.10~2004.06                                                                     | 2254                                                                                |
|          | PRELUDE II (AB) - 1.8 EX                                                          | ET3, ET4                                                                          | 1985.11~1987.04                                                                     | 1829                                                                                |
|          | PRELUDE III (BA) - 2.0 (BA4)                                                      | B20A4                                                                             | 1987.08~1992.01                                                                     | 1958                                                                                |
|          | PRELUDE III (BA) - 2.0 EX (BA4)                                                   | B20A3                                                                             | 1987.04~1992.01                                                                     | 1958                                                                                |
|          | PRELUDE III (BA) - 2.0 i EX 16V                                                   | B20A1                                                                             | 1984.06~1987.12                                                                     | 1958                                                                                |
|          | PRELUDE IV (BB) - 2.0 i 16V (BB3)                                                 | F20A4                                                                             | 1992.02~1996.09                                                                     | 1997                                                                                |
|          | PRELUDE IV (BB) - 2.2 i 16V Vtec (BB1)                                            | H22A2                                                                             | 1993.02~1996.09                                                                     | 2157                                                                                |
|          | PRELUDE IV (BB) - 2.2 i 16V Vtec (BB1)                                            | H22A2                                                                             | 1993.02~1996.09                                                                     | 2157                                                                                |
|          | PRELUDE V (BB) - 2.0 16V (BB9)                                                    | F20A4                                                                             | 1996.10~2000.10                                                                     | 1997                                                                                |
|          | PRELUDE V (BB) - 2.2 16V                                                          | H22A5                                                                             | 1996.10~2000.10                                                                     | 2157                                                                                |
|          | PRELUDE V (BB) - 2.2 16V (BB6, BB8)                                               | H22A2, H22A5                                                                      | 1996.10~2000.10                                                                     | 2157                                                                                |
| HYUNDAI  | ACCENT I (X-3) - 1.3                                                              | G4EH                                                                              | 1994.10~2000.01                                                                     | 1341                                                                                |
|          | ACCENT I (X-3) - 1.5 i 12V                                                        | G4EK                                                                              | 1994.10~2000.01                                                                     | 1495                                                                                |
|          | ACCENT II (LC) - 1.3                                                              | G4EA                                                                              | 2000.01~2005.11                                                                     | 1341                                                                                |
|          | ACCENT II (LC) - 1.3                                                              | G4EH                                                                              | 2002.08~2005.11                                                                     | 1341                                                                                |
|          | ACCENT II (LC) - 1.5                                                              | G4EB                                                                              | 2000.01~2005.11                                                                     | 1495                                                                                |
|          | ACCENT II (LC) - 1.5                                                              | G4EC-G                                                                            | 2000.09~2005.11                                                                     | 1495                                                                                |
|          | ACCENT II (LC) - 1.5 CRDi                                                         | D3EA                                                                              | 2002.04~2005.11                                                                     | 1493                                                                                |
|          | ACCENT II (LC) - 1.6                                                              | G4ED-G                                                                            | 2002.12~2005.11                                                                     | 1599                                                                                |
|          | ACCENT III (MC) - 1.4 GL                                                          | G4EE                                                                              | 2005.11~2010.11                                                                     | 1399                                                                                |
|          | ACCENT III (MC) - 1.5 CRDi GLS                                                    | D4FA                                                                              | 2005.11~2010.11                                                                     | 1493                                                                                |
|          | ACCENT III (MC) - 1.6 GLS                                                         | G4ED                                                                              | 2005.11~2010.11                                                                     | 1599                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2    | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GT80580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50680                                                                             |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50680                                                                             |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT60610                                                                             | GT80550      | GT80850      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT60610                                                                             | GT80550      | GT80850      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80850                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80860                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80860                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90780                                                                             | GT90790      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90760                                                                             |              |              | GT90730                                                                             |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90760                                                                             |              |              | GT90730                                                                             |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90040                                                                             |              |              |                                                                                     |         |         | GTA0600                                                                             |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90770                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90770                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80650                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90120                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90030                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT90030                                                                             | GT90120      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT10022                                                                             |              |              | GT10170                                                                             |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT10022                                                                             |              |              | GT10170                                                                             |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0720                                                                             |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         | GTA0720                                                                             |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT10170                                                                             |         |         |                                                                                     |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT10520                                                                             | GT10510  | GTA0060  | GTA0910                                                                             | GAT10050 |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT10170                                                                             |          | GTA0720  |                                                                                     |          |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT10170                                                                             | GTA0720  | GTA0740  |                                                                                     |          |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |          |       | GAT10070                                                                            |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0720                                                                             |          |          |                                                                                     |          |       |                                                                                     |                                                                                     |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GTA0740                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1002                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1007                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1003                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1007                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0720                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0740                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10520                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0060                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0910                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1005                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1007                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10160                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0060                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10111                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10101                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0320                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GHAT-100                                                                            |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10160                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10170                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0720                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0720                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10160                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0060                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTB0060                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10160                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0720                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0060                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1005                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10520                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0910                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10290                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10300                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10190                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10190                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10031                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1004                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10520                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0910                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10061                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10072                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GHAT-102                                                                            |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GAT1006                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0770                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1006                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0770                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1006                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1006                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GT10240                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              | GT10160                                                                             |         |         | GTA0720                                                                             |          |          | GTB0060                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0060                                                                             |          |          |                                                                                     |       |       |                                                                                     | GAT1005                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1001                                                                             |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT1004                                                                             |
|                                                                                     |              |              |                                                                                     |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10060                                                                             | GT10070      |              | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-101                                                                            |                                                                                     |
| GT10060                                                                             | GT10070      |              | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-101                                                                            |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10150                                                                             |              |              | GT10160                                                                             |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10150                                                                             |              |              | GT10160                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50570                                                                             |              |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50570                                                                             |              |              | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | ATA0910  |          |                                                                                     |       |       |                                                                                     | GAT1007                                                                             |
|                                                                                     |              |              | GT10170                                                                             |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10150                                                                             |              |              | GT10160                                                                             |         |         | GTA0720                                                                             |          |          | GTB0060                                                                             |       |       |                                                                                     |                                                                                     |
| GT10010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10010                                                                             |              |              |                                                                                     |         |         | GTA0770                                                                             |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |



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| OE MAKER      |  |  |  |  |
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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| HYUNDAI       | PORTER Flatbed / Chassis - 2.5 CRDI                                               | D4CB                                                                              | 2004.01~                                                                            | 2497                                                                                |
|               | PORTER Flatbed / Chassis - 2.6 D                                                  | D4BB                                                                              | 2004.01~2006.10                                                                     | 2607                                                                                |
|               | PORTER Platform/Chassis - 2.5 CRDI                                                | D4CB                                                                              | 2004.01~                                                                            | 2497                                                                                |
|               | S COUPE (SLC) - 1.5 i                                                             | G15B, G4DJ                                                                        | 1990.02~1996.05                                                                     | 1468                                                                                |
|               | S COUPE (SLC) - 1.5 i                                                             | G4EK                                                                              | 1992.04~1996.05                                                                     | 1495                                                                                |
|               | S COUPE (SLC) - 1.5 i Turbo                                                       | G4EK-TC                                                                           | 1991.04~1996.05                                                                     | 1495                                                                                |
|               | SANTA FÉ I (SM) - 2.0                                                             | G4BP                                                                              | 2001.08~2006.03                                                                     | 1997                                                                                |
|               | SANTA FÉ I (SM) - 2.0 CRDi                                                        | D4EA                                                                              | 2001.08~2006.03                                                                     | 1991                                                                                |
|               | SANTA FÉ I (SM) - 2.4 16V                                                         | G4JS-G                                                                            | 2001.02~2006.03                                                                     | 2351                                                                                |
|               | SANTA FÉ I (SM) - 2.7 V6 4x4                                                      | G6BA-G                                                                            | 2001.02~2001.10                                                                     | 2656                                                                                |
|               | SANTA FÉ II (CM) - 2.0 CRDi                                                       | D4HA                                                                              | 2010.12~                                                                            | 1995                                                                                |
|               | SANTA FÉ II (CM) - 2.2 CRDi                                                       | D4EB                                                                              | 2006.03~                                                                            | 2188                                                                                |
|               | SANTA FÉ II (CM) - 2.2 CRDi                                                       | D4HB                                                                              | 2009.01~                                                                            | 2199                                                                                |
|               | SANTA FÉ II (CM) - 2.4                                                            | G4KE                                                                              | 2010.11~                                                                            | 2359                                                                                |
|               | SANTA FÉ II (CM) - 2.7                                                            | G6BA                                                                              | 2006.03~                                                                            | 2657                                                                                |
|               | SANTA FÉ III (DM) - 2.0 CRDi                                                      | D4HA                                                                              | 2012.09~                                                                            | 1995                                                                                |
|               | SANTA FÉ III (DM) - 2.2 CRDi                                                      | D4HB                                                                              | 2012.09~                                                                            | 2199                                                                                |
|               | SANTAMO - 2.0 16V 4x4                                                             | G4CP                                                                              | 1999.05~                                                                            | 1997                                                                                |
|               | SONATA II (Y-2) - 1.8 i                                                           | 4G62                                                                              | 1988.09~1993.10                                                                     | 1796                                                                                |
|               | SONATA II (Y-2) - 2.0 i                                                           | G4CP                                                                              | 1988.09~1991.08                                                                     | 1997                                                                                |
|               | SONATA II (Y-2) - 2.4 i                                                           | G4CS                                                                              | 1988.09~1991.08                                                                     | 2351                                                                                |
|               | SONATA II (Y-2) - 3.0 i V6                                                        | G6AT                                                                              | 1991.01~1993.10                                                                     | 2972                                                                                |
|               | SONATA III (Y-3) - 1.8 GLS                                                        | G4DM                                                                              | 1996.07~1998.05                                                                     | 1795                                                                                |
|               | SONATA III (Y-3) - 1.8 i                                                          | G4CM                                                                              | 1993.05~1998.06                                                                     | 1796                                                                                |
|               | SONATA III (Y-3) - 2.0 i                                                          | G4CP                                                                              | 1994.06~1996.08                                                                     | 1997                                                                                |
|               | SONATA III (Y-3) - 3.0 i V6                                                       | G6AT                                                                              | 1993.05~1998.06                                                                     | 2972                                                                                |
|               | SONATA IV (EF) - 2.0 16V                                                          | G4JP-EG                                                                           | 2001.10~2004.11                                                                     | 1997                                                                                |
|               | SONATA IV (EF) - 2.4 16V                                                          | G4BS                                                                              | 1998.03~2001.10                                                                     | 2351                                                                                |
|               | SONATA IV (EF) - 2.5 V6 24V                                                       | G6BV-G                                                                            | 1998.06~2001.10                                                                     | 2493                                                                                |
|               | SONATA IV (EF) - 2.7 V6                                                           | G6BA-G                                                                            | 2001.10~2004.11                                                                     | 2656                                                                                |
|               | SONATA V (NF) - 2.0 CRDi                                                          | D4EA                                                                              | 2006.02~                                                                            | 1991                                                                                |
|               | SONATA V (NF) - 2.0 WTi GLS                                                       | G4KA                                                                              | 2005.05~                                                                            | 1997                                                                                |
|               | SONATA V (NF) - 2.4                                                               | G4KC                                                                              | 2005.01~                                                                            | 2359                                                                                |
|               | TERRACAN (HP) - 2.5 D                                                             | D4BH                                                                              | 2001.06~2003.10                                                                     | 2476                                                                                |
|               | TERRACAN (HP) - 2.9 CRDi 4WD                                                      | J3                                                                                | 2001.12~2006.12                                                                     | 2902                                                                                |
|               | TERRACAN (HP) - 3.5 i V6 4WD                                                      | G6CU                                                                              | 2001.12~2006.12                                                                     | 3497                                                                                |
|               | TRAJET (FO) - 2.0                                                                 | G4GC                                                                              | 2003.11~2008.07                                                                     | 1975                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT      |                                                                                     |
| GTA0750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GAT10060                                                                            |          |                                                                                     |
| GT10010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10022                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10061                                                                             | GT10072      | GT10050      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-102                                                                            |          |                                                                                     |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0910  |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10061                                                                             |              |              | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-102 |                                                                                     |
| GT10111                                                                             |              |              | GT10101                                                                             |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       | GHAT-100                                                                            |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GAT10040                                                                            |          |                                                                                     |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0910  |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GAT10040                                                                            |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GAT10010                                                                            |          |                                                                                     |
| GT10111                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
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|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GAT10040                                                                            |          |                                                                                     |
| GT10032                                                                             | GT10060      | GT10070      | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-101 |                                                                                     |
| GT10031                                                                             | GT10040      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10031                                                                             | GT10060      | GT10070      | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-101 |                                                                                     |
| GT10031                                                                             | GT10120      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10080                                                                             | GT10090      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10032                                                                             | GT10040      | GT10060      | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-101                                                                            |          |                                                                                     |
| GT10032                                                                             | GT10040      | GT10060      | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-101 |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10061                                                                             | GT10072      |              |                                                                                     | GT10050 | GT10360 |                                                                                     | GHAT-102 |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10061                                                                             | GT10072      | GT10120      | GT10050                                                                             |         | GT10360 |                                                                                     | GHAT-102 |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10111                                                                             | GT10120      | GT10180      | GT10101                                                                             |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       | GHAT-100                                                                            |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0910  |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GAT10010                                                                            |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GAT10010                                                                            |          |                                                                                     |
| GT10130                                                                             | GT10140      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40940                                                                             | GT40960 | GT40970 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10061                                                                             | GT10072      | GT10150      | GT10050                                                                             | GT10160 |         | GTA0720                                                                             |          |          | GTB0060                                                                             |       |       | GHAT-102                                                                            |          |                                                                                     |

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| OE MAKER      |     |  |  |  |
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|               |                                                                                      |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                          | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| HYUNDAI       | TRAJET (FO) - 2.0 CRDi                                                               | D4EA                                                                              | 2001.04~2008.07                                                                     | 1991                                                                                |
|               | TRAJET (FO) - 2.7 V6                                                                 | G6BA-G                                                                            | 2000.09~2008.07                                                                     | 2656                                                                                |
|               | TUCSON (JM) - 2.0                                                                    | G4GC                                                                              | 2004.08~2010.03                                                                     | 1975                                                                                |
|               | TUCSON (JM) - 2.0 All-wheel Drive                                                    | G4GC                                                                              | 2004.08~2010.03                                                                     | 1975                                                                                |
|               | TUCSON (JM) - 2.0 CRDi                                                               | D4EA                                                                              | 2004.08~2010.03                                                                     | 1991                                                                                |
|               | TUCSON (JM) - 2.7 All-wheel Drive                                                    | G6BA-G                                                                            | 2004.08~2010.03                                                                     | 2656                                                                                |
|               | XG (XG) - 250                                                                        | G6AV                                                                              | 1998.12~2005.12                                                                     | 2493                                                                                |
|               | XG (XG) - 30                                                                         | G6CT-G                                                                            | 1998.12~2005.12                                                                     | 2972                                                                                |
|               | XG (XG) - 300                                                                        | G6CT                                                                              | 1999.09~2003.09                                                                     | 2972                                                                                |
|               | XG (XG) - 350                                                                        | G6CU                                                                              | 2002.10~2005.12                                                                     | 3497                                                                                |
|               |                                                                                      |                                                                                   |                                                                                     |                                                                                     |
| ISUZU         | GEMINI (JT) - 1.5                                                                    | 4XC1U Kat.                                                                        | 1988.02~1990.12                                                                     | 1481                                                                                |
|               | MIDI Bus (94000, 98000) - 2.0 (98000)                                                | 4ZC1                                                                              | 1989.01~                                                                            | 1995                                                                                |
|               | MIDI Bus (94000, 98000) - 2.0 4WD (94000)                                            | 4ZC1                                                                              | 1989.01~                                                                            | 1995                                                                                |
|               | MIDI Bus (94000, 98000) - 2.2 D (98000)                                              | 4FD1                                                                              | 1989.01~                                                                            | 2189                                                                                |
|               | MIDI Bus (94000, 98000) - 2.4 D (98000)                                              | 4FG1T                                                                             | 1994.01~                                                                            | 2380                                                                                |
|               | TROOPER - 3.5 V6 24V                                                                 | 6VE1                                                                              | 2000.04~                                                                            | 3498                                                                                |
|               | TROOPER (UB) - 3.2                                                                   | 6VD1                                                                              | 1991.08~1998.07                                                                     | 3165                                                                                |
|               | TROOPER (UBS) - 2.8 TD (UBS55)                                                       | 4JB1T                                                                             | 1987.10~1991.12                                                                     | 2772                                                                                |
|               | TROOPER Open Off-Road Vehicle - 3.5 V6 24V                                           | 6VE1                                                                              | 2000.04~                                                                            | 3494                                                                                |
|               | TROOPER Open Off-Road Vehicle (UB) - 3.2                                             | 6VD1                                                                              | 1991.08~1998.07                                                                     | 3165                                                                                |
|               | TROOPER Open Off-Road Vehicle (UBS) - 2.3 (UBS16)                                    | 4ZD1                                                                              | 1985.11~1991.12                                                                     | 2254                                                                                |
|               | TROOPER Open Off-Road Vehicle (UBS) - 2.6 i (UBS17)                                  | 4ZE1                                                                              | 1987.10~1991.12                                                                     | 2559                                                                                |
|               |                                                                                      |                                                                                   |                                                                                     |                                                                                     |
|               |                                                                                      |                                                                                   |                                                                                     |                                                                                     |
| IVECO         | DAILY I Box Body / Estate - 30-8 (10014131, 10014132, 10014137, 10014231, 10014232)  | 8140.61.200                                                                       | 1978.01~1989.12                                                                     | 2445                                                                                |
|               | DAILY I Box Body / Estate - 35-10 (10314204, 10314211, 10314212, 10314217, 10314411) | 8140.21.200                                                                       | 1985.01~1989.12                                                                     | 2445                                                                                |
|               | DAILY I Box Body / Estate - 35-8 (10034131, 10034132, 10034137, 10034224, 10034231)  | 8140.61.200                                                                       | 1978.01~1989.12                                                                     | 2445                                                                                |
|               | DAILY I Box Body / Estate - 40-8 V                                                   | 8140.61.200                                                                       | 1983.01~1989.06                                                                     | 2445                                                                                |
|               | DAILY I Platform/Chassis - 40-8                                                      | 8140.61.200                                                                       | 1983.01~1989.06                                                                     | 2445                                                                                |
|               | DAILY II Box Body / Estate - 30-8 (12914111, 12914112, 12914117, 12914131, 12914137) | 8140.67F.                                                                         | 1989.01~1998.08                                                                     | 2499                                                                                |
|               | DAILY II Dumptruck - 49-10 K (15056204, 15056211, 15056304, 15056311)                | 8140.23.                                                                          | 1996.05~1999.05                                                                     | 2798                                                                                |
|               | DAILY II Platform/Chassis - 35-12 (13110131, 13110211, 13110231, 13110311, 13110312) | 8140.47.2700                                                                      | 1990.01~1996.04                                                                     | 2499                                                                                |
|               | DAILY III Box Body / Estate - 29 L 10 V (ALJA43A2, ALJA42A2, ALJA41A2)               | F1AE0481A                                                                         | 2002.09~                                                                            | 2287                                                                                |
|               | DAILY III Box Body / Estate - 29 L 12 V (ALKA41A2, ALLA52A2, ALKA42A2)               | F1AE0481B                                                                         | 2002.09~                                                                            | 2287                                                                                |
|               | DAILY III Box Body / Estate - 29 L 14                                                | F1AE0481M                                                                         | 2005.01~2006.04                                                                     | 2287                                                                                |
|               | DAILY III Box Body / Estate - 29 L 9 V                                               | 8140.43R                                                                          | 2001.11~2006.04                                                                     | 2798                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT      |                                                                                     |  |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0910  |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT10111                                                                             |              |              | GT10101                                                                             |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       |                                                                                     | GHAT-100 |                                                                                     |  |
| GT10150                                                                             |              |              | GT10160                                                                             |         |         |                                                                                     |          |          | GTB0060                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0060  | GTA0910  |                                                                                     |       |       |                                                                                     | GAT10050 |                                                                                     |  |
| GT10111                                                                             |              |              | GT10101                                                                             |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       |                                                                                     | GHAT-100 |                                                                                     |  |
| GT10111                                                                             |              |              | GT10101                                                                             |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       |                                                                                     | GHAT-100 |                                                                                     |  |
| GT10100                                                                             |              |              | GT10110                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-104 |                                                                                     |  |
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| GT80840                                                                             | GT90070      | GT90430      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT90070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT80840                                                                             | GT90070      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT80840                                                                             | GT90070      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT90115                                                                             | GT90560      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT90110                                                                             |              |              | GT90060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT90150                                                                             |              |              | GT90170                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT90115                                                                             | GT90560      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT90110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT80250                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT80620                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0890                                                                             |          |          | GTB0490                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0490                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0890                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |          |  |
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| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT      |                                                                                     |
| GTB0490                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT60530                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT60530                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0890                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT60520                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTB0490                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0890                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT60520                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT60520                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT60520                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTB0490                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0890                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0200                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0200                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90530                                                                             |                  |                  |                                                                                     |         |         | GTB0370                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0220                                                                             |                  |                  |                                                                                     |         |         | GTB0650                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0220                                                                             |                  |                  |                                                                                     |         |         | GTB0650                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT50580                                                                             | GT80270          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT50580                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0290                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT40930                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0250                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0290                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0290                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0150                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT40930                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90530                                                                             |                  |                  | GTB0370                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GTA0150                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT20040                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT20120                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT20140                                                                             |                  |                  | GT20060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT20050                                                                             |                  |                  | GT20060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT10520                                                                             |                  |                  |                                                                                     |         |         | GT10510                                                                             | GTA0060  | GTA0910  | GAT10050                                                                            |       |       |                                                                                     |          |                                                                                     |
| GT10150                                                                             |                  |                  | GT10160                                                                             |         |         | GTA0720                                                                             |          |          | GTB0060                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT10070 |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GAT10070 |                                                                                     |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| KIA           | CARENS III (UN) - 1.6 CVT                                                         | G4FC                                                                              | 2010.10~                                                                            | 1591                                                                                |
|               | CARENS III (UN) - 2.0 CRDi 115                                                    | D4EA                                                                              | 2007.05~                                                                            | 1991                                                                                |
|               | CARENS III (UN) - 2.0 CVT                                                         | G4KA                                                                              | 2006.09~                                                                            | 1998                                                                                |
|               | CARENS IV - 1.7 CRDi                                                              | D4FD-L                                                                            | 2013.03~                                                                            | 1685                                                                                |
|               | CARNIVAL / GRAND CARNIVAL III (VQ) - 2.2 CRDi                                     | D4HB                                                                              | 2010.01~                                                                            | 2199                                                                                |
|               | CARNIVAL / GRAND CARNIVAL III (VQ) - 2.7 V6                                       | G6EA                                                                              | 2006.06~                                                                            | 2656                                                                                |
|               | CARNIVAL / GRAND CARNIVAL III (VQ) - 2.9 CRDi                                     | J3                                                                                | 2006.06~                                                                            | 2902                                                                                |
|               | CARNIVAL / GRAND CARNIVAL III (VQ) - 2.9 CRDi LX                                  | J3                                                                                | 2006.09~                                                                            | 2902                                                                                |
|               | CARNIVAL I (UP) - 2.5 V6                                                          | KRV6                                                                              | 1999.08~2001.10                                                                     | 2497                                                                                |
|               | CARNIVAL I (UP) - 2.9 TD                                                          | J3                                                                                | 1999.08~2001.10                                                                     | 2903                                                                                |
|               | CARNIVAL II (GQ) - 2.5 V6                                                         | K5                                                                                | 2001.10~                                                                            | 2497                                                                                |
|               | CARNIVAL II (GQ) - 2.9 CRDi                                                       | J3                                                                                | 2001.10~                                                                            | 2902                                                                                |
|               | CARNIVAL II (GQ) - 3.5                                                            | G6CU                                                                              | 2002.07~                                                                            | 3497                                                                                |
|               | CEE'D - 1.4 CRDi 90                                                               | D4FC                                                                              | 2012.05~                                                                            | 1396                                                                                |
|               | CEE'D - 1.6 CRDi 115                                                              | D4FB                                                                              | 2012.05~                                                                            | 1582                                                                                |
|               | CEE'D - 1.6 CRDi 128                                                              | D4FB                                                                              | 2012.05~                                                                            | 1582                                                                                |
|               | CEE'D - 1.6 CRDi 90                                                               | D4FB-L                                                                            | 2012.05~                                                                            | 1582                                                                                |
|               | CEE'D Hatchback (ED) - 1.6 CRDi 115                                               | D4FB                                                                              | 2006.12~                                                                            | 1582                                                                                |
|               | CEE'D Hatchback (ED) - 1.6 CRDi 128                                               | D4FB                                                                              | 2010.10~                                                                            | 1582                                                                                |
|               | CEE'D Hatchback (ED) - 1.6 CRDi 90                                                | D4FB-L                                                                            | 2006.12~                                                                            | 1582                                                                                |
|               | CEE'D Hatchback (ED) - 2.0                                                        | G4GC                                                                              | 2006.12~                                                                            | 1975                                                                                |
|               | CEE'D Hatchback (ED) - 2.0 CRDi                                                   | D4EA                                                                              | 2007.09~                                                                            | 1991                                                                                |
|               | CERATO (LD) - 2.0                                                                 | G4GC                                                                              | 2004.04~                                                                            | 1975                                                                                |
|               | CERATO Saloon (LD) - 1.5 CRDi                                                     | D4FA                                                                              | 2005.07~                                                                            | 1493                                                                                |
|               | CERATO Saloon (LD) - 1.6                                                          | G4FC                                                                              | 2006.05~                                                                            | 1591                                                                                |
|               | CERATO Saloon (LD) - 1.6 CRDi                                                     | D4FB                                                                              | 2005.06~                                                                            | 1582                                                                                |
|               | CERATO Saloon (LD) - 2.0                                                          | G4GC                                                                              | 2004.04~                                                                            | 1975                                                                                |
|               | CERATO Saloon (LD) - 2.0 CRDi                                                     | D4EA                                                                              | 2004.04~                                                                            | 1991                                                                                |
|               | FORTE - 1.8 CVT                                                                   | Nu D-CVT 1.8                                                                      |                                                                                     |                                                                                     |
|               | JOICE - 2.0                                                                       | G4CP                                                                              | 2001.09~                                                                            | 1997                                                                                |
|               | LOTZE (MG) - 2.0                                                                  | G4KA                                                                              | 2005.11~                                                                            | 1998                                                                                |
|               | LOTZE (MG) - 2.0 CRDi                                                             | D4EA                                                                              | 2005.11~2008.12                                                                     | 1991                                                                                |
|               | LOTZE (MG) - 2.7                                                                  | G6EA                                                                              | 2005.11~                                                                            | 2656                                                                                |
|               | MAGENTIS (GD) - 2.0                                                               | G4JP                                                                              | 2001.05~                                                                            | 1997                                                                                |
|               | MAGENTIS (GD) - 2.5 V6                                                            | G6BV                                                                              | 2001.05~                                                                            | 2493                                                                                |
|               | MORNING (BA) - 1.0                                                                | G4HE                                                                              | 2004.04~                                                                            | 999                                                                                 |
|               | MORNING (BA) - 1.1                                                                | G4HG                                                                              | 2004.04~                                                                            | 1086                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |  | ADT      |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|--|----------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               |  |          |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10020 |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0060  | GTA0910  |                                                                                     |       |       |                                                                                     |  | GAT10050 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10010 |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10040 |
| GT10111                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              | GT40940                                                                             | GT40960 |         | GTA0870                                                                             |          |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              |                                                                                     |         |         | GTA0870                                                                             |          |          |                                                                                     |       |       |                                                                                     |  |          |
| GT20150                                                                             | GT20160      | GT90720      | GT20070                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              | GT20110                                                                             | GT40940 | GT40960 | GTA0870                                                                             |          |          |                                                                                     |       |       |                                                                                     |  |          |
| GT20150                                                                             | GT20160      | GT90720      | GT20070                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              | GT20110                                                                             | GT40960 |         | GTA0870                                                                             |          |          |                                                                                     |       |       |                                                                                     |  |          |
| GT10321                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              | GT10160                                                                             |         |         |                                                                                     |          |          | GTB0060                                                                             |       |       |                                                                                     |  |          |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             |          |          |                                                                                     |       |       |                                                                                     |  |          |
| GT10150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
|                                                                                     |              |              | GT10170                                                                             |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |  | GAT10020 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10070 |
| GT10150                                                                             |              |              | GT10160                                                                             |         |         | GTA0720                                                                             |          |          | GTB0060                                                                             |       |       |                                                                                     |  |          |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0910  |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10030 |
| GT10060                                                                             | GT10072      |              | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  | GAT10010 |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0060  | GTA0910  |                                                                                     |       |       |                                                                                     |  | GAT10050 |
| GT10111                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
| GT10061                                                                             | GT10072      |              | GT10050                                                                             | GT10360 |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-102                                                                            |  |          |
| GT10111                                                                             |              |              | GT10101                                                                             |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       | GHAT-100                                                                            |  |          |
| GT10240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |
| GT10240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |  |          |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| KIA           | MORNING (BA) - 1.1 CRDi                                                           | D3FA                                                                              | 2005.11~                                                                            | 1120                                                                                |
|               | OPTIMA - 1.7 CRDi                                                                 | D4FD-L                                                                            | 2012.03~                                                                            | 1685                                                                                |
|               | OPTIMA - 2.0                                                                      | G4KD                                                                              | 2012.03~                                                                            | 1999                                                                                |
|               | PRIDE (DA) - 1.1 i                                                                | B1                                                                                | 1991.01~                                                                            | 1138                                                                                |
|               | PRIDE (DA) - 1.3 16V                                                              | B3                                                                                | 1990.01~                                                                            | 1324                                                                                |
|               | PRO CEEꝑD - 1.6 CRDi                                                              | D4FB                                                                              | 2013.03~                                                                            | 1582                                                                                |
|               | PRO CEE'D (ED) - 1.6 CRDi 115                                                     | D4FB                                                                              | 2008.02~                                                                            | 1582                                                                                |
|               | PRO CEE'D (ED) - 1.6 CRDi 128                                                     | D4FB                                                                              | 2010.10~                                                                            | 1582                                                                                |
|               | PRO CEE'D (ED) - 1.6 CRDi 90                                                      | D4FB-L                                                                            | 2008.02~                                                                            | 1582                                                                                |
|               | PRO CEE'D (ED) - 2.0                                                              | G4GC                                                                              | 2008.02~                                                                            | 1975                                                                                |
|               | RETONA (CE) - 2.0 TD                                                              | RF                                                                                | 1999.06~                                                                            | 1998                                                                                |
|               | RIO II (JB) - 1.4 16V                                                             | G4EE                                                                              | 2005.03~                                                                            | 1399                                                                                |
|               | RIO II (JB) - 1.5 CRDi                                                            | D4FA                                                                              | 2008.06~                                                                            | 1493                                                                                |
|               | RIO II (JB) - 1.6 CVT                                                             | G4ED                                                                              | 2005.03~                                                                            | 1599                                                                                |
|               | RIO III (UB) - 1.1 CRDi                                                           | D3FA                                                                              | 2011.09~                                                                            | 1120                                                                                |
|               | RIO III (UB) - 1.4 CRDi                                                           | D4FC                                                                              | 2011.09~                                                                            | 1396                                                                                |
|               | RIO III (UB) - 1.4 CVT                                                            | G4FA                                                                              | 2011.09~                                                                            | 1396                                                                                |
|               | RIO Saloon (DC) - 1.3                                                             | A3E                                                                               | 2000.09~2005.02                                                                     | 1343                                                                                |
|               | RIO Saloon (DC) - 1.5 16V                                                         | A5D                                                                               | 2000.09~                                                                            | 1493                                                                                |
|               | SEPHIA (FA) - 1.5 i                                                               | B5                                                                                | 1996.02~1997.10                                                                     | 1498                                                                                |
|               | SEPHIA (FA) - 1.6 i                                                               | B6                                                                                | 1995.01~1997.10                                                                     | 1598                                                                                |
|               | SEPHIA (FA) - 1.8 i 16V                                                           | OK24N, OK26Y                                                                      | 1995.01~1997.10                                                                     | 1793                                                                                |
|               | SHUMA II (FB) - 1.6                                                               | GA6D                                                                              | 2001.05~2004.08                                                                     | 1594                                                                                |
|               | SHUMA II (FB) - 1.8                                                               | T8                                                                                | 2003.04~2004.08                                                                     | 1793                                                                                |
|               | SORENTO I (JC) - 2.4                                                              | G4JS                                                                              | 2002.08~                                                                            | 2351                                                                                |
|               | SORENTO I (JC) - 2.5 CRDi                                                         | D4CB                                                                              | 2002.08~                                                                            | 2497                                                                                |
|               | SORENTO I (JC) - 3.5 V6                                                           | G6CU                                                                              | 2002.08~                                                                            | 3497                                                                                |
|               | SORENTO II (XM) - 2.0 CRDi                                                        | D4HA                                                                              | 2010.11~                                                                            | 1995                                                                                |
|               | SORENTO II (XM) - 2.2 CRDi                                                        | D4HB                                                                              | 2009.11~                                                                            | 2199                                                                                |
|               | SORENTO II (XM) - 2.4 CVT                                                         | G4KE                                                                              | 2009.11~                                                                            | 2359                                                                                |
|               | SOUL (AM) - 1.6 CRDi 115                                                          | D4FB                                                                              | 2009.02~                                                                            | 1582                                                                                |
|               | SOUL (AM) - 1.6 CRDi 128                                                          | D4FB                                                                              | 2009.02~                                                                            | 1582                                                                                |
|               | SOUL II (PS) - 1.6 CRDi 128                                                       | D4FB                                                                              | 2014.02~                                                                            | 1582                                                                                |
|               | SPORTAGE (JE, KM) - 2.0 CRDi                                                      | D4EA                                                                              | 2005.02~                                                                            | 1991                                                                                |
|               | SPORTAGE (JE, KM) - 2.0 i 16V                                                     | G4GC                                                                              | 2004.09~                                                                            | 1975                                                                                |
|               | SPORTAGE (JE, KM) - 2.7 V6 4WD                                                    | G6BA                                                                              | 2004.09~                                                                            | 2656                                                                                |
|               | SPORTAGE (K00) - 2.0 i 16V                                                        | FE(16V)                                                                           | 1999.10~2003.08                                                                     | 1998                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10010                                                                            |  |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              | GT10160                                                                             |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT10170                                                                             |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              | GT10170                                                                             |         |         | GTA0720                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10020                                                                            |  |
| GT20040                                                                             |              |              |                                                                                     |         |         | GTA0750                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20050                                                                             |              |              | GT20060                                                                             |         |         | GTA0750                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20040                                                                             |              |              |                                                                                     |         |         | GTA0750                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20040                                                                             |              |              |                                                                                     |         |         | GTA0750                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20140                                                                             |              |              | GT20060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT20140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT10061                                                                             | GT10072      |              | GT10050                                                                             | GT10360 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GHAT-102                                                                            |  |
|                                                                                     |              |              | GT10390                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10060                                                                            |  |
| GT10090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10040                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10040                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10010                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |  |
|                                                                                     |              |              | GT10520                                                                             |         |         | GT10510                                                                             | GTA0060  | GTA0910  |                                                                                     |       |       |                                                                                     |     | GAT10050                                                                            |  |
| GT10150                                                                             |              |              | GT10160                                                                             |         |         | GTA0720                                                                             |          |          | GTB0060                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT10111                                                                             |              |              | GT10101                                                                             |         |         | GTA0320                                                                             |          |          |                                                                                     |       |       |                                                                                     |     | GHAT-100                                                                            |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0770                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |



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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| VEHICLE MODEL | ENGINE TYPE                                                                       | YEAR FROM ~ TO                                                                    | DISPLACEMENT CC                                                                     |                                                                                     |
| KIA           | SPORTAGE (K00) - 2.0 i 4WD                                                        | FE(8V)                                                                            | 1994.04~1999.08                                                                     | 1998                                                                                |
|               | SPORTAGE (K00) - 2.0 TD 4WD                                                       | RF                                                                                | 1997.10~2003.08                                                                     | 1998                                                                                |
|               | SPORTAGE (K00) - 2.2 D 4WD                                                        | FE(8V)                                                                            | 1994.08~1999.04                                                                     | 2184                                                                                |
|               | SPORTAGE (SL) - 1.7 CRDi                                                          | D4FD-L                                                                            | 2010.12~                                                                            | 1685                                                                                |
|               | SPORTAGE (SL) - 2.0 CRDi                                                          | D4HA                                                                              | 2010.07~                                                                            | 1995                                                                                |
|               | SPORTAGE (SL) - 2.0 CWT                                                           | G4KD                                                                              | 2010.07~                                                                            | 1998                                                                                |
|               | VENGA (YN) - 1.4 CRDi 75                                                          | D4FC                                                                              | 2010.02~                                                                            | 1396                                                                                |
|               | VENGA (YN) - 1.6 CRDi 115                                                         | D4FB                                                                              | 2010.02~                                                                            | 1582                                                                                |
|               | VENGA (YN) - 1.6 CRDi 128                                                         | D4FB                                                                              | 2010.02~                                                                            | 1582                                                                                |
| LADA          | 110 - 1.5                                                                         | BA3 2111                                                                          | 1995.01~                                                                            | 1499                                                                                |
|               | 110 - 1.6                                                                         | VAZ-21114                                                                         | 2000.01~                                                                            | 1596                                                                                |
|               | 110 - 2.0 i                                                                       | C 20 XE                                                                           | 1996.08~                                                                            | 1998                                                                                |
|               | 111 - 1.5                                                                         | VAZ-2111                                                                          | 2000.10~                                                                            | 1499                                                                                |
|               | 111 - 1.5 16V                                                                     | VAZ-2112                                                                          | 2000.10~                                                                            | 1499                                                                                |
|               | 111 - 1.6                                                                         | VAZ-21114                                                                         | 2005.01~                                                                            | 1596                                                                                |
|               | 112 - 1.5                                                                         | VAZ-2111                                                                          | 2000.10~                                                                            | 1499                                                                                |
|               | 112 - 1.5 16V                                                                     | VAZ-2112                                                                          | 2000.10~                                                                            | 1499                                                                                |
|               | KALINA Hatchback (1119) - 1.6                                                     | VAZ-21114                                                                         | 2004.10~                                                                            | 1596                                                                                |
|               | NIVA (2121) - 1900 Diesel                                                         | XUD9A                                                                             | 1993.01~                                                                            | 1905                                                                                |
|               | SAMARA (2108, 2109, 2115) - 1100                                                  | BA3 21081                                                                         | 1988.02~1994.12                                                                     | 1100                                                                                |
|               | SAMARA (2108, 2109, 2115) - 1300                                                  | BA3 2108                                                                          | 1991.09~                                                                            | 1288                                                                                |
|               | SAMARA (2108, 2109, 2115) - 1500                                                  | BA3 21083                                                                         | 1991.09~                                                                            | 1500                                                                                |
|               | SAMARA (2108, 2109, 2115) - 1500                                                  | BA3 2111                                                                          | 1995.02~                                                                            | 1499                                                                                |
|               | DEDRA (835) - 1.6 16V (835EI)                                                     | 182 A4.000                                                                        | 1996.01~1999.07                                                                     | 1581                                                                                |
|               | DEDRA (835) - 1.6 i.e. (835AN)                                                    | 835 C1.000                                                                        | 1993.04~1999.07                                                                     | 1581                                                                                |
| LANCIA        | DEDRA (835) - 1.6 i.e. (835AN)                                                    | DEDRA (835) 1.6 i.e. (835AN)                                                      | 1993.04~1999.07                                                                     | 1581                                                                                |
|               | DEDRA (835) - 1.8 16V LE (835FG)                                                  | 182 A2.000                                                                        | 1996.03~1999.07                                                                     | 1747                                                                                |
|               | DEDRA (835) - 1.8 GT 16V (835EH)                                                  | 183 A1.000                                                                        | 1996.03~1999.07                                                                     | 1747                                                                                |
|               | DEDRA (835) - 1.9 TDS (835EE, 835EF)                                              | 160 D1.000, 835 A4.000, 835 A4.046                                                | 1989.04~1999.07                                                                     | 1929                                                                                |
|               | DEDRA (835) - 2.0 16V (835ED)                                                     | 836 A3.000                                                                        | 1994.07~1999.07                                                                     | 1995                                                                                |
|               | DEDRA SW (835) - 1.6 (835EB)                                                      | 159 B9.000                                                                        | 1994.10~1999.07                                                                     | 1581                                                                                |
|               | DEDRA SW (835) - 1.6 16V (835EI)                                                  | 182 A4.000                                                                        | 1996.01~1999.07                                                                     | 1581                                                                                |
|               | DELTA I (831AB0) - 1.1 (831AB.015)                                                | 831 B8.000                                                                        | 1986.01~1990.12                                                                     | 1116                                                                                |
|               | DELTA I (831AB0) - 1.5 (831AB.025)                                                | 831 A1.000, 831 B1.000                                                            | 1979.09~1992.12                                                                     | 1498                                                                                |
|               | DELTA I (831AB0) - 1.6 GT i.e. (831AB.010)                                        | 149 C2.000                                                                        | 1987.05~1992.08                                                                     | 1585                                                                                |
|               | DELTA I (831AB0) - 2.0 16V HF Integrale (831AB.026)                               | 831 D5.000                                                                        | 1989.03~1991.09                                                                     | 1995                                                                                |

|  |               |               |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|---------------|---------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN- SIONER 1                                                                       | TEN- SIONER 2 | TEN- SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT20010                                                                             |               |               | GT20030                                                                             | GT20020 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20130                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT20030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10040                                                                            |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10010                                                                            |
|                                                                                     |               |               |                                                                                     |         |         | GTA0070                                                                             |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GAT10070                                                                            |
| GT60930                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60580                                                                             | GT90540 |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60930                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60930                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50570                                                                             | GT60130       |               | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50930                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50930                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50930                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60930                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT70740                                                                             | GT80290 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60680                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT70740                                                                             | GT60680 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60680                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |               |               | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70430                                                                             | GT70450       | GT70460       |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |               |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| LANCIA        | DELTA II (836) - 1.4 i.e. (836AF, 836AH)                                          | 160 A1.046, 836 A4.000                                                            | 1994.10~1999.08                                                                     | 1372                                                                                |
|               | DELTA II (836) - 1.6 i.e. (836AD)                                                 | 835 C1.000                                                                        | 1993.06~1999.08                                                                     | 1581                                                                                |
|               | DELTA II (836) - 1.6 i.e. (836AP)                                                 | 182 A6.000                                                                        | 1996.03~1999.08                                                                     | 1581                                                                                |
|               | DELTA II (836) - 1.8 i.e. 16V (836AQ)                                             | 182 A2.000                                                                        | 1996.03~1999.08                                                                     | 1747                                                                                |
|               | DELTA II (836) - 1.8 i.e. 16V GT (836AR)                                          | 183 A1.000                                                                        | 1996.03~1999.08                                                                     | 1747                                                                                |
|               | DELTA II (836) - 2.0 16V (836AA, 836CA)                                           | 836 A3.000                                                                        | 1993.06~1999.08                                                                     | 1995                                                                                |
|               | DELTA III (844) - 1.4                                                             | 198 A4.000                                                                        | 2008.09~                                                                            | 1368                                                                                |
|               | DELTA III (844) - 1.6 D Multijet                                                  | 944 A 3.000                                                                       | 2011.04~                                                                            | 1598                                                                                |
|               | DELTA III (844) - 1.8                                                             | 939 B1.000                                                                        | 2009.01~2014.08                                                                     | 1742                                                                                |
|               | KAPPA (838) - 2.0 20V (838AA1AA)                                                  | 838 A1.000                                                                        | 1994.10~2001.10                                                                     | 1998                                                                                |
|               | KAPPA (838) - 2.4 20V (838AC1AA, 838AC11A)                                        | 838 A2.000, 838 A2.027                                                            | 1994.08~2001.10                                                                     | 2446                                                                                |
|               | KAPPA (838A) - 2.0 16V Turbo (838AB1AA)                                           | 838 A4.000                                                                        | 1995.02~2001.10                                                                     | 1995                                                                                |
|               | KAPPA (838A) - 2.0 20V (838AA1AA)                                                 | 838 A1.000                                                                        | 1994.10~2001.10                                                                     | 1998                                                                                |
|               | KAPPA (838A) - 2.4 20V (838AC1AA, 838AC11A)                                       | 838 A2.000, 838 A2.027                                                            | 1994.08~2001.10                                                                     | 2446                                                                                |
|               | KAPPA (838A) - 2.4 T.DS (838AE1AA, 838AH1AA)                                      | 838 A3.000, 838 A7.000                                                            | 1994.08~2001.10                                                                     | 2387                                                                                |
|               | KAPPA (838A) - 3.0 24V (838AD1AA, 838AD11A, 838XD1AA, 838ZD1AA)                   | 838 B.000                                                                         | 1994.08~2001.10                                                                     | 2959                                                                                |
|               | KAPPA Coupe (838) - 2.0 20V                                                       | 838 A6.000                                                                        | 1996.07~2001.03                                                                     | 1998                                                                                |
|               | KAPPA Coupe (838) - 2.0 20V Turbo (838CM)                                         | 175 A3.000                                                                        | 1998.06~2001.03                                                                     | 1998                                                                                |
|               | KAPPA Coupe (838) - 2.4 20V (838CC)                                               | 838 A2.000                                                                        | 1996.11~2001.03                                                                     | 2446                                                                                |
|               | KAPPA SW (838) - 2.0 20V Turbo (838BM1AA)                                         | 175 A3.000                                                                        | 1998.06~2001.10                                                                     | 1998                                                                                |
|               | LYBRA (839) - 1.8 16V (839AXB1A, 839AXG1A)                                        | 839 A4.000, 839 A7.000, 839 A9.000                                                | 1999.07~2005.10                                                                     | 1747                                                                                |
|               | LYBRA (839) - 2.0 20V (839AXC11, 839AXC1A)                                        | 182 B7.000                                                                        | 1999.07~2000.09                                                                     | 1998                                                                                |
|               | LYBRA (839) - 2.0 20V (839AXH1A)                                                  | 185 A8.000                                                                        | 2000.09~2005.10                                                                     | 1998                                                                                |
|               | LYBRA (839) - 2.4 20V                                                             | 192 A2.000                                                                        | 2001.10~2005.10                                                                     | 2446                                                                                |
|               | LYBRA (839AX) - 1.6 16V (839AXA1A)                                                | 182 A4.000                                                                        | 1999.07~2005.10                                                                     | 1581                                                                                |
|               | LYBRA (839AX) - 1.8 16V (839AXB1A, 839AXG1A)                                      | 839 A4.000, 839 A7.000, 839 A9.000                                                | 1999.07~2005.10                                                                     | 1747                                                                                |
|               | LYBRA (839AX) - 1.9 JTD                                                           | 937 A2.000                                                                        | 2001.05~2005.10                                                                     | 1910                                                                                |
|               | LYBRA (839AX) - 1.9 JTD (839AXD1A)                                                | AR 32302                                                                          | 1999.07~2000.09                                                                     | 1910                                                                                |
|               | LYBRA (839AX) - 2.0 20V (839AXH1A)                                                | 185 A8.000                                                                        | 2000.09~2005.10                                                                     | 1998                                                                                |
|               | LYBRA SW (839) - 1.8 16V (839BXB1A, 839BXG1A)                                     | 839 A4.000, 839 A7.000                                                            | 1999.07~2005.10                                                                     | 1747                                                                                |
|               | LYBRA SW (839) - 2.0 20V (839BXH1A)                                               | 185 A8.000                                                                        | 2000.09~2005.10                                                                     | 1998                                                                                |
|               | LYBRA SW (839BX) - 1.6 16V (839BXA1A)                                             | 182 A4.000                                                                        | 1999.07~2005.10                                                                     | 1581                                                                                |
|               | LYBRA SW (839BX) - 2.0 20V (839BXC11, 839BXC1A)                                   | 182 B7.000                                                                        | 1999.07~2000.09                                                                     | 1998                                                                                |
|               | LYBRA SW (839BX) - 2.4 JTD                                                        | 841 C.000                                                                         | 2002.05~2005.10                                                                     | 2387                                                                                |

|  |              |              |  |         |         |  |          |          |  |         |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT70740                                                                             | GT80290 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          | GTB0550                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0550                                                                             | GTB0560 |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0580                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0270                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60540                                                                             |         |         | GTA0290                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50500                                                                             |         |         | GTA0180                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0030                                                                             |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT70820                                                                             |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0560                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70740                                                                             |         |         | GTA0290                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT70820                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |                                                                                     |
| GTA0030                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT70430                                                                             | GT70450      | GT70460      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT70430                                                                             | GT70450      | GT70460      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT70440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0590                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |                                                                                     |
| GTA0270                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0270                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GTA0150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0570                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0570                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT70420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT70420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0480                                                                             |       |       |                                                                                     |                                                                                     |
| GT50510                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |                                                                                     |
| GT60070    GT60080                                                                  |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |

Application Guide by OE Manufacturers

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|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER            | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| LANCIA              | ZETA (220) - 2.0 JTD (220AN5)                                                     | RHW(DW10ATED4)                                                                    | 1999.09~2002.09                                                                     | 1997                                                                                |
|                     | ZETA (220) - 2.0 Turbo (220AD5, 220CD5)                                           | RGX                                                                               | 1995.05~2002.09                                                                     | 1998                                                                                |
|                     | ZETA (220) - 2.1 TD (220AJ5)                                                      | P 8 C                                                                             | 1996.05~1999.09                                                                     | 2088                                                                                |
| LDV                 | CUB - 2.3 D                                                                       | LD23                                                                              | 1998.08~2001.09                                                                     | 2283                                                                                |
|                     | MAXUS Bus - 2.5 D                                                                 | VM39C, VM40C                                                                      | 2005.02~2008.12                                                                     | 2499                                                                                |
| LEXUS               | ES (F1, F2) - 300                                                                 | 3VZ-FE                                                                            | 1991.09~1997.12                                                                     | 2959                                                                                |
|                     | GS (GRS19, UZS19, GWS19) - 430                                                    | 3UZ-FE                                                                            | 2005.04~2011.11                                                                     | 4293                                                                                |
|                     | GS (JZS147) - 300                                                                 | 2JZ-GE                                                                            | 1993.03~1997.08                                                                     | 2997                                                                                |
|                     | GS (UZS161, JZS160) - 300                                                         | 2JZ-GE                                                                            | 2000.10~2005.03                                                                     | 2997                                                                                |
|                     | GS (UZS161, JZS160) - 430                                                         | 3UZ-FE                                                                            | 2000.11~2005.03                                                                     | 4293                                                                                |
|                     | IS I (JCE1, GXE1) - 200                                                           | 1G-FE                                                                             | 1999.04~2005.07                                                                     | 1988                                                                                |
|                     | IS I (JCE1, GXE1) - 300                                                           | 2JZ-GE                                                                            | 2001.09~2005.07                                                                     | 2997                                                                                |
|                     | IS SportCross - 200                                                               | 1G-FE                                                                             | 2002.10~2005.10                                                                     | 1988                                                                                |
|                     | LS (UCF10) - 400                                                                  | 1UZ-FE                                                                            | 1989.12~1994.12                                                                     | 3969                                                                                |
|                     | LS (UCF30) - 430                                                                  | 3UZ-FE                                                                            | 2000.10~2006.08                                                                     | 4293                                                                                |
|                     | LX (UZJ100) - 470                                                                 | 2UZ-FE                                                                            | 2001.09~2008.03                                                                     | 4664                                                                                |
|                     | RX (MCU15) - 300 AWD                                                              | 1MZ-FE                                                                            | 2000.10~2003.05                                                                     | 2995                                                                                |
|                     | RX (MHU3, GSU3, MCU3) - 300                                                       | 1MZ-FE                                                                            | 2003.05~2008.12                                                                     | 2995                                                                                |
|                     | RX (MHU3, GSU3, MCU3) - 400h                                                      | 3MZ-FE                                                                            | 2005.09~2008.12                                                                     | 3311                                                                                |
|                     | RX (MHU3, GSU3, MCU3) - 400h AWD                                                  | 3MZ-FE                                                                            | 2004.09~2008.12                                                                     | 3311                                                                                |
|                     | SC (UZZ40) - 430                                                                  | 3UZ-FE                                                                            | 2001.05~2010.09                                                                     | 4293                                                                                |
| LTI                 | TX - 2.5 TD                                                                       | R 425 DOHC                                                                        | 2006.01~                                                                            | 2499                                                                                |
| MAZDA               | 121 I (DA) - 1.1                                                                  | B1, B116                                                                          | 1987.10~1990.10                                                                     | 1139                                                                                |
|                     | 121 I (DA) - 1.3                                                                  | B3                                                                                | 1989.04~1990.10                                                                     | 1324                                                                                |
|                     | 121 II (DB) - 1.3 16V                                                             | B3(16V)                                                                           | 1990.11~1996.03                                                                     | 1324                                                                                |
|                     | 121 III (JASM, JBSM) - 1.25                                                       | DHF, DHG                                                                          | 1996.03~2003.04                                                                     | 1242                                                                                |
|                     | 121 III (JASM, JBSM) - 1.3                                                        | JKJ, JJM                                                                          | 1996.03~2003.04                                                                     | 1299                                                                                |
|                     | 121 III (JASM, JBSM) - 1.8 D                                                      | RTJ, RTK                                                                          | 1996.03~2003.04                                                                     | 1753                                                                                |
|                     | 2 (DE) - 1.4 MZR-CD                                                               | Y404                                                                              | 2008.01~                                                                            | 1399                                                                                |
|                     | 2 (DE) - 1.6 MZ-CD                                                                | Y655, Y661                                                                        | 2011.06~                                                                            | 1560                                                                                |
|                     | 2 (DY) - 1.25                                                                     | FUJA                                                                              | 2003.04~                                                                            | 1242                                                                                |
|                     | 2 (DY) - 1.4                                                                      | FXJA                                                                              | 2003.04~                                                                            | 1388                                                                                |
|                     | 2 (DY) - 1.4 CD                                                                   | F6JA, F6JB                                                                        | 2003.04~                                                                            | 1399                                                                                |
|                     | 2 (DY) - 1.6                                                                      | FYJA                                                                              | 2003.04~                                                                            | 1596                                                                                |
|                     | 3 (BK) - 1.6 DI Turbo                                                             | Y601                                                                              | 2004.06~2009.06                                                                     | 1560                                                                                |
| 3 (BK) - 2.0 MZR-CD | RF7J                                                                              | 2006.12~2009.06                                                                   | 1998                                                                                |                                                                                     |
| 3 (BL) - 1.6 MZR CD | Y601                                                                              | 2008.12~                                                                          | 1560                                                                                |                                                                                     |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT30610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80740                                                                             |              | GT80770      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0220                                                                             |          |          | GTB0650                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80540                                                                             |              | GT80680      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90830                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90830                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90940                                                                             |              | GT90250      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90830                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90940                                                                             |              | GT90250      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90090                                                                             |              | GT90050      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80540                                                                             |              | GT80680      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60620                                                                             |              | GT60630      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60620                                                                             |              | GT60630      |                                                                                     | GT80540 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60620                                                                             |              | GT60630      |                                                                                     | GT80540 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0650                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0110                                                                             |          |          | GTB0410                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         | GTA0110                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80210                                                                             |              |              | GT80230                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0410                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0410                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0140                                                                             |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0410                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTB0200                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70960                                                                             |         | GT70970 |                                                                                     | GHAT-174 |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| MAZDA         | 3 Saloon (BK) - 1.6 DI Turbo                                                      | Y601                                                                              | 2004.06~                                                                            | 1560                                                                                |
|               | 323 C IV (BG) - 1.3                                                               | B3E                                                                               | 1989.09~1994.07                                                                     | 1324                                                                                |
|               | 323 C IV (BG) - 1.6                                                               | B6E                                                                               | 1989.09~1991.06                                                                     | 1598                                                                                |
|               | 323 C IV (BG) - 1.8 16V 4WD                                                       | BP                                                                                | 1991.11~1993.12                                                                     | 1840                                                                                |
|               | 323 C IV (BG) - 1.8 16V GT                                                        | BP(DOHC)                                                                          | 1989.09~1993.03                                                                     | 1840                                                                                |
|               | 323 C V (BA) - 1.5 16V                                                            | Z5-DE                                                                             | 1994.08~1998.09                                                                     | 1489                                                                                |
|               | 323 C V (BA) - 1.8 16V                                                            | BP-ZE                                                                             | 1994.08~1998.09                                                                     | 1840                                                                                |
|               | 323 F V (BA) - 1.5 16V                                                            | Z5-DE                                                                             | 1994.07~1998.09                                                                     | 1489                                                                                |
|               | 323 F V (BA) - 1.8 16V                                                            | BP-ZE                                                                             | 1994.08~1998.09                                                                     | 1840                                                                                |
|               | 323 F V (BA) - 2.0 24V                                                            | KF                                                                                | 1994.08~1998.09                                                                     | 1995                                                                                |
|               | 323 F VI (BJ) - 1.9 16V                                                           | FP, FP55                                                                          | 1998.09~2001.01                                                                     | 1840                                                                                |
|               | 323 F VI (BJ) - 2.0                                                               | FS7E, FS7G                                                                        | 2001.01~2004.05                                                                     | 1991                                                                                |
|               | 323 F VI (BJ) - 2.0 TD                                                            | RF4F                                                                              | 2001.01~2004.05                                                                     | 1998                                                                                |
|               | 323 III Hatchback (BF) - 1.4                                                      | B3                                                                                | 1987.09~1989.10                                                                     | 1324                                                                                |
|               | 323 III Hatchback (BF) - 1.5                                                      | E5                                                                                | 1985.08~1989.05                                                                     | 1490                                                                                |
|               | 323 III Hatchback (BF) - 1.6 GT                                                   | B6(SOHC)                                                                          | 1987.09~1989.10                                                                     | 1597                                                                                |
|               | 323 P V (BA) - 1.5 16V                                                            | Z5-DE                                                                             | 1996.10~                                                                            | 1489                                                                                |
|               | 323 S V (BA) - 1.5 16V                                                            | Z5-DE                                                                             | 1994.08~1998.09                                                                     | 1489                                                                                |
|               | 5 (CR19) - 2.0 CD                                                                 | RF7J                                                                              | 2005.03~                                                                            | 1998                                                                                |
|               | 5 (CW) - 1.6 CD                                                                   | Y650, Y655                                                                        | 2010.09~                                                                            | 1560                                                                                |
|               | 6 (GG) - 2.0 DI                                                                   | RF5C                                                                              | 2002.08~2007.08                                                                     | 1998                                                                                |
|               | 6 (GH) - 1.8 MZR                                                                  | L813                                                                              | 2007.08~                                                                            | 1798                                                                                |
|               | 6 (GH) - 2.5 MZR                                                                  | L5-VE                                                                             | 2007.08~                                                                            | 2488                                                                                |
|               | 6 Hatchback (GG) - 1.8                                                            | L813                                                                              | 2002.08~2007.08                                                                     | 1798                                                                                |
|               | 6 Hatchback (GG) - 2.0                                                            | LF17, LF18                                                                        | 2002.08~2007.08                                                                     | 1999                                                                                |
|               | 6 Hatchback (GG) - 2.0 DI                                                         | RF5C                                                                              | 2002.08~2007.08                                                                     | 1998                                                                                |
|               | 6 Hatchback (GG) - 2.3                                                            | L3C1                                                                              | 2002.08~2007.08                                                                     | 2261                                                                                |
|               | 626 II Hatchback (GC) - 1.6                                                       | F6                                                                                | 1983.03~1987.09                                                                     | 1587                                                                                |
|               | 626 II Hatchback (GC) - 2.0                                                       | FE(8V)                                                                            | 1985.01~1987.09                                                                     | 1998                                                                                |
|               | 626 II Hatchback (GC) - 2.0 D                                                     | RF46                                                                              | 1984.03~1987.06                                                                     | 1998                                                                                |
|               | 626 III (GD) - 2.2 12V                                                            | F2                                                                                | 1987.11~1991.07                                                                     | 2184                                                                                |
|               | 626 III Hatchback (GD) - 1.8                                                      | F8(12V)                                                                           | 1987.11~1992.05                                                                     | 1789                                                                                |
|               | 626 III Hatchback (GD) - 2.0                                                      | FE(8V)                                                                            | 1987.09~1990.10                                                                     | 1998                                                                                |
|               | 626 III Hatchback (GD) - 2.0 12V                                                  | FE(12V)                                                                           | 1987.11~1992.05                                                                     | 1998                                                                                |
|               | 626 III Hatchback (GD) - 2.0 D                                                    | RF-N                                                                              | 1987.07~1991.07                                                                     | 1998                                                                                |
|               | 626 III Station Wagon (GV) - 2.0                                                  | FE(8V)                                                                            | 1988.10~1997.09                                                                     | 1998                                                                                |
|               | 626 III Station Wagon (GV) - 2.0 D                                                | RF-N                                                                              | 1988.09~1991.07                                                                     | 1998                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20050                                                                             |              |              | GT20060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20050                                                                             |              |              | GT80980                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20050                                                                             |              |              | GT80980                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80670                                                                             |              |              | GT80510 GT80520 GT90510                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80040                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80040                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT40920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20050                                                                             |              |              | GT20060 GT80980                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80980                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70960 GT70970                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-174                                                                            |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70970                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70960                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-174                                                                            |     |                                                                                     |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80970                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80970                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60790                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20010                                                                             |              |              | GT20020                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT20030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT20010                                                                             |              |              | GT20020                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60180                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT20030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60180                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| MAZDA         | 626 IV Hatchback (GE) - 2.0 D GLX Comprex                                         | RF OHC                                                                            | 1993.01~1997.04                                                                     | 1998                                                                                |
|               | 626 IV Hatchback (GE) - 2.0 i                                                     | FS                                                                                | 1991.08~1997.04                                                                     | 1991                                                                                |
|               | 626 IV Hatchback (GE) - 2.5 24V                                                   | KL                                                                                | 1994.08~1997.04                                                                     | 2497                                                                                |
|               | 626 V Hatchback (GF) - 2.0 DITD                                                   | RF3F                                                                              | 1998.04~2002.10                                                                     | 1998                                                                                |
|               | 626 V Station Wagon (GW) - 2.0 DITD                                               | RF3F                                                                              | 1999.09~2002.10                                                                     | 1998                                                                                |
|               | 929 III (HC) - 3.0 i                                                              | JE3                                                                               | 1990.01~1991.06                                                                     | 2954                                                                                |
|               | B-SERIE (UF) - 2.5 D 4WD                                                          | WL31                                                                              | 1998.09~1999.06                                                                     | 2500                                                                                |
|               | B-SERIE (UN) - 2.5 D                                                              | MD25NA                                                                            | 1999.06~                                                                            | 2500                                                                                |
|               | B-SERIE (UN) - 2.5 TD 4WD                                                         | MD25TI                                                                            | 1999.06~2006.07                                                                     | 2499                                                                                |
|               | CX-5 (KE, GH) - 2.0 AWD                                                           | PEY6, PEY7                                                                        | 2011.11~                                                                            | 1998                                                                                |
|               | CX-7 (ER) - 2.3 MZR DISI Turbo                                                    | L3-VDT                                                                            | 2007.10~                                                                            | 2261                                                                                |
|               | E-SERIE Box (SR2) - E2000                                                         | FE60, FE61                                                                        | 1991.03~1994.05                                                                     | 1998                                                                                |
|               | E-SERIE Box (SR2) - E2200 D                                                       | R203, R207                                                                        | 1991.03~2003.05                                                                     | 2184                                                                                |
|               | E-SERIE Bus (SR1) - E2000                                                         | FE18, FEV4                                                                        | 1984.11~1988.02                                                                     | 1998                                                                                |
|               | E-SERIE Bus (SR1) - E2200 D                                                       | R207                                                                              | 1984.01~1988.02                                                                     | 2169                                                                                |
|               | MPV I (LV) - 3.0 i V6                                                             | JE94                                                                              | 1996.05~1999.09                                                                     | 2954                                                                                |
|               | MPV I (LV) - 3.0 i V6 (LV10)                                                      | JE94                                                                              | 1995.03~1999.09                                                                     | 2954                                                                                |
|               | MPV II (LW) - 2.0                                                                 | FS                                                                                | 2000.08~2002.07                                                                     | 1991                                                                                |
|               | MPV II (LW) - 2.0 DI                                                              | RF5C                                                                              | 2002.07~2006.02                                                                     | 1998                                                                                |
|               | MX-3 (EC) - 1.6 i                                                                 | B69                                                                               | 1991.07~                                                                            | 1598                                                                                |
|               | MX-3 (EC) - 1.8 i V6                                                              | K838                                                                              | 1994.01~                                                                            | 1845                                                                                |
|               | MX-3 (EC) 1.8 i V6                                                                | K838                                                                              | 1994.01~1997.10                                                                     | 1845                                                                                |
|               | MX-5 I (NA) - 1.6                                                                 | B64F                                                                              | 1990.05~1994.01                                                                     | 1598                                                                                |
|               | MX-5 I (NA) - 1.8                                                                 | BPF1                                                                              | 1994.02~1998.04                                                                     | 1840                                                                                |
|               | MX-5 II (NB) - 1.6 16V                                                            | B6D                                                                               | 1998.05~2005.10                                                                     | 1598                                                                                |
|               | MX-5 II (NB) - 1.8 16V                                                            | BPD                                                                               | 2000.11~2005.10                                                                     | 1840                                                                                |
|               | MX-5 II (NB) - 1.8 16V                                                            | BP-ZE                                                                             | 1998.05~2005.10                                                                     | 1840                                                                                |
|               | MX-5 III (NC) - 1.8                                                               | L8-DE, L828                                                                       | 2005.03~                                                                            | 1798                                                                                |
|               | MX-5 III (NC) - 2.0                                                               | LF-DE, LF62                                                                       | 2008.09~                                                                            | 1999                                                                                |
|               | MX-6 (GE) - 2.0                                                                   | FS                                                                                | 1992.02~1997.02                                                                     | 1991                                                                                |
|               | MX-6 (GE) - 2.5 i 24V                                                             | KL                                                                                | 1994.08~1997.02                                                                     | 2497                                                                                |
|               | MX-6 (GE) 2.5 i 24V                                                               | KL                                                                                | 1994.08~1997.02                                                                     | 2497                                                                                |
|               | PREMACY (CP) - 1.9                                                                | FP                                                                                | 1999.07~2005.03                                                                     | 1840                                                                                |
|               | PREMACY (CP) - 2.0                                                                | FS7E, FS7G                                                                        | 2001.11~2005.03                                                                     | 1991                                                                                |
|               | PREMACY (CP) - 2.0 TD                                                             | RF3F                                                                              | 1999.10~2000.07                                                                     | 1998                                                                                |
|               | TRIBUTE (EP) - 2.0                                                                | YF                                                                                | 2000.03~2008.05                                                                     | 1989                                                                                |
|               | TRIBUTE (EP) - 2.0 4WD                                                            | YF                                                                                | 2000.03~2008.05                                                                     | 1989                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT60180                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT80040                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT80670                                                                             |              |              | GT80510                                                                             |         |         | GT80520                                                                             |          |          | GT90510                                                                             |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT40920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-174                                                                            |     |                                                                                     |          |         |  |  |         |  |
| GT40920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT80660                                                                             |              |              | GT80870                                                                             |         |         | GT80880                                                                             |          |          | GT20090                                                                             |       |       | GT20100                                                                             |     |                                                                                     |          | GT80530 |  |  | GTA0550 |  |
| GT60160                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT70490                                                                             |              |              | GT70950                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT70950                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     | GHAT-179 |         |  |  |         |  |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT20020                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT90630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT20010                                                                             |              |              | GT80970                                                                             |         |         | GT20020                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT80450                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT80660                                                                             |              |              |                                                                                     |         |         | GT80530                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT80660                                                                             |              |              |                                                                                     |         |         | GT80530                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              |                                                                                     |         |         | GT80040                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT70960                                                                             |         |         | GT70970                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     | GHAT-174 |         |  |  |         |  |
| GT20050                                                                             |              |              | GT20060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT80670                                                                             |              |              | GT80510                                                                             |         |         | GT80520                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT90510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT20050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT20050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT20050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT20050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT20060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT50690                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT80040                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT80670                                                                             |              |              | GT80510                                                                             |         |         | GT80520                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT90510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT80040                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
|                                                                                     |              |              | GT80040                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |
| GT40920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     | GHAT-174 |         |  |  |         |  |
|                                                                                     |              |              | GT60280                                                                             |         |         |                                                                                     |          |          | GTA0300                                                                             |       |       |                                                                                     |     |                                                                                     | GTB0530  |         |  |  |         |  |
|                                                                                     |              |              | GT60280                                                                             |         |         |                                                                                     |          |          | GTA0300                                                                             |       |       |                                                                                     |     |                                                                                     |          |         |  |  |         |  |

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|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| MAZDA                 | XEDOS 6 (CA) - 1.6 16V                                                            | B6(DOHC)                                                                          | 1994.06~1999.10                                                                     | 1598                                                                                |
|                       | XEDOS 6 (CA) - 2.0 V6                                                             | KF1                                                                               | 1994.06~1999.10                                                                     | 1995                                                                                |
|                       | XEDOS 9 (TA) - 2.0 24V                                                            | KF                                                                                | 1993.08~2000.01                                                                     | 1995                                                                                |
|                       | XEDOS 9 (TA) - 2.3 24V                                                            | KJ -ZEM                                                                           | 1995.02~2000.01                                                                     | 2255                                                                                |
|                       | XEDOS 9 (TA) - 2.5 24V                                                            | KL                                                                                | 1993.07~2000.07                                                                     | 2497                                                                                |
|                       | XEDOS 9 (TA) - 2.5 V6                                                             | KL                                                                                | 2000.07~2002.09                                                                     | 2497                                                                                |
| MEGA                  | CLUB - 1.1 i                                                                      | TU1MC                                                                             | 1992.01~1999.06                                                                     | 1124                                                                                |
| MER<br>CEDES-<br>BENZ | A-CLASS (W168) - A 140 [168.031, 168.131]                                         | M 166.940                                                                         | 1997.07~2004.08                                                                     | 1397                                                                                |
|                       | A-CLASS (W168) - A 160 [168.033, 168.133]                                         | M 166.960                                                                         | 1997.07~2004.08                                                                     | 1598                                                                                |
|                       | A-CLASS (W169) - A 150 [169.031, 169.331]                                         | M 266.920                                                                         | 2004.09~2012.06                                                                     | 1498                                                                                |
|                       | A-CLASS (W169) - A 160 [169.031, 169.331]                                         | M 266.920                                                                         | 2009.04~2012.06                                                                     | 1498                                                                                |
|                       | A-CLASS (W169) - A 170 [169.032, 169.332]                                         | M 266.940                                                                         | 2004.09~2012.06                                                                     | 1699                                                                                |
|                       | A-CLASS (W169) - A 200 [169.033, 169.333]                                         | M 266.960                                                                         | 2004.09~2012.06                                                                     | 2034                                                                                |
|                       | B-CLASS (W245) - B 150 [245.231]                                                  | M 266.920                                                                         | 2005.03~2011.11                                                                     | 1498                                                                                |
|                       | B-CLASS (W245) - B 160 [245.231]                                                  | M 266.920                                                                         | 2009.04~2011.11                                                                     | 1498                                                                                |
|                       | B-CLASS (W245) - B 170 [245.232]                                                  | M 266.940                                                                         | 2005.03~2011.11                                                                     | 1699                                                                                |
|                       | B-CLASS (W245) - B 170 NGT [245.233]                                              | M 266.960                                                                         | 2008.04~2011.11                                                                     | 2034                                                                                |
|                       | B-CLASS (W245) - B 180 NGT [245.233]                                              | M 266.960                                                                         | 2008.04~2011.11                                                                     | 2034                                                                                |
|                       | C-CLASS (W202) - C 240 [202.026]                                                  | M 112.910                                                                         | 1997.06~2000.05                                                                     | 2398                                                                                |
|                       | C-CLASS (W202) - C 280 [202.029]                                                  | M 112.920                                                                         | 1997.06~2000.05                                                                     | 2799                                                                                |
|                       | C-CLASS (W202) - C 43 AMG [202.033]                                               | M 113.944                                                                         | 1997.08~2000.05                                                                     | 4266                                                                                |
|                       | C-CLASS (W203) - C 240 4-matic [203.081]                                          | M 112.916                                                                         | 2002.07~2007.02                                                                     | 2597                                                                                |
|                       | C-CLASS (W203) - C 30 CDI AMG [203.018]                                           | OM 612.990                                                                        | 2003.01~2007.02                                                                     | 2950                                                                                |
|                       | C-CLASS (W203) - C 55 AMG [203.076]                                               | M 113.988                                                                         | 2004.02~2007.02                                                                     | 5439                                                                                |
|                       | CLC-CLASS (CL203) - CLC 350 [203.756]                                             | M 272.960                                                                         | 2008.05~2011.06                                                                     | 3498                                                                                |
|                       | CLK Convertible [A209] - CLK 350 [209.456]                                        | M 272.960                                                                         | 2005.01~2010.03                                                                     | 2498                                                                                |
|                       | E-CLASS (W211) - E 230 [211.052]                                                  | M 272.922                                                                         | 2007.09~2008.12                                                                     | 2496                                                                                |
|                       | E-CLASS (W211) - E 240 [211.061]                                                  | M 112.913, M 112.917                                                              | 2002.03~2008.12                                                                     | 2597                                                                                |
|                       | E-CLASS (W211) - E 320 [211.065]                                                  | M 112.949                                                                         | 2002.03~2008.12                                                                     | 3199                                                                                |
|                       | E-CLASS (W211) - E 350 [211.056]                                                  | M 272.964                                                                         | 2005.03~2008.12                                                                     | 3498                                                                                |
|                       | E-CLASS (W211) - E 500 [211.070]                                                  | M 113.967                                                                         | 2002.03~2008.12                                                                     | 4966                                                                                |
|                       | E-CLASS Estate [S210] - E 320 T CDI [210.226]                                     | OM 613.961                                                                        | 1999.07~2003.03                                                                     | 3226                                                                                |
|                       | M-CLASS (W163) - ML 320 [163.154]                                                 | M 112.942                                                                         | 1998.02~2002.08                                                                     | 3199                                                                                |
|                       | M-CLASS (W163) - ML 350 4-matic                                                   | M 112.970                                                                         | 2003.02~2005.06                                                                     | 3724                                                                                |
|                       | M-CLASS (W163) - ML 430 [163.172]                                                 | M 113.942                                                                         | 1998.02~2005.06                                                                     | 4266                                                                                |
|                       | R-CLASS (W251, V251) - R 350 4-matic [251.065, 251.165]                           | M 272.967                                                                         | 2006.01~                                                                            | 3498                                                                                |



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|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|--|--|--|--|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |  |  |  |  |
| GT20050                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
| GT80670                                                                             |                  |                  | GT80510                                                                             | GT80520 | GT90510 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  | GT80510                                                                             | GT80520 | GT90510 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
| GT90500                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
| GT80670                                                                             |                  |                  | GT90510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  | GT90510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0080                                                                             | GTA0170  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0080                                                                             | GTA0170  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0080                                                                             | GTA0160  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0080                                                                             | GTA0160  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0080                                                                             | GTA0160  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0170                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0160                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             | GTA0230  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             | GTA0230  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             | GTA0230  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0230                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |  |  |  |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     | </                                                                                  |  |  |  |  |  |

Application Guide by OE Manufacturers

| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| MERCEDES-BENZ | R-CLASS (W251, V251) - R 500 4-matic (251.075, 251.175)                           | M 113.971                                                                         | 2006.01~                                                                            | 4966                                                                                |
|               | S-CLASS (W220) - S 280 (220.063, 220.163)                                         | M 112.922                                                                         | 1998.10~2005.08                                                                     | 2799                                                                                |
|               | S-CLASS (W220) - S 320 (220.065, 220.165)                                         | M 112.944                                                                         | 1998.10~2005.08                                                                     | 3199                                                                                |
|               | SLK (R170) - 320 (170.465)                                                        | M 112.947                                                                         | 2000.03~2004.04                                                                     | 3199                                                                                |
|               | SLK (R171) - 55 AMG (171.473)                                                     | M 113.989                                                                         | 2004.06~2011.02                                                                     | 5439                                                                                |
|               | VANEO (414) - 1.6 (414.700)                                                       | M 166.961                                                                         | 2002.02~2005.07                                                                     | 1598                                                                                |
|               | VANEO (414) - 1.7 CDI (414.700)                                                   | OM 668.914                                                                        | 2002.02~2005.07                                                                     | 1689                                                                                |
|               | VANEO (414) - 1.9 (414.700)                                                       | M 166.991                                                                         | 2002.02~2005.07                                                                     | 1898                                                                                |
|               | V-CLASS (638/2) - V 200 CDI (638.294)                                             | OM 611.980                                                                        | 1999.03~2003.07                                                                     | 2151                                                                                |
|               | VIANO (W639) - 3,0                                                                | M 112.951                                                                         | 2003.09~                                                                            | 3199                                                                                |
|               | VIANO (W639) - 3.7                                                                | M 112.976                                                                         | 2004.06~                                                                            | 3724                                                                                |
| MINI          | MINI (R56) - Cooper D                                                             | 9HZ(DV6TED4), W16 D16                                                             | 2007.03~                                                                            | 1560                                                                                |
|               | MINI (R56) - One D                                                                | 9HZ(DV6TED4)                                                                      | 2009.06~2010.07                                                                     | 1560                                                                                |
|               | MINI CLUBMAN (R55) - Cooper D                                                     | 9HZ(DV6TED4)                                                                      | 2007.10~                                                                            | 1560                                                                                |
| MIT SUBISHI   | 3000 GT (Z16A) - 3.0 i 24V 4WD (Z16A)                                             | 6G72(DOHC 24V)                                                                    | 1992.06~1999.08                                                                     | 2972                                                                                |
|               | CARISMA (DA) - 1.6 (DA1A)                                                         | 4G92                                                                              | 1995.07~2006.06                                                                     | 1597                                                                                |
|               | CARISMA (DA) - 1.8 (DA2A)                                                         | 4G93                                                                              | 1995.07~2006.06                                                                     | 1834                                                                                |
|               | CARISMA (DA) - 1.9 DI-D (DA5A)                                                    | F9Q                                                                               | 2000.09~2006.06                                                                     | 1870                                                                                |
|               | CARISMA (DA) - 1.9 DI-D (DA5A)                                                    | F9Q1                                                                              | 2000.09~2006.06                                                                     | 1870                                                                                |
|               | CARISMA (DA) - 1.9 TD (DA4A)                                                      | F8QT                                                                              | 1996.10~2000.09                                                                     | 1870                                                                                |
|               | CARISMA Saloon (DA) - 1.9 DI-D                                                    | F9Q2                                                                              | 2000.09~2006.06                                                                     | 1870                                                                                |
|               | CARISMA Saloon (DA) - 1.9 TD (DA4A)                                               | F8QT                                                                              | 1996.10~2000.09                                                                     | 1870                                                                                |
|               | CARISMA Saloon (DA) - 2.0 16V GT EVO VI/VII                                       | 4G63 Turbo                                                                        | 1999.11~2006.06                                                                     | 1997                                                                                |
|               | COLT I (A15A) - 1.2 GL (A151A)                                                    | 4G11                                                                              | 1978.12~1984.01                                                                     | 1244                                                                                |
|               | COLT I (A15A) - 1.4 GLX,GT (A152A)                                                | 4G12                                                                              | 1979.05~1984.01                                                                     | 1410                                                                                |
|               | COLT I (A15A) - 1.4 Turbo (A152A)                                                 | 4G12 T                                                                            | 1981.09~1984.01                                                                     | 1410                                                                                |
|               | COLT II (C1A) - 1.2 EL,GL (C15A)                                                  | 4G16                                                                              | 1984.02~1986.09                                                                     | 1198                                                                                |
|               | COLT II (C1A) - 1.3 EL,GL (C11A)                                                  | G13B                                                                              | 1986.06~1988.04                                                                     | 1299                                                                                |
|               | COLT II (C1A) - 1.5 GLX (C12A)                                                    | G15B                                                                              | 1985.09~1988.04                                                                     | 1468                                                                                |
|               | COLT II (C1A) - 1.6 Turbo ECi (C13A)                                              | G32BT                                                                             | 1986.07~1988.04                                                                     | 1597                                                                                |
|               | COLT II (C1A) - 1.8 GL Diesel (C14A)                                              | 4D65                                                                              | 1984.02~1986.09                                                                     | 1796                                                                                |
|               | COLT III (C5A) - 1.3 12V (C51A)                                                   | 4G13(12V)                                                                         | 1988.04~1992.05                                                                     | 1299                                                                                |
|               | COLT III (C5A) - 1.3 GL (C61A)                                                    | 4G13(8V)                                                                          | 1988.04~1990.12                                                                     | 1299                                                                                |
|               | COLT III (C5A) - 1.5 GLXi (C52A)                                                  | 4G15                                                                              | 1988.04~1992.05                                                                     | 1468                                                                                |
|               | COLT III (C5A) - 1.6 GTi 16V (C53A)                                               | 4G61                                                                              | 1988.04~1990.05                                                                     | 1596                                                                                |
|               | COLT III (C5A) - 1.8 Diesel GLX (C54A)                                            | 4D65                                                                              | 1988.04~1992.05                                                                     | 1796                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0080                                                                             |          | GTA0170  |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0080                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0080                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT30500                                                                             |          | GTA0020  | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT30500                                                                             |          | GTA0020  | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT10100                                                                             |              |              | GT10110                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10090                                                                             | GT50550      | GT70320      | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0050                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60100                                                                             | GT60110      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT70770                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10010                                                                             |              |              | GT60190                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10010                                                                             |              |              | GT60190                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60190                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10010                                                                             |              |              | GT60190                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT60200                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80900                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT90220                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GT60200                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80090                                                                             |              |              | GT60200                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60470                                                                             |              |              | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90220                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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| OE MAKER    | Vehicle Model                                            | Engine Type    | Year From ~ To  | Displacement CC |
|-------------|----------------------------------------------------------|----------------|-----------------|-----------------|
|             |                                                          |                |                 |                 |
| MIT SUBISHI | COLT III (C5A) - 1.8 GTi 16V (C58A) CAT                  | 4G67           | 1990.06~1992.05 | 1836            |
|             | COLT IV (CAA) - 1.6 (CA4A)                               | 4G92           | 1994.02~1996.04 | 1597            |
|             | COLT IV (CAA) - 1.8 GTi 16V (CA5A)                       | 4G93           | 1992.04~1996.04 | 1834            |
|             | COLT V (CJ, CP) - 1300 GL, GLX (CJ1A)                    | 4G13(12V)      | 1996.05~2000.09 | 1299            |
|             | COLT V (CJ, CP) - 1500 (CJ2A)                            | 4G15(16V)      | 1995.11~2003.09 | 1468            |
|             | COLT V (CJ, CP) - 1600 GLX (CJ4A)                        | 4G92           | 1996.05~2000.09 | 1597            |
|             | COLT VI (Z3A, Z2A) - 1.1                                 | 3A91           | 2004.10~2012.06 | 1124            |
|             | COLT VI (Z3A, Z2A) - 1.5 DI-D                            | OM 639.939     | 2004.08~2012.06 | 1493            |
|             | CORDIA (A21A, AB) - 1.6 GSL (A212A)                      | 4G32           | 1982.10~1986.12 | 1597            |
|             | CORDIA (A21A, AB) - 1.8 GSL (A215A)                      | 4G37           | 1986.10~1986.12 | 1755            |
|             | CORDIA (A21A, AB) - 1.8 Turbo ECi (A213A)                | 4G62 T         | 1984.10~1986.12 | 1795            |
|             | DIAMANTE Saloon (F2A, F1A) - 3.0                         | 6G72(DOHC 24V) | 1992.10~1996.07 | 2972            |
|             | DIAMANTE Saloon (F4A, F3A) - 3.5                         | 6G74(SOHC 24V) | 2002.10~2005.11 | 3497            |
|             | ECLIPSE - 3.0 GT Coupe 2-Door                            | V6 GAS SOHC    | 2005.01~        | 2972            |
|             | ECLIPSE - 3.0 Spyder GT Convertible 2-Door               | V6 GAS SOHC    | 2005.01~        | 2972            |
|             | ECLIPSE - 3.8 GT Coupe 2-Door                            | V6 GAS SOHC    | 2009.01~        | 3828            |
|             | ECLIPSE - 3.8 Spyder GT Convertible 2-Door               | V6 GAS SOHC    | 2009.01~        | 3828            |
|             | ECLIPSE I (D2A) - 2.0 i 16V (D22A, D27A)                 | 4G63(DOHC 16V) | 1991.04~1995.11 | 1997            |
|             | GALANT - 3.0 GTZ Sedan 4-Door                            | V6 GAS SOHC    | 2003.01~        | 2972            |
|             | GALANT - 3.8 Ralliart Sedan 4-Door                       | V6 GAS SOHC    | 2008.01~        | 3828            |
|             | GALANT II (A16) - 1.6 GLX (A161A)                        | 4G32           | 1980.09~1984.05 | 1597            |
|             | GALANT II (A16) - 2.0 GLS (A163)                         | 4G63(SOHC 8V)  | 1980.09~1984.05 | 1997            |
|             | GALANT II (A16) - 2.3 Turbo-D (A167)                     | 4D55 T         | 1980.09~1984.05 | 2347            |
|             | GALANT III (E1A) - 1.6 GLX (E11A)                        | 4G32           | 1984.06~1990.04 | 1597            |
|             | GALANT III (E1A) - 1.6 GLX (E11A)                        | 4G32           | 1984.06~1990.04 | 1597            |
|             | GALANT III (E1A) - 1.8 Turbo-D (E14A)                    | 4D65 T         | 1984.06~1990.04 | 1795            |
|             | GALANT III (E1A) - 2.0 GLS (E15A)                        | G63B           | 1986.06~1990.04 | 1997            |
|             | GALANT IV (E3A) - 1.8 Turbo-D (E34A)                     | 4D65 T         | 1988.11~1992.10 | 1796            |
|             | GALANT IV (E3A) - 2.0 (E39A, E38A, E33A)                 | 4G63(SOHC 8V)  | 1989.04~1992.10 | 1997            |
|             | GALANT IV (E3A) - 2.0 4WD (E33A, E38A, E39A)             | 4G63(SOHC 8V)  | 1989.04~1992.10 | 1997            |
|             | GALANT Saloon (DJ, ED, EF) - 2.4                         | 4G69           | 2003.10~        | 2378            |
|             | GALANT V (E5A, E7A, E8A) - 1.8 (E52A)                    | 4G93           | 1994.02~1996.08 | 1834            |
|             | GALANT V (E5A, E7A, E8A) - 2.0 GLSi (E55A)               | 4G63(SOHC 16V) | 1992.11~1996.08 | 1997            |
|             | GALANT V (E5A, E7A, E8A) - 2.0 V6-24 (E64A, E54A)        | 6A12           | 1992.11~1996.08 | 1999            |
|             | GALANT V (E5A, E7A, E8A) - 2.5 V6-24 4WD (E88A)          | 6G73           | 1992.11~1996.08 | 2497            |
|             | GALANT V Saloon (E5A, E7A, E8A) - 2.0 GLSi (E55A)        | 4G63(SOHC 16V) | 1992.11~1996.08 | 1997            |
|             | GALANT V Saloon (E5A, E7A, E8A) - 2.0 V6-24 (E64A, E54A) | 6A12           | 1992.11~1996.08 | 1999            |

| TEN-<br>SIONER 1 | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1 | IDLER 2 | IDLER 3 | PULLEY 1 | PULLEY 2 | PULLEY 3 | TBT 1 | TBT 2 | TBT 3 | HAT 1 | ADT |
|------------------|------------------|------------------|---------|---------|---------|----------|----------|----------|-------|-------|-------|-------|-----|
| GT10070          | GT60470          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT80400          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT50550          | GT70320          |                  | GT10050 |         |         |          |          |          |       |       |       |       |     |
| GT60030          | GT80990          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT60030          | GT80990          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT10090          | GT90550          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT80060          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
|                  |                  |                  |         |         |         | GTA0160  |          |          |       |       |       |       |     |
| GT80890          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT80890          | GT80950          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT10031          | GT80480          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT10090          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT10100          |                  |                  | GT10110 |         |         |          |          |          |       |       |       |       |     |
| GT60460          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT60460          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT60450          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT60450          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT10070          | GT60470          |                  | GT10050 |         |         |          |          |          |       |       |       |       |     |
| GT60460          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT60450          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT80890          | GT80950          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT10031          | GT80480          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT10130          | GT10140          |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT80900          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT80950          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
|                  |                  |                  | GT90220 |         |         |          |          |          |       |       |       |       |     |
| GT10031          | GT80480          |                  |         |         |         |          |          |          |       |       |       |       |     |
|                  |                  |                  | GT90220 |         |         |          |          |          |       |       |       |       |     |
| GT10032          | GT10070          | GT60470          | GT10050 |         |         |          |          |          |       |       |       |       |     |
| GT80480          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT60050          |                  |                  | GT60040 | GT60480 |         |          |          |          |       |       |       |       |     |
| GT80400          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
| GT80800          |                  |                  | GT10050 |         |         |          |          |          |       |       |       |       |     |
|                  |                  |                  | GT60170 |         |         |          |          |          |       |       |       |       |     |
| GT10100          |                  |                  | GT10110 |         |         |          |          |          |       |       |       |       |     |
| GT80800          |                  |                  |         |         |         |          |          |          |       |       |       |       |     |
|                  |                  |                  | GT60170 |         |         |          |          |          |       |       |       |       |     |

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|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER       | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| MIT<br>SUBISHI | GALANT VI (EA) - 2.0 (EA2A)                                                       | 4G63(SOHC 16V)                                                                    | 1996.09~2000.09                                                                     | 1997                                                                                |
|                | GALANT VI (EA) - 2.0 TDI (EA6A)                                                   | 4D68(SOHC), 4D68 T                                                                | 1996.09~2004.10                                                                     | 1998                                                                                |
|                | GALANT VI (EA) - 2.4 GDI (EA3A)                                                   | 4G64(GDI)                                                                         | 2000.09~2004.10                                                                     | 2351                                                                                |
|                | GALANT VI (EA) - 2.5 V6 24V (EA5A)                                                | 6A13                                                                              | 2000.09~2004.10                                                                     | 2498                                                                                |
|                | GALANT VI Estate (EA) - 2.4 GDI (EA3W)                                            | 4G64(GDI)                                                                         | 2000.09~2003.10                                                                     | 2351                                                                                |
|                | GRANDIS (NAW) - 2.0 DI-D                                                          | BSY                                                                               | 2005.09~                                                                            | 1968                                                                                |
|                | GRANDIS (NAW) - 2.4                                                               | 4G69                                                                              | 2004.04~                                                                            | 2378                                                                                |
|                | L 200 (K3T, K2T, K1T, K0T) - 2.5 D (K14T)                                         | 4D56(8V)                                                                          | 1986.11~1996.10                                                                     | 2476                                                                                |
|                | L 200 (K7T, K6T) - 2.0 (K62T)                                                     | 4G63(SOHC 16V)                                                                    | 1996.06~2007.12                                                                     | 1997                                                                                |
|                | L 200 (K7T, K6T) - 2.4 4WD (K75T)                                                 | 4G64(SOHC 16V)                                                                    | 1996.06~2007.12                                                                     | 2351                                                                                |
|                | L 200 (K7T, K6T) - 2.5 D (K64T)                                                   | 4D56(8V)                                                                          | 1996.06~2007.12                                                                     | 2477                                                                                |
|                | L 200 (KBT, KAT) - 2.5 DI-D (KA4T)                                                | 4D56 HP                                                                           | 2010.04~                                                                            | 2477                                                                                |
|                | L 200 (KBT, KAT) - 2.5 DI-D 4WD (KB4T)                                            | 4D56 HP                                                                           | 2005.11~                                                                            | 2477                                                                                |
|                | L 300 Box (P0W, P1W) - 1.6 (P12V, P02V)                                           | 4G32                                                                              | 1986.11~1994.05                                                                     | 1598                                                                                |
|                | L 300 Bus (L03P/G, L02P) - 1.6 (L032P, L062P)                                     | 4G32                                                                              | 1981.09~1986.10                                                                     | 1597                                                                                |
|                | L 300 Bus (P0W, P1W, P2W) - 2.0 (P13T, P03W, P03V, P13V)                          | 4G63(SOHC 8V)                                                                     | 1986.11~                                                                            | 1997                                                                                |
|                | L 300 Bus (P0W, P1W, P2W) - 2.0 (P13V, P03W, P13T)                                | G63B                                                                              | 1986.11~                                                                            | 1997                                                                                |
|                | L 300 Platform/Chassis (L03P) - 1.6 (L032P, L062P)                                | 4G32                                                                              | 1983.04~1994.04                                                                     | 1597                                                                                |
|                | LANCER F II (A17) - 1.2 GLX (A171)                                                | 4G11                                                                              | 1983.03~1984.01                                                                     | 1244                                                                                |
|                | LANCER I (A17) - 1.6 (A174)                                                       | 4G32 GS                                                                           | 1979.09~1983.02                                                                     | 1597                                                                                |
|                | LANCER I (A17) - 2.0 Turbo ECi (A176)                                             | 4G63 T(SOHC 8V)                                                                   | 1981.03~1983.02                                                                     | 1997                                                                                |
|                | LANCER III (C1A, C6A) - 1.5 GLX (C12AS)                                           | 4G15                                                                              | 1983.11~1988.04                                                                     | 1468                                                                                |
|                | LANCER III (C1A, C6A) - 1.8 Diesel (C14AS)                                        | 4D65                                                                              | 1984.01~1986.09                                                                     | 1796                                                                                |
|                | LANCER III Station Wagon (C1V, C3V) - 1.5 (C12V)                                  | 4G15                                                                              | 1988.09~1990.12                                                                     | 1468                                                                                |
|                | LANCER III Station Wagon (C1V, C3V) - 1.8 4WD (C37V)                              | G37B                                                                              | 1987.01~1989.08                                                                     | 1755                                                                                |
|                | LANCER IV (C6A, C7A) - 1.5 12V (C62A)                                             | 4G15(12V)                                                                         | 1989.05~1992.05                                                                     | 1468                                                                                |
|                | LANCER IV (C6A, C7A) - 1.8 D (C64A)                                               | 4D65                                                                              | 1988.04~1992.05                                                                     | 1796                                                                                |
|                | LANCER IV (C6A, C7A) - 1.8 GTi 16V (C68A)                                         | 4G67                                                                              | 1989.11~1992.05                                                                     | 1836                                                                                |
|                | LANCER IV (C6A, C7A) - 1.8 GTi 16V (C69A)                                         | 4G93                                                                              | 1992.06~1993.12                                                                     | 1834                                                                                |
|                | LANCER IV Saloon (C6A) - 1.5 12V (C62A)                                           | 4G15(12V)                                                                         | 1989.05~1992.05                                                                     | 1468                                                                                |
|                | LANCER IV Saloon (C6A) - 1.8 GLX Diesel (C64A)                                    | 4D65                                                                              | 1988.04~1992.05                                                                     | 1796                                                                                |
|                | LANCER Saloon (CSA, CT0) - 1.6 (CS3A)                                             | 4G18                                                                              | 2003.09~                                                                            | 1584                                                                                |
|                | LANCER Saloon (CSA, CT0) - 2.0 (CS9A)                                             | 4G63(DOHC 16V)                                                                    | 2003.12~                                                                            | 1997                                                                                |
|                | LANCER Saloon (CSA, CT0) - 2.0 16V EVO VIII (CT9A)                                | 4G63 Turbo                                                                        | 2004.03~                                                                            | 1997                                                                                |
|                | LANCER Saloon (CY/ZA) - 2.0 DI-D                                                  | BKD, BWC                                                                          | 2008.01~                                                                            | 1968                                                                                |
|                | LANCER V (CB/DA) - 1.3 (CB1A)                                                     | 4G13(12V)                                                                         | 1992.06~1996.12                                                                     | 1299                                                                                |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |  |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GT50550                                                                             | GT70320          | GT90700          | GT10050                                                                             | GT60060 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10090                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90700                                                                             |                  |                  | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |                  |                  | GT60170                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80800                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |                  |                  | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60050                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10130                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10070                                                                             | GT80800          |                  | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90700                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10130                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT40950                                                                             |                  |                  | GT70930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-173                                                                            |                                                                                     |
| GT40950                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80900                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80890                                                                             | GT80900          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80800                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10031                                                                             | GT10040          | GT10070          |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80890                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90320                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80890                                                                             | GT80950          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10031                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10010                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80480                                                                             |                  |                  | GT90220                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80090                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80900                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80090                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |                  |                  | GT90220                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT10070                                                                             | GT60470          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50550                                                                             | GT70320          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80090                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80480                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60030                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80800                                                                             |                  |                  | GT60040                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |                  |                  | GT60200                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |                  |                  | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80090                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |



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|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER    | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| MIT SUBISHI | LANCER V Station Wagon (CBW, CDW) - 1.6 16V 4WD (CD4W)                            | 4G92                                                                              | 1992.12~2003.10                                                                     | 1597                                                                                |
|             | LANCER VI (CJ-CP) - 1.3 12V (CK1A)                                                | 4G13(12V)                                                                         | 1995.12~2003.08                                                                     | 1299                                                                                |
|             | LANCER VI (CJ-CP) - 1.5 16V (CK2A)                                                | 4G15(16V)                                                                         | 1995.12~2003.08                                                                     | 1468                                                                                |
|             | LANCER VI (CJ-CP) - 1.6 16V (CK4A)                                                | 4G92                                                                              | 1995.12~2003.08                                                                     | 1597                                                                                |
|             | LANCER VI (CJ-CP) - 1.6 16V (CK4A)                                                | 4G92                                                                              | 1995.12~2003.08                                                                     | 1597                                                                                |
|             | LANCER VI (CJ-CP) - 2.0 16V EVO                                                   | 4G63 Turbo                                                                        | 1998.08~2001.08                                                                     | 1997                                                                                |
|             | NIMBUS (N9W, N8W) - 2.0 GDI                                                       | 4G63(SOHC 16V)                                                                    | 1998.10~2004.12                                                                     | 1997                                                                                |
|             | NIMBUS (N9W, N8W) - 2.4 GDI                                                       | 4G64(GDI)                                                                         | 2000.09~2004.12                                                                     | 2351                                                                                |
|             | NIMBUS (N9W, N8W) - 2.4 GDI 4WD                                                   | 4G64(GDI)                                                                         | 2000.09~2004.12                                                                     | 2351                                                                                |
|             | OUTLANDER I (CUW) - 2.0 4WD (CU2W)                                                | 4G63(DOHC 16V)                                                                    | 2003.05~2006.10                                                                     | 1997                                                                                |
|             | OUTLANDER I (CUW) - 2.4 4WD                                                       | 4G64(SOHC 16V)                                                                    | 2003.05~2006.10                                                                     | 2351                                                                                |
|             | OUTLANDER I (CUW) - 2.4 4WD (CU5W)                                                | 4G69                                                                              | 2003.05~2006.10                                                                     | 2378                                                                                |
|             | OUTLANDER II (CWW) - 2.0 DI-D                                                     | BSY                                                                               | 2007.02~2012.11                                                                     | 1968                                                                                |
|             | PAJERO I (L04G, L14G) - 2.5 TD (L044G, L049G)                                     | 4D56 T                                                                            | 1990.01~1991.12                                                                     | 2477                                                                                |
|             | PAJERO I (L04G, L14G) - 3.0 V6 (L141G, L146G)                                     | 6G72(SOHC 12V)                                                                    | 1988.11~1990.11                                                                     | 2972                                                                                |
|             | PAJERO I Canvas Top (L04G) - 2.3 TD (L043G, L048G)                                | 4D55 T                                                                            | 1982.12~1986.04                                                                     | 2347                                                                                |
|             | PAJERO II (V3W, V2W, V4W) - 2.4 (V21W, V21C)                                      | 4G64(12V)                                                                         | 1991.04~1999.10                                                                     | 2351                                                                                |
|             | PAJERO II (V3W, V2W, V4W) - 3.0 V6 4WD (V23W, V43W, V23C)                         | 6G72(SOHC 12V)                                                                    | 1990.12~1995.12                                                                     | 2972                                                                                |
|             | PAJERO II (V3W, V2W, V4W) - 3.5 V6 24V (V45W, V25W)                               | 6G74(DOHC 24V)                                                                    | 1997.07~1999.10                                                                     | 3497                                                                                |
|             | PAJERO II Canvas Top (V2W, V4W) - 2.5 TD 4WD (V24C, V24W)                         | 4D56 TD                                                                           | 1990.12~2000.04                                                                     | 2477                                                                                |
|             | PAJERO IV (V8W, V9W) - 3.8 V6                                                     | 6G75                                                                              | 2010.02~                                                                            | 3828                                                                                |
|             | PAJERO PININ (H6W, H7W) - 1.8 (H76W, H66W)                                        | 4G93                                                                              | 2001.11~2007.06                                                                     | 1834                                                                                |
|             | SANTAMO - 2.0 16V                                                                 | 4G63(DOHC 16V)                                                                    | 1999.05~2004.12                                                                     | 1997                                                                                |
|             | SAPPORO II (A16A) - 1.6 GLX (A161A)                                               | 4G32                                                                              | 1980.08~1984.09                                                                     | 1597                                                                                |
|             | SAPPORO II (A16A) - 2.0 GSL (A164A)                                               | 4G63(SOHC 8V)                                                                     | 1980.08~1983.08                                                                     | 1997                                                                                |
|             | SIGMA (F2A, F1A) - 3.0 V6                                                         | 6G72(SOHC 12V)                                                                    | 1990.12~1996.07                                                                     | 2972                                                                                |
|             | SPACE RUNNER (N1W, N2W) - 1.8 4WD (N21W)                                          | 4G93                                                                              | 1991.10~1999.08                                                                     | 1834                                                                                |
|             | SPACE STAR (DGA) - 1.3 16V (DG1A)                                                 | 4G13(16V)                                                                         | 2000.09~2004.12                                                                     | 1299                                                                                |
|             | SPACE STAR (DGA) - 1.6 16V (DG3A)                                                 | 4G18                                                                              | 2001.01~2004.12                                                                     | 1584                                                                                |
|             | SPACE STAR (DGA) - 1.8 GDI (DG5A)                                                 | 4G93(GDI)                                                                         | 1998.06~2004.12                                                                     | 1834                                                                                |
|             | SPACE STAR (DGA) - 1.8 MPI                                                        | 4G93                                                                              | 2002.10~2004.12                                                                     | 1834                                                                                |
|             | SPACE STAR (DGA) - 1.9 DI-D                                                       | F9Q2                                                                              | 2002.10~2004.12                                                                     | 1870                                                                                |
|             | SPACE STAR (DGA) - 1.9 DI-D (DG4A)                                                | F9Q1                                                                              | 2001.02~2004.12                                                                     | 1870                                                                                |
|             | SPACE WAGON (D0V/W) - 1.8 GLX (D05V, D05W)                                        | 4G37                                                                              | 1984.01~1988.12                                                                     | 1755                                                                                |
|             | SPACE WAGON (D0V/W) - 1.8 TD (D09V, D09W)                                         | 4D65 T                                                                            | 1986.06~1991.04                                                                     | 1796                                                                                |
|             | SPACE WAGON (D0V/W) - 2.0 GLX (D04W)                                              | G63B                                                                              | 1986.06~1988.05                                                                     | 1997                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT80400                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60030                                                                             | GT80990      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60030                                                                             | GT80990      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10090                                                                             | GT90700      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80800                                                                             | GT90700      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80800                                                                             | GT90700      | GT60060      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90700                                                                             | GT60040      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60050                                                                             | GT90700      | GT60480      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60050                                                                             | GT60480      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10130                                                                             | GT10140      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             | GT10090      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10031                                                                             | GT10040      | GT10070      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10090                                                                             | GT10100      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10100                                                                             | GT10110      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50550                                                                             | GT70320      | GT90550      | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10032                                                                             | GT10040      | GT10070      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80890                                                                             | GT80950      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10031                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10080                                                                             | GT10090      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80400                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60030                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60030                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50550                                                                             | GT70320      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT70770                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80890                                                                             | GT80900      | GT80950      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90220                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT10031                                                                             | GT10040      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|             |  |  |  |  |
|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER    | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| MIT SUBISHI | SPACE WAGON (N3W, N4W) - 1.8 TD (N35W)                                            | 4D65 T                                                                            | 1991.10~1998.10                                                                     | 1796                                                                                |
|             | SPACE WAGON (N3W, N4W) - 2.0 (N33W)                                               | 4G63(DOHC 16V)                                                                    | 1992.10~1998.10                                                                     | 1997                                                                                |
|             | TREDIA (A21) - 1.4 GLX (A211)                                                     | 4G12                                                                              | 1982.10~1985.08                                                                     | 1410                                                                                |
|             | TREDIA (A21) - 1.6 GLS (A212)                                                     | 4G32                                                                              | 1982.09~1987.10                                                                     | 1597                                                                                |
|             | TREDIA (A21) - 1.8 GLS (A215)                                                     | 4G37                                                                              | 1984.08~1986.07                                                                     | 1755                                                                                |
|             | TREDIA (A21) - 1.8 Turbo                                                          | G62B                                                                              | 1984.08~1986.07                                                                     | 1796                                                                                |
|             | VERADA Estate (KS) - 3.0                                                          | 6G72(DOHC 24V)                                                                    | 1995.10~1996.09                                                                     | 2972                                                                                |
| NISSAN      | 200 SX (S13) - 1.8 Turbo                                                          | CA18DET                                                                           | 1988.07~1993.11                                                                     | 1809                                                                                |
|             | 300 ZX (Z31) - 3.0                                                                | VG30E                                                                             | 1984.01~1987.12                                                                     | 2960                                                                                |
|             | 300 ZX (Z32) - 3.0 Twin Turbo                                                     | VG30DETT                                                                          | 1990.05~1995.09                                                                     | 2960                                                                                |
|             | ALMERA I Hatchback (N15) - 2.0 D                                                  | CD20                                                                              | 1995.11~2000.03                                                                     | 1974                                                                                |
|             | ALMERA II Hatchback (N16) - 1.5 dCi                                               | K9K 722                                                                           | 2003.01~                                                                            | 1461                                                                                |
|             | BLUEBIRD (T72, T12) - 1.6                                                         | CA16S                                                                             | 1986.03~1990.06                                                                     | 1598                                                                                |
|             | BLUEBIRD (U11) - 1.8                                                              | CA18S                                                                             | 1983.11~1988.06                                                                     | 1809                                                                                |
|             | BLUEBIRD (U11) - 2.0 D                                                            | LD20                                                                              | 1984.04~1988.01                                                                     | 1952                                                                                |
|             | BLUEBIRD (U11) - 2.0 i                                                            | CA20E                                                                             | 1984.04~1988.01                                                                     | 1974                                                                                |
|             | BLUEBIRD Hatchback (T72, T12) - 1.8 i 16V (FRLT72)                                | CA18D                                                                             | 1989.02~1990.12                                                                     | 1809                                                                                |
|             | CHERRY III (N12) - 1.3                                                            | E13                                                                               | 1982.05~1986.10                                                                     | 1269                                                                                |
|             | CHERRY III (N12) - 1.5                                                            | E15S                                                                              | 1983.11~1986.10                                                                     | 1488                                                                                |
|             | INTERSTAR Bus (X70) - dCi 100                                                     | G9U 720                                                                           | 2003.11~                                                                            | 2463                                                                                |
|             | INTERSTAR Bus (X70) - dCi 120                                                     | G9U 650                                                                           | 2006.09~                                                                            | 2464                                                                                |
|             | INTERSTAR Bus (X70) - dCi 120                                                     | G9U 720                                                                           | 2002.07~                                                                            | 2463                                                                                |
|             | INTERSTAR Bus (X70) - dCi 80                                                      | F9Q 772                                                                           | 2002.07~                                                                            | 1870                                                                                |
|             | INTERSTAR Bus (X70) - dCi 90                                                      | G9T 722                                                                           | 2002.07~                                                                            | 2188                                                                                |
|             | INTERSTAR Platform/Chassis - dCi 100                                              | G9U 720                                                                           | 2004.02~                                                                            | 2463                                                                                |
|             | INTERSTAR Platform/Chassis - dCi 120                                              | G9U 720                                                                           | 2003.08~                                                                            | 2463                                                                                |
|             | INTERSTAR Platform/Chassis - dCi 150                                              | G9U 632                                                                           | 2006.08~                                                                            | 2464                                                                                |
|             | JUKE (F15) - 1.5 dCi                                                              | K9K 410, K9K 636, K9K 896                                                         | 2010.06~                                                                            | 1461                                                                                |
|             | KUBISTAR (X76) - 1.2                                                              | D7F 764                                                                           | 2003.08~                                                                            | 1149                                                                                |
|             | KUBISTAR (X76) - 1.2 16V                                                          | D4F 712                                                                           | 2006.04~                                                                            | 1149                                                                                |
|             | KUBISTAR (X76) - 1.5 dCi                                                          | K9K 710, K9K 714                                                                  | 2003.08~                                                                            | 1461                                                                                |
|             | KUBISTAR (X76) - 1.6 16V                                                          | K4M 752                                                                           | 2003.08~                                                                            | 1598                                                                                |
|             | KUBISTAR Box (X80) - 1.2                                                          | D7F 764                                                                           | 2003.08~                                                                            | 1149                                                                                |
|             | KUBISTAR Box (X80) - 1.2 16V                                                      | D4F 712                                                                           | 2006.04~                                                                            | 1149                                                                                |
|             | KUBISTAR Box (X80) - 1.6 16V                                                      | K4M 752                                                                           | 2003.08~                                                                            | 1598                                                                                |
|             | LAUREL (JC32) - 2.8 D                                                             | LD28                                                                              | 1985.01~1987.12                                                                     | 2792                                                                                |

|  |              |              |  |         |         |  |          |          |  |         |         |  |     |  |         |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|---------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3   | HAT 1                                                                               | ADT |                                                                                     |         |
| GT80480                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT10070                                                                             | GT80800      | GT90700      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT10010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT80890                                                                             | GT80950      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT80890                                                                             | GT80950      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT10031                                                                             | GT80480      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT10090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT90900                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT80340                                                                             | GT90600      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT80910                                                                             |              |              | GT80920                                                                             | GT80930 |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT60790                                                                             | GT80760      |              | GT80810                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         | GTA0370                                                                             |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     | GTB0100 |
| GT90890                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT90890                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT80740                                                                             | GT80770      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT90890                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT90900                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT80110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
| GT80110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     | GTB0420 |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         | GTA0050                                                                             |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     | GTB0420 |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0420                                                                             |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0420                                                                             |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0420                                                                             |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |         |         |                                                                                     |     |                                                                                     |         |
| GT90180                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              | GT30510                                                                             | GT70770 |         |                                                                                     |          |          |                                                                                     |         | GTB0160 |                                                                                     |     |                                                                                     |         |
| GT90180                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |         |         |                                                                                     |     |                                                                                     |         |
|                                                                                     |              |              | GT30510                                                                             |         |         |                                                                                     |          |          |                                                                                     | GTB0160 |         |                                                                                     |     |                                                                                     |         |
| GT80790                                                                             |              |              | GT90160                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |         |

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|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| NISSAN        | MAXIMA II (J30) - 3.0 i                                                           | VG30E                                                                             | 1988.10~1994.06                                                                     | 2960                                                                                |
|               | MICRA I (K10) - 1.0                                                               | MA10S                                                                             | 1982.12~1989.12                                                                     | 988                                                                                 |
|               | MICRA I (K10) - 1.2                                                               | MA12S                                                                             | 1986.07~1992.07                                                                     | 1235                                                                                |
|               | MICRA II (K11) - 1.5 D                                                            | TD15                                                                              | 1998.02~2003.02                                                                     | 1527                                                                                |
|               | MICRA III (K12) - 1.5 dCi                                                         | K9K 704                                                                           | 2003.01~2010.06                                                                     | 1461                                                                                |
|               | NOTE (E11) - 1.5 dCi                                                              | K9K 700                                                                           | 2006.03~                                                                            | 1461                                                                                |
|               | PATHFINDER (R50) - 3.3 V6 4WD                                                     | VG33E                                                                             | 1998.03~2000.10                                                                     | 3275                                                                                |
|               | PATROL GR I (Y60, GR) - 2.8 TD (Y60A)                                             | RD28T                                                                             | 1988.09~1997.06                                                                     | 2826                                                                                |
|               | PATROL GR II Wagon (Y61) - 2.8 TD                                                 | RD28Ti                                                                            | 1997.06~2000.05                                                                     | 2826                                                                                |
|               | PATROL GR II Wagon (Y61) - 3.0 Dti                                                | ZD30DDTi                                                                          | 2000.05~                                                                            | 2953                                                                                |
|               | PATROL Station Wagon (W260) - 2.8 TD                                              | RD28T                                                                             | 1989.06~1995.11                                                                     | 2826                                                                                |
|               | PRAIRIE (M10, NM10) - 1.5 S (M10)                                                 | E15S                                                                              | 1984.01~1987.12                                                                     | 1488                                                                                |
|               | PRAIRIE (M10, NM10) - 1.8 SGL (M10)                                               | CA18S                                                                             | 1983.07~1985.12                                                                     | 1809                                                                                |
|               | PRIMASTAR Box (X83) - dCi 140                                                     | G9U 730                                                                           | 2003.07~                                                                            | 2463                                                                                |
|               | PRIMASTAR Bus (X83) - dCi 100                                                     | F9Q 760                                                                           | 2001.03~                                                                            | 1870                                                                                |
|               | PRIMASTAR Bus (X83) - dCi 115                                                     | G9U 720                                                                           | 2008.09~                                                                            | 2464                                                                                |
|               | PRIMASTAR Bus (X83) - dCi 140                                                     | G9U 730                                                                           | 2003.07~                                                                            | 2463                                                                                |
|               | PRIMERA (P10) - 2.0 D                                                             | CD20                                                                              | 1991.01~1996.01                                                                     | 1974                                                                                |
|               | PRIMERA Traveller (W10) - 2.0 D                                                   | CD20                                                                              | 1990.07~1995.12                                                                     | 1974                                                                                |
|               | QASHQAI / QASHQAI +2 (J10, JJ10) - 1.5 dCi                                        | K9K 410                                                                           | 2008.07~                                                                            | 1461                                                                                |
|               | QASHQAI / QASHQAI +2 (J10, JJ10) - 2.0                                            | MR20DE                                                                            | 2007.02~                                                                            | 1997                                                                                |
|               | SERENA (C23M) - 2.0 D                                                             | LD20                                                                              | 1992.11~2001.09                                                                     | 1952                                                                                |
|               | SUNNY Box (Y10) - 1.7 D                                                           | CD17                                                                              | 1990.11~2000.03                                                                     | 1681                                                                                |
|               | SUNNY I Coupe (B11) - 1.5                                                         | E15S                                                                              | 1982.03~1986.10                                                                     | 1488                                                                                |
|               | SUNNY II (N13) - 1.7 D                                                            | CD17                                                                              | 1986.06~1989.05                                                                     | 1681                                                                                |
|               | SUNNY II Hatchback (N13) - 1.6 GTi 16V                                            | CA16D                                                                             | 1987.06~1989.05                                                                     | 1598                                                                                |
|               | SUNNY II Hatchback (N13) - 1.7 D                                                  | CD17                                                                              | 1986.06~1991.01                                                                     | 1681                                                                                |
|               | SUNNY II Traveller (B12) - 1.6 i 4x4 (A)                                          | E16i                                                                              | 1986.06~1989.05                                                                     | 1598                                                                                |
|               | SUNNY III Hatchback (N14) - 2.0 D                                                 | CD20                                                                              | 1990.10~1995.05                                                                     | 1974                                                                                |
|               | SUNNY III Liftback (N14) - 2.0 D                                                  | CD20                                                                              | 1990.10~1995.05                                                                     | 1974                                                                                |
|               | TERRANO I (WD21) - 3.0 i 4WD                                                      | VG30E                                                                             | 1990.01~1995.12                                                                     | 2960                                                                                |
|               | TERRANO II (R20) - 3.0 Di 4WD                                                     | ZD30                                                                              | 2002.05~                                                                            | 2953                                                                                |
|               | TIIDA Hatchback (C11X) - 1.5 dCi                                                  | K9K 728                                                                           | 2007.09~                                                                            | 1461                                                                                |
|               | TIIDA Hatchback (C11X) - 1.8                                                      | MR18DE                                                                            | 2007.09~                                                                            | 1798                                                                                |
|               | VANETTE Bus (C22) - 2.0 D (ULC22)                                                 | LD20                                                                              | 1986.10~1995.12                                                                     | 1952                                                                                |
|               | VANETTE CARGO Bus (HC 23) - 2.0 D                                                 | LD20                                                                              | 1996.01~                                                                            | 1952                                                                                |
|               | VANETTE CARGO Bus (HC 23) - 2.3 D                                                 | LD23                                                                              | 1996.01~                                                                            | 2283                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT80340                                                                             | GT90600      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80780                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80780                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50520                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0370                                                                             |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80340                                                                             | GT90600      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80790                                                                             |              |              | GT90160                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80790                                                                             |              |              | GT90160                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |     |                                                                                     |
| GT80790                                                                             |              |              | GT90160                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90890                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0050                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60790                                                                             |              |              | GT80810                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80760                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0570                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80740                                                                             | GT80770      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60790                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60790                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90900                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT80810                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80760                                                                             |              |              | GT80810                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60790                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80340                                                                             | GT90600      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0100                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0570                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80770                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80760                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80740                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

Application Guide by OE Manufacturers

| OE MAKER | Vehicle Model                                    | Engine Type                    | Year From ~ To   | Displacement CC |
|----------|--------------------------------------------------|--------------------------------|------------------|-----------------|
|          |                                                  |                                |                  |                 |
| NISSAN   | X-TRAIL (T31) - 2.0                              | MR20DE                         | 2007.06~         | 1997            |
|          | ANTARA - 2.0 CDTI                                | Z 20 S                         | 2007.03~         | 1991            |
|          | ANTARA - 2.0 CDTI 4x4                            | Z 20 DMH, Z 20 S               | 2006.05~         | 1991            |
|          | ANTARA - 2.4                                     | Z 24 XED                       | 2006.05~         | 2405            |
|          | ARENA Box - 1.9 D                                | 19 DJ, 19 DL                   | 1997.01~2001.12  | 1870            |
|          | ARENA Box - 2.5 D                                | 25 DG, 25 DM                   | 1997.01~2001.12  | 2499            |
|          | ARENA Box (TB, TF) - 1.9 D                       | F8Q 600, F8Q 606               | 1998.03~2001.08  | 1870            |
|          | ARENA Combi (THB) - 1.9 D                        | F8Q 600, F8Q 606               | 1998.03~2001.08  | 1870            |
|          | ARENA Combi (THB) - 2.5 D                        | S8U 758, S8U 780, S8U 782      | 1998.03~2001.08  | 2499            |
|          | ASTRA F (56, 57) - 1.6                           | 16 LZ2, 16 NZR                 | 1995.09~1998.09  | 1598            |
|          | ASTRA F Hatchback (53, 54, 58, 59) - 1.4 i 16V   | X 14 XE                        | 1996.01~1998.01  | 1389            |
|          | ASTRA F Hatchback (53, 54, 58, 59) - 1.6         | 16 LZ2, 16 NZR                 | 1995.09~1998.01  | 1598            |
|          | ASTRA F Hatchback (53, 54, 58, 59) - 1.6 i 16V   | X 16 XEL                       | 1994.08~1998.01  | 1598            |
|          | ASTRA F Hatchback (53, 54, 58, 59) - 1.7 D       | 17 DR                          | 1992.07~1998.01  | 1700            |
|          | ASTRA F Hatchback (53, 54, 58, 59) - 1.7 TDS     | 17 DT(TC4EE1), X 17 DT(TC4EE1) | 1991.12~1998.01  | 1686            |
|          | ASTRA F Hatchback (53, 54, 58, 59) - 2.0 GSI 16V | C 20 XE                        | 1991.09~1998.01  | 1998            |
|          | ASTRA G Convertible (F67) - 1.6 16V              | Z 16 XE                        | 2001.03~2005.10  | 1598            |
|          | ASTRA G Convertible (F67) - 1.8 16V              | Z 18 XE                        | 2001.03~2005.10  | 1796            |
|          | ASTRA G Convertible (F67) - 2.0 16V Turbo        | Z 20 LET                       | 2002.11~2005.10  | 1998            |
|          | ASTRA G Coupe (F07) - 2.0 16V Turbo              | Z 20 LET                       | 2000.09~2001.08  | 1998            |
|          | ASTRA G Estate (F35) - 2.0 OPC                   | Z 20 LET                       | 2002.09~2004.07  | 1998            |
|          | ASTRA G Hatchback (F48, F08) - 1.4 16V           | X 14 XE, Z 14 XE               | 1998.02~2005.01  | 1389            |
|          | ASTRA G Hatchback (F48, F08) - 1.6               | Z 16 XEP                       | 2002.12~2009.12  | 1598            |
|          | ASTRA G Hatchback (F48, F08) - 1.6 16V           | X 16 XEL, Z 16 XE              | 1998.02~2005.01  | 1598            |
|          | ASTRA G Hatchback (F48, F08) - 2.0 16V           | X 20 XEV                       | 1998.02~2005.01  | 1998            |
|          | ASTRA G Hatchback (F48, F08) - 2.0 16V OPC       | X 20 XER                       | 1999.11~20002.09 | 1998            |
|          | ASTRA H (L48) - 1.8                              | Z 18 XE                        | 2004.03~         | 1796            |
|          | ASTRA H (L48) - 1.9 CDTI                         | Z 19 DTL                       | 2005.09~         | 1910            |
|          | ASTRA H (L48) - 2.0 Turbo                        | Z 20 LEL                       | 2004.03~2010.10  | 1998            |
|          | ASTRA H Box (L70) - 1.9 CDTI                     | Z 19 DT                        | 2005.09~         | 1910            |
|          | ASTRA H Estate (L35) - 1.9 CDTI                  | Z 19 DTL                       | 2005.09~         | 1910            |
|          | ASTRA H GTC (L08) - 1.6                          | Z 16 XE1, Z 16 XEP             | 2005.03~         | 1598            |
|          | ASTRA H GTC (L08) - 1.9 CDTI                     | Z 19 DTL                       | 2006.01~         | 1910            |
|          | ASTRA H GTC (L08) - 2.0 Turbo                    | Z 20 LEL                       | 2005.03~2010.10  | 1998            |
|          | ASTRA H TwinTop (L67) - 1.9 CDTi                 | Z 19 DTH                       | 2005.09~         | 1910            |
|          | ASTRA J - 1.6                                    | A 16 XER                       | 2009.12~         | 1598            |



2017 TENSIONER & IDLER BEARING

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |     |  |         |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|---------|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |         |
| GTA0570                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GTA0930                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTC0020                                                                             |         |
| GTA0930                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GT90540                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GT60100                                                                             | GT60110          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GT60520                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GT60530                                                                             |         |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GT60100                                                                             | GT60110          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GT60530                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0040                                                                             |         |
| GT30540                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0040                                                                             |         |
| GT30540                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0050                                                                             |         |
| GT90200                                                                             | GT90310          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GT60580                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GT90540                                                                             | GTB0050 |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0030                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0030                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0510                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0510                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0510                                                                             |         |
| GT30540                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GTA0240                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
| GT30540                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0050                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0510                                                                             |         |
| GT30540                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0390                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0510                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0390                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0390                                                                             |         |
| GTA0240                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0390                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0510                                                                             |         |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0390                                                                             |         |
| GTA0240                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |         |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60580                                                                             | GT90540 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
| GTA0390                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80250                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90150                                                                             |              |              | GT90170                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90150                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90200                                                                             | GT90310      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0030                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0470                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90200                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0040                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90150                                                                             |              |              | GT90170                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90115                                                                             | GT90560      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90230                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0040                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60580                                                                             | GT90540 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90150                                                                             |              |              | GT90170                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90110                                                                             |              |              | GT90060                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| VEHICLE MODEL | ENGINE TYPE                                                                       | YEAR FROM ~ TO                                                                    | DISPLACEMENT CC                                                                     |                                                                                     |
| OPEL          | MONTEREY B - 3.5 V6 24V                                                           | 6 VE1                                                                             | 1998.07~1999.08                                                                     | 3494                                                                                |
|               | MOVANO Box (F9) - 1.9 DTI                                                         | F9Q 770                                                                           | 2000.09~2001.10                                                                     | 1870                                                                                |
|               | MOVANO Box (F9) - 2.2 DTI                                                         | G9T 720, G9T 722, G9T 750                                                         | 2000.09~                                                                            | 2188                                                                                |
|               | MOVANO Combi (J9) - 1.9 DTI                                                       | F9Q 770                                                                           | 2000.09~2001.10                                                                     | 1870                                                                                |
|               | MOVANO Combi (J9) - 1.9 DTI                                                       | F9Q 772, F9Q 774                                                                  | 2001.10~                                                                            | 1870                                                                                |
|               | MOVANO Combi (J9) - 2.2 DTI                                                       | G9T 720, G9T 722, G9T 750                                                         | 2000.09~                                                                            | 2188                                                                                |
|               | MOVANO Combi (J9) - 2.5 D                                                         | S8U 770, S8U 772                                                                  | 1998.07~2000.09                                                                     | 2499                                                                                |
|               | MOVANO Combi (J9) - 2.5 DTI                                                       | G9U 720, G9U 724, G9U 750, G9U 754                                                | 2001.10~                                                                            | 2463                                                                                |
|               | MOVANO Dumptruck (H9) - 2.2 DTI                                                   | G9T 720, G9T 722, G9T 750                                                         | 2000.09~                                                                            | 2188                                                                                |
|               | MOVANO Platform/Chassis (U9, E9) - 2.2 DTI                                        | G9T 720, G9T 722, G9T 750                                                         | 2000.09~                                                                            | 2188                                                                                |
|               | OMEGA A (16, 17, 19) - 2.0                                                        | C 20 NEJ                                                                          | 1990.09~                                                                            | 1998                                                                                |
|               | OMEGA B (25, 26, 27) - 2.0 16V                                                    | X 20 XEV                                                                          | 1994.03~1999.09                                                                     | 1998                                                                                |
|               | SIGNUM - 1.8                                                                      | Z 18 XE                                                                           | 2003.05~                                                                            | 1796                                                                                |
|               | SIGNUM - 1.9 CDTI                                                                 | Z 19 DT                                                                           | 2005.08~                                                                            | 1910                                                                                |
|               | SPEEDSTER - 2.0 Turbo                                                             | Z 20 LET                                                                          | 2003.04~                                                                            | 1998                                                                                |
|               | TIGRA (95) - 1.4 16V                                                              | X 14 XE                                                                           | 1997.08~2000.12                                                                     | 1389                                                                                |
|               | TIGRA (95) - 1.6 16V                                                              | C 16 SEL                                                                          | 1997.08~1998.08                                                                     | 1598                                                                                |
|               | VECTRA A (86, 87) - 1.8 S                                                         | E 18 NVR                                                                          | 1988.09~1989.07                                                                     | 1796                                                                                |
|               | VECTRA A (86, 87) - 2.0                                                           | C 20 NEF                                                                          | 1988.09~1989.09                                                                     | 1998                                                                                |
|               | VECTRA A (86, 87) - 2.0 i Turbo 4x4                                               | C 20 LET                                                                          | 1994.06~1995.11                                                                     | 1998                                                                                |
|               | VECTRA A (86, 87) - 2000/GT 16V                                                   | 20 XEJ                                                                            | 1989.01~1994.06                                                                     | 1998                                                                                |
|               | VECTRA A Hatchback (88, 89) - 1.6 i                                               | 16 LZ2                                                                            | 1993.09~1995.11                                                                     | 1598                                                                                |
|               | VECTRA A Hatchback (88, 89) - 1.7 D                                               | 17 DR                                                                             | 1992.07~1995.11                                                                     | 1700                                                                                |
|               | VECTRA A Hatchback (88, 89) - 1.7 TD                                              | 17 DT(TC4EE1), X 17 DT(TC4EE1)                                                    | 1990.03~1995.11                                                                     | 1686                                                                                |
|               | VECTRA A Hatchback (88, 89) - 2.0 i 16V                                           | 20 XEJ                                                                            | 1989.02~1990.10                                                                     | 1998                                                                                |
|               | VECTRA B (36) - 2.2 i 16V                                                         | Z 22 SE                                                                           | 2000.09~2002.04                                                                     | 2198                                                                                |
|               | VECTRA B Hatchback (38) - 1.6 i 16V                                               | X 16 XEL, Y 16 XE, Z 16 XE                                                        | 1995.10~2002.07                                                                     | 1598                                                                                |
|               | VECTRA B Hatchback (38) - 1.8 i 16V                                               | X 18 XE                                                                           | 1995.10~2000.09                                                                     | 1799                                                                                |
|               | VECTRA B Hatchback (38) - 1.8 i 16V                                               | X 18 XE1, Z 18 XEL                                                                | 1995.10~2000.09                                                                     | 1796                                                                                |
|               | VECTRA B Hatchback (38) - 2.0 i 16V                                               | C 20 SEL, X 20 XEV                                                                | 1995.10~2000.09                                                                     | 1998                                                                                |
|               | VECTRA C GTS - 1.9 CDTI                                                           | Z 19 DTL                                                                          | 2005.10~                                                                            | 1910                                                                                |
|               | VIVARO Box (F7) - 2.0 ECOTEC                                                      | F4R 820                                                                           | 2006.08~                                                                            | 1998                                                                                |
|               | VIVARO Combi (J7) - 1.9 DI                                                        | F9Q 762, F9Q 774                                                                  | 2001.08~                                                                            | 1870                                                                                |
|               | VIVARO Combi (J7) - 2.0 ECOTEC                                                    | F4R 820                                                                           | 2006.08~                                                                            | 1998                                                                                |



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|-------------------------------------------------------------------------------------|---------------|---------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN- SIONER 1                                                                       | TEN- SIONER 2 | TEN- SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GT90115                                                                             | GT90560       |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT50620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT50620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT70770                                                                             |         |         | GTA0050                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30520                                                                             |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT60520                                                                             | GT60530 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0040                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0510                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30540                                                                             |         |         |                                                                                     |          |          | GTB0030                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30540                                                                             |         |         |                                                                                     |          |          | GTB0030                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0040                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0040                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT60580                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT60580                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0040                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT90200                                                                             | GT90310       |               |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT60580                                                                             |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT90540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30540                                                                             |         |         |                                                                                     |          |          | GTB0030                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0050                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         |                                                                                     |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |               |               |                                                                                     |         |         | GTA0050                                                                             |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |  |

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|          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| OPEL     | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
|          | VIVARO Combi (J7) - 2.5 DTI                                                       | G9U 730                                                                           | 2003.05~                                                                            | 2463                                                                                |
|          | VIVARO Platform/Chassis (E7) - 2.0 ECOTEC                                         | F4R 820                                                                           | 2006.08~                                                                            | 1998                                                                                |
|          | ZAFIRA A (F75) - 1.6 CNG                                                          | Z 16 YNG                                                                          | 2001.09~2005.06                                                                     | 1598                                                                                |
|          | ZAFIRA A (F75) - 1.8 16V                                                          | Z 18 XE                                                                           | 2000.09~2005.06                                                                     | 1796                                                                                |
|          | ZAFIRA A (F75) - 2.0 OPC                                                          | Z 20 LET                                                                          | 2001.09~2005.06                                                                     | 1998                                                                                |
|          | ZAFIRA B (A05) - 1.8                                                              | A 18 XEL                                                                          | 2013.06~                                                                            | 1796                                                                                |
|          | ZAFIRA B (A05) - 1.9 CDTI                                                         | Z 19 DTL                                                                          | 2005.07~                                                                            | 1910                                                                                |
| PEUGEOT  | ZAFIRA B (A05) - 2.0                                                              | Z 20 LER                                                                          | 2005.07~                                                                            | 1998                                                                                |
|          | 1007 (KM) - 1.4 16V                                                               | KFU(ET3J4)                                                                        | 2005.10~                                                                            | 1360                                                                                |
|          | 1007 (KM) - 1.4 Hdï                                                               | 8HX(DV4TD),<br>8HZ(DV4TD)                                                         | 2005.04~                                                                            | 1398                                                                                |
|          | 1007 (KM) - 1.6 16V                                                               | NFU(TU5JP4)                                                                       | 2005.04~                                                                            | 1587                                                                                |
|          | 1007 (KM) - 1.6 Hdï                                                               | 9HZ(DV6TED4)                                                                      | 2007.06~                                                                            | 1560                                                                                |
|          | 106 I (1A, 1C) - 1.0                                                              | CDY(TU9M), TU9                                                                    | 1991.09~1996.04                                                                     | 954                                                                                 |
|          | 106 I (1A, 1C) - 1.1                                                              | HDZ(TU1M)                                                                         | 1991.09~1996.04                                                                     | 1124                                                                                |
|          | 106 I (1A, 1C) - 1.3                                                              | TU2J2                                                                             | 1993.10~1996.04                                                                     | 1294                                                                                |
|          | 106 I (1A, 1C) - 1.3 Cast Iron                                                    | TU2J2                                                                             | 1993.10~1996.04                                                                     | 1294                                                                                |
|          | 106 I (1A, 1C) - 1.4                                                              | K5A(TU3)                                                                          | 1991.08~1996.03                                                                     | 1360                                                                                |
|          | 106 I (1A, 1C) - 1.4 (TQ:101) Cast Iron                                           | TU3J, TU3MC                                                                       | 1991.09~1996.04                                                                     | 1361                                                                                |
|          | 106 I (1A, 1C) - 1.4 (TQ:108)                                                     | TU3M, TU3MC                                                                       | 1991.09~1996.04                                                                     | 1361                                                                                |
|          | 106 I (1A, 1C) - 1.4 Cast Iron                                                    | TU3                                                                               | 1991.08~1996.03                                                                     | 1360                                                                                |
|          | 106 I (1A, 1C) - 1.4 D                                                            | K9Y(TUD3Y)                                                                        | 1992.09~1996.04                                                                     | 1361                                                                                |
|          | 106 I (1A, 1C) - 1.5 D                                                            | VJY(TUD5)                                                                         | 1994.06~1996.04                                                                     | 1527                                                                                |
|          | 106 I (1A, 1C) - 1.6                                                              | NFZ(TU5JP)                                                                        | 1993.06~1996.04                                                                     | 1587                                                                                |
|          | 106 I (1A, 1C) - 1.6 Cast Iron                                                    | TU5J2, TU5JP                                                                      | 1994.01~1996.04                                                                     | 1587                                                                                |
|          | 106 II (1) - 1.1 i                                                                | HDZ(TU1M),<br>HFX(TU1JP)                                                          | 1996.05~                                                                            | 1124                                                                                |
|          | 106 II (1) - 1.4 i                                                                | KFW(TU3JP),<br>KFX(TU3JP)                                                         | 1996.05~                                                                            | 1360                                                                                |
|          | 106 II (1) - 1.5 D                                                                | VJY(TUD5)                                                                         | 1996.05~                                                                            | 1527                                                                                |
|          | 106 II (1) - 1.6 i                                                                | NFZ(TU5JP)                                                                        | 1996.05~                                                                            | 1587                                                                                |
|          | 107 - 1.4 Hdï                                                                     | 8HT(DV4TD)                                                                        | 2005.06~                                                                            | 1398                                                                                |
|          | 205 Box - 1.7 Diesel                                                              | 161A(XUD7)                                                                        | 1994.03~                                                                            | 1769                                                                                |
|          | 205 I (741A/C) - 1.6                                                              | B1E(XU51C)                                                                        | 1987.03~1987.10                                                                     | 1580                                                                                |
|          | 205 I (741A/C) - 1.7 Diesel                                                       | 161A(XUD7)                                                                        | 1983.08~1987.10                                                                     | 1769                                                                                |
|          | 205 I (741A/C) - 1.9 GTI                                                          | DFZ(XU9J1)                                                                        | 1987.03~1987.10                                                                     | 1905                                                                                |
|          | 205 I Convertible (741B, 20D) - 1.1 CJ                                            | HDZ(TU1M)                                                                         | 1989.10~1994.12                                                                     | 1124                                                                                |
|          | 205 I Convertible (741B, 20D) - 1.4 (TQ:108)                                      | TU3S                                                                              | 1987.08~1994.06                                                                     | 1360                                                                                |
|          | 205 I Convertible (741B, 20D) - 1.4 CJ                                            | K1D(TU3A)                                                                         | 1989.03~1994.12                                                                     | 1360                                                                                |

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| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |                  |                  | GT30520                                                                             |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0250                                                                             |
|                                                                                     |                  |                  | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0030                                                                             |
|                                                                                     |                  |                  | GT30540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0510                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0240                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0510                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0230                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0120                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30500                                                                             |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             | GT80260          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             | GT80260          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             | GT80260          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50520                                                                             |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50520                                                                             |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             | GT80260          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0110                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0110                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50520                                                                             |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30500                                                                             |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50570                                                                             |                  |                  | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             | GT80460          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60130                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             | GT80260          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80240                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

## Application Guide by OE Manufacturers

| OE MAKER |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| PEUGEOT  | 205 I Convertible (741B, 20D) - 1.4 CJ (TQ:101) Cast Iron                         | TU3-2, TU3M, TU3MC                                                                | 1988.03~1989.05                                                                     | 1360                                                                                |
|          | 205 I Convertible (741B, 20D) - 1.4 CJ (TQ:108)                                   | TU3                                                                               | 1988.03~1989.05                                                                     | 1360                                                                                |
|          | 205 I Convertible (741B, 20D) - 1.4 CJ CAT (TQ:108)                               | TU3CP                                                                             | 1989.01~1993.09                                                                     | 1361                                                                                |
|          | 205 I Convertible (741B, 20D) - 1.6 CJ (TQ:114)                                   | XU5M3Z                                                                            | 1992.08~1994.12                                                                     | 1580                                                                                |
|          | 205 I Convertible (741B, 20D) - 1.9 CTI (TQ:114)                                  | XU9J1                                                                             | 1992.01~1998.09                                                                     | 1905                                                                                |
|          | 205 II (20A/C) - 1.0                                                              | TU9                                                                               | 1987.10~1998.09                                                                     | 954                                                                                 |
|          | 205 II (20A/C) - 1.3 Rallye                                                       | TU24                                                                              | 1987.10~1990.10                                                                     | 1294                                                                                |
|          | 205 II (20A/C) - 1.6                                                              | B1A(XU51C), BAZ(XU5CP)                                                            | 1987.10~1998.09                                                                     | 1580                                                                                |
|          | 205 II (20A/C) - 1.6                                                              | B1E(XU51C)                                                                        | 1987.10~1998.09                                                                     | 1580                                                                                |
|          | 205 II (20A/C) - 1.7 Diesel                                                       | 161A(XUD7)                                                                        | 1987.07~1998.09                                                                     | 1769                                                                                |
|          | 205 II (20A/C) - 1.8 XDT                                                          | XUD7T                                                                             | 1990.08~1994.01                                                                     | 1769                                                                                |
|          | 205 II (20A/C) - 1.9 Diesel                                                       | DJZ(XUD9Y)                                                                        | 1987.10~1998.09                                                                     | 1905                                                                                |
|          | 205 II (20A/C) - 1.9 GTI                                                          | D2A(XU92C)                                                                        | 1987.10~1989.05                                                                     | 1905                                                                                |
|          | 206 CC (2D) - 2.0 S16                                                             | RFN(EW10J4)                                                                       | 2000.09~                                                                            | 1997                                                                                |
|          | 206 Hatchback (2A/C) - 1.1 (MOT:3762433)                                          | TU1JP                                                                             | 1998.08~2000.07                                                                     | 1124                                                                                |
|          | 206 Hatchback (2A/C) - 1.1 i                                                      | HFX(TU1JP), HFZ(TU1JP)                                                            | 1998.09~                                                                            | 1124                                                                                |
|          | 206 Hatchback (2A/C) - 1.1 I (MOT:3762433)                                        | TU1JP                                                                             | 1998.09~                                                                            | 1124                                                                                |
|          | 206 Hatchback (2A/C) - 1.4 16V                                                    | KFU(ET3J4)                                                                        | 2003.10~                                                                            | 1360                                                                                |
|          | 206 Hatchback (2A/C) - 1.4 HDi eco 70                                             | 8HX(DV4TD), 8HZ(DV4TD)                                                            | 2001.09~                                                                            | 1398                                                                                |
|          | 206 Hatchback (2A/C) - 1.4 i                                                      | KFW(TU3JP), KFX(TU3JP)                                                            | 1998.09~                                                                            | 1360                                                                                |
|          | 206 Hatchback (2A/C) - 1.4 I (MOT:3666765)                                        | TU3JP                                                                             | 1998.09~                                                                            | 1360                                                                                |
|          | 206 Hatchback (2A/C) - 1.6 16V                                                    | NFU(TU5JP4)                                                                       | 2000.12~                                                                            | 1587                                                                                |
|          | 206 Hatchback (2A/C) - 1.6 i                                                      | TU5JP                                                                             | 1998.09~2000.12                                                                     | 1587                                                                                |
|          | 206 Hatchback (2A/C) - 1.9 D                                                      | WJZ(DW8)                                                                          | 1998.09~2001.11                                                                     | 1868                                                                                |
|          | 206 Hatchback (2A/C) - 2.0 HDI 90                                                 | RHY(DW10TD)                                                                       | 1999.12~                                                                            | 1997                                                                                |
|          | 206 Hatchback (2A/C) - 2.0 S16                                                    | RFR(DEW10J4)                                                                      | 1999.04~2000.10                                                                     | 1997                                                                                |
|          | 206 SW (2E/K) - 2.0 HdI                                                           | RHY(DW10TD)                                                                       | 2002.07~                                                                            | 1997                                                                                |
|          | 206+ (T3E) - 1.1                                                                  | HFX(TU1A), HFX(TU1JP), TU1AE5                                                     | 2009.01~                                                                            | 1124                                                                                |
|          | 206+ (T3E) - 1.4 HDi eco 70                                                       | 8HX(DV4TD), 8HZ(DV4TD)                                                            | 2009.01~                                                                            | 1398                                                                                |
|          | 206+ (T3E) - 1.4 i                                                                | KFV(TU3A), KFW(TU3A)                                                              | 2009.01~                                                                            | 1360                                                                                |
|          | 207 (WA, WC) - 1.4 16V                                                            | KFU(ET3J4)                                                                        | 2006.02~                                                                            | 1360                                                                                |
|          | 207 (WA, WC) - 1.4 HdI                                                            | 8HR(DV4C), 8HZ(DV4TD)                                                             | 2006.02~                                                                            | 1398                                                                                |
|          | 3008 - 1.6 HdI                                                                    | 9HZ(DV6TED4)                                                                      | 2009.06~                                                                            | 1560                                                                                |

|  |              |              |  |         |         |  |          |          |  |         |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT80460                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT50570                                                                             | GT60130      | GT60140      | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT50610                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0360                                                                             |          |          | GTB0110                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0230                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0140                                                                             |          |          | GTB0200                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0110                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0120                                                                             | GTB0240 |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080      |              | GT30610                                                                             |         |         | GTA0010                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0110                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0110                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0230                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |         |       |                                                                                     |     |                                                                                     |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |  |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GT50610                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50610                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60130    GT60140                                                                  |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50570                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |

|  |             |             |  |         |         |  |          |          |  |       |       |  |  |
|-------------------------------------------------------------------------------------|-------------|-------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TENSIONER 1                                                                         | TENSIONER 2 | TENSIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GTB0340                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50610                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50610                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60130 GT60140                                                                     |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80460                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50610                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60130 GT60140                                                                     |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60140                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50610 GT80260                                                                     |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60140                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50610                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50560 GT60130                                                                     |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50610                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60130 GT80460                                                                     |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50560 GT50570 GT60130 GT50590                                                     |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80260                                                                             |             |             |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |



## Application Guide by OE Manufacturers

| OE MAKER | Vehicle Model                | Engine Type           | Year From ~ To  | Displacement CC |
|----------|------------------------------|-----------------------|-----------------|-----------------|
|          |                              |                       |                 |                 |
| PEUGEOT  | 406 (8B) - 1.8 16V           | 6FZ(EW7J4)            | 2000.10~2004.05 | 1749            |
|          | 406 (8B) - 1.8 16V           | LFY(XU7JP4)           | 1995.11~2000.10 | 1761            |
|          | 406 (8B) - 1.9 D             | DHW(XUD9SD)           | 1996.10~2004.05 | 1905            |
|          | 406 (8B) - 2.0 16V           | RFV(XU10J4R)          | 1995.11~2004.05 | 1998            |
|          | 406 (8B) - 2.0 HDi 90        | RHY(DW10TD)           | 1999.02~2004.05 | 1997            |
|          | 406 (8B) - 2.0 Turbo         | XU10J2TE              | 1996.04~2004.05 | 1998            |
|          | 406 (8B) - 2.1 TD 12V        | P8C(XUD11BTE)         | 1996.01~2004.05 | 2088            |
|          | 406 (8B) - 3.0 24V           | XFZ(ES9J4)            | 1996.10~2004.05 | 2946            |
|          | 406 Break (8E/F) - 1.8       | XU7JB                 | 1997.05~2004.10 | 1761            |
|          | 406 Break (8E/F) - 2.0 Turbo | XU10J2TE              | 1996.10~2004.10 | 1998            |
|          | 406 Break (8E/F) - 3.0 24V   | XFZ(ES9J4)            | 1996.10~2004.10 | 2946            |
|          | 407 (6D) - 1.6 HDi 110       | 9HZ(DV6TED4)          | 2004.05~        | 1560            |
|          | 407 (6D) - 1.8               | 6FZ(EW7J4)            | 2004.05~        | 1749            |
|          | 407 (6D) - 2.0               | RFN(EW10J4)           | 2004.05~        | 1997            |
|          | 407 (6D) - 2.0 HDi 135       | RHR(DW10BTED4)        | 2004.05~        | 1997            |
|          | 407 (6D) - 2.2               | 3FZ(EW12J4)           | 2004.05~        | 2230            |
|          | 407 (6D) - 3.0               | XFV(ES9A)             | 2004.05~        | 2946            |
|          | 407 SW (6E) - 1.6 HDi 110    | 9HZ(DV6TED4)          | 2004.05~        | 1560            |
|          | 5008 - 1.6 HdI               | 9HZ(DV6TED4)          | 2009.09~        | 1560            |
|          | 508 - 2.0 HDi                | RHF(DW10BTED4)        | 2010.11~        | 1997            |
|          | 605 (6B) - 2.0               | RFZ(XU10J2Z)          | 1989.06~1999.09 | 1998            |
|          | 605 (6B) - 2.0               | XU102C, XU10J2, XU10M | 1993.02~1999.09 | 1998            |
|          | 605 (6B) - 2.0 16V           | RFV(XU10J4R)          | 1994.07~1999.09 | 1998            |
|          | 605 (6B) - 2.0 Turbo         | XU10J2TE              | 1991.07~1999.09 | 1998            |
|          | 605 (6B) - 2.1 Turbo Diesel  | PHZ(XUD11ATE)         | 1989.06~1999.09 | 2088            |
|          | 605 (6B) - 3.0 V6            | XFZ(ES9J4)            | 1997.04~1999.09 | 2946            |
|          | 607 (9D, 9U) - 2.0           | RFN(EW10J4)           | 2000.02~        | 1997            |
|          | 607 (9D, 9U) - 2.0 HdI       | RHR(DW10BTED4)        | 2005.09~        | 1997            |
|          | 607 (9D, 9U) - 2.0 HdI       | RHS(DW10ATED)         | 2001.03~2004.07 | 1997            |
|          | 607 (9D, 9U) - 2.2 16V       | 3FZ(EW12J4)           | 2000.02~        | 2230            |
|          | 806 (221) - 1.8              | XU7JP                 | 1995.07~2002.08 | 1761            |
|          | 806 (221) - 1.9 TD           | DHX(XUD9TE)           | 1995.07~2002.08 | 1905            |
|          | 806 (221) - 2.0              | XU10J2                | 1994.06~2002.08 | 1998            |
|          | 806 (221) - 2.0 16V          | RFN(EW10J4)           | 2000.09~2002.08 | 1997            |
|          | 806 (221) - 2.0 16V          | RFV(XU10J4R)          | 1998.05~2000.09 | 1998            |
|          | 806 (221) - 2.0 HDI          | RHZ(DW10ATED)         | 1999.08~2002.08 | 1997            |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |     |  |  |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT50510                                                                             |                  |                  | GT30610                                                                             |         |         | GTB0310                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50560                                                                             | GT50570          | GT50590          |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50510                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60070                                                                             | GT60080          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50560                                                                             |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0140                                                                             |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT30500                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80300                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50510                                                                             |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50560                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT60070                                                                             | GT60080          | GT30610          |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50560                                                                             | GT50570          | GT50590          |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT50510                                                                             |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60070                                                                             | GT60080          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| PEUGEOT       | 806 (221) - 2.0 Turbo                                                             | XU10J2TE                                                                          | 1994.06~2002.08                                                                     | 1998                                                                                |
|               | 807 (E) - 2.0                                                                     | RFN(EW10J4)                                                                       | 2002.06~                                                                            | 1997                                                                                |
|               | 807 (E) - 2.0 Hd                                                                  | RHK(DW10UTED4)                                                                    | 2006.02~                                                                            | 1997                                                                                |
|               | 807 (E) - 3.0 V6                                                                  | XFX(ES9J4S)                                                                       | 2002.06~                                                                            | 2946                                                                                |
|               | BIPPER (AA) - 1.4                                                                 | KFV(TU3A)                                                                         | 2008.02~                                                                            | 1360                                                                                |
|               | BIPPER (AA) - 1.4 Hd                                                              | 8HS(DV4TED)                                                                       | 2008.02~                                                                            | 1398                                                                                |
|               | BOXER Box (230L) - 1.9 TD                                                         | D8C(XUD9UTF)                                                                      | 1994.03~2002.04                                                                     | 1905                                                                                |
|               | BOXER Box (230L) - 2.0 HDI                                                        | RHV(DW10UTD)                                                                      | 2001.08~2002.04                                                                     | 1997                                                                                |
|               | BOXER Box (230L) - 2.5 D                                                          | T9A(DJ5)                                                                          | 1994.03~2002.04                                                                     | 2446                                                                                |
|               | BOXER Box (230L) - 2.8 D                                                          | 8140.63(F28D)                                                                     | 1999.01~2002.02                                                                     | 2798                                                                                |
|               | BOXER Box (244) - 2.2 HDI                                                         | 4HY(DW12UTED)                                                                     | 2002.04~                                                                            | 2179                                                                                |
|               | BOXER Box (244) - 2.8 Hd                                                          | 8140.43N                                                                          | 2004.04~                                                                            | 2798                                                                                |
|               | BOXER Bus - 2.2 Hd 100                                                            | 4HV(P22DTE)                                                                       | 2006.04~                                                                            | 2198                                                                                |
|               | BOXER Bus (230P) - 1.9 D                                                          | D9B(XUD9AU)                                                                       | 1994.03~2002.04                                                                     | 1905                                                                                |
|               | BOXER Bus (230P) - 2.5 D                                                          | T9A(DJ5)                                                                          | 1994.08~2002.04                                                                     | 2446                                                                                |
|               | BOXER Bus (230P) - 2.8 D                                                          | 8140.63(F28D)                                                                     | 1999.01~2002.02                                                                     | 2798                                                                                |
|               | BOXER Bus (230P) - 2.8 HDI                                                        | 8140.43S(F28DTCR)                                                                 | 2000.11~2002.04                                                                     | 2798                                                                                |
|               | BOXER Platform/Chassis (ZCT) - 1.9 TD                                             | DHY(XUD9TE)                                                                       | 1998.12~2002.04                                                                     | 1905                                                                                |
|               | BOXER Platform/Chassis (ZCT) - 2.5 D                                              | T9A(DJ5)                                                                          | 1994.03~2002.04                                                                     | 2446                                                                                |
|               | BOXER Platform/Chassis (ZCT) - 2.8 D                                              | 8140.63(F28D)                                                                     | 1999.01~2002.02                                                                     | 2798                                                                                |
|               | EXPERT (224) - 1.6                                                                | 222A2(1580 SPI)                                                                   | 1996.02~                                                                            | 1581                                                                                |
|               | EXPERT (224) - 1.8                                                                | XU7JP                                                                             | 1996.10~2000.09                                                                     | 1761                                                                                |
|               | EXPERT (224) - 1.9 D                                                              | D9B(XUD9AU)                                                                       | 1996.02~                                                                            | 1905                                                                                |
|               | EXPERT (224) - 2.0                                                                | RFN(EW10J4)                                                                       | 2000.07~                                                                            | 1997                                                                                |
|               | EXPERT (224) - 2.0 Hd                                                             | RHX(DW10BTED)                                                                     | 2000.10~2003.11                                                                     | 1997                                                                                |
|               | EXPERT (224) - 2.0 Hd                                                             | RHZ(DW10ATED),<br>RHZ(DW10BTED),<br>RHZ(DW10CTED)                                 | 2000.07~                                                                            | 1997                                                                                |
|               | EXPERT Box (222) - 1.8                                                            | XU7JP                                                                             | 1996.10~2000.09                                                                     | 1761                                                                                |
|               | EXPERT Box (222) - 1.9 D                                                          | D9B(XUD9AU)                                                                       | 1996.02~                                                                            | 1905                                                                                |
|               | EXPERT Box (222) - 1.9 D 70                                                       | WJY(DW8B),<br>WJZ(DW8)                                                            | 1998.12~                                                                            | 1868                                                                                |
|               | EXPERT Box (222) - 2.0 HDI                                                        | RHX(DW10BTED)                                                                     | 2000.07~                                                                            | 1997                                                                                |
|               | EXPERT Tepee (VF3V) - 1.6 Hd 90 16V                                               | 9HU(DV6UTED4)                                                                     | 2007.01~                                                                            | 1560                                                                                |
|               | EXPERT Tepee (VF3V) - 2.0 Hd 120                                                  | RHK(DW10UTED4)                                                                    | 2007.01~                                                                            | 1997                                                                                |
|               | J5 Bus (280P) - 2.5 D                                                             | CRD93(U25, 661)                                                                   | 1981.09~1990.09                                                                     | 2498                                                                                |
|               | J5 Bus (290P) - 1.9 D                                                             | D9B(XUD9A)                                                                        | 1990.10~1994.02                                                                     | 1905                                                                                |
|               | J5 Platform/Chassis (280L) - 2.5 D                                                | CRD93(U25, 661)                                                                   | 1981.09~1990.09                                                                     | 2500                                                                                |



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| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0110                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60120                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0010                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0310                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50570                                                                             |                  |                  | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60120                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60530                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50570                                                                             |                  |                  | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60120                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570          |                  | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0220                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80260                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50560                                                                             | GT50570          |                  | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60070                                                                             | GT60080          |                  |                                                                                     |         |         | GTA0010                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60080                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50530                                                                             |                  |                  | GT80290                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60130                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50530                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| PEUGEOT       | J5 Platform/Chassis (290L) - 1.9 D                                                | D9B(XUD9A)                                                                        | 1990.10~1994.02                                                                     | 1905                                                                                |
|               | J5 Platform/Chassis (290L) - 2.5 D                                                | CRD93(U25, 661)                                                                   | 1990.10~1994.02                                                                     | 2500                                                                                |
|               | PARTNER Box (5) - 1.1                                                             | HDZ(TU1M)                                                                         | 1996.06~                                                                            | 1124                                                                                |
|               | PARTNER Box (5) - 1.1                                                             | TU1M+                                                                             | 1996.06~                                                                            | 1124                                                                                |
|               | PARTNER Box (5) - 1.1 (MOT:3762433)                                               | TU1JP                                                                             | 1996.06~                                                                            | 1124                                                                                |
|               | PARTNER Box (5) - 1.4                                                             | KFX(TU3JP), TU32                                                                  | 1996.06~                                                                            | 1360                                                                                |
|               | PARTNER Box (5) - 1.4                                                             | TU3-2                                                                             | 1996.06~                                                                            | 1360                                                                                |
|               | PARTNER Box (5) - 1.4 (MOT:3666765)                                               | TU3JP                                                                             | 1996.06~                                                                            | 1360                                                                                |
|               | PARTNER Box (5) - 1.8 D                                                           | A9A(XUD7)                                                                         | 1996.06~                                                                            | 1769                                                                                |
|               | PARTNER Box (5) - 1.9 D 4x4                                                       | WJY(DW8B)                                                                         | 2004.04~                                                                            | 1868                                                                                |
|               | PARTNER Box (5) - 2.0 Hdi                                                         | RHY(DW10TD)                                                                       | 2000.04~                                                                            | 1997                                                                                |
|               | PARTNER Combispace (5F) - 1.1                                                     | TU1M+                                                                             | 1996.06~                                                                            | 1124                                                                                |
|               | PARTNER Combispace (5F) - 1.1 (MOT:3762433)                                       | TU1JP                                                                             | 1996.06~                                                                            | 1124                                                                                |
|               | PARTNER Combispace (5F) - 1.4                                                     | TU3-2                                                                             | 1996.06~                                                                            | 1360                                                                                |
|               | PARTNER Combispace (5F) - 1.4 (MOT:3666765)                                       | TU3JP                                                                             | 1996.06~                                                                            | 1360                                                                                |
|               | PARTNER Combispace (5F) - 1.6 16V                                                 | NFU(TU5JP4)                                                                       | 2001.07~                                                                            | 1587                                                                                |
|               | PARTNER Combispace (5F) - 1.6 HDi 75                                              | 9HW(DV6BTED4)                                                                     | 2006.02~                                                                            | 1560                                                                                |
|               | PARTNER Combispace (5F) - 1.8                                                     | XU7JB                                                                             | 1997.05~                                                                            | 1761                                                                                |
|               | PARTNER Combispace (5F) - 1.9 D                                                   | DJY(XUD9A)                                                                        | 1996.06~                                                                            | 1905                                                                                |
|               | PARTNER Combispace (5F) - 1.9 D                                                   | WJY(DW8B), WJZ(DW8)                                                               | 1998.12~                                                                            | 1868                                                                                |
|               | PARTNER Combispace (5F) - 2.0 HDI                                                 | RHY(DW10TD)                                                                       | 2000.02~                                                                            | 1997                                                                                |
| PLY MOUTH     | BREEZE - 2.4 16V                                                                  | EDZ                                                                               | 1995.12~2001.04                                                                     | 2429                                                                                |
|               | NEON II Saloon - 2.0 16V                                                          | ECB                                                                               | 1999.08~                                                                            | 1996                                                                                |
|               | NEON Saloon - 2.0 16V                                                             | ECB                                                                               | 1994.05~1999.08                                                                     | 1996                                                                                |
|               | VOYAGER / GRAN VOYAGER - 3.3 i                                                    | EGM                                                                               | 1995.01~2001.03                                                                     | 3301                                                                                |
|               | VOYAGER / GRAN VOYAGER - 3.8 i                                                    | EGH                                                                               | 1995.01~2001.03                                                                     | 3778                                                                                |
| PORSCHÉ       | 924 - 2.0                                                                         | XJ, XK                                                                            | 1975.11~1989.08                                                                     | 1984                                                                                |
|               | 924 - 2.0 Carrera GT                                                              | M 31.50                                                                           | 1980.06~1986.10                                                                     | 1984                                                                                |
|               | 924 - 2.0 Turbo                                                                   | M 31.01                                                                           | 1978.11~1980.06                                                                     | 1984                                                                                |
| RENAULT       | THALIA I (LB0/1/2) - 1.5 dCi                                                      | VM39C, VM40C                                                                      | 2002.04~                                                                            | 1461                                                                                |
|               | 11 (B/C37) - 1.7 (B/C37L)                                                         | F2N 730                                                                           | 1986.10~1988.12                                                                     | 1721                                                                                |
|               | 18 (134) - 2.1 Diesel (1344)                                                      | 852 710, J8S 711                                                                  | 1981.11~1986.07                                                                     | 2068                                                                                |
|               | 18 Variable (135) - 2.1 Diesel (1354)                                             | 852 710, J8S 711                                                                  | 1980.11~1986.07                                                                     | 2068                                                                                |
|               | 19 I (B/C53) - 1.4                                                                | E7J 700                                                                           | 1990.09~1992.04                                                                     | 1390                                                                                |
|               | 19 I (B/C53) - 1.7 (B/C53B)                                                       | F3N 740, F3N 741                                                                  | 1988.09~1992.04                                                                     | 1721                                                                                |

|  |              |              |  |         |         |  |          |          |  |         |       |  |     |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GT60130                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT50530                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80240                                                                             |              |              |                                                                                     |         |         | GTA0360                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80240                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT50560                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60080                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0120                                                                             | GTB0240 |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GT30500                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80260                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT50570                                                                             |              |              |                                                                                     |         |         | GT50590                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60070                                                                             |              |              |                                                                                     |         |         | GT30610                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60070                                                                             | GT60080      |              |                                                                                     |         |         | GT30610                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GT90530                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60600                                                                             | GT90010      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60600                                                                             | GT90010      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0450                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0450                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0370                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT50580                                                                             | GT80270      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT50580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT90180                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |

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| OE MAKER | Vehicle Model                                                                         | Engine Type                                                   | Year From ~ To  | Displacement CC |
|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------|-----------------|
|          |                                                                                       |                                                               |                 |                 |
| RENAULT  | 19 I (B/C53) - 1.8 16V (B/C53D)                                                       | F7P 704                                                       | 1989.06~1992.04 | 1764            |
|          | 19 I Chamade (L53) - 1.9 D (L534, L53J)                                               | F8Q 706, F8Q 742                                              | 1989.10~1992.04 | 1870            |
|          | 19 II (B/C53) - 1.4 (B/C535)                                                          | E7J 742                                                       | 1992.01~1995.12 | 1390            |
|          | 19 II (B/C53) - 1.7 (B/C53B)                                                          | F3N 740, F3N 741                                              | 1992.04~1995.12 | 1721            |
|          | 19 II (B/C53) - 1.8 (B/C53Y)                                                          | F3P 706, F3P 707, F3P 708, F3P 760                            | 1992.04~1995.12 | 1794            |
|          | 19 II (B/C53) - 1.8 16V (B/C53D)                                                      | F7P 704                                                       | 1992.04~1995.12 | 1764            |
|          | 19 II (B/C53) - 1.9 D (B/C53J)                                                        | F8Q 742                                                       | 1992.04~1995.12 | 1870            |
|          | 20 (127) - 2.1 Diesel (1276)                                                          | 852                                                           | 1980.10~1983.12 | 2068            |
|          | 21 (B48) - 1.7 (B48F)                                                                 | F3N 726                                                       | 1989.09~1992.10 | 1721            |
|          | 21 (B48) - 1.9 D (B48H, B48I)                                                         | F8Q 710                                                       | 1989.09~1994.01 | 1870            |
|          | 21 (B48) - 2.1 D (B480)                                                               | J8S 784                                                       | 1992.04~1994.06 | 2068            |
|          | 21 Turbo-D (B486, B488, B48V)                                                         | J8S 714, J8S 786, J8S 788                                     | 1989.09~1994.06 | 2068            |
|          | 25 (B29) - 2.1 Diesel (B296)                                                          | J8S 706                                                       | 1984.04~1989.05 | 2068            |
|          | 25 (B29) - 2.1 Turbo-D FWD (B290, B29W)                                               | J8S 708, J8S 738                                              | 1984.04~1992.12 | 2068            |
|          | 9 (L42) - 1.7 (L42F)                                                                  | F3N 718                                                       | 1986.10~1988.12 | 1721            |
|          | AVANTIME (DE0) - 2.0 16V Turbo (DE0U, DE0V)                                           | F4R 760, F4R 761                                              | 2001.11~2003.05 | 1998            |
|          | AVANTIME (DE0) - 2.2 dCi (DE01)                                                       | G9T 712                                                       | 2002.05~2003.05 | 2188            |
|          | AVANTIME (DE0) - 3.0 V6 (DE04, DE0T)                                                  | L7X 720, L7X 721                                              | 2001.09~2003.05 | 2946            |
|          | CLIO Grandtour (KR0/1) - 1.2 16V (KR02, KR0J)                                         | D4F 740                                                       | 2008.02~        | 1149            |
|          | CLIO I (B/C57, 5/357) - 1.2 (5/357Y, 5/357K)                                          | D7F 730                                                       | 1996.01~1998.09 | 1149            |
|          | CLIO I (B/C57, 5/357) - 1.4 (B57J, C57J)                                              | E7J 756, E7J 757                                              | 1991.01~1998.09 | 1390            |
|          | CLIO I (B/C57, 5/357) - 1.8 (B/C57C, B/C57U)                                          | F3P 710, F3P 714                                              | 1991.01~1998.09 | 1794            |
|          | CLIO I (B/C57, 5/357) - 1.8 16V (C57D)                                                | F7P 722                                                       | 1991.01~1996.03 | 1764            |
|          | CLIO I (B/C57, 5/357) - 1.9 D                                                         | F8Q 678                                                       | 1997.01~1998.09 | 1870            |
|          | CLIO I (B/C57, 5/357) - Williams (B/C57M)                                             | F7R 700                                                       | 1994.01~1998.09 | 1998            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.2 (BB0A, BB0F, BB10, BB1K, BB28, BB2D, BB2H, CB0A)     | D7F 720, D7F 726, D7F 746, D7F 764, D7F 766                   | 1998.09~        | 1149            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.2 16V (BB05, BB0W, BB11, BB27, BB2T, BB2U, BB2V, CB05) | D4F 706, D4F 712, D4F 714, D4F 722, D4F 728                   | 2001.06~        | 1149            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.4 (B/CB0C)                                             | E7J 634, E7J 780, K7J 700                                     | 1998.09~2005.05 | 1390            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.4 16V                                                  | K4J 712, K4J 713                                              | 1999.10~2004.09 | 1390            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.4 16V (B/CB0L)                                         | K4J 712, K4J 713                                              | 1999.10~2004.09 | 1390            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.5 dCi                                                  | K9K 704                                                       | 2001.06~2006.12 | 1461            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.6 (B/CB0D)                                             | K7M 744, K7M 745                                              | 1998.09~2005.05 | 1598            |
|          | CLIO II (BB0/1/2, CB0/1/2) - 1.6 16V (BB01, BB0H, BB0T, BB14, BB1D, BB1R, BB2KL)      | K4M 708, K4M 740, K4M 742, K4M 743, K4M 744, K4M 745, K4M 748 | 1998.09~        | 1598            |

| TEN-SIONER 1 | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1 | IDLER 2 | IDLER 3 | PULLEY 1 | PULLEY 2 | PULLEY 3 | TBT 1 | TBT 2 | TBT 3   | HAT 1 | ADT |
|--------------|--------------|--------------|---------|---------|---------|----------|----------|----------|-------|-------|---------|-------|-----|
| GT60490      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT90180      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60490      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT50580      | GT80270      |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT80270      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT50580      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT50580      | GT80270      |              |         |         |         |          |          |          |       |       |         |       |     |
| GT50580      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
|              |              |              |         |         |         | GTA0050  |          |          |       |       | GTB0250 |       |     |
|              |              |              |         |         |         |          | GT30520  |          |       |       | GTB0420 |       |     |
|              |              |              |         |         |         |          | GT30560  |          |       |       |         |       |     |
| GT90180      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT90180      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60110      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60490      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60490      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT60490      |              |              |         |         |         |          |          |          |       |       |         |       |     |
| GT90180      |              |              |         |         |         |          |          |          |       |       |         |       |     |
|              |              |              |         |         |         |          |          |          |       |       | GTB0320 |       |     |
| GT60090      |              |              |         | GT70770 |         | GTA0340  |          |          |       |       |         |       |     |
|              |              |              |         | GT30510 |         |          |          |          |       |       |         |       |     |
|              |              |              |         |         |         |          |          |          |       |       | GTB0160 |       |     |
|              |              |              |         |         |         |          | GTA0370  |          |       |       |         |       |     |
|              |              |              |         |         |         |          | GTA0340  |          |       |       |         |       |     |
|              |              |              |         | GT30510 |         |          |          |          |       |       |         |       |     |

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| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| RENAULT       | CLIO II (BB0/1/2, CB0/1/2) - 1.9 D (B/CB0E)                                       | F8Q 630                                                                           | 1998.09~2005.05                                                                     | 1870                                                                                |
|               | CLIO II (BB0/1/2, CB0/1/2) - 1.9 dTi (B/CB0U)                                     | F9Q 780                                                                           | 1999.12~2005.05                                                                     | 1870                                                                                |
|               | CLIO II (BB0/1/2, CB0/1/2) - 2.0 16V Sport (CB0M)                                 | F4R 730, F4R 736                                                                  | 2000.02~                                                                            | 1998                                                                                |
|               | CLIO II (BB0/1/2, CB0/1/2) - 3.0 V6 Sport (CB1A)                                  | L7X 760                                                                           | 2000.11~2002.12                                                                     | 2946                                                                                |
|               | CLIO II (BB0/1/2, CB0/1/2) - 3.0 V6 Sport (CB1H, CB1U, CB2S)                      | L7X 762                                                                           | 2002.12~                                                                            | 2946                                                                                |
|               | CLIO III (BR0/1, CR0/1) - 1.2 16V (BR0R, BR1D, BR1L, CR0R)                        | D4F 740                                                                           | 2005.06~                                                                            | 1149                                                                                |
|               | CLIO III (BR0/1, CR0/1) - 1.4 16V                                                 | K4J 780                                                                           | 2005.06~                                                                            | 1390                                                                                |
|               | CLIO III (BR0/1, CR0/1) - 2.0 16V (BR0C, BR0K, CR0C, CR0K)                        | M4R 700, M4R 70                                                                   | 2006.09~                                                                            | 1997                                                                                |
|               | CLIO III (BR0/1, CR0/1) - 2.0 16V Sport                                           | F4R 830                                                                           | 2006.02~                                                                            | 1998                                                                                |
|               | CLIO IV - 1.2 16V                                                                 | D4F 740                                                                           | 2012.11~                                                                            | 1149                                                                                |
|               | ESPACE I (J11) - 2.1 TD (J/S115)                                                  | J8S 240, J8S 774                                                                  | 1984.10~1990.12                                                                     | 2068                                                                                |
|               | ESPACE II (J/S63) - 2.1 TD (J633, J634, J/S635, J/S63D)                           | J8S 610, J8S 772, J8S 776, J8S 778                                                | 1991.01~1996.10                                                                     | 2068                                                                                |
|               | ESPACE III (JE0) - 1.9 dTi (JE0M)                                                 | F9Q 722                                                                           | 1999.02~2002.10                                                                     | 1870                                                                                |
|               | ESPACE III (JE0) - 2.0                                                            | F4R 700, F4R 701                                                                  | 2001.09~2002.10                                                                     | 1998                                                                                |
|               | ESPACE III (JE0) - 2.0 (JE0A)                                                     | F3R 728, F3R 729, F3R 742, F3R 768, F3R 769                                       | 1996.11~2000.10                                                                     | 1998                                                                                |
|               | ESPACE III (JE0) - 2.2 dCi (JE0S)                                                 | G9T 710                                                                           | 2000.07~2002.10                                                                     | 2188                                                                                |
|               | ESPACE III (JE0) - 3.0 V6 24V (JE0G, JE0R)                                        | L7X 727                                                                           | 1998.10~2002.10                                                                     | 2946                                                                                |
|               | ESPACE IV (JK0/1) - 2.0 (JK09)                                                    | F4R 792                                                                           | 2002.11~                                                                            | 1998                                                                                |
|               | ESPACE IV (JK0/1) - 2.2 dCi (JK07)                                                | G9T 645                                                                           | 2006.02~                                                                            | 2188                                                                                |
|               | FLUENCE (L30) - 1.6 16V                                                           | K4M 838                                                                           | 2010.02~                                                                            | 1598                                                                                |
|               | FLUENCE (L30) - 2.0 16V (L30C, L30G, L30T, L30V)                                  | M4R 714, M4R 751                                                                  | 2010.02~                                                                            | 1998                                                                                |
|               | FUEGO (136) - 2.1 TD                                                              | J8S 712                                                                           | 1982.08~1985.10                                                                     | 2068                                                                                |
|               | GRAND SCÉNIC II (JM0/1) - 1.6                                                     | K4M 761, K4M 782                                                                  | 2004.04~                                                                            | 1598                                                                                |
|               | GRAND SCÉNIC II (JM0/1) - 1.6                                                     | K4M 788                                                                           | 2006.06~                                                                            | 1598                                                                                |
|               | KANGOO (KC0/1) - 1.2 (KC0A, KC0K, KC0F, KC01)                                     | D7F 710, D7F 720, D7F 722, D7F 726, D7F 744, D7F 746                              | 1997.08~                                                                            | 1149                                                                                |
|               | KANGOO (KC0/1) - 1.4 (KC0C, KC0H, KC0B, KC0M)                                     | E7J 634, E7J 635, E7J 780, K7J 700, K7J 701                                       | 1997.08~                                                                            | 1390                                                                                |
|               | KANGOO (KC0/1) - 1.9 dTi (KC0U)                                                   | F9Q 780                                                                           | 2000.02~                                                                            | 1870                                                                                |
|               | KANGOO (KC0/1) - D 55 1.9 (KC0D)                                                  | F8Q 662                                                                           | 1997.08~                                                                            | 1870                                                                                |
|               | KANGOO / GRAND KANGOO (KW0/1) - 1.6                                               | K7M 750                                                                           | 2008.02~                                                                            | 1598                                                                                |
|               | KANGOO / GRAND KANGOO (KW0/1) - 1.6 16V (KW0D)                                    | K4M 830, K4M 831                                                                  | 2008.02~                                                                            | 1598                                                                                |
|               | KANGOO Express (FC0/1) - 1.4 (FC0C, FC0B, FC0H, FC0M)                             | E7J 634, E7J 635, E7J 780, K7J 701                                                | 1997.08~                                                                            | 1390                                                                                |
|               | KANGOO Express (FC0/1) - 1.6 16V                                                  | K4M 752                                                                           | 2001.10~                                                                            | 1598                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
|                                                                                     |              |              | GT50540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50540                                                                             | GT50620 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0280                                                                             |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0570                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT50580                                                                             | GT80270      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50580                                                                             | GT80270      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50540 GT50620                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT70770                                                                             |         |         | GTA0280                                                                             |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0050                                                                             |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0570                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50580                                                                             | GT80270      |              |                                                                                     |         |         | GTA0370                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0160                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT90180                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              |                                                                                     |         |         | GTA0340                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50540 GT50620                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT0490                                                                              |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0160                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0340                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |



## Application Guide by OE Manufacturers

| OE MAKER |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| RENAULT  | KANGOO Express (FC0/1) - 1.6 16V 4x4 (FC0L, FC0P, FC0S)                           | K4M 750, K4M 752, K4M 753                                                         | 2001.10~                                                                            | 1598                                                                                |
|          | LAGUNA I (B56, 556) - 1.8 (B56A/B)                                                | F3P 720, F3P 724                                                                  | 1993.11~2001.03                                                                     | 1794                                                                                |
|          | LAGUNA I (B56, 556) - 1.8 16V (B563, B564)                                        | F4P 760                                                                           | 1998.04~2001.03                                                                     | 1783                                                                                |
|          | LAGUNA I (B56, 556) - 1.9 dTi (B56J)                                              | F9Q 710, F9Q 716, F9Q 717                                                         | 1997.10~2001.03                                                                     | 1870                                                                                |
|          | LAGUNA I (B56, 556) - 2.0                                                         | F3R 611                                                                           | 1999.03~2001.03                                                                     | 1998                                                                                |
|          | LAGUNA I (B56, 556) - 2.0 16V (556A/B)                                            | F4R 780                                                                           | 1999.09~2001.03                                                                     | 1998                                                                                |
|          | LAGUNA I (B56, 556) - 2.0 16V (B56D/M)                                            | N7Q 700, N7Q 704                                                                  | 1995.06~2001.03                                                                     | 1948                                                                                |
|          | LAGUNA I (B56, 556) - 3.0 24V (B56V)                                              | L7X 700, L7X 701                                                                  | 1997.03~2001.03                                                                     | 2946                                                                                |
|          | LAGUNA I Grandtour (K56) - 2.0 16V (A56A/B)                                       | F4R 780                                                                           | 1999.09~2001.03                                                                     | 1998                                                                                |
|          | LAGUNA I Grandtour (K56) - 2.0 16V (K56D/M)                                       | N7Q 700, N7Q 704                                                                  | 1995.09~2001.03                                                                     | 1948                                                                                |
|          | LAGUNA I Grandtour (K56) - 3.0 24V (K56V)                                         | L7X 700, L7X 701                                                                  | 1997.03~2001.03                                                                     | 2946                                                                                |
|          | LAGUNA II (BG0/1) - 1.8 16V (BG06, BG0J, BG0M)                                    | F4P 770, F4P 771, F4P 773, F4P 774, F4P 775                                       | 2001.03~                                                                            | 1783                                                                                |
|          | LAGUNA II (BG0/1) - 2.2 dCi                                                       | G9T 600, G9T 605, G9T 706, G9T 707                                                | 2005.05~                                                                            | 2188                                                                                |
|          | LAGUNA II Grandtour (KG0/1) - 3.0 V6 24V (KG0D)                                   | L7X 731                                                                           | 2001.03~                                                                            | 2946                                                                                |
|          | LAGUNA III (BT0/1) - 2.0 16V (BT05, BT0F, BT0W)                                   | M4R 704                                                                           | 2007.10~                                                                            | 1998                                                                                |
|          | LOGAN I (LS) - 1.4                                                                | K7J 710                                                                           | 2004.09~                                                                            | 1390                                                                                |
|          | LOGAN I (LS) - 1.6                                                                | K4M 690                                                                           | 2007.04~                                                                            | 1598                                                                                |
|          | LOGAN I (LS) - 1.6                                                                | K7M 710                                                                           | 2004.09~                                                                            | 1598                                                                                |
|          | LOGAN I Estate (KS) - 1.6                                                         | K4M 697                                                                           | 2007.04~                                                                            | 1598                                                                                |
|          | LOGAN II - 1.2                                                                    | D4F 732                                                                           | 2013.11~                                                                            | 1149                                                                                |
|          | MASCOTT Box Body / Estate - 110.35                                                | 8140.43.B.3586, 8140.43.B.3588, 8140.43.C.2586                                    | 1999.01~2004.06                                                                     | 2800                                                                                |
|          | MASCOTT Box Body / Estate - 110.50                                                | 8140.43.B.3586, 8140.43.B.3588, 8140.43.C.2586                                    | 1999.01~2004.06                                                                     | 2800                                                                                |
|          | MASCOTT Box Body / Estate - 110.55                                                | 8140.43.B.3586, 8140.43.B.3588, 8140.43.C.2586                                    | 1999.01~2004.06                                                                     | 2800                                                                                |
|          | MASCOTT Box Body / Estate - 90.35                                                 | 8140.63.2585                                                                      | 1999.01~2001.12                                                                     | 2800                                                                                |
|          | MASCOTT Platform/Chassis - 110                                                    | 8140.43.B.3586, 8140.43.B.3588, 8140.43.C.2586                                    | 1999.01~2004.06                                                                     | 2800                                                                                |
|          | MASCOTT Platform/Chassis - 130                                                    | 8140.43.S.2585, 8140.43.S.3585                                                    | 1999.01~2004.06                                                                     | 2800                                                                                |
|          | MASCOTT Platform/Chassis - 140                                                    | 8140-43 k                                                                         | 2001.01~2004.06                                                                     | 2800                                                                                |
|          | MASCOTT Platform/Chassis - 90                                                     | 8140.63.2585                                                                      | 1999.01~2001.12                                                                     | 2800                                                                                |
|          | MASTER I Bus (T) - 28-35 2.1 D                                                    | J8S 330                                                                           | 1980.08~1998.07                                                                     | 2068                                                                                |
|          | MASTER I Bus (T) - 28-35 2.4 D                                                    | 8140.61.2300, S8U 731                                                             | 1980.08~1989.08                                                                     | 2445                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT30510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              | GT30510                                                                             |         |         | GTA0280                                                                             |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50540 GT50620                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              |                                                                                     |         |         | GTA0280                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0050                                                                             |          |          | GTB0250                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0570                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0160                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50580                                                                             | GT80270      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

Application Guide by OE Manufacturers

| OE MAKER | Vehicle Model                                                     | Engine Type                                                   | Year From ~ To  | Displacement CC |
|----------|-------------------------------------------------------------------|---------------------------------------------------------------|-----------------|-----------------|
|          |                                                                   |                                                               |                 |                 |
| RENAULT  | MASTER II Box (FD) - 2.5 dCi 100 (FD0U, FD0V)                     | G9U 754                                                       | 2003.10~        | 2463            |
|          | MASTER II Box (FD) - 2.8 Dti                                      | S9W 702                                                       | 1998.07~2001.10 | 2799            |
|          | MASTER II Bus (JD) - 1.9 dCi 80                                   | F9Q 772, F9Q 774                                              | 2001.11~        | 1870            |
|          | MASTER II Bus (JD) - 1.9 Dti                                      | F9Q 770                                                       | 2000.09~        | 1870            |
|          | MASTER II Bus (JD) - 2.2 dCi 90                                   | G9T 720, G9T 722, G9T 750                                     | 2000.09~        | 2188            |
|          | MASTER II Bus (JD) - 2.5 D                                        | S8U 770                                                       | 1998.07~2001.01 | 2499            |
|          | MASTER II Platform/Chassis (ED/HD/UD) - 2.2 dCi 90                | G9T 720, G9T 722, G9T 750                                     | 2000.09~        | 2188            |
|          | MEGANE I (BA0/1) - 1.4 16V (BA0D, BA1H, BA0W, BA10)               | K4J 714, K4J 750                                              | 1999.03~2003.08 | 1390            |
|          | MEGANE I (BA0/1) - 1.4 e (BA0E, BA0V)                             | E7J 626, E7J 764                                              | 1996.01~2003.08 | 1390            |
|          | MEGANE I (BA0/1) - 1.4 Eco (BA0T)                                 | E7J 624                                                       | 1996.01~1999.03 | 1390            |
|          | MEGANE I (BA0/1) - 1.6 i (BA0L)                                   | K7M 720                                                       | 1996.01~1999.03 | 1598            |
|          | MEGANE I (BA0/1) - 1.8 16V (BA06, BA12, BA1A, BA1M, BA1R)         | F4P 720, F4P 722                                              | 2001.01~2003.08 | 1783            |
|          | MEGANE I (BA0/1) - 1.9 D Eco (B/SA0U, BA0A)                       | F8Q 620, F8Q 624                                              | 1996.01~2003.08 | 1870            |
|          | MEGANE I (BA0/1) - 2.0 16V (BA0H)                                 | F7R 710, F7R 714                                              | 1996.07~2003.08 | 1998            |
|          | MEGANE I (BA0/1) - 2.0 i                                          | F3R 750, F3R 751                                              | 1999.03~2003.08 | 1998            |
|          | MEGANE I Cabriolet (EA0/1) - 2.0 16V (EA0H)                       | F7R 710, F7R 714                                              | 1996.10~1999.11 | 1998            |
|          | MEGANE I Classic (LA0/1) - 1.4 16V (LA0D, LA1H, IA0W, LA10)       | K4J 714, K4J 750                                              | 1999.03~2003.08 | 1390            |
|          | MEGANE I Classic (LA0/1) - 1.6 16V (La04, LA11, LA0B, LA1C, LA1J) | K4M 700, K4M 701, K4M 708                                     | 1999.03~2003.08 | 1598            |
|          | MEGANE I Classic (LA0/1) - 1.9 dTi (LA08, LA0N)                   | F9Q 730, F9Q 731, F9Q 734, F9Q 736                            | 1997.03~2001.02 | 1870            |
|          | MEGANE I Classic (LA0/1) - 2.0 i (LA0G)                           | F3R 750, F3R 751, F3R 752, F3R 791, F3R 796, F3R 797, F3R 798 | 1999.03~2003.08 | 1998            |
|          | MEGANE I Coach (DA0/1) - 1.9 dCi (DA05, DA1F)                     | F9Q 732, F9Q 733                                              | 2001.02~2003.08 | 1870            |
|          | MEGANE II (BM0/1, CM0/1) - 1.4 16V (BM0B, CM0B)                   | K4J 730, K4J 740                                              | 2002.11~        | 1390            |
|          | MEGANE III Hatchback (BZ0) - 2.0 CVT (BZ0G, BZ1P)                 | M4R 711, M4R 713                                              | 2009.02~        | 1997            |
|          | MEGANE Scenic (JA0/1) - 1.9 D (JA0J)                              | F8Q 790                                                       | 1997.03~1999.09 | 1870            |
|          | MODUS / GRAND MODUS (F/JP0) - 1.2 (FP0C, FP0K, FP0P)              | D4F 740                                                       | 2005.05~        | 1149            |
|          | MODUS / GRAND MODUS (F/JP0) - 1.4 (JP01, JP0J)                    | K4J 770, K4J 780                                              | 2004.12~        | 1390            |
|          | MODUS / GRAND MODUS (F/JP0) - 1.6 (JP03, JP0B, JP0U, JP0Y, JP1G)  | K4M 790, K4M 791, K4M 800, K4M 801                            | 2004.12~        | 1598            |
|          | RAPID Box (F40, G40) - 1.6 D (F404)                               | F8M 720, F8M 730, F8M 736, F8M 760                            | 1986.03~1998.08 | 1596            |
|          | RAPID Box (F40, G40) - 1.9 D (F40R)                               | F8Q 640, F8Q 682                                              | 1994.09~1998.03 | 1870            |
|          | SAFRANE I (B54) - 2.1 dT (B546)                                   | J8S 760                                                       | 1993.11~1996.07 | 2068            |
|          | SAFRANE II (B54) - 2.0 16V (B54L)                                 | N7Q 710, N7Q 711                                              | 1996.07~2000.12 | 1948            |
|          | SAFRANE II (B54) - 2.5 20V (B54F)                                 | N7U 700, N7U 701                                              | 1996.07~2000.12 | 2435            |

| TENSIONER 1  |              |              | IDLER 1 |         |         | PULLEY 1 |          |          | TBT 1   |       |       | HAT 1 |     | ADT |
|--------------|--------------|--------------|---------|---------|---------|----------|----------|----------|---------|-------|-------|-------|-----|-----|
| TEN-SIONER 1 | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1 | IDLER 2 | IDLER 3 | PULLEY 1 | PULLEY 2 | PULLEY 3 | TBT 1   | TBT 2 | TBT 3 | HAT 1 | ADT |     |
|              |              |              | GT30520 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT60520 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT70770 |         |         | GTA0050  |          |          |         |       |       |       |     |     |
|              |              |              | GT50540 | GT50620 |         |          |          |          |         |       |       |       |     |     |
|              |              |              |         |         |         |          |          |          | GTB0420 |       |       |       |     |     |
|              |              |              | GT60520 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT30520 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT70770 |         |         |          |          |          |         |       |       |       |     |     |
| GT60090      |              |              |         |         |         |          |          |          |         |       |       |       |     |     |
| GT90180      |              |              |         |         |         |          |          |          |         |       |       |       |     |     |
| GT60090      |              |              |         |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              |         |         |         | GTA0280  |          |          |         |       |       |       |     |     |
| GT60110      |              |              |         |         |         |          |          |          |         |       |       |       |     |     |
| GT60490      |              |              | GT50540 |         |         |          |          |          |         |       |       |       |     |     |
| GT60110      |              |              |         |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT50540 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT30510 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              |         |         |         |          |          |          | GTB0160 |       |       |       |     |     |
|              |              |              | GT50540 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              |         |         |         | GTA0280  |          |          |         |       |       |       |     |     |
|              |              |              | GT50540 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              |         |         |         |          |          |          | GTB0160 |       |       |       |     |     |
|              |              |              |         |         |         | GTA0570  |          |          |         |       |       |       |     |     |
|              |              |              | GT50540 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              |         |         |         |          |          |          | GTB0320 |       |       |       |     |     |
|              |              |              |         |         |         |          |          |          | GTB0160 |       |       |       |     |     |
|              |              |              | GT30510 |         |         |          |          |          |         |       |       |       |     |     |
| GT60110      |              |              |         |         |         |          |          |          |         |       |       |       |     |     |
| GT60490      |              |              |         |         |         |          |          |          |         |       |       |       |     |     |
| GT50580      | GT80270      |              |         |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT50600 |         |         |          |          |          |         |       |       |       |     |     |
|              |              |              | GT50600 |         |         |          |          |          |         |       |       |       |     |     |

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| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| RENAULT  | SAFRANE II (B54) - 2.9 24V (B54N)                                                 | L7X 713                                                                           | 1999.03~2000.12                                                                     | 2946                                                                                |
|          | SCÉNIC I (JA0/1) - 1.4 16V (JA0D, JA1H, Ja0W, JA10)                               | K4J 714, K4J 750                                                                  | 1999.09~2003.08                                                                     | 1390                                                                                |
|          | SCÉNIC I (JA0/1) - 1.6                                                            | K4M 706                                                                           | 1999.09~2003.09                                                                     | 1598                                                                                |
|          | SCÉNIC I (JA0/1) - 1.8 16V (JA12, JA1R, JA1M, JA1A)                               | F4P 720, F4P 722                                                                  | 2001.01~2003.08                                                                     | 1783                                                                                |
|          | SCÉNIC I (JA0/1) - 1.9 dTi (JA1U)                                                 | F9Q 744                                                                           | 2001.02~2003.08                                                                     | 1870                                                                                |
|          | SCÉNIC II (JM0/1) - 1.4 (JM0B, JM0H, JM1A)                                        | K4J 730, K4J 740                                                                  | 2003.06~                                                                            | 1390                                                                                |
|          | SCÉNIC II (JM0/1) - 1.6                                                           | K4M 788                                                                           | 2006.06~                                                                            | 1598                                                                                |
|          | SPORT SPIDER (EF0) - 2.0 16V                                                      | F7R 710                                                                           | 1995.03~1999.10                                                                     | 1998                                                                                |
|          | SUPER 5 (B/C40) - 1.6 D (B/C/404)                                                 | F8M 720, F8M 730                                                                  | 1985.08~1996.12                                                                     | 1596                                                                                |
|          | SUPER 5 (B/C40) - 1.7 (B/C408)                                                    | F3N 716, F3N 717                                                                  | 1986.10~1995.03                                                                     | 1721                                                                                |
|          | THALIA I (LB0/1/2) - 1.2 16V                                                      | D4F 712                                                                           | 2002.04~                                                                            | 1149                                                                                |
|          | THALIA I (LB0/1/2) - 1.4                                                          | K7J 700                                                                           | 2000.08~                                                                            | 1390                                                                                |
|          | THALIA I (LB0/1/2) - 1.4 16V                                                      | K4J 712                                                                           | 2000.08~                                                                            | 1390                                                                                |
|          | TRAFIC Box (TXX) - 1.9 D                                                          | F8Q 606                                                                           | 1997.06~2001.03                                                                     | 1870                                                                                |
|          | TRAFIC Bus (T5, T6, T7) - 1.7                                                     | F1N 724                                                                           | 1986.06~1989.04                                                                     | 1721                                                                                |
|          | TRAFIC Bus (T5, T6, T7) - 2.1 D                                                   | 852 750                                                                           | 1980.03~1989.04                                                                     | 2068                                                                                |
|          | TRAFIC Bus (TXW) - 1.9 D                                                          | F8Q 606                                                                           | 1997.06~2001.03                                                                     | 1870                                                                                |
|          | TRAFIC Bus (TXW) - 2.1 D                                                          | 852 720, 852 750                                                                  | 1989.05~1994.06                                                                     | 2068                                                                                |
|          | TRAFIC Bus (TXW) - 2.5 D                                                          | 8140.67.2500,<br>8140.67.2550,<br>8140.67.2580, S8U<br>750, S8U 752, S8U<br>758   | 1989.05~2001.03                                                                     | 2499                                                                                |
|          | TRAFIC II Bus (JL) - 2.5 dCi 115                                                  | G9U 630                                                                           | 2008.02~                                                                            | 2464                                                                                |
|          | TRAFIC II Platform/Chassis (EL) - 2.5 dCi 135 (EL0D)                              | G9U 730                                                                           | 2001.03~                                                                            | 2463                                                                                |
|          | TRAFIC Platform/Chassis (P6) - 2.1 D                                              | 852 720                                                                           | 1980.03~1989.04                                                                     | 2068                                                                                |
|          | TRAFIC Platform/Chassis (P6) - 2.5 D                                              | 8140.61.240, S8U<br>720, S8U 722                                                  | 1980.03~1989.04                                                                     | 2445                                                                                |
|          | TRAFIC Platform/Chassis (PXX) - 2.5 D                                             | 8140.61.240, S8U<br>720, S8U 722                                                  | 1989.05~2001.03                                                                     | 2445                                                                                |
|          | TWINGO I (C06) - 1.2 (C067)                                                       | D7F 700, D7F 701                                                                  | 1996.05~                                                                            | 1149                                                                                |
|          | TWINGO II (CN0) - 1.2 (CN0D)                                                      | D7F 800                                                                           | 2007.03~                                                                            | 1149                                                                                |
|          | TWINGO II (CN0) - 1.2 TCe 100 (CN0P)                                              | D4F 780, D4F 782                                                                  | 2011.02~                                                                            | 1149                                                                                |
|          | VEL SATIS (BJ0) - 2.2 dCi                                                         | G9U 730                                                                           | 2004.12~                                                                            | 2188                                                                                |
|          | WIND (E4M) - 1.2 (E4MF)                                                           | D4F 782                                                                           | 2010.07~                                                                            | 1149                                                                                |
| ROVER    | 100 / METRO (XP) - 115 D                                                          | TUD 5                                                                             | 1994.12~1998.12                                                                     | 1527                                                                                |
|          | 200 (XH) - 213 S                                                                  | EV 2                                                                              | 1985.09~1989.09                                                                     | 1342                                                                                |
|          | 200 Hatchback (XW) - 216 GSi                                                      | D 16 Z2                                                                           | 1989.10~1995.10                                                                     | 1590                                                                                |
|          | 200 Hatchback (XW) - 216 Gti                                                      | D 16 A8                                                                           | 1990.09~1995.10                                                                     | 1590                                                                                |
|          | 200 Hatchback (XW) - 218 D                                                        | XUD9                                                                              | 1991.09~1993.12                                                                     | 1905                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT30560                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30510                                                                             |         |         | GTA0280                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0160                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0160                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60490                                                                             |              |              | GT50540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT60090                                                                             |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0160                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50540                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50580                                                                             | GT80270      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0420                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50580                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90180                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90180                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30520                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0320                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50520                                                                             |              |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80590                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| ROVER    | 200 Hatchback (XW) - 218 TD                                                       | XUD 7TE                                                                           | 1991.09~1993.12                                                                     | 1769                                                                                |
|          | 400 (XW) - 416 GSI                                                                | D 16 Z2                                                                           | 1990.04~1995.04                                                                     | 1590                                                                                |
|          | 400 (XW) - 418 TD                                                                 | XUD 7TE                                                                           | 1991.09~1993.12                                                                     | 1769                                                                                |
|          | 400 Tourer (XW) - 1.8 TD                                                          | XUD 7TE                                                                           | 1993.09~1998.11                                                                     | 1769                                                                                |
|          | 600 (RH) - 618 i/Si                                                               | F 18 A3                                                                           | 1996.03~1999.02                                                                     | 1850                                                                                |
|          | 600 (RH) - 620 i                                                                  | F 20 Z2                                                                           | 1993.08~1996.06                                                                     | 1997                                                                                |
|          | 600 (RH) - 623 Si                                                                 | H 23 A3                                                                           | 1993.08~1999.02                                                                     | 2259                                                                                |
|          | 800 (XS) - 825 Si Lux (RS)                                                        | 25 K4F                                                                            | 1996.04~1999.02                                                                     | 2497                                                                                |
|          | 800 (XS) - 825 Si/Sterling (XS) CAT                                               | C 25 A1                                                                           | 1986.10~1991.12                                                                     | 2494                                                                                |
|          | 800 Coupe - 827 24V (RS)                                                          | C 27 A1                                                                           | 1992.08~1999.02                                                                     | 2675                                                                                |
|          | 800 Hatchback (XS) - 827 Vitesse (XS) CAT                                         | C 27 A1                                                                           | 1988.10~1991.12                                                                     | 2675                                                                                |
|          | CABRIOLET (XW) - 216 1.6i                                                         | D 16 A8                                                                           | 1992.01~1999.11                                                                     | 1590                                                                                |
| SAAB     | 9-3 (YS3F) - 1.8 i                                                                | Z 18 XE                                                                           | 2004.01~                                                                            | 1796                                                                                |
|          | 9-3 (YS3F) - 1.9 TiD                                                              | Z 19 DT                                                                           | 2004.09~                                                                            | 1910                                                                                |
|          | 9-3 Estate (YS3F) - 1.8 i                                                         | Z 18 XE                                                                           | 2005.03~                                                                            | 1796                                                                                |
|          | 9-3X - 1.9 TTiD                                                                   | A 19 DTR, Z 19 DTR                                                                | 2009.02~                                                                            | 1910                                                                                |
| SEAT     | ALHAMBRA (710) - 2.0 TDI                                                          | CFFA                                                                              | 2010.06~2011.05                                                                     | 1968                                                                                |
|          | ALHAMBRA (710) - 2.0 TDI                                                          | CFFE                                                                              | 2011.05~                                                                            | 1968                                                                                |
|          | ALHAMBRA (710) - 2.0 TDI 4Drive                                                   | CFFB                                                                              | 2011.05~                                                                            | 1968                                                                                |
|          | ALHAMBRA (7V8, 7V9) - 1.8 T 20V                                                   | AJH, AWC                                                                          | 1997.10~2010.03                                                                     | 1781                                                                                |
|          | ALHAMBRA (7V8, 7V9) - 1.9 TDI                                                     | 1Z, AHU                                                                           | 1996.04~2010.03                                                                     | 1896                                                                                |
|          | ALHAMBRA (7V8, 7V9) - 1.9 TDI                                                     | 1Z, AHU, ANU                                                                      | 1996.04~2010.03                                                                     | 1896                                                                                |
|          | ALHAMBRA (7V8, 7V9) - 1.9 TDI                                                     | AFN, AVG                                                                          | 1996.08~2000.06                                                                     | 1896                                                                                |
|          | ALHAMBRA (7V8, 7V9) - 2.0 i                                                       | ADY, ATM                                                                          | 1996.04~2010.03                                                                     | 1984                                                                                |
|          | ALHAMBRA (7V8, 7V9) - 2.8 V6                                                      | AUE, AYL                                                                          | 2000.06~2010.03                                                                     | 2792                                                                                |
|          | ALTEA (5P1) - 1.4 16V                                                             | BXW, CGGB                                                                         | 2006.05~                                                                            | 1390                                                                                |
|          | ALTEA (5P1) - 1.4 TSI                                                             | CAXC                                                                              | 2007.11~                                                                            | 1390                                                                                |
|          | ALTEA (5P1) - 1.6                                                                 | BGU, BSE, BSF, CCSA, CMXA                                                         | 2004.03~                                                                            | 1595                                                                                |
|          | ALTEA (5P1) - 1.6 TDI                                                             | CAYB                                                                              | 2010.11~                                                                            | 1598                                                                                |
|          | ALTEA (5P1) - 2.0 FSI                                                             | BLR, BLY, BVY, BVZ                                                                | 2004.05~2009.03                                                                     | 1984                                                                                |
|          | ALTEA (5P1) - 2.0 TDI                                                             | AZV                                                                               | 2004.03~2009.05                                                                     | 1968                                                                                |
|          | ALTEA (5P1) - 2.0 TDI 16V                                                         | BKD, CFHC                                                                         | 2004.03~                                                                            | 1968                                                                                |
|          | ALTEA XL (5P5, 5P8) - 1.6 TDI                                                     | CAYB                                                                              | 2010.11~                                                                            | 1598                                                                                |
|          | ALTEA XL (5P5, 5P8) - 2.0 FSI                                                     | BVY, BVZ                                                                          | 2006.10~2009.03                                                                     | 1984                                                                                |
|          | ALTEA XL (5P5, 5P8) - 2.0 TDI 16V                                                 | BKD, CFHC                                                                         | 2006.10~                                                                            | 1968                                                                                |
|          | ALTEA XL (5P5, 5P8) - 2.0 TDI 16V 4x4                                             | CFHC                                                                              | 2010.10~                                                                            | 1968                                                                                |

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| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GT60140                                                                             | GT50570      | GT60130      | GT50590                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60140                                                                             | GT50570      | GT50590      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT50570                                                                             | GT60140      | GT50590      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80390                                                                             | GT80440      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80100                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          | GTB0030                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30540                                                                             |         |         |                                                                                     |          |          | GTB0030                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60650                                                                             |              | GT60510      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         | GT60350 |                                                                                     | GTA0040  |          | GTB0270                                                                             |         |       | GHAT-144                                                                            |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GTA0210                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30550                                                                             |         | GT70730 |                                                                                     |          |          |                                                                                     | GTB0140 |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GTA0330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             |         | GT40930 |                                                                                     | GT50920  |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50630                                                                             |         | GT60510 |                                                                                     |          |          |                                                                                     | GTB0210 |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |

|  |              |              |  |         |         |  |          |          |  |       |       |  |          |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT      |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT70730                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-144 |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         | GTA0190 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT70400                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |          |                                                                                     |
| GT80280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GTB0270                                                                             |          |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         | GTB0270 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         | GTB0270 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT30550                                                                             |         | GTB0140 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60340                                                                             |         | GT60420 |                                                                                     | GTB0300  |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0300                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT70730                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         | GT60350 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         | GT60510 |                                                                                     | GTB0210  |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT70400                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |



## Application Guide by OE Manufacturers

|          |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| SEAT     | IBIZA II (6K1) - 1.6 i                                                            | ABU, AEE, ALM                                                                     | 1993.03~1999.08                                                                     | 1598                                                                                |
|          | IBIZA II (6K1) - 1.8 i                                                            | ABS, ADZ                                                                          | 1993.03~1999.08                                                                     | 1781                                                                                |
|          | IBIZA II (6K1) - 1.9 D                                                            | 1Y                                                                                | 1993.04~1996.08                                                                     | 1896                                                                                |
|          | IBIZA II (6K1) - 1.9 SDI                                                          | AEY                                                                               | 1996.08~1999.08                                                                     | 1896                                                                                |
|          | IBIZA II (6K1) - 1.9 TDI                                                          | 1Z, AHU                                                                           | 1996.08~1999.08                                                                     | 1896                                                                                |
|          | IBIZA II (6K1) - 1.9 TDI                                                          | AFN                                                                               | 1997.02~1999.08                                                                     | 1896                                                                                |
|          | IBIZA II (6K1) - 2.0 i                                                            | 2E, AGG                                                                           | 1993.03~1999.08                                                                     | 1984                                                                                |
|          | IBIZA III (6K1) - 1.0                                                             | ALD, ANV, AUC                                                                     | 1999.08~2002.02                                                                     | 999                                                                                 |
|          | IBIZA III (6K1) - 1.4                                                             | AKK, ANW, AUD                                                                     | 1999.08~2002.02                                                                     | 1390                                                                                |
|          | IBIZA III (6K1) - 1.4 16V                                                         | APE, AUA                                                                          | 2000.05~2002.02                                                                     | 1390                                                                                |
|          | IBIZA III (6K1) - 1.6                                                             | ALM                                                                               | 1999.08~2002.02                                                                     | 1598                                                                                |
|          | IBIZA III (6K1) - 1.9 SDI                                                         | AGP, AQM                                                                          | 1999.08~2002.02                                                                     | 1896                                                                                |
|          | IBIZA IV (6L1) - 1.4 16V                                                          | BBY, BKY                                                                          | 2002.02~2007.12                                                                     | 1390                                                                                |
|          | IBIZA IV (6L1) - 1.4 TDI                                                          | BNM                                                                               | 2005.05~2009.11                                                                     | 1422                                                                                |
|          | IBIZA IV (6L1) - 1.6 16V                                                          | BTS                                                                               | 2006.11~2009.11                                                                     | 1598                                                                                |
|          | IBIZA IV (6L1) - 1.8 T Cupra R                                                    | BBU                                                                               | 2004.01~2008.02                                                                     | 1781                                                                                |
|          | IBIZA IV (6L1) - 1.9 TDI                                                          | ATD, AXR, BMT                                                                     | 2002.02~2009.11                                                                     | 1896                                                                                |
|          | IBIZA V (6J5, 6P1) - 1.0                                                          | CHYB                                                                              | 2015.05~                                                                            | 999                                                                                 |
|          | IBIZA V (6J5, 6P1) - 1.2 TSI                                                      | CJZC                                                                              | 2015.05~                                                                            | 1197                                                                                |
|          | IBIZA V (6J5, 6P1) - 1.4 TSI                                                      | CPTA                                                                              | 2013.10~                                                                            | 1395                                                                                |
|          | IBIZA V (6J5, 6P5) - 1.2 TDI                                                      | CFWA                                                                              | 2010.05~                                                                            | 1199                                                                                |
|          | IBIZA V (6J5, 6P5) - 1.4                                                          | BXW, CGGB                                                                         | 2008.03~                                                                            | 1390                                                                                |
|          | IBIZA V (6J5, 6P5) - 1.6 TDI                                                      | CAYB                                                                              | 2009.05~                                                                            | 1598                                                                                |
|          | IBIZA V (6J5, 6P5) - 2.0 TDI                                                      | CFHD                                                                              | 2010.01~                                                                            | 1968                                                                                |
|          | IBIZA V SPORTCOUPE (6J1, 6P1) - 1.4                                               | BXW, CGGB                                                                         | 2008.07~                                                                            | 1390                                                                                |
|          | IBIZA V ST (6J8, 6P8) - 1.4                                                       | CGGB                                                                              | 2010.03~                                                                            | 1390                                                                                |
|          | IBIZA V ST (6J8, 6P8) - 1.6 TDI                                                   | CAYB                                                                              | 2010.03~                                                                            | 1598                                                                                |
|          | INCA (6K9) - 1.4 16V                                                              | AUA                                                                               | 2000.04~2003.06                                                                     | 1390                                                                                |
|          | INCA (6K9) - 1.4 i                                                                | AEX, AKV, APQ, AUD                                                                | 1995.11~2003.06                                                                     | 1390                                                                                |
|          | INCA (6K9) - 1.6 i                                                                | 1F                                                                                | 1995.11~1998.05                                                                     | 1595                                                                                |
|          | INCA (6K9) - 1.6 i                                                                | AEE, ALM                                                                          | 1997.06~2000.09                                                                     | 1598                                                                                |
|          | INCA (6K9) - 1.7 D                                                                | AHB                                                                               | 1996.09~2003.06                                                                     | 1716                                                                                |
|          | INCA (6K9) - 1.9 SDI                                                              | AEY                                                                               | 1995.11~2003.06                                                                     | 1896                                                                                |
|          | INCA (6K9) - 1.9 SDI                                                              | AEY, AYQ                                                                          | 1995.11~2003.06                                                                     | 1896                                                                                |
|          | LEON (1M1) - 1.4 16V                                                              | AHW, APE, AUA, AXP, BCA                                                           | 1999.11~2006.06                                                                     | 1390                                                                                |
|          | LEON (1M1) - 1.6                                                                  | AEH, AKL, APF                                                                     | 1999.11~2006.06                                                                     | 1595                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT     |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT80280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT60330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT30550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0140                                                                             |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT60340                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GT60420                                                                             |         |       |                                                                                     | GTB0300 |                                                                                     |         |
| GT30550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0140                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTA0330                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT60510                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT30620                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GT40930                                                                             | GT50920 |       |                                                                                     |         |                                                                                     |         |
| GT30550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT30620                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GT50920                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT30620                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GT40930                                                                             | GT50920 |       |                                                                                     |         |                                                                                     |         |
| GT30550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT70730                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT30620                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT30550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0140                                                                             |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT60330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |         |       |                                                                                     |         |                                                                                     |         |
| GT60330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |         |                                                                                     |         |
| GT60340                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GT60420                                                                             |         |       |                                                                                     | GTB0270 |                                                                                     | GTB0300 |
| GT70730                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0140                                                                             |         |       |                                                                                     |         | GTB0260                                                                             |         |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |         |       |                                                                                     |         |                                                                                     |         |

|  |              |              |  |         |         |  |          |          |  |       |       |  |          |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|--|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT      |                                                                                     |  |
| GT60650                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          | GTB0300                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-144 |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         | GTA0040                                                                             |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GTA0210                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT50920 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0600                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0600                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |          |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT80280                                                                             |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          | GTB0630                                                                             |       |       |                                                                                     |          |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT30550                                                                             |         |         | GT70730                                                                             |          |          | GTB0260                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT70730                                                                             |         |         |                                                                                     |          |          | GTB0140                                                                             |       |       |                                                                                     |          |                                                                                     |  |
| GT60650                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60340                                                                             |         |         | GT60420                                                                             |          |          | GTB0300                                                                             |       |       |                                                                                     |          |                                                                                     |  |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |  |

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| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| SEAT          | TOLEDO II (1M2) - 1.9 TDI                                                         | ARL                                                                               | 2000.10~2006.05                                                                     | 1896                                                                                |
|               | TOLEDO II (1M2) - 1.9 TDI                                                         | ASZ                                                                               | 2003.05~2006.05                                                                     | 1896                                                                                |
|               | TOLEDO II (1M2) - 2.3 V5 20V                                                      | AQN                                                                               | 2001.05~2006.05                                                                     | 2324                                                                                |
|               | TOLEDO III (5P2) - 1.4 16V                                                        | BXW                                                                               | 2006.05~2009.05                                                                     | 1390                                                                                |
|               | TOLEDO III (5P2) - 1.9 TDI                                                        | BJB, BKC, BLS, BXE                                                                | 2004.10~2009.05                                                                     | 1896                                                                                |
|               | TOLEDO III (5P2) - 2.0 FSI                                                        | BLR, BLY, BVY, BVZ                                                                | 2004.10~2009.05                                                                     | 1984                                                                                |
|               | TOLEDO III (5P2) - 2.0 TDI                                                        | AZV                                                                               | 2004.09~2009.05                                                                     | 1968                                                                                |
|               | TOLEDO III (5P2) - 2.0 TFSI                                                       | BWA                                                                               | 2005.11~2009.05                                                                     | 1984                                                                                |
|               | TOLEDO IV (KG3) - 1.2 TSI                                                         | CJZC                                                                              | 2015.05~                                                                            | 1197                                                                                |
|               | TOLEDO IV (KG3) - 1.4 TSI                                                         | CAXA                                                                              | 2012.07~                                                                            | 1390                                                                                |
|               | TOLEDO IV (KG3) - 1.4 TSI                                                         | CZCA                                                                              | 2015.05~                                                                            | 1395                                                                                |
|               | TOLEDO IV (KG3) - 1.6                                                             | CFNA                                                                              | 2013.07~                                                                            | 1598                                                                                |
|               | TOLEDO IV (KG3) - 1.6 TDI                                                         | CAYB                                                                              | 2013.06~                                                                            | 1598                                                                                |
|               | CITIGO - 1.0                                                                      | CHYA                                                                              | 2011.10~                                                                            | 999                                                                                 |
| SKODA         | FABIA - 1.2 TDI                                                                   | CFWA                                                                              | 2010.05~2014.12                                                                     | 1199                                                                                |
|               | FABIA - 1.6                                                                       | BTS, CFNA                                                                         | 2007.04~2014.12                                                                     | 1598                                                                                |
|               | FABIA - 1.6 TDI                                                                   | CAYA                                                                              | 2010.04~2014.12                                                                     | 1598                                                                                |
|               | FABIA (6Y2) - 1.0                                                                 | AQV, ARV                                                                          | 1999.12~2002.08                                                                     | 996                                                                                 |
|               | FABIA (6Y2) - 1.4 16V                                                             | AUA, BBY, BKY                                                                     | 1999.12~2008.03                                                                     | 1390                                                                                |
|               | FABIA (6Y2) - 1.4 TDI                                                             | BNM                                                                               | 2005.10~2008.03                                                                     | 1422                                                                                |
|               | FABIA (6Y2) - 1.9 SDI                                                             | ASY                                                                               | 1999.12~2008.03                                                                     | 1896                                                                                |
|               | FABIA (6Y2) - 1.9 TDI                                                             | ATD, AXR                                                                          | 2000.01~2008.03                                                                     | 1896                                                                                |
|               | FABIA (6Y2) - 2.0                                                                 | AZL                                                                               | 1999.12~2008.03                                                                     | 1984                                                                                |
|               | FABIA (NJ3) - 1.0                                                                 | CHYA                                                                              | 2014.08~                                                                            | 999                                                                                 |
|               | FABIA (NJ3) - 1.2 TSI                                                             | CJZC                                                                              | 2014.08~                                                                            | 1197                                                                                |
|               | FABIA Combi - 1.2 TDI                                                             | CFWA                                                                              | 2010.05~2014.12                                                                     | 1199                                                                                |
|               | FABIA Combi - 1.6 TDI                                                             | CAYA                                                                              | 2010.04~2014.12                                                                     | 1598                                                                                |
|               | FABIA Combi (6Y5) - 1.4 16V                                                       | AUA, BBY, BKY                                                                     | 2000.05~2007.12                                                                     | 1390                                                                                |
|               | FABIA Estate (NJ5) - 1.0                                                          | CHYA                                                                              | 2014.10~                                                                            | 999                                                                                 |
|               | FABIA Estate (NJ5) - 1.2 TSI                                                      | CJZC                                                                              | 2014.10~                                                                            | 1197                                                                                |
|               | FABIA Saloon (6Y3) - 1.4 16V                                                      | AUA, BBY, BKY                                                                     | 1999.10~2007.12                                                                     | 1390                                                                                |
|               | FELICIA I (6U1) - 1.6 LX                                                          | AEE, EA111                                                                        | 1995.08~1998.03                                                                     | 1598                                                                                |
|               | FELICIA I (6U1) - 1.9 D                                                           | AEF                                                                               | 1995.10~1998.03                                                                     | 1896                                                                                |
|               | FELICIA II (6U1) - 1.6                                                            | AEE                                                                               | 1998.01~2001.06                                                                     | 1598                                                                                |
|               | OCTAVIA (1U2) - 1.4                                                               | AMD                                                                               | 1999.04~2001.03                                                                     | 1397                                                                                |
|               | OCTAVIA (1U2) - 1.4 16V                                                           | AXP, BCA                                                                          | 2000.09~2010.12                                                                     | 1390                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GT60350                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GHAT-144                                                                            |
| GT40930                                                                             |              |              |                                                                                     |         |         | GTA0040                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30550                                                                             | GT70730      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50630                                                                             | GT60510      |              |                                                                                     |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0190                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30550                                                                             | GT70730      |              |                                                                                     |         |         |                                                                                     |          |          | GTB0140                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0300                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT40930                                                                             | GT60350      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT30550                                                                             | GT70730      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0190                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0190                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30550                                                                             | GT70730      |              |                                                                                     |         |         |                                                                                     |          |          | GTB0140                                                                             |       |       |                                                                                     |     |                                                                                     |

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|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| SKODA    | OCTAVIA (1U2) - 1.6                                                               | AEE                                                                               | 1996.09~2004.09                                                                     | 1598                                                                                |
|          | OCTAVIA (1U2) - 1.6                                                               | AEH, AKL                                                                          | 1997.02~2007.12                                                                     | 1595                                                                                |
|          | OCTAVIA (1U2) - 1.8                                                               | AGN                                                                               | 1996.09~2000.07                                                                     | 1781                                                                                |
|          | OCTAVIA (1U2) - 1.8 T                                                             | AGU, ARX, ARZ, AUM                                                                | 1997.08~2010.12                                                                     | 1781                                                                                |
|          | OCTAVIA (1U2) - 1.9 SDI                                                           | AGP, AQM                                                                          | 1997.06~2003.12                                                                     | 1896                                                                                |
|          | OCTAVIA (1U2) - 1.9 TDI                                                           | AXR                                                                               | 2005.10~2010.12                                                                     | 1896                                                                                |
|          | OCTAVIA (1U2) - 2.0                                                               | AEG, APK, AQY, AZH, AZJ                                                           | 1999.04~2007.05                                                                     | 1984                                                                                |
|          | OCTAVIA (1U2) - RS 1.8 T                                                          | AUQ                                                                               | 2001.05~2006.01                                                                     | 1781                                                                                |
|          | OCTAVIA (1Z3) - 1.4 TSI                                                           | CAXA                                                                              | 2008.11~2013.06                                                                     | 1390                                                                                |
|          | OCTAVIA (1Z3) - 1.6 FSI                                                           | BLF                                                                               | 2004.02~2008.10                                                                     | 1598                                                                                |
|          | OCTAVIA (1Z3) - 1.6 TDI                                                           | CAYC                                                                              | 2009.06~2013.04                                                                     | 1598                                                                                |
|          | OCTAVIA (1Z3) - 1.9 TDI                                                           | BJB, BKC, BLS, BXE                                                                | 2004.06~2010.12                                                                     | 1896                                                                                |
|          | OCTAVIA (1Z3) - 2.0 FSI                                                           | BLR, BLY, BVY, BVZ                                                                | 2004.11~2008.10                                                                     | 1984                                                                                |
|          | OCTAVIA (1Z3) - 2.0 RS                                                            | BWA, CCZA                                                                         | 2005.10~2013.02                                                                     | 1984                                                                                |
|          | OCTAVIA (1Z3) - 2.0 TDI                                                           | AZV                                                                               | 2004.02~2010.05                                                                     | 1968                                                                                |
|          | OCTAVIA (1Z3) - 2.0 TDI                                                           | CFHF, CLCA                                                                        | 2010.03~2013.06                                                                     | 1968                                                                                |
|          | OCTAVIA (1Z3) - 2.0 TDI RS                                                        | BMN, CEGA                                                                         | 2006.04~2013.02                                                                     | 1968                                                                                |
|          | OCTAVIA (5E3) - 1.2 TSI                                                           | CJZB                                                                              | 2012.11~                                                                            | 1197                                                                                |
|          | OCTAVIA (5E3) - 1.6                                                               | CWVA                                                                              | 2014.01~                                                                            | 1598                                                                                |
|          | OCTAVIA (5E3) 1.4 TSI G-TEC                                                       | CPWA                                                                              | 2013.11~                                                                            | 1395                                                                                |
|          | OCTAVIA Combi (1U5) - 1.4 16V                                                     | AXP, BCA                                                                          | 2000.08~2010.12                                                                     | 1390                                                                                |
|          | OCTAVIA Combi (1U5) - 1.8 20V                                                     | AGN                                                                               | 1998.07~2000.07                                                                     | 1781                                                                                |
|          | OCTAVIA Combi (1U5) - 1.8 T 4x4                                                   | ARX                                                                               | 2001.05~2006.05                                                                     | 1781                                                                                |
|          | OCTAVIA Combi (1U5) - 1.9 SDI                                                     | AGP, AQM                                                                          | 1998.07~2003.12                                                                     | 1896                                                                                |
|          | OCTAVIA Combi (1U5) - 1.9 TDI                                                     | ATD, AXR                                                                          | 2000.08~2010.12                                                                     | 1896                                                                                |
|          | OCTAVIA Combi (1Z5) - 2.0 FSI                                                     | BLR, BLY, BVY, BVZ                                                                | 2004.11~2008.10                                                                     | 1984                                                                                |
|          | RAPID (NH3) - 1.2 TSI                                                             | CJZC                                                                              | 2015.05~                                                                            | 1197                                                                                |
|          | RAPID (NH3) - 1.4 TSI                                                             | CAXA                                                                              | 2012.07~                                                                            | 1390                                                                                |
|          | RAPID (NH3) - 1.4 TSI                                                             | CZCA                                                                              | 2015.05~                                                                            | 1395                                                                                |
|          | RAPID (NH3) - 1.6                                                                 | CFNA                                                                              | 2012.07~                                                                            | 1598                                                                                |
|          | RAPID (NH3) - 1.6 TDI                                                             | CAYB                                                                              | 2013.08~                                                                            | 1598                                                                                |
|          | ROOMSTER (5J) - 1.2 TDI                                                           | CFWA                                                                              | 2010.03~                                                                            | 1199                                                                                |
|          | ROOMSTER (5J) - 1.4                                                               | BXW, CGGB                                                                         | 2006.09~                                                                            | 1390                                                                                |
|          | ROOMSTER (5J) - 1.4 TDI                                                           | BNM                                                                               | 2006.07~2010.03                                                                     | 1422                                                                                |
|          | ROOMSTER (5J) - 1.6 TDI                                                           | CAYB                                                                              | 2010.03~                                                                            | 1598                                                                                |
|          | ROOMSTER Praktik (5J) - 1.4                                                       | BXW, CGGB                                                                         | 2007.03~                                                                            | 1390                                                                                |

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|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |         |       |                                                                                     |     |                                                                                     |  |
| GT60650                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT60340                                                                             |         | GT60420 |                                                                                     |          |          |                                                                                     | GTB0300 |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT40930                                                                             |         |         | GTA0040                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT40930                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT30550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
| GT60650                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT60340                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT50630                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT40930                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT70730                                                                             |         |         |                                                                                     |          |          | GTB0140                                                                             |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT40930                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |                  |                  | GT30550                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |  |

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|            |  |  |  |  |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER   | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| SKODA      | SUPERB (3T4) - 1.4 TSI                                                            | CAXC                                                                              | 2008.07~                                                                            | 1390                                                                                |
|            | SUPERB (3T4) - 1.6 TDI                                                            | CAYC                                                                              | 2010.09~                                                                            | 1598                                                                                |
|            | SUPERB (3T4) - 2.0 TDI                                                            | CBBB, CFGB                                                                        | 2008.07~                                                                            | 1968                                                                                |
|            | SUPERB (3T4) - 2.0 TDI 16V                                                        | BKD, CFFB, CLJA                                                                   | 2009.01~                                                                            | 1968                                                                                |
|            | SUPERB (3U4) - 1.8 T                                                              | AWT                                                                               | 2001.12~2008.03                                                                     | 1781                                                                                |
|            | SUPERB (3U4) - 1.9 TDI                                                            | AVB                                                                               | 2002.08~2005.10                                                                     | 1896                                                                                |
|            | SUPERB (3U4) - 2.0                                                                | AZM                                                                               | 2001.12~2008.03                                                                     | 1984                                                                                |
|            | SUPERB (3U4) - 2.0 TDI                                                            | BSS                                                                               | 2005.10~2008.03                                                                     | 1968                                                                                |
|            | SUPERB (3U4) - 2.5 TDI                                                            | AYM                                                                               | 2001.12~2003.08                                                                     | 2496                                                                                |
|            | SUPERB (3U4) - 2.8 V6                                                             | AMX                                                                               | 2001.12~2008.03                                                                     | 2771                                                                                |
|            | SUPERB (3V3) - 1.4 TSI                                                            | CZCA                                                                              | 2015.03~                                                                            | 1395                                                                                |
|            | YETI (5L) - 1.2 TSI                                                               | CYVB                                                                              | 2015.05~                                                                            | 1197                                                                                |
|            | YETI (5L) - 1.4 TSI                                                               | CAXA                                                                              | 2010.06~                                                                            | 1390                                                                                |
|            | YETI (5L) - 1.6                                                                   | CWVA                                                                              | 2014.04~                                                                            | 1598                                                                                |
|            | YETI (5L) - 1.6 TDI                                                               | CAYC                                                                              | 2010.11~                                                                            | 1598                                                                                |
|            | YETI (5L) - 2.0 TDI                                                               | CFHA, CLCA                                                                        | 2009.11~                                                                            | 1968                                                                                |
|            | YETI (5L) - 2.0 TDI 4x4                                                           | CBDB, CFHC, CLCB                                                                  | 2009.05~                                                                            | 1968                                                                                |
| SSANG YONG | KORANDO (KJ) - 3.2 (KJ)                                                           | M 104.995                                                                         | 1996.12~                                                                            | 3199                                                                                |
|            | KORANDO (KJ) - 3.2 4x4                                                            | M 104.995                                                                         | 1999.01~                                                                            | 3199                                                                                |
|            | KORANDO Cabrio (KJ) - 3.2                                                         | M 104.995                                                                         | 1999.01~                                                                            | 3199                                                                                |
|            | MUSSO (FJ) - 3.2                                                                  | M 104.992                                                                         | 1996.06~                                                                            | 3199                                                                                |
|            | MUSSO (FJ) - 3.2 4x4                                                              | M 104.992                                                                         | 1999.01~                                                                            | 3199                                                                                |
| SUBARU     | FORESTER (SF) - 2.0                                                               | EJ20                                                                              | 1997.08~2002.09                                                                     | 1994                                                                                |
|            | FORESTER (SF) - 2.0                                                               | EJ20                                                                              | 1997.08~2002.09                                                                     | 1994                                                                                |
|            | FORESTER (SF) - 2.0 S Turbo                                                       | EJ20                                                                              | 1998.06~2001.04                                                                     | 1994                                                                                |
|            | FORESTER (SG) - 2.0 S Turbo                                                       | EJ20                                                                              | 2002.09~                                                                            | 1994                                                                                |
|            | FORESTER (SG) - 2.0 X                                                             | EJ204                                                                             | 2005.09~                                                                            | 1994                                                                                |
|            | FORESTER (SG) - 2.5                                                               | EJ25                                                                              | 2003.12~                                                                            | 2457                                                                                |
|            | FORESTER (SG) - 2.5                                                               | EJ25                                                                              | 2003.12~                                                                            | 2457                                                                                |
|            | FORESTER (SG) - 2.5 XT                                                            | EJ255                                                                             | 2005.09~                                                                            | 2457                                                                                |
|            | IMPREZA Coupe (GFC) - 1.6                                                         | EJ16E                                                                             | 1996.12~2000.12                                                                     | 1597                                                                                |
|            | IMPREZA Coupe (GFC) - 1.6                                                         | EJ16E                                                                             | 1996.12~2000.12                                                                     | 1597                                                                                |
|            | IMPREZA Coupe (GFC) - 2.0 AWD                                                     | EJ20                                                                              | 1995.12~2000.12                                                                     | 1994                                                                                |
|            | IMPREZA Estate (GD, GG) - 1.5 AWD                                                 | EL15                                                                              | 2006.05~                                                                            | 1498                                                                                |
|            | IMPREZA Estate (GD, GG) - 2.0 i R AWD                                             | EJ20, EJ204                                                                       | 2005.09~                                                                            | 1994                                                                                |
|            | IMPREZA Estate (GD, GG) - 2.0 Turbo AWD                                           | EJ205                                                                             | 2000.12~                                                                            | 1994                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GTA0330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |              |              | GT60510                                                                             |         |         | GTA0350                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         | GT60350 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |              |              |                                                                                     |         |         | GTA0350                                                                             |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |              |              | GT90850                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0710                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0710                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GTA0330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GTB0710                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50010                                                                             |         | GT50030 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50010                                                                             |         | GT50030 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50010                                                                             |         | GT50030 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50010                                                                             |         | GT50030 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50010                                                                             |         | GT50030 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50010                                                                             |         | GT50030 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90020                                                                             |         | GT90130 |                                                                                     | GT90280  |          | GHAT-147                                                                            |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90740                                                                             |         | GT90840 |                                                                                     | GT90845  |          | GHAT-147                                                                            |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60270                                                                             |         | GT90020 |                                                                                     | GT90130  |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90020                                                                             |         | GT90130 |                                                                                     | GT90280  |          | GHAT-147                                                                            |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90740                                                                             |         | GT90840 |                                                                                     | GT90845  |          | GHAT-147                                                                            |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             |         | GT90020 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90020                                                                             |         | GT90130 |                                                                                     | GT90280  |          | GHAT-147                                                                            |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90840                                                                             |         | GT90845 |                                                                                     | GHAT-147 |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90970                                                                             |              |              | GT90020                                                                             |         | GT90130 |                                                                                     | GT90840  |          | GHAT-147                                                                            |       |       |                                                                                     |     |                                                                                     |
| GT90970                                                                             |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT90080                                                                             |              |              | GT90020                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |



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|          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| SUBARU   | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
|          | IMPREZA Estate (GF) - 1.6 i AWD                                                   | EJ16                                                                              | 1992.08~2000.12                                                                     | 1597                                                                                |
|          | IMPREZA Estate (GF) - 1.8 i AWD                                                   | EJ18                                                                              | 1992.08~2000.12                                                                     | 1820                                                                                |
|          | IMPREZA Estate (GF) - 2.0 i Turbo AWD                                             | EJ20 (Turbo)                                                                      | 1994.03~2000.12                                                                     | 1994                                                                                |
|          | IMPREZA Hatchback (GR, GH, G3) - 1.5 F                                            | EL15                                                                              | 2008.02~                                                                            | 1498                                                                                |
|          | IMPREZA Hatchback (GR, GH, G3) - 2.0 R AWD                                        | EJ204                                                                             | 2008.01~                                                                            | 1994                                                                                |
|          | IMPREZA Hatchback (GR, GH, G3) - 2.5 WRX STI AWD                                  | EJ257                                                                             | 2008.01~                                                                            | 2457                                                                                |
|          | IMPREZA Saloon (GC) - 1.6 i                                                       | EJ16                                                                              | 1992.08~                                                                            | 1597                                                                                |
|          | IMPREZA Saloon (GC) - 1.6 i                                                       | EJ161                                                                             | 1998.06~2000.12                                                                     | 1597                                                                                |
|          | IMPREZA Saloon (GC) - 1.8 i AWD                                                   | EJ18, EJ18E                                                                       | 1992.08~2000.12                                                                     | 1820                                                                                |
|          | IMPREZA Saloon (GC) - 2.0 i AWD                                                   | EJ20                                                                              | 1995.10~2000.12                                                                     | 1994                                                                                |
|          | IMPREZA Saloon (GC) - 2.0 Turbo GT AWD                                            | EJ20 (Turbo)                                                                      | 1994.03~2000.12                                                                     | 1994                                                                                |
|          | IMPREZA Saloon (GC) - 2.0 Turbo GT AWD                                            | EJ205                                                                             | 1998.06~2000.12                                                                     | 1994                                                                                |
|          | IMPREZA Saloon (GD, GG) - 1.5 AWD                                                 | EL15                                                                              | 2006.05~                                                                            | 1498                                                                                |
|          | IMPREZA Saloon (GD, GG) - 2.0 i R AWD                                             | EJ204                                                                             | 2005.09~                                                                            | 1994                                                                                |
|          | IMPREZA Saloon (GD, GG) - 2.0 WRX STi AWD                                         | EJ207                                                                             | 2001.11~                                                                            | 1994                                                                                |
|          | JUSTY I (KAD) - 1200                                                              | EF12                                                                              | 1987.05~1995.10                                                                     | 1190                                                                                |
|          | JUSTY I (KAD) - 1200 4WD (KAD-A)                                                  | EF12                                                                              | 1987.05~1991.05                                                                     | 1190                                                                                |
|          | LEGACY I (BC) - 1800                                                              | EJ18 SPI                                                                          | 1989.01~1993.12                                                                     | 1820                                                                                |
|          | LEGACY I (BC) - 2000 4WD                                                          | EJ20 EMPI                                                                         | 1991.08~1994.07                                                                     | 1994                                                                                |
|          | LEGACY I (BC) - 2000 Turbo 4WD                                                    | EJ20-GN                                                                           | 1992.05~1994.07                                                                     | 1994                                                                                |
|          | LEGACY I (BC) - 2200 4WD                                                          | EJ22 EMPI                                                                         | 1989.01~1994.07                                                                     | 2212                                                                                |
|          | LEGACY I Estate (BC, BJF) - 2000 Turbo Super 4WD                                  | EJ20-GN                                                                           | 1992.05~1994.07                                                                     | 1994                                                                                |
|          | LEGACY II (BD, BG) - 2.0 i                                                        | EJ20E                                                                             | 1994.09~1999.03                                                                     | 1994                                                                                |
|          | LEGACY II (BD, BG) - 2.2 i 4WD                                                    | EJ22 EMPI                                                                         | 1994.09~1999.03                                                                     | 2212                                                                                |
|          | LEGACY II Estate (BD, BG) - 2.5 i 4WD                                             | EJ25D                                                                             | 1996.06~1998.11                                                                     | 2457                                                                                |
|          | LEGACY III (BE, BH) - 2.0                                                         | EJ20                                                                              | 1999.04~2003.08                                                                     | 1994                                                                                |
|          | LEGACY III (BE, BH) - 2.0                                                         | EJ20                                                                              | 1999.04~2003.08                                                                     | 1994                                                                                |
|          | LEGACY III (BE, BH) - 2.5                                                         | EJ25                                                                              | 1998.10~2003.08                                                                     | 2457                                                                                |
|          | LEGACY III Estate (BE, BH) - 2.5 AWD                                              | EJ25                                                                              | 1998.12~2003.08                                                                     | 2457                                                                                |
|          | LEGACY IV (BL, BP) - 2.0                                                          | EJ20                                                                              | 2003.09~                                                                            | 1994                                                                                |
|          | LEGACY IV (BL, BP) - 2.0 R                                                        | EJ204                                                                             | 2007.09~                                                                            | 1994                                                                                |
|          | LEGACY IV (BL, BP) - 2.5                                                          | EJ25                                                                              | 2003.09~                                                                            | 2457                                                                                |
|          | LEGACY OUTBACK (BG) - 2.5                                                         | EJ25D                                                                             | 1996.01~1999.12                                                                     | 2457                                                                                |
|          | LEGACY V (BM, BR) - 2.0 i AWD                                                     | EJ204                                                                             | 2009.09~                                                                            | 1994                                                                                |
|          | LEGACY V (BM, BR) - 2.5 i AWD                                                     | EJ253                                                                             | 2009.09~                                                                            | 2457                                                                                |
|          | LEGACY V Estate (BM, BR) - 2.5 i                                                  | EJ253                                                                             | 2009.09~                                                                            | 2457                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT      |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90085                                                                             |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             | GT90130 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90080                                                                             |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90740                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             | GT90280 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90085                                                                             |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT60270                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT80050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT80050                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90080                                                                             | GT90970      |              | GT90020                                                                             | GT90130 | GT90280 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90080                                                                             | GT90970      |              | GT90020                                                                             | GT90130 | GT90280 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90085                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90970                                                                             |              |              | GT90020                                                                             | GT90280 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90085                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
| GT90080                                                                             |              |              | GT90130                                                                             | GT90840 | GT90845 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             | GT90840 | GT90845 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
| GT90085                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             | GT90280 | GT90740 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT90840                                                                             | GT90845 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             | GT90280 | GT90840 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT90740                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             | GT90280 | GT90740 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             | GT90020 | GT90130 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT90740                                                                             | GT90840 | GT90845 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |
|                                                                                     |              |              | GT40990                                                                             | GT90130 | GT90840 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT90740                                                                             | GT90840 | GT90845 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     | GHAT-147 |                                                                                     |
|                                                                                     |              |              | GT90130                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |          |                                                                                     |

[illegible]

Application Guide by OE Manufacturers

| OE MAKER | Vehicle Model                                               | Engine Type | Year From ~ To  | Displacement CC |
|----------|-------------------------------------------------------------|-------------|-----------------|-----------------|
|          |                                                             |             |                 |                 |
| SUZUKI   | SX4 (EY, GY) - 1.6 DDIS                                     | 9HX         | 2007.04~        | 1560            |
|          | SX4 (EY, GY) - 1.9 DDiS                                     | D19AA       | 2006.06~        | 1910            |
|          | SX4 (EY, GY) - 2.0 DDiS                                     | D20AA       | 2009.07~        | 1956            |
|          | SX4 S-Cross - 1.6 DDiS                                      | D16AA       | 2013.08~        | 1598            |
|          | VITARA (ET, TA) - 1.6 All-wheel Drive (TA, TA01)            | G16A(8V)    | 1988.07~1998.03 | 1589            |
|          | VITARA (ET, TA) - 1.6 i 16V All-wheel Drive (ET, TA02)      | G16B        | 1990.07~1998.03 | 1589            |
|          | VITARA (ET, TA) - 1.9 D All-wheel Drive (ET)                | XUD9A       | 1995.01~1998.03 | 1905            |
|          | VITARA (ET, TA) - 2.0 TD All-wheel Drive (ET)               | RF          | 1994.12~1998.03 | 1998            |
|          | VITARA (ET, TA) - 2.0 TD Intercooler All-wheel Drive (ET)   | RF          | 1995.12~1998.03 | 1998            |
|          | VITARA Cabrio (ET, TA) - 1.9 D (ET)                         | XUD9A       | 1995.01~1998.03 | 1905            |
|          | WAGON R+ (EM) - 1.0 (MA61)                                  | K10A        | 1998.02~2000.05 | 996             |
|          | X-90 (EL) - 1.6 i 16V 4x4                                   | G16B        | 1995.09~1997.12 | 1590            |
| TALBOT   | HORIZON - 1.9 Diesel                                        | XUD9        | 1982.07~1986.06 | 1905            |
| TOYOTA   | 4 RUNNER (KZN18, VZN18, RZN18) - 3.0 Turbo-D                | 1KZ-T       | 1995.11~2002.11 | 2982            |
|          | 4 RUNNER (RN10, VZN13, VZN10, RN13) - 3.0 Turbo-D (KZN 130) | 1KZ-T       | 1993.10~1996.03 | 2982            |
|          | 4 RUNNER (RN10, VZN13, VZN10, RN13) - 3.0 V6 (VZN 130)      | 3VZ-E       | 1990.07~1995.11 | 2959            |
|          | 4 RUNNER (RN10, VZN13, VZN10, RN13) - 3.4 i                 | 5VZ-FE      | 1995.11~1996.03 | 3378            |
|          | AURIS (NRE15, ZZE15, ADE15, ZRE15, NDE15) - 1.4 VTi         | 4ZZ-FE      | 2007.03~        | 1398            |
|          | AVALON Saloon (MCX1) - 3.0                                  | 1MZ-FE      | 1995.03~2005.05 | 2995            |
|          | AVENSIS (T22) - 1.6 (AT220)                                 | 4A-FE       | 1997.09~2000.10 | 1587            |
|          | AVENSIS (T22) - 1.6 VWT-i                                   | 3ZZ-FE      | 2000.10~2003.02 | 1598            |
|          | AVENSIS (T22) - 1.8 (AT221)                                 | 7A-FE       | 1997.09~2000.10 | 1762            |
|          | AVENSIS (T22) - 1.8 VWT-i                                   | 1ZZ-FE      | 2000.10~2003.02 | 1794            |
|          | AVENSIS (T22) - 2.0 (ST220)                                 | 3S-FE       | 1997.09~2000.10 | 1998            |
|          | AVENSIS (T22) - 2.0 D-4D (CDT220)                           | 1CD-FTV     | 1999.10~2003.02 | 1995            |
|          | AVENSIS (T22) - 2.0 TD (CT220)                              | 2C-TE       | 1997.09~2003.02 | 1975            |
|          | AVENSIS (T22) - 2.0 VWT-i                                   | 1AZ-FSE     | 2003.10~2003.02 | 1998            |
|          | AVENSIS (T25) - 1.6 VWT-i                                   | 3ZZ-FE      | 2003.04~2008.11 | 1598            |
|          | AVENSIS (T25) - 1.8                                         | 1ZZ-FE      | 2003.04~2008.11 | 1794            |
|          | AVENSIS Liftback (T22) - 2.0 D-4D (CDT220)                  | 1CD-FTV     | 1999.10~2003.02 | 1995            |
|          | AVENSIS Saloon (T25) - 2.0                                  | 1AZ-FSE     | 2003.04~2008.11 | 1998            |
|          | AVENSIS Saloon (T25) - 2.4                                  | 2AZ-FSE     | 2003.10~2008.11 | 2362            |
|          | AVENSIS VERSO (CLM2, ACM2) - 2.0 D-4D                       | 1CD-FTV     | 2001.08~2005.08 | 1995            |
|          | AYGO (WNB1, KGB1) - 1.4 HDi (WNB10)                         | 2WZ-TV      | 2005.07~2010.08 | 1398            |
|          | CAMRY (CV1, XV1, V1) - 3.0 (VCV10)                          | 3VZ-FE      | 1991.06~1996.08 | 2959            |
|          | CAMRY (CV2, XV2) - 3.0 V6                                   | 1MZ-FE      | 1996.08~2001.11 | 2995            |

|  |              |              |  |         |         |  |          |          |  |       |       |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT                                                                                 |
| GT30500                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0200                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0390                                                                             |       |       |                                                                                     |                                                                                     |
| GT80320                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80640                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50560                                                                             | GT50570      | GT50590      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT50560                                                                             | GT50570      | GT50590      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80640                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80640                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60140                                                                             | GT60130      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90210                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60210                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-03                                                                             |                                                                                     |
| GT80600                                                                             | GT90340      | GT90440      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT90450                                                                             |              | GT90460      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |                                                                                     |
| GT60010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80540                                                                             | GT80680      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80430                                                                             | GT90940      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |                                                                                     |
| GT80430                                                                             | GT90940      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |                                                                                     |
| GT80020                                                                             |              | GT80030      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT60760                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-165                                                                            |                                                                                     |
| GT70830                                                                             | GT80710      | GT80330      | GT90240                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-01                                                                             |                                                                                     |
| GT60010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |                                                                                     |
| GT60010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |                                                                                     |
| GT60760                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-01                                                                             |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-01                                                                             |                                                                                     |
| GT60760                                                                             |              | GT70310      |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-165                                                                            |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0020                                                                             |          |          | GTB0200                                                                             |       |       |                                                                                     |                                                                                     |
| GT80540                                                                             | GT80680      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |
| GT80680                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |                                                                                     |

|                                              |  |  |  |  |
|----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER                                     | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| TOYOTA                                       | CAMRY (MCV3, ACV3, XV3) - 2.4 VVT-i                                               | 2AZ-FE                                                                            | 2001.11~2006.11                                                                     | 2362                                                                                |
|                                              | CAMRY (MCV3, ACV3, XV3) - 3.0 V6                                                  | 1MZ-FE                                                                            | 2001.11~2006.11                                                                     | 2995                                                                                |
|                                              | CAMRY (V2) - 2.0 GLi 16V (SV21, SV25)                                             | 3S-FE                                                                             | 1986.11~1991.05                                                                     | 1998                                                                                |
|                                              | CAMRY Liftback (V1) - 1.8                                                         | 1S-L                                                                              | 1983.02~1986.10                                                                     | 1832                                                                                |
|                                              | CAMRY Liftback (V1) - 1.8 Turbo-D                                                 | 1C-TL                                                                             | 1984.10~1988.01                                                                     | 1840                                                                                |
|                                              | CAMRY Liftback (V1) - 2.0                                                         | 2S-ELC                                                                            | 1986.04~1988.01                                                                     | 1995                                                                                |
|                                              | CAMRY Station Wagon (XV1, CV1, V10) - 2.2 (SXV10)                                 | 5S-FE                                                                             | 1992.03~1996.07                                                                     | 2164                                                                                |
|                                              | CARINA E (T19) - 1.6 (AT190)                                                      | 4A-FE                                                                             | 1993.12~1997.09                                                                     | 1587                                                                                |
|                                              | CARINA E (T19) - 2.0 D (CT190)                                                    | 2C                                                                                | 1992.04~1996.01                                                                     | 1975                                                                                |
|                                              | CARINA E (T19) - 2.0 GTi (ST191)                                                  | 3S-GE                                                                             | 1992.04~1994.02                                                                     | 1998                                                                                |
|                                              | CARINA E (T19) - 2.0 GTi 16V (ST191)                                              | 3S-GE                                                                             | 1994.03~1997.09                                                                     | 1998                                                                                |
|                                              | CARINA II (T15) - 1.6 (AT151)                                                     | 4A-LC                                                                             | 1983.10~1987.11                                                                     | 1587                                                                                |
|                                              | CARINA II (T15) - 1.8 GLi (ST150)                                                 | 1S-L                                                                              | 1983.10~1987.11                                                                     | 1832                                                                                |
|                                              | CARINA II (T15) - 2.0 D                                                           | 2C-L                                                                              | 1984.02~1988.05                                                                     | 1974                                                                                |
|                                              | CARINA II (T17) - 1.6 (AT171)                                                     | 4A-F                                                                              | 1987.12~1989.11                                                                     | 1587                                                                                |
|                                              | CARINA II (T17) - 2.0 GLi (ST171)                                                 | 3S-FE                                                                             | 1987.12~1992.03                                                                     | 1998                                                                                |
|                                              | CARINA II Saloon (T17) - 1.6 (AT171)                                              | 4A-F                                                                              | 1987.12~1990.08                                                                     | 1587                                                                                |
|                                              | CELICA (AT16, ST16) - 2.0                                                         | 3S-GEL                                                                            | 1987.01~1989.08                                                                     | 1998                                                                                |
|                                              | CELICA (ZZT23) - 1.8 16V TS (ZZT231)                                              | 2ZZ-GE                                                                            | 1999.08~2005.09                                                                     | 1796                                                                                |
|                                              | CELICA (ZZT23) - 1.8 16V VT-i (ZZT230)                                            | 1ZZ-FE                                                                            | 1999.08~2005.07                                                                     | 1794                                                                                |
|                                              | CELICA Coupe (A6) - 1.6                                                           | 4A-GE                                                                             | 1983.12~1985.12                                                                     | 1587                                                                                |
|                                              | CELICA Coupe (AT18, ST18) - 1.6 STi (AT180)                                       | 4A-FE                                                                             | 1989.10~1993.11                                                                     | 1587                                                                                |
|                                              | CELICA Coupe (ST16, AT16) - 2.0 Turbo 4WD                                         | 3S-GTE                                                                            | 1988.03~1989.08                                                                     | 1998                                                                                |
|                                              | CELICA Hatchback (ST16, AT16) - 1.6                                               | 4A-L                                                                              | 1986.04~1989.08                                                                     | 1588                                                                                |
|                                              | CELICA Hatchback (ST16, AT16) - 2.0 GT                                            | 3S-GELC                                                                           | 1985.09~1989.08                                                                     | 1998                                                                                |
|                                              | CELICA SUPRA (A6) - 2.8 i                                                         | 5M-GE                                                                             | 1981.08~1985.12                                                                     | 2759                                                                                |
|                                              | CELSIOR (UCF1) - 4.0                                                              | 1UZ-FE                                                                            | 1988.12~1993.04                                                                     | 3969                                                                                |
|                                              | COASTER Bus (TRB5, XZB5, RZB4, HZB5, BZB5, BB4) - 4.2 TD                          | 1H-Z                                                                              | 1993.02~2003.10                                                                     | 4164                                                                                |
|                                              | COROLLA (E10) - 1.3 XLI (EE101)                                                   | E-FE                                                                              | 1995.09~1997.04                                                                     | 1332                                                                                |
|                                              | COROLLA (E10) - 2.0 D (CE100)                                                     | 2C                                                                                | 1992.07~1997.04                                                                     | 1975                                                                                |
|                                              | COROLLA (E8) - 1.3 (AE80/EE80)                                                    | 2E-L, 2E-LC                                                                       | 1984.10~1987.08                                                                     | 1295                                                                                |
|                                              | COROLLA (E9) - 1.6 i 4WD                                                          | 4A-FE                                                                             | 1987.10~1990.08                                                                     | 1587                                                                                |
|                                              | COROLLA (ZZE12, NDE12, ZDE12) - 1.4 VVT-i                                         | 4ZZ-FE                                                                            | 2002.01~2006.12                                                                     | 1398                                                                                |
| COROLLA (ZZE12, NDE12, ZDE12) - 1.6 VVT-i    | 3ZZ-FE                                                                            | 2002.01~2006.12                                                                   | 1598                                                                                |                                                                                     |
| COROLLA (ZZE12, NDE12, ZDE12) - 1.8 VTL-i TS | 2ZZ-GE                                                                            | 2002.01~2007.02                                                                   | 1796                                                                                |                                                                                     |
| COROLLA (ZZE12, NDE12, ZDE12) - 2.0 D-4D     | 1CD-FTV                                                                           | 2002.01~2006.12                                                                   | 1995                                                                                |                                                                                     |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GHAT-01                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60620                                                                             | GT60630      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80020                                                                             |              |              | GT80030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80370                                                                             |              |              | GT80030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT70830                                                                             | GT80710      |              | GT80330                                                                             | GT90240 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80370                                                                             |              |              | GT80030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80020                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80430                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT80330                                                                             | GT90240 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90820                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90670                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80370                                                                             |              |              | GT80030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT70830                                                                             | GT80710      |              | GT80330                                                                             | GT90240 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90940                                                                             |              |              | GT80350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80020                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90810                                                                             |              |              | GT80030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GHAT-02                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GHAT-02                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT80350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90810                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80010                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90810                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90090                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90590                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT80380                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT70830                                                                             | GT80710      |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60290                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT80350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60010                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60010                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GHAT-02                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60760                                                                             |              |              | GT70310                                                                             | GT70330 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GHAT-165                                                                            |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |

## Application Guide by OE Manufacturers

| OE MAKER |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| TOYOTA   | COROLLA Compact (E10) - 1.3 12V (EE100)                                           | 2E                                                                                | 1992.07~1995.05                                                                     | 1296                                                                                |
|          | COROLLA Compact (E10) - 1.3 XLI (EE101)                                           | 4E-FE                                                                             | 1995.09~1997.04                                                                     | 1332                                                                                |
|          | COROLLA Compact (E10) - 1.6 Si (AE101)                                            | 4A-FE                                                                             | 1992.07~1997.04                                                                     | 1587                                                                                |
|          | COROLLA Compact (E10) - 2.0 D (CE100)                                             | 2C                                                                                | 1992.07~1997.04                                                                     | 1975                                                                                |
|          | COROLLA Compact (E11) - 1.4 (EE111)                                               | 4E-FE                                                                             | 1997.04~2000.02                                                                     | 1332                                                                                |
|          | COROLLA Compact (E11) - 1.4 (ZZE111)                                              | 4ZZ-FE                                                                            | 2000.02~2002.01                                                                     | 1398                                                                                |
|          | COROLLA Compact (E11) - 1.6 (ZZE112)                                              | 3ZZ-FE                                                                            | 2000.02~2002.01                                                                     | 1598                                                                                |
|          | COROLLA Compact (E11) - 1.9 D (WZE110)                                            | 1WZ                                                                               | 2000.02~2002.01                                                                     | 1867                                                                                |
|          | COROLLA Compact (E11) - 2.0 D-4D                                                  | 1CD-FTV                                                                           | 2000.09~2002.01                                                                     | 1995                                                                                |
|          | COROLLA FX Compact (E8B) - 1.3                                                    | 2E-L                                                                              | 1985.08~1987.08                                                                     | 1295                                                                                |
|          | COROLLA Liftback (E11) - 1.9 D (WZE110)                                           | 1WZ                                                                               | 2000.02~2002.01                                                                     | 1867                                                                                |
|          | COROLLA Liftback (E8) - 1.3 (EE80)                                                | 2E-L, 2E-LC                                                                       | 1985.01~1987.08                                                                     | 1296                                                                                |
|          | COROLLA Liftback (E8) - 1.8 D                                                     | 1C                                                                                | 1983.06~1988.05                                                                     | 1839                                                                                |
|          | COROLLA Liftback (E9) - 1.3 i (EE90)                                              | 2E, 2E-E                                                                          | 1987.08~1992.04                                                                     | 1296                                                                                |
|          | COROLLA Liftback (E9) - 1.8 D (CE90)                                              | 1C                                                                                | 1987.08~1992.04                                                                     | 1839                                                                                |
|          | COROLLA Verso (ZDE12, CDE12) - 1.6 WT-i                                           | 3ZZ-FE                                                                            | 2002.01~2004.05                                                                     | 1598                                                                                |
|          | COROLLA Wagon (E10) - 1.3 XLI (EE101)                                             | 4E-FE                                                                             | 1995.09~1997.04                                                                     | 1332                                                                                |
|          | CRESSIDA Saloon - 2.0 S                                                           | 1G-FE                                                                             | 1992.10~1996.09                                                                     | 1988                                                                                |
|          | CRESSIDA Saloon (GX7, MX73) - 2.4 TD                                              | 2L-T                                                                              | 1985.05~1988.09                                                                     | 2446                                                                                |
|          | CRESSIDA Saloon (GX7, MX73) - 2.8                                                 | 5M-GE                                                                             | 1985.05~1988.09                                                                     | 2759                                                                                |
|          | CRESSIDA Saloon (LX8, GX8, MX8, RX8) - 2.0                                        | 1G-FE                                                                             | 1988.10~1991.09                                                                     | 1988                                                                                |
|          | CRESSIDA Saloon (LX8, GX8, MX8, RX8) - 3.0                                        | 7M-GE                                                                             | 1988.10~1992.09                                                                     | 2954                                                                                |
|          | CRESSIDA Saloon (X6) - 2.0 GLI                                                    | 1G-E                                                                              | 1982.11~1984.12                                                                     | 1988                                                                                |
|          | CRESSIDA Saloon (X6) - 2.0 GLI                                                    | 1G-FE                                                                             | 1982.08~1992.09                                                                     | 1988                                                                                |
|          | CRESSIDA Saloon (X6) - 2.2 D (LX60)                                               | L                                                                                 | 1980.09~1984.07                                                                     | 2173                                                                                |
|          | CROWN Saloon (S1) - 2.8 i Super Saloon (S12)                                      | 5M-GE                                                                             | 1984.02~1985.03                                                                     | 2759                                                                                |
|          | DYNA Bus (LY1, H8) - 2.4 D                                                        | 2L                                                                                | 1987.08~2001.07                                                                     | 2446                                                                                |
|          | DYNA Platform/Chassis (LH8) - 2.4 D                                               | 2L                                                                                | 1987.08~1995.04                                                                     | 2446                                                                                |
|          | HIACE I Box (RH1, LH3, RH3, RH2, LH2, LH1) - 2.2 D (LH20-30)                      | L                                                                                 | 1979.01~1983.03                                                                     | 2173                                                                                |
|          | HIACE II Box (LH5, YH7, LH7, LH6, YH6, YH5) - 2.2 D                               | L                                                                                 | 1983.03~1989.11                                                                     | 2173                                                                                |
|          | HIACE III Box (YH7, LH6, LH7, LH5, YH5, YH6) - 2.0                                | 1RZ                                                                               | 1990.02~1995.08                                                                     | 1998                                                                                |
|          | HIACE III Wagon (LH1, RZH1) - 2.0 (RZH102)                                        | 1RZ                                                                               | 1989.08~1998.04                                                                     | 1998                                                                                |
|          | HIACE III Wagon (LH1, RZH1) - 2.4 D (LH102)                                       | 2L                                                                                | 1989.08~1995.08                                                                     | 2446                                                                                |
|          | HIACE IV Box (LXH1, RZH1, LH1) - 2.4 4WD (RCH18, RCH28)                           | 2RZ-E                                                                             | 1995.08~1998.04                                                                     | 2438                                                                                |
|          | HIACE IV Box (LXH1, RZH1, LH1) - 2.4 D (LXH12, LXH22)                             | 2L                                                                                | 1995.08~2006.08                                                                     | 2446                                                                                |
|          | HIACE IV Box (LXH1, RZH1, LH1) - 2.5 D-4D                                         | 2KD-FTV                                                                           | 2001.11~2006.08                                                                     | 2494                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |
| GT80700                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80420                                                                             |              |              | GT80380                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80430                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT60000                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT80380                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |     |
| GT60070                                                                             | GT60080      |              | GT30610                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT60760                                                                             |              |              | GT70330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT60290                                                                             |              |              | GT80730                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT60070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT60290                                                                             | GT80700      |              | GT80730                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT70830                                                                             | GT80710      |              | GT80330                                                                             | GT90240 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT90930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT90950                                                                             |              |              | GT60000                                                                             | GT90930 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-02                                                                             |     |
| GT80420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT90260                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80140                                                                             |              |              | GT80150                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT90260                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT90800                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT80030                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT90250                                                                             | GT90260 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80140                                                                             |              |              | GT80150                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80360                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80470                                                                             |              |              | GT80150                                                                             | GT80720 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT80720                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80140                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80140                                                                             |              |              | GT80150                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT90920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT90920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT80720                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
|                                                                                     |              |              | GT90920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT80470                                                                             |              |              | GT80720                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |
| GT90210                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |



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| OE MAKER | Vehicle Model                                                                 | Engine Type | Year From ~ To  | Displacement CC |
|----------|-------------------------------------------------------------------------------|-------------|-----------------|-----------------|
|          |                                                                               |             |                 |                 |
| TOYOTA   | HIACE IV Bus (LH1) - 2.5 D-4D                                                 | 2KD-FTV     | 2001.11~2006.08 | 2494            |
|          | HILUX II Pickup (RN6, RN5, LN6, YN6, YN5, LN5) - 2.4 D (LN150, LN145)         | 2L          | 1998.07~2002.01 | 2446            |
|          | HILUX II Pickup (RN6, RN5, LN6, YN6, YN5, LN5) - 2.5 D-4D                     | 2KD-FTV     | 2001.11~2005.07 | 2494            |
|          | LAND CRUISER (PZJ7, KZJ7, HZJ7, BJ7, LJ7, RJ7) - 2.4 D (LJ70)                 | 2L          | 1984.11~1985.10 | 2446            |
|          | LAND CRUISER (PZJ7, KZJ7, HZJ7, BJ7, LJ7, RJ7) - 2.4 TD (LJ70)                | 2L-T        | 1990.01~1993.05 | 2446            |
|          | LAND CRUISER (PZJ7, KZJ7, HZJ7, BJ7, LJ7, RJ7) - 3.0 TD (KZJ70, KZJ73, KZJ77) | 1KZ-T       | 1993.05~1996.05 | 2982            |
|          | LAND CRUISER (PZJ7, KZJ7, HZJ7, BJ7, LJ7, RJ7) - 4.2 TD (HZJ7V)               | 1H-Z        | 1990.01~        | 4164            |
|          | LAND CRUISER (VDJ20, UZJ20) - 4.7 V8 (UZJ200)                                 | 2UZ-FE      | 2008.01~        | 4664            |
|          | LAND CRUISER 80 (J8) - 4.2 TD 24V (HDJ80)                                     | 1HD-FT      | 1995.03~1997.12 | 4164            |
|          | LAND CRUISER PRADO (J9) - 3.0 TD (KZJ90, KZJ95)                               | 1KZ-TE      | 1996.04~        | 2982            |
|          | LAND CRUISER PRADO (J9) - 3.4 i 24V (VZJ90, VZJ95)                            | 5VZ-FE      | 1996.04~        | 3378            |
|          | LAND CRUISER PRADO (KDJ12, GRJ12) - 3.0 D-4D (KDJ120, KDJ150, KDJ125)         | 1KD-FTV     | 2003.01~2010.02 | 2982            |
|          | MR 2 I (AW1) - 1.6 16V (AW11)                                                 | 4A-GELC     | 1984.11~1990.06 | 1587            |
|          | MR 2 II (SW2) - 2.0 16V (SW20)                                                | 3S-GE       | 1989.12~2000.05 | 1998            |
|          | MR 2 III (ZZW3) - 1.8 16V VT-i (ZZW30)                                        | 1ZZ-FE      | 1999.10~2007.06 | 1794            |
|          | PASEO Coupe (EL54) - 1.5 16V                                                  | 5E-FE       | 1995.08~1999.07 | 1497            |
|          | PICNIC (XM10) - 2.0                                                           | 3S-FE       | 2001.01~2001.12 | 1998            |
|          | PICNIC (XM10) - 2.2 D (CMX10)                                                 | 3C-TE       | 1997.08~2001.12 | 2184            |
|          | PRADO (UZJ100) - 4.2 TD (HDJ100)                                              | 1HD-FTE     | 1998.01~        | 4164            |
|          | PRADO (UZJ100) - 4.7 (UZJ100)                                                 | 2UZ-FE      | 1998.01~        | 4664            |
|          | PREVIA (MCR3, ACR3, CLR3) - 2.0 D-4D                                          | 1CD-FTV     | 2001.03~2006.01 | 1995            |
|          | RAV 4 I (SXA1) - 2.0 4WD                                                      | 3S-FE       | 1994.06~2000.06 | 1998            |
|          | RAV 4 I Cabrio (SXA1) - 2.0 16V 4WD                                           | 3S-FE       | 1997.12~2000.06 | 1998            |
|          | RAV 4 II (CLA2, XA2, ZCA2, ACA2) - 1.8 VVTi                                   | 1ZZ-FE      | 2000.08~2005.11 | 1794            |
|          | RAV 4 II (CLA2, XA2, ZCA2, ACA2) - 2.0 D-4D 4WD                               | 1CD-FTV     | 2001.09~2005.11 | 1995            |
|          | STARLET (EP91) - 1.3                                                          | 4E-FE       | 1996.04~1999.03 | 1332            |
|          | STARLET (P7) - 1.0 (EP70L)                                                    | 1E-L        | 1984.10~1989.12 | 999             |
|          | STARLET (P7) - 1.3 (EP71L)                                                    | 2E-LC       | 1984.10~1989.12 | 1295            |
|          | STARLET (P8) - 1.3 12V (EP81)                                                 | 2E, 2E-E    | 1989.12~1992.12 | 1296            |
|          | SUPRA (JZA70, GA70, MA70) - 3.0 Turbo                                         | 7M-GTE      | 1987.09~1993.04 | 2954            |
|          | SUPRA (JZA80) - 3.0 i Bi-Turbo                                                | 2JZ-GTE     | 1993.05~2002.08 | 2997            |
|          | SUPRA (MA60) - 2,8 24V                                                        | 5M-GE       | 1981.12~1985.12 | 2759            |
|          | TERCEL (AL2) - 1.5 4WD (AL25)                                                 | 3A-C        | 1986.05~1988.01 | 1452            |
|          | TERCEL (L1, L2) - 1.3 (AL20, AL11)                                            | 2A          | 1979.03~1988.01 | 1296            |
|          | WISH MPV (ZNE1, ANE1) - 2.0 Zi                                                | 1AZ-FSE     | 2003.04~2009.03 | 1998            |

| TENSIONER 1  |              |              | IDLER 1 |         |         | PULLEY 1 |          |          | TBT 1 |       |       | HAT 1 |     | ADT      |
|--------------|--------------|--------------|---------|---------|---------|----------|----------|----------|-------|-------|-------|-------|-----|----------|
| TEN-SIONER 1 | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1 | IDLER 2 | IDLER 3 | PULLEY 1 | PULLEY 2 | PULLEY 3 | TBT 1 | TBT 2 | TBT 3 | HAT 1 | ADT |          |
| GT90210      |              |              |         |         |         |          |          |          |       |       |       |       |     | GHAT-03  |
| GT80470      |              |              | GT80720 |         |         |          |          |          |       |       |       |       |     |          |
| GT90210      |              |              |         |         |         |          |          |          |       |       |       |       |     | GHAT-03  |
| GT80140      |              |              | GT80150 |         |         |          |          |          |       |       |       |       |     |          |
| GT80470      |              |              | GT80720 |         |         |          |          |          |       |       |       |       |     |          |
| GT60210      |              |              |         |         |         |          |          |          |       |       |       |       |     | GHAT-03  |
| GT90590      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              | GT90050 |         |         |          |          |          |       |       |       |       |     |          |
| GT90590      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT90210      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT90450      |              |              | GT90460 |         |         |          |          |          |       |       |       |       |     |          |
| GT90210      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT80630      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT90670      | GT90820      |              | GT80030 |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              | GT60010 |         |         |          |          |          |       |       |       |       |     | GHAT-02  |
| GT80420      |              |              | GT80380 |         |         |          |          |          |       |       |       |       |     |          |
| GT80020      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              | GT80330 | GT90240 |         |          |          |          |       |       |       |       |     |          |
| GT90590      |              |              | GT90920 |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              | GT90050 |         |         |          |          |          |       |       |       |       |     |          |
| GT60760      |              |              | GT70310 | GT70330 |         |          |          |          |       |       |       |       |     | GHAT-165 |
| GT80020      |              |              | GT80030 |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              | GT80030 |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              |         |         |         |          |          |          |       |       |       |       |     | GHAT-02  |
| GT60760      |              |              | GT70310 |         |         |          |          |          |       |       |       |       |     | GHAT-165 |
| GT80420      |              |              | GT80380 | GT90920 |         |          |          |          |       |       |       |       |     |          |
| GT60290      | GT80700      |              | GT80730 |         |         |          |          |          |       |       |       |       |     |          |
| GT60290      | GT80700      |              | GT80730 |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              | GT80730 |         |         |          |          |          |       |       |       |       |     |          |
| GT90800      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT90830      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT80360      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT80010      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
| GT80010      |              |              |         |         |         |          |          |          |       |       |       |       |     |          |
|              |              |              |         |         |         |          |          |          |       |       |       |       |     | GHAT-01  |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |     |  |  |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GT90140                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90140                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT90140                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60110                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50600                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50600                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50600                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT50600                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GTB0440 GTB0460                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GTB0440                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60430                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GTB0380                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |

Application Guide by OE Manufacturers

| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| VOLVO         | C30 - 1.6 D                                                                       | D 4164 T                                                                          | 2006.10~2012.12                                                                     | 1560                                                                                |
|               | C30 - 1.6 D2                                                                      | D 4162 T                                                                          | 2010.10~2012.12                                                                     | 1560                                                                                |
|               | C30 - 2.0 D                                                                       | D 4204 T                                                                          | 2006.10~2012.12                                                                     | 1998                                                                                |
|               | C30 - 2.4 i                                                                       | B 5244 S4                                                                         | 2006.10~2012.12                                                                     | 2435                                                                                |
|               | C30 - D3                                                                          | D 5204 T5                                                                         | 2010.10~2012.12                                                                     | 1984                                                                                |
|               | C30 - D4                                                                          | D 5204 T                                                                          | 2010.10~2012.12                                                                     | 1984                                                                                |
|               | C30 - D5                                                                          | D 5244 T13, D 5244 T8                                                             | 2006.10~2012.12                                                                     | 2400                                                                                |
|               | C30 - T5                                                                          | B 5254 T3                                                                         | 2006.10~2012.12                                                                     | 2521                                                                                |
|               | C70 I Coupe - 2.0 T                                                               | B 5204 T4                                                                         | 2000.03~2002.09                                                                     | 1984                                                                                |
|               | C70 II Convertible - 2.0 D                                                        | D 4204 T                                                                          | 2008.01~                                                                            | 1997                                                                                |
|               | C70 II Convertible - 2.4                                                          | B 5244 S5                                                                         | 2006.03~                                                                            | 2435                                                                                |
|               | C70 II Convertible - D3                                                           | D 5204 T5                                                                         | 2010.10~                                                                            | 1984                                                                                |
|               | C70 II Convertible - D4                                                           | D 5204 T                                                                          | 2010.10~                                                                            | 1984                                                                                |
|               | C70 II Convertible - D5                                                           | D 5244 T13, D 5244 T8                                                             | 2006.03~                                                                            | 2400                                                                                |
|               | C70 II Convertible - T5                                                           | B 5254 T3                                                                         | 2006.03~                                                                            | 2521                                                                                |
|               | S40 I (VS) - 1.6                                                                  | B 4164 S2                                                                         | 1999.03~2003.12                                                                     | 1587                                                                                |
|               | S40 I (VS) - 1.8                                                                  | B 4184 S, B 4184 S3                                                               | 1995.07~1999.08                                                                     | 1731                                                                                |
|               | S40 I (VS) - 1.8 i                                                                | B 4184 SJ                                                                         | 2001.06~2003.12                                                                     | 1834                                                                                |
|               | S40 I (VS) - 1.9 DI                                                               | D 4192 T4                                                                         | 2000.07~2003.12                                                                     | 1870                                                                                |
|               | S40 I (VS) - 1.9 T4                                                               | B 4194 T, B 4194 T2                                                               | 1997.05~2000.07                                                                     | 1855                                                                                |
|               | S40 I (VS) - 1.9 TD                                                               | D 4192 T                                                                          | 1995.07~1999.08                                                                     | 1870                                                                                |
|               | S40 I (VS) - 2.0                                                                  | B 4204 S, B 4204 S2                                                               | 1995.07~2003.12                                                                     | 1984                                                                                |
|               | S40 II (MS) - 1.6                                                                 | B 4164 S3                                                                         | 2005.01~                                                                            | 1596                                                                                |
|               | S40 II (MS) - 1.6 D                                                               | D 4164 T                                                                          | 2005.01~                                                                            | 1560                                                                                |
|               | S40 II (MS) - 1.6 D2                                                              | D 4162 T                                                                          | 2010.10~                                                                            | 1560                                                                                |
|               | S40 II (MS) - 2.0 D                                                               | D 4204 T                                                                          | 2004.01~                                                                            | 1998                                                                                |
|               | S40 II (MS) - 2.4                                                                 | B 5244 S5                                                                         | 2004.01~                                                                            | 2435                                                                                |
|               | S40 II (MS) - 2.4 D5                                                              | D 5244 T13, D 5244 T8                                                             | 2006.03~                                                                            | 2400                                                                                |
|               | S40 II (MS) - D3                                                                  | D 5204 T5                                                                         | 2010.10~                                                                            | 1984                                                                                |
|               | S40 II (MS) - D4                                                                  | D 5204 T                                                                          | 2010.10~                                                                            | 1984                                                                                |
|               | S40 II (MS) - T5                                                                  | B 5254 T3                                                                         | 2004.01~                                                                            | 2521                                                                                |
|               | S60 I - 2.0 T                                                                     | B 5204 T5                                                                         | 2000.07~2010.04                                                                     | 1984                                                                                |
|               | S60 I - 2.4 D                                                                     | D 5244 T7                                                                         | 2005.09~2010.04                                                                     | 2401                                                                                |
|               | S60 I - 2.4 D5                                                                    | D 5244 T                                                                          | 2001.07~2010.04                                                                     | 2401                                                                                |
|               | S60 I - 2.4 T5                                                                    | B 5244 T5                                                                         | 2004.04~2010.04                                                                     | 2401                                                                                |
|               | S60 I - 2.5 T                                                                     | B 5254 T2                                                                         | 2004.02~2010.04                                                                     | 2521                                                                                |

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|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0020                                                                             |          |          | GTB0200                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT50550                                                                             | GT70320      |              | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60110                                                                             |              |              | GT50540                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0380                                                                             | GTB0410 |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0020                                                                             |          |          | GTB0200                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |     |                                                                                     |

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|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OE MAKER          | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| VOLVO             | S60 I - T5                                                                        | B 5234 T3                                                                         | 2000.07~2010.04                                                                     | 2319                                                                                |
|                   | S60 II - D3                                                                       | D 5204 T7                                                                         | 2012.05~                                                                            | 1984                                                                                |
|                   | S60 II - D4                                                                       | D 5204 T3                                                                         | 2012.05~                                                                            | 1984                                                                                |
|                   | S60 II - D5                                                                       | D 5244 T10                                                                        | 2010.04~                                                                            | 2400                                                                                |
|                   | S60 II - DRIVE / D2                                                               | D 4162 T                                                                          | 2011.01~                                                                            | 1560                                                                                |
|                   | S70 (LS) - 2.0                                                                    | B 5202 FS, B 5202 S                                                               | 1997.01~2000.11                                                                     | 1984                                                                                |
|                   | S70 (LS) - 2.0 Turbo                                                              | B 5204 T                                                                          | 1997.01~2000.11                                                                     | 1984                                                                                |
|                   | S70 (LS) - 2.3 T-5                                                                | B 5234 T3                                                                         | 1997.01~2000.11                                                                     | 2319                                                                                |
|                   | S70 (LS) - 2.4 AWD                                                                | B 5252 FS                                                                         | 1996.11~1999.05                                                                     | 2435                                                                                |
|                   | S70 (LS) - 2.5 TDI                                                                | D 5252 T                                                                          | 1997.01~2000.11                                                                     | 2461                                                                                |
|                   | S80 I (TS, XY) - 2.0                                                              | B 5204 T4                                                                         | 1998.06~2006.07                                                                     | 1984                                                                                |
|                   | S80 I (TS, XY) - 2.4                                                              | B 5244 S2                                                                         | 1999.01~2006.07                                                                     | 2435                                                                                |
|                   | S80 I (TS, XY) - 2.5 T                                                            | B 5254 T2                                                                         | 2003.03~2006.07                                                                     | 2521                                                                                |
|                   | S80 I (TS, XY) - 2.5 TDI                                                          | D 5252 T                                                                          | 1999.01~2006.07                                                                     | 2461                                                                                |
|                   | S80 I (TS, XY) - 2.8 T6                                                           | B 6284 T                                                                          | 1998.05~2006.07                                                                     | 2783                                                                                |
|                   | S80 I (TS, XY) - 2.9                                                              | B 6294 S                                                                          | 1999.03~2006.07                                                                     | 2922                                                                                |
|                   | S80 II (AS) - 1.6 D DRIVE                                                         | D 4164 T                                                                          | 2010.01~                                                                            | 1560                                                                                |
|                   | S80 II (AS) - 1.6 DRIVE                                                           | D 4162 T                                                                          | 2011.06~                                                                            | 1560                                                                                |
|                   | S80 II (AS) - D3 / D4                                                             | D 5204 T2, D 5204 T3                                                              | 2010.01~                                                                            | 1984                                                                                |
|                   | S80 II (AS) - D5                                                                  | D 5244 T4                                                                         | 2006.03~                                                                            | 2400                                                                                |
|                   | V40 Estate (VW) - 1.6                                                             | B 4164 S2                                                                         | 1999.03~2004.06                                                                     | 1587                                                                                |
|                   | V40 Estate (VW) - 1.8                                                             | B 4184 S, B 4184 S3                                                               | 1995.07~1999.08                                                                     | 1731                                                                                |
|                   | V40 Estate (VW) - 1.8 i                                                           | B 4184 SJ                                                                         | 2001.06~2004.06                                                                     | 1834                                                                                |
|                   | V40 Estate (VW) - 1.9 DI                                                          | D 4192 T2                                                                         | 1999.03~2000.07                                                                     | 1870                                                                                |
|                   | V40 Estate (VW) - 1.9 DI                                                          | D 4192 T4                                                                         | 2000.07~2004.06                                                                     | 1870                                                                                |
|                   | V40 Estate (VW) - 1.9 T4                                                          | B 4194 T                                                                          | 1997.05~2000.07                                                                     | 1855                                                                                |
|                   | V40 Estate (VW) - 1.9 TD                                                          | D 4192 T                                                                          | 1995.07~1999.08                                                                     | 1870                                                                                |
|                   | V40 Estate (VW) - 2.0                                                             | B 4204 S, B 4204 S2                                                               | 1995.07~2004.06                                                                     | 1948                                                                                |
|                   | V40 Hatchback - D3                                                                | D 5204 T6                                                                         | 2012.03~                                                                            | 1984                                                                                |
|                   | V40 Hatchback - D4                                                                | D 5204 T4                                                                         | 2012.03~                                                                            | 1984                                                                                |
|                   | V40 Hatchback - T5                                                                | B 5204 T9                                                                         | 2013.03~                                                                            | 1984                                                                                |
|                   | V50 (MW) - 1.6                                                                    | B 4164 S3                                                                         | 2005.01~                                                                            | 1596                                                                                |
|                   | V50 (MW) - 1.6 D                                                                  | D 4164 T                                                                          | 2005.01~                                                                            | 1560                                                                                |
| V50 (MW) - 1.6 D2 | D 4162 T                                                                          | 2010.01~                                                                          | 1560                                                                                |                                                                                     |
| V50 (MW) - 2.0 D  | D 4204 T                                                                          | 2004.04~                                                                          | 1998                                                                                |                                                                                     |
| V50 (MW) - 2.4    | B 5244 S5                                                                         | 2004.04~                                                                          | 2435                                                                                |                                                                                     |

|  |              |              |  |         |         |  |          |          |  |         |         |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3   | HAT 1                                                                               | ADT                                                                                 |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0440                                                                             | GTB0460 |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0440                                                                             | GTB0460 |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
| GT50550                                                                             | GT70320      |              | GT10050                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50540                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT70770                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
| GT60110                                                                             |              |              | GT50540                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         | GTB0330 |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         | GTB0410 |                                                                                     |                                                                                     |
|                                                                                     |              |              | GT30500                                                                             |         |         |                                                                                     |          |          |                                                                                     |         | GTB0200 |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         | GTB0540 |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         | GTB0340 |                                                                                     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         | GTB0330 |                                                                                     |                                                                                     |

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|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| VOLVO    | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
|          | V50 (MW) - 2.4 D5                                                                 | D 5244 T13, D 5244 T8                                                             | 2006.03~                                                                            | 2400                                                                                |
|          | V50 (MW) - 2.4 Tdi                                                                | D 5244 T9                                                                         | 2007.05~                                                                            | 2400                                                                                |
|          | V50 (MW) - D3                                                                     | D 5204 T5                                                                         | 2010.10~                                                                            | 1984                                                                                |
|          | V50 (MW) - D4                                                                     | D 5204 T                                                                          | 2010.10~                                                                            | 1984                                                                                |
|          | V60 - 1.6 DRIVe                                                                   | D 4162 T                                                                          | 2011.06~                                                                            | 1560                                                                                |
|          | V60 - D3                                                                          | D 5204 T7                                                                         | 2012.12~                                                                            | 1984                                                                                |
|          | V60 - D3 / D4                                                                     | D 5204 T2, D 5204 T3                                                              | 2010.09~                                                                            | 1984                                                                                |
|          | V60 - D5                                                                          | D 5244 T23                                                                        | 2014.04~                                                                            | 2400                                                                                |
|          | V70 I (LV) - 2.0                                                                  | B 5202 S                                                                          | 1997.01~2000.03                                                                     | 1984                                                                                |
|          | V70 I (LV) - 2.3 T-5                                                              | B 5234 T3                                                                         | 1997.01~2000.03                                                                     | 2319                                                                                |
|          | V70 I (LV) - 2.5 TDI                                                              | D 5252 T                                                                          | 1997.01~2000.05                                                                     | 2461                                                                                |
|          | V70 II (SW) - 2.0 T                                                               | B 5204 T5                                                                         | 2001.07~2007.08                                                                     | 1984                                                                                |
|          | V70 II (SW) - 2.3 T5                                                              | B 5234 T3                                                                         | 2000.03~2004.08                                                                     | 2319                                                                                |
|          | V70 II (SW) - 2.4 D                                                               | D 5244 T7                                                                         | 2005.05~2007.08                                                                     | 2400                                                                                |
|          | V70 II (SW) - 2.4 T5                                                              | B 5244 T5                                                                         | 2004.04~2007.08                                                                     | 2401                                                                                |
|          | V70 II (SW) - 2.5 T                                                               | B 5254 T2                                                                         | 2004.04~2007.08                                                                     | 2521                                                                                |
|          | V70 II (SW) - 2.5 TDI                                                             | D 5252 T                                                                          | 2000.03~2007.08                                                                     | 2461                                                                                |
|          | V70 III (BW) - 1.6 D                                                              | D 4164 T                                                                          | 2010.01~                                                                            | 1560                                                                                |
|          | V70 III (BW) - 1.6 DRIVe / D2                                                     | D 4162 T                                                                          | 2011.06~                                                                            | 1560                                                                                |
|          | V70 III (BW) - 2.0 D                                                              | D 4204 T                                                                          | 2007.10~                                                                            | 1997                                                                                |
|          | V70 III (BW) - 2.4 D                                                              | D 5244 T5                                                                         | 2007.08~                                                                            | 2400                                                                                |
|          | V70 III (BW) - D3                                                                 | D 5204 T7                                                                         | 2010.03~                                                                            | 1984                                                                                |
|          | V70 III (BW) - D5                                                                 | D 5244 T11, D 5244 T15                                                            | 2011.06~                                                                            | 2400                                                                                |
|          | XC60 - D3                                                                         | D 5204 T7                                                                         | 2012.04~                                                                            | 1984                                                                                |
|          | XC70 CROSS COUNTRY - 2.4 D5 XC AWD                                                | D 5244 T                                                                          | 2002.09~2007.08                                                                     | 2401                                                                                |
|          | XC70 CROSS COUNTRY - 2.4 T XC AWD                                                 | B 5254 T                                                                          | 1997.11~2002.09                                                                     | 2435                                                                                |
|          | XC70 CROSS COUNTRY - 2.5 T XC AWD                                                 | B 5254 T2                                                                         | 2002.09~2007.08                                                                     | 2521                                                                                |
|          | XC70 II - D3                                                                      | D 5204 T2, D 5204 T3                                                              | 2011.08~                                                                            | 1984                                                                                |
|          | XC90 I - 2.5 T                                                                    | B 5254 T2                                                                         | 2002.10~                                                                            | 2521                                                                                |
|          | XC90 I - D5                                                                       | D 5244 T18                                                                        | 2011.01~                                                                            | 2400                                                                                |
|          | XC90 I - T6                                                                       | B 6294 T                                                                          | 2002.10~                                                                            | 2922                                                                                |
| VW       | AMAROK (2H, S1B) - 2.0 TDI                                                        | CDBA, CNFA                                                                        | 2010.09~                                                                            | 1968                                                                                |
|          | BEETLE (5C1) - 1.6 TDI                                                            | CAYC                                                                              | 2011.10~                                                                            | 1598                                                                                |
|          | BEETLE (5C1) - 2.0 TDI                                                            | CFFB, CJAA                                                                        | 2011.04~                                                                            | 1968                                                                                |
|          | BEETLE (5C1, 5C2) - 1.2 TSI 16V                                                   | CYVD                                                                              | 2014.12~                                                                            | 1197                                                                                |

|  |              |              |  |         |         |  |          |          |  |         |       |  |  | ADT |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|--|-----|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0440                                                                             | GTB0460 |       |                                                                                     |  |     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0440                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT30500                                                                             |         |         | GTA0020                                                                             |          |          | GTB0200                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0540                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0340                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT50600                                                                             |         |         |                                                                                     |          |          | GTB0330                                                                             |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT60640                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT50920 |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT50920 |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              | GT30620                                                                             | GT60350 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |  |     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |  |     |



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|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| VEHICLE MODEL | ENGINE TYPE                                                                       | YEAR FROM ~ TO                                                                    | DISPLACEMENT CC                                                                     |                                                                                     |
| VW            | BEETLE (5C1, 5C2) - 1.4 TSI                                                       | CZDA                                                                              | 2014.12~                                                                            | 1395                                                                                |
|               | BEETLE Convertible (5C7) - 1.6 TDI                                                | CAYC                                                                              | 2012.12~                                                                            | 1598                                                                                |
|               | BEETLE Convertible (5C7) - 2.0 TDI                                                | CFFB, CJAA                                                                        | 2012.12~                                                                            | 1968                                                                                |
|               | BORA (1J2) - 1.4 16V                                                              | AHW, AKQ, APE, AXP, BCA                                                           | 2000.03~2005.05                                                                     | 1390                                                                                |
|               | BORA (1J2) - 1.6                                                                  | AEH, AKL, APF                                                                     | 1998.10~2005.05                                                                     | 1595                                                                                |
|               | BORA (1J2) - 1.6 16V                                                              | ATN, AUS, AZD, BCB                                                                | 2000.05~2005.05                                                                     | 1598                                                                                |
|               | BORA (1J2) - 1.8                                                                  | AGN, BAF                                                                          | 1998.10~2005.05                                                                     | 1781                                                                                |
|               | BORA (1J2) - 1.8 T                                                                | AGU, ARX, AUM, BAE                                                                | 2000.05~2005.05                                                                     | 1781                                                                                |
|               | BORA (1J2) - 1.9 SDI                                                              | AGP, AQM                                                                          | 1998.10~2005.05                                                                     | 1896                                                                                |
|               | BORA (1J2) - 1.9 TDI                                                              | AJM, AUY                                                                          | 1998.12~2002.01                                                                     | 1896                                                                                |
|               | BORA (1J2) - 1.9 TDI                                                              | ATD, AXR                                                                          | 2000.09~2005.05                                                                     | 1896                                                                                |
|               | BORA (1J2) - 2.0                                                                  | APK, AQY, AZG, AZH, AZJ, BBW                                                      | 1998.10~2005.05                                                                     | 1984                                                                                |
|               | BORA (1J2) - 2.3 V5                                                               | AQN                                                                               | 2000.10~2005.05                                                                     | 2324                                                                                |
|               | BORA (1J2) - 2.8 V6 4motion                                                       | AQP, AUE, BDE                                                                     | 1999.03~2005.05                                                                     | 2792                                                                                |
|               | BORA Estate (1J6) - 1.6 16V                                                       | ATN, AUS, AZD, BCB                                                                | 2000.02~2005.05                                                                     | 1598                                                                                |
|               | BORA Estate (1J6) - 1.9 TDI                                                       | AJM, AUY                                                                          | 1999.05~2001.06                                                                     | 1896                                                                                |
|               | BORA Estate (1J6) - 2.8 V6 4motion                                                | AQP, AUE, BDE                                                                     | 1999.05~2005.05                                                                     | 2792                                                                                |
|               | CADDY I (14) - 1.5                                                                | JB                                                                                | 1982.08~1983.07                                                                     | 1457                                                                                |
|               | CADDY I (14) - 1.6                                                                | EW                                                                                | 1983.01~1992.07                                                                     | 1595                                                                                |
|               | CADDY I (14) - 1.6 D                                                              | JK, ME                                                                            | 1982.08~1992.07                                                                     | 1588                                                                                |
|               | CADDY I (14) - 1.8                                                                | JH                                                                                | 1985.08~1992.07                                                                     | 1781                                                                                |
|               | CADDY II Box (9K9A) - 1.7 SDI                                                     | AHB                                                                               | 1996.07~2000.09                                                                     | 1716                                                                                |
|               | CADDY II Box (9K9A) - 1.9 D                                                       | 1Y                                                                                | 1995.11~2004.01                                                                     | 1896                                                                                |
|               | CADDY II Box (9K9A) - 1.9 SDI                                                     | AEY                                                                               | 1995.11~2004.01                                                                     | 1896                                                                                |
|               | CADDY II Box (9K9A) - 1.9 TDI                                                     | 1Z, AHU, ALH                                                                      | 1996.09~2004.01                                                                     | 1896                                                                                |
|               | CADDY II Estate (9K9B) - 1.4                                                      | AEX, AKV, APQ, AUD                                                                | 1995.11~2004.01                                                                     | 1390                                                                                |
|               | CADDY II Estate (9K9B) - 1.4 16V                                                  | AUA                                                                               | 2000.08~2004.01                                                                     | 1390                                                                                |
|               | CADDY II Estate (9K9B) - 1.6                                                      | AEE                                                                               | 1997.06~2000.09                                                                     | 1598                                                                                |
|               | CADDY II Estate (9K9B) - 1.7 SDI                                                  | AHB                                                                               | 1996.07~2000.09                                                                     | 1716                                                                                |
|               | CADDY II Estate (9K9B) - 1.9 D                                                    | 1Y                                                                                | 1995.11~2004.01                                                                     | 1896                                                                                |
|               | CADDY II Estate (9K9B) - 1.9 SDI                                                  | AEY                                                                               | 1995.11~2004.01                                                                     | 1896                                                                                |
|               | CADDY II Estate (9K9B) - 1.9 SDI                                                  | AEY, AYQ                                                                          | 1995.11~2004.01                                                                     | 1896                                                                                |
|               | CADDY II Estate (9K9B) - 1.9 TDI                                                  | AHU, ALE                                                                          | 1996.10~2004.01                                                                     | 1896                                                                                |
|               | CADDY II Pickup (9U7) - 1.9 D                                                     | AEF                                                                               | 1996.06~2000.12                                                                     | 1896                                                                                |
|               | CADDY III Box (2KA, 2KH, 2CA, 2CH) - 2.0 TDI 4motion                              | CFHE                                                                              | 2010.12~                                                                            | 1968                                                                                |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
| GTB0710                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT40930                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT40930 GT60350                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30550 GT70730                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0130 GTB0140 GTB0260                                                             |
| GTB0150                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT30550                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0130 GTB0140                                                                     |
| GT60650                                                                             | GT60510          |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60510                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60340 GT60420                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0300                                                                             |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GHAT-150                                                                            |
| GT40930                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTA0040                                                                             |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0150                                                                             |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTA0210                                                                             |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTA0210                                                                             |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0130                                                                             |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GHAT-150                                                                            |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTA0210                                                                             |
| GT80070                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80070                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80280                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80070                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60330                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0270                                                                             |
| GT60330                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60330                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0450                                                                             |
| GT30550                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0140                                                                             |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0450                                                                             |
| GT60330                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTB0270                                                                             |
| GT60330                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60340 GT60420                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60330 GT60420                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     | GTA0190                                                                             |
| GT50920                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

Application Guide by OE Manufacturers

| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| VW            | CADDY III Estate (2KB, 2KJ, 2CB, 2CJ) - 1.4                                       | BCA                                                                               | 2004.03~2006.05                                                                     | 1390                                                                                |
|               | CADDY III Estate (2KB, 2KJ, 2CB, 2CJ) - 1.6                                       | BRY                                                                               | 2005.03~                                                                            | 1595                                                                                |
|               | CADDY III Estate (2KB, 2KJ, 2CB, 2CJ) - 1.6 TDI                                   | CAYE                                                                              | 2010.08~                                                                            | 1598                                                                                |
|               | CADDY III Estate (2KB, 2KJ, 2CB, 2CJ) - 2.0 EcoFuel                               | BSX                                                                               | 2006.04~                                                                            | 1984                                                                                |
|               | CADDY III Estate (2KB, 2KJ, 2CB, 2CJ) - 2.0 TDI                                   | CLCA                                                                              | 2010.08~                                                                            | 1968                                                                                |
|               | CADDY IV Box (SAA, SAH) - 1.2 TSI                                                 | CYVC                                                                              | 2015.06~                                                                            | 1197                                                                                |
|               | CADDY IV Box (SAA, SAH) - 1.4 TGI CNG                                             | CPWA                                                                              | 2015.06~                                                                            | 1395                                                                                |
|               | CADDY IV Estate (SAB, SAJ) - 1.2 TSI                                              | CYVC                                                                              | 2015.06~                                                                            | 1197                                                                                |
|               | CADDY IV Estate (SAB, SAJ) - 1.4 TGI CNG                                          | CPWA                                                                              | 2015.06~                                                                            | 1395                                                                                |
|               | CC (358) - 1.4 TSI                                                                | CZDA                                                                              | 2015.05~                                                                            | 1395                                                                                |
|               | CC (358) - 2.0 TDI                                                                | CFFA                                                                              | 2011.11~                                                                            | 1968                                                                                |
|               | CC (358) - 2.0 TDI 4motion                                                        | CFGC                                                                              | 2012.12~                                                                            | 1996                                                                                |
|               | CRAFTER 30-35 Bus (2E) - 2.0 TDI                                                  | CKTB                                                                              | 2011.05~                                                                            | 1968                                                                                |
|               | CRAFTER 30-35 Bus (2E) - 2.5 TDI                                                  | BJJ, CEBA                                                                         | 2006.04~2011.07                                                                     | 2461                                                                                |
|               | CRAFTER 30-50 Platform/Chassis (2F) - 2.0 TDI                                     | CKTB                                                                              | 2011.05~                                                                            | 1968                                                                                |
|               | CRAFTER 30-50 Platform/Chassis (2F) - 2.5 TDI                                     | BJJ, CEBA                                                                         | 2006.04~2011.07                                                                     | 2461                                                                                |
|               | EOS (1F7, 1F8) - 1.4 TSI                                                          | CAXA                                                                              | 2007.11~                                                                            | 1390                                                                                |
|               | EOS (1F7, 1F8) - 1.6 FSI                                                          | BLF                                                                               | 2006.06~2008.05                                                                     | 1598                                                                                |
|               | EOS (1F7, 1F8) - 2.0 FSI                                                          | BVY, BVZ                                                                          | 2006.03~2008.05                                                                     | 1984                                                                                |
|               | EOS (1F7, 1F8) - 2.0 TDI                                                          | BMM                                                                               | 2006.06~2008.05                                                                     | 1968                                                                                |
|               | EOS (1F7, 1F8) - 2.0 TDI                                                          | CFFA                                                                              | 2010.11~                                                                            | 1968                                                                                |
|               | EOS (1F7, 1F8) - 2.0 TDI 16V                                                      | CBAB, CFFB                                                                        | 2008.05~                                                                            | 1968                                                                                |
|               | FOX (5Z1, 5Z3) - 1.4 TDI                                                          | BNM                                                                               | 2005.04~                                                                            | 1422                                                                                |
|               | GOLF I (17) - 1.5                                                                 | JB                                                                                | 1977.08~1983.07                                                                     | 1457                                                                                |
|               | GOLF I (17) - 1.5 D                                                               | CK                                                                                | 1976.08~1980.07                                                                     | 1471                                                                                |
|               | GOLF I (17) - 1.6                                                                 | FP                                                                                | 1975.08~1984.02                                                                     | 1588                                                                                |
|               | GOLF I (17) - 1.8 GTI                                                             | DX                                                                                | 1982.08~1983.12                                                                     | 1781                                                                                |
|               | GOLF II (19E, 1G1) - 1.6                                                          | PN                                                                                | 1986.10~1992.12                                                                     | 1595                                                                                |
|               | GOLF II (19E, 1G1) - 1.6 D                                                        | JP                                                                                | 1983.08~1991.10                                                                     | 1588                                                                                |
|               | GOLF II (19E, 1G1) - 1.8                                                          | RH                                                                                | 1986.08~1990.01                                                                     | 1781                                                                                |
|               | GOLF III (1H1) - 1.4                                                              | ABD, AEX                                                                          | 1991.11~1997.08                                                                     | 1390                                                                                |
|               | GOLF III (1H1) - 1.6                                                              | ABU, AEA, AEE                                                                     | 1992.09~1997.08                                                                     | 1598                                                                                |
|               | GOLF III (1H1) - 1.6                                                              | AEK, AFT, AKS                                                                     | 1995.07~1997.08                                                                     | 1595                                                                                |
|               | GOLF III (1H1) - 1.8                                                              | AAM                                                                               | 1991.11~1997.08                                                                     | 1781                                                                                |
|               | GOLF III (1H1) - 1.9 SDI                                                          | AEY                                                                               | 1995.07~1997.08                                                                     | 1896                                                                                |
|               | GOLF III (1H1) - 1.9 TDI                                                          | 1Z, AHU, ALE                                                                      | 1993.09~1997.08                                                                     | 1896                                                                                |
|               | GOLF III (1H1) - 1.9 TDI                                                          | AFN                                                                               | 1996.04~1997.08                                                                     | 1896                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |         |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|---------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3   | HAT 1                                                                               | ADT |                                                                                     |
| GT30550                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0140                                                                             |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |         |                                                                                     |     |                                                                                     |
| GT30620                                                                             |              |              | GT40930                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |         |                                                                                     |     |                                                                                     |
| GT30620                                                                             |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |         |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT30620                                                                             |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT60420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0460                                                                             |       |         |                                                                                     |     |                                                                                     |
| GT50920                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT60420                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0330                                                                             |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT50630                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0210                                                                             |       |         |                                                                                     |     |                                                                                     |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT30620                                                                             |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT60350                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT40930                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |
| GT60330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       | GTB0630 |                                                                                     |     |                                                                                     |
| GT60330                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |         |                                                                                     |     |                                                                                     |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0630                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30550                                                                             |         |         |                                                                                     |          |          | GTB0130 GTB0140 GTB0260                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30550 GT70730                                                                     |         |         |                                                                                     |          |          | GTB0130 GTB0140                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT60650                                                                             |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60340 GT60420                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-150                                                                            |     |                                                                                     |  |
|                                                                                     |              |              | GT40930 GT60350                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-150                                                                            |     |                                                                                     |  |

Application Guide by OE Manufacturers

| OE MAKER |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| VW       | GOLF IV Variant (1J5) - 1.9 TDI 4motion                                           | ASZ                                                                               | 2000.11~2006.06                                                                     | 1896                                                                                |
|          | GOLF PLUS (5M1, 521) - 1.6 TDI                                                    | CAYB                                                                              | 2009.02~                                                                            | 1598                                                                                |
|          | GOLF PLUS (5M1, 521) - 1.9 TDI                                                    | BKC, BLS, BXE                                                                     | 2005.01~2009.01                                                                     | 1896                                                                                |
|          | GOLF PLUS (5M1, 521) - 2.0 FSI                                                    | BLR, BLY, BVY, BVZ                                                                | 2005.05~2006.08                                                                     | 1984                                                                                |
|          | GOLF PLUS (5M1, 521) - 2.0 TDI                                                    | CBDC, CLCA                                                                        | 2009.01~                                                                            | 1968                                                                                |
|          | GOLF SPORTSVAN (AM1) - 1.2 TSI                                                    | CYVA                                                                              | 2014.05~                                                                            | 1197                                                                                |
|          | GOLF SPORTSVAN (AM1) - 1.4 TSI                                                    | CPVB, CZCA                                                                        | 2014.04~                                                                            | 1395                                                                                |
|          | GOLF SPORTSVAN (AM1) - 1.6                                                        | CWVA                                                                              | 2014.05~                                                                            | 1598                                                                                |
|          | GOLF SPORTSVAN (AM1) - 1.6 TDI                                                    | CRKA                                                                              | 2014.02~                                                                            | 1598                                                                                |
|          | GOLF SPORTSVAN (AM1) - 2.0 TDI                                                    | CRVA                                                                              | 2014.05~                                                                            | 1968                                                                                |
|          | GOLF V (1K1) - 1.4 16V                                                            | BCA                                                                               | 2003.10~2006.05                                                                     | 1390                                                                                |
|          | GOLF V (1K1) - 1.6                                                                | BGU, BSE, BSF                                                                     | 2004.01~2008.11                                                                     | 1595                                                                                |
|          | GOLF V (1K1) - 1.9 TDI                                                            | BRU, BXF, BXJ                                                                     | 2004.05~2008.11                                                                     | 1896                                                                                |
|          | GOLF V (1K1) - 2.0 FSI                                                            | AXW, BLR, BLX, BLY, BVX, BVY, BVZ                                                 | 2004.01~2008.11                                                                     | 1984                                                                                |
|          | GOLF V (1K1) - 2.0 GTI                                                            | BYD                                                                               | 2006.09~2008.12                                                                     | 1984                                                                                |
|          | GOLF V (1K1) - 2.0 SDI                                                            | BDK                                                                               | 2004.01~2008.11                                                                     | 1968                                                                                |
|          | GOLF VI (5K1) - 1.6 TDI                                                           | CAYB                                                                              | 2009.02~2012.11                                                                     | 1598                                                                                |
|          | GOLF VI (5K1) - 2.0 Gti                                                           | CDLG                                                                              | 2011.05~2012.11                                                                     | 1984                                                                                |
|          | GOLF VI (5K1) - 2.0 R 4motion                                                     | CDLC, CRZA                                                                        | 2009.11~2013.11                                                                     | 1984                                                                                |
|          | GOLF VI (5K1) - 2.0 TDI                                                           | CBBB, CFGB                                                                        | 2009.04~2012.11                                                                     | 1968                                                                                |
|          | GOLF VI (5K1) - 2.0 TDI                                                           | CBDC, CLCA                                                                        | 2008.10~2012.11                                                                     | 1968                                                                                |
|          | GOLF VI Convertible (517) - 1.2 TSI 16V                                           | CYVD                                                                              | 2013.11~                                                                            | 1197                                                                                |
|          | GOLF VI Convertible (517) - 1.4 TSI                                               | CXSB, CZCA                                                                        | 2013.11~                                                                            | 1395                                                                                |
|          | GOLF VI Convertible (517) - 2.0 R                                                 | CDLA                                                                              | 2013.01~                                                                            | 1984                                                                                |
|          | GOLF VII (5G1, BE1) - 1.2 TSI                                                     | CJZB, CYVA                                                                        | 2012.08~                                                                            | 1197                                                                                |
|          | GOLF VII (5G1, BE1) - 1.4 GTE Hybrid                                              | CUKB                                                                              | 2014.05~                                                                            | 1395                                                                                |
|          | GOLF VII (5G1, BE1) - 1.4 TGI CNG                                                 | CPWA                                                                              | 2013.06~                                                                            | 1395                                                                                |
|          | GOLF VII (5G1, BE1) - 1.6 TDI                                                     | CLHB, CRKA                                                                        | 2013.04~                                                                            | 1598                                                                                |
|          | GOLF VII (5G1, BE1) - 2.0 TDI                                                     | CRVA                                                                              | 2012.11~                                                                            | 1968                                                                                |
|          | ILTIS (183) - 1.7                                                                 | WL, YX                                                                            | 1979.03~1988.12                                                                     | 1714                                                                                |
|          | JETTA II (19E, 1G2, 165) - 1.6                                                    | PN                                                                                | 1986.10~1991.10                                                                     | 1595                                                                                |
|          | JETTA III (1K2) - 1.6                                                             | BSE, BSF, CCSA                                                                    | 2005.10~2010.10                                                                     | 1595                                                                                |
|          | JETTA III (1K2) - 1.6 TDI                                                         | CAYB                                                                              | 2009.12~2010.10                                                                     | 1598                                                                                |
|          | JETTA III (1K2) - 1.9 TDI                                                         | BKC, BLS, BXE                                                                     | 2005.08~2010.10                                                                     | 1896                                                                                |
|          | JETTA III (1K2) - 2.0 FSI                                                         | BLR, BLY, BVY, BVZ                                                                | 2005.08~2010.10                                                                     | 1984                                                                                |
|          | JETTA IV (162, 163) - 1.4 TSI                                                     | CZCA                                                                              | 2014.08~                                                                            | 1395                                                                                |

|  |              |              |  |         |         |  |          |          |  |         |         |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3   | HAT 1                                                                               | ADT |                                                                                     |
| GTA0040                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT50920 |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0210                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70730                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30570                                                                             | GT50630 |         |                                                                                     |          |          |                                                                                     | GTB0210 | GTB0610 |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0600                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT50920 |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0600                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT50920 |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0600                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT50920 |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0210                                                                             |         |         |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |         |                                                                                     |     |                                                                                     |

[illegible]



|  |              |              |  |         |         |  |          |          |  |       |       |  |         |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT30550                                                                             |         |         |                                                                                     |          |          | GTB0130                                                                             |       |       | GTB0140                                                                             | GTB0260 |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-150                                                                            |         |                                                                                     |
|                                                                                     |              |              | GT30550                                                                             |         |         |                                                                                     |          |          | GTB0140                                                                             |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT30550                                                                             |         |         |                                                                                     |          |          | GTB0140                                                                             |       |       |                                                                                     |         |                                                                                     |
| GT60650                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60340                                                                             |         |         | GT60420                                                                             |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         | GT60350                                                                             |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0210                                                                             |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
| GT80280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0630                                                                             |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
| GT60150                                                                             |              |              |                                                                                     |         |         | GTA0350                                                                             |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
| GT60150                                                                             |              |              | GT60660                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
| GT60150                                                                             |              |              | GT60660                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
| GT60440                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |         |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       | GHAT-150                                                                            |         |                                                                                     |

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| OE MAKER | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
| VW       | PASSAT (3B2) - 1.9 TDI                                                            | AVB                                                                               | 2000.02~2000.11                                                                     | 1896                                                                                |
|          | PASSAT (3B2) - 1.9 TDI 4motion                                                    | ATJ                                                                               | 1999.08~2000.11                                                                     | 1896                                                                                |
|          | PASSAT (3B2) - 1.9 TDI Syncro/4motion                                             | AFN, AVG                                                                          | 1996.10~2000.11                                                                     | 1896                                                                                |
|          | PASSAT (3B2) - 2.0                                                                | ASU, AUZ                                                                          | 2000.04~2000.11                                                                     | 1984                                                                                |
|          | PASSAT (3B2) - 2.5 TDI                                                            | AFB, AKN                                                                          | 1998.07~2000.11                                                                     | 2496                                                                                |
|          | PASSAT (3B2) - 2.5 TDI Syncro/4motion                                             | AFB, AKN                                                                          | 1998.12~2000.11                                                                     | 2496                                                                                |
|          | PASSAT (3B2) - 2.8 Syncro                                                         | AGE                                                                               | 1997.05~1999.09                                                                     | 2771                                                                                |
|          | PASSAT (3B3) - 1.6                                                                | ALZ                                                                               | 2000.11~2005.05                                                                     | 1595                                                                                |
|          | PASSAT (3B3) - 1.8 T 20V                                                          | AWL, AWT                                                                          | 2000.11~2005.05                                                                     | 1781                                                                                |
|          | PASSAT (3B3) - 1.9 TDI                                                            | AVB                                                                               | 2000.11~2005.05                                                                     | 1896                                                                                |
|          | PASSAT (3B3) - 2.0                                                                | AZM, BFF                                                                          | 2000.11~2005.05                                                                     | 1984                                                                                |
|          | PASSAT (3B3) - 2.0 4motion                                                        | AZM                                                                               | 2000.11~2005.05                                                                     | 1984                                                                                |
|          | PASSAT (3B3) - 2.0 TDI                                                            | BGW                                                                               | 2003.12~2005.05                                                                     | 1968                                                                                |
|          | PASSAT (3C2) - 1.6 TDI                                                            | CAYC                                                                              | 2009.08~2010.07                                                                     | 1598                                                                                |
|          | PASSAT (3C2) - 2.0 BlueTDI                                                        | CBAC                                                                              | 2009.01~2010.11                                                                     | 1968                                                                                |
|          | PASSAT (3C2) - 2.0 FSI                                                            | BLR, BLY, BVY, BVZ                                                                | 2005.03~2010.07                                                                     | 1984                                                                                |
|          | PASSAT (3G2) - 1.4 GTE Hybrid                                                     | CUKC                                                                              | 2015.06~                                                                            | 1395                                                                                |
|          | PASSAT (3G2) - 1.4 TSI                                                            | CZCA                                                                              | 2014.11~                                                                            | 1395                                                                                |
|          | PASSAT (3G2) - 2.0 TDI                                                            | CRLB                                                                              | 2014.11~                                                                            | 1968                                                                                |
|          | PASSAT (3G2) - 2.0 TDI 4motion                                                    | CUAA                                                                              | 2014.08~                                                                            | 1968                                                                                |
|          | PASSAT CC (357) - 2.0 TDI                                                         | CBAA, CFFA                                                                        | 2008.06~2011.05                                                                     | 1968                                                                                |
|          | PASSAT Estate (3B5) - 2.5 TDI                                                     | AFB, AKN                                                                          | 1998.07~2000.11                                                                     | 2496                                                                                |
|          | PASSAT Saloon (32B) - 2.0                                                         | JS                                                                                | 1984.08~1985.07                                                                     | 1994                                                                                |
|          | PASSAT Saloon (32B) - 2.2                                                         | KX                                                                                | 1985.01~1988.03                                                                     | 2226                                                                                |
|          | PASSAT Variant (32B) - 2.0                                                        | JS                                                                                | 1983.08~1988.03                                                                     | 1994                                                                                |
|          | PASSAT Variant (32B) - 2.0 Syncro                                                 | JS                                                                                | 1984.05~1988.03                                                                     | 1994                                                                                |
|          | PASSAT Variant (32B) - 2.2                                                        | KV                                                                                | 1985.01~1988.03                                                                     | 2226                                                                                |
|          | PASSAT Variant (32B) - 2.2                                                        | KX                                                                                | 1985.08~1988.03                                                                     | 2226                                                                                |
|          | PASSAT Variant (32B) - 2.2 Syncro                                                 | JT                                                                                | 1985.08~1988.03                                                                     | 2226                                                                                |
|          | PASSAT Variant (33) - 1.3                                                         | ZA                                                                                | 1973.05~1978.01                                                                     | 1297                                                                                |
|          | PASSAT Variant (3A5, 35I) - 1.9 TDI                                               | AFN                                                                               | 1996.03~1997.05                                                                     | 1896                                                                                |
|          | PASSAT Variant (3A5, 35I) - 1.9 TDI                                               | AHU                                                                               | 1993.10~1997.05                                                                     | 1896                                                                                |
|          | PASSAT Variant (3A5, 35I) - 1.9 TDI (289 575)                                     | 1Z                                                                                | 1993.10~1997.05                                                                     | 1896                                                                                |
|          | PASSAT Variant (3A5, 35I) - 1.9 TDI (289 576)                                     | 1Z                                                                                | 1993.10~1997.05                                                                     | 1896                                                                                |
|          | PASSAT Variant (3B5) - 1.8                                                        | ADR, APT, ARG                                                                     | 1997.06~2000.11                                                                     | 1781                                                                                |
|          | PASSAT Variant (3B5) - 1.8 Syncro/4motion                                         | ADR, APT, ARG                                                                     | 1997.06~2000.11                                                                     | 1781                                                                                |
|          | PASSAT Variant (3B5) - 1.8 T                                                      | AEB, ANB, APU                                                                     | 1997.06~2000.11                                                                     | 1781                                                                                |

|  |                  |                  |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-<br>SIONER 1                                                                    | TEN-<br>SIONER 2 | TEN-<br>SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |                  |                  | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         | GTA0150                                                                             |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |                  |                  | GT90850                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |                  |                  |                                                                                     |         |         | GTA0350                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60150                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30620                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0210                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT30620                                                                             |         | GT50920 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  |                                                                                     |         |         |                                                                                     |          |          | GTB0700                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80070                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |                  |                  | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60660                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60660                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT60440                                                                             |                  |                  |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |

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|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| VW       | Vehicle Model                                                                     | Engine Type                                                                       | Year From ~ To                                                                      | Displacement CC                                                                     |
|          | PASSAT Variant (3B5) - 1.9 TDI                                                    | AFN, AVG                                                                          | 1997.06~2000.11                                                                     | 1896                                                                                |
|          | PASSAT Variant (3B5) - 1.9 TDI                                                    | AHH                                                                               | 1997.06~2000.11                                                                     | 1896                                                                                |
|          | PASSAT Variant (3B5) - 1.9 TDI                                                    | AHU                                                                               | 1997.06~2000.11                                                                     | 1896                                                                                |
|          | PASSAT Variant (3B5) - 1.9 TDI Syncro/4motion                                     | AFN, AVG                                                                          | 1997.06~2000.11                                                                     | 1896                                                                                |
|          | PASSAT Variant (3B5) - 2.8 V6                                                     | ACK, AHA, APR                                                                     | 1997.06~2000.11                                                                     | 2771                                                                                |
|          | PASSAT Variant (3B6) - 2.5 TDI 4motion                                            | AFB, AKN                                                                          | 2000.11~2005.05                                                                     | 2496                                                                                |
|          | PASSAT Variant (3B6) - 2.8 4motion                                                | AMX, ATQ                                                                          | 2000.11~2005.05                                                                     | 2771                                                                                |
|          | PASSAT Variant (3G5) - 1.4 GTE Hybrid                                             | CUKC                                                                              | 2015.06~                                                                            | 1395                                                                                |
|          | PASSAT Variant (3G5) - 2.0 TDI 4motion                                            | CUAA                                                                              | 2014.08~                                                                            | 1968                                                                                |
|          | PHAETON (3D) - 3.0 V6 TDI 4motion                                                 | BMK                                                                               | 2004.09~                                                                            | 2967                                                                                |
|          | PHAETON (3D) - 4.2 V8 4motion                                                     | BGH, BGJ                                                                          | 2003.05~                                                                            | 4172                                                                                |
|          | POLO (6N1) - 1.7 SDI                                                              | AHG                                                                               | 1997.04~1999.10                                                                     | 1716                                                                                |
|          | POLO (6N1) - 100 1.4 16V                                                          | AFH                                                                               | 1996.04~1999.10                                                                     | 1390                                                                                |
|          | POLO (6N1) - 120 1.6 16V GTI                                                      | AJV                                                                               | 1998.09~1999.10                                                                     | 1598                                                                                |
|          | POLO (6N1) - 45 1.0                                                               | AEV                                                                               | 1994.10~1996.09                                                                     | 1043                                                                                |
|          | POLO (6N1) - 50 1.0                                                               | AER, ALL                                                                          | 1996.09~1999.10                                                                     | 999                                                                                 |
|          | POLO (6N1) - 55 1.3                                                               | ADX                                                                               | 1994.10~1995.07                                                                     | 1296                                                                                |
|          | POLO (6N1) - 55 1.4                                                               | AEX                                                                               | 1995.08~1999.10                                                                     | 1390                                                                                |
|          | POLO (6N1) - 60 1.7 SDI                                                           | AKU                                                                               | 1997.08~1999.10                                                                     | 1716                                                                                |
|          | POLO (6N1) - 64 1.9 SDI                                                           | AGD                                                                               | 1996.07~1999.10                                                                     | 1896                                                                                |
|          | POLO (6N1) - 75 1.6                                                               | AEA, AEE                                                                          | 1994.10~1999.10                                                                     | 1598                                                                                |
|          | POLO (6N2) - 1.4 16V                                                              | AHW, APE, AUA                                                                     | 1999.10~2001.09                                                                     | 1390                                                                                |
|          | POLO (6N2) - 1.4 TDI                                                              | AMF                                                                               | 1999.10~2001.09                                                                     | 1422                                                                                |
|          | POLO (6N2) - 1.6 16V GTI                                                          | ARC, AVY                                                                          | 1999.10~2001.09                                                                     | 1598                                                                                |
|          | POLO (6N2) - 1.7 SDI                                                              | AKU                                                                               | 1999.10~2001.09                                                                     | 1716                                                                                |
|          | POLO (6N2) - 1.9 D                                                                | AEF                                                                               | 1999.10~2001.09                                                                     | 1896                                                                                |
|          | POLO (6N2) - 1.9 SDI                                                              | AGD, ASX                                                                          | 1999.10~2001.09                                                                     | 1896                                                                                |
|          | POLO (6R, 6C) - 1.0                                                               | CHYA                                                                              | 2014.01~                                                                            | 999                                                                                 |
|          | POLO (6R, 6C) - 1.0 TSI                                                           | CHZB                                                                              | 2014.11~                                                                            | 999                                                                                 |
|          | POLO (6R, 6C) - 1.2 TDI                                                           | CFWA                                                                              | 2009.10~                                                                            | 1199                                                                                |
|          | POLO (6R, 6C) - 1.2 TSI                                                           | CJZD                                                                              | 2014.01~                                                                            | 1197                                                                                |
|          | POLO (6R, 6C) - 1.4 BiFuel                                                        | CMAA                                                                              | 2010.03~2011.01                                                                     | 1390                                                                                |
|          | POLO (6R, 6C) - 1.4 TSI                                                           | CPTA                                                                              | 2012.10~                                                                            | 1395                                                                                |
|          | POLO (6R, 6C) - 1.6                                                               | CWVB                                                                              | 2014.07~                                                                            | 1598                                                                                |
|          | POLO (6R, 6C) - 1.6 TDI                                                           | CAYA                                                                              | 2009.06~                                                                            | 1598                                                                                |
|          | POLO (6R, 6C) - 2.0 R WRC                                                         | CDLJ                                                                              | 2013.08~                                                                            | 1984                                                                                |
|          | POLO (9N) - 1.4 TDI                                                               | BNM, BWB                                                                          | 2005.04~2009.11                                                                     | 1422                                                                                |

|  |              |              |  |         |         |  |          |          |  |         |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2   | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0700                                                                             |         |       |                                                                                     |     |                                                                                     |
| GT90750                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0150                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
| GT60400                                                                             |              |              | GT60410                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70400                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30550                                                                             |         |         |                                                                                     |          |          | GTB0140                                                                             | GTB0260 |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0500                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0450                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0130                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       | GHAT-150                                                                            |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0130                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         | GTA0190                                                                             |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT50920 |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT70730                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0600                                                                             |         |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |         |       |                                                                                     |     |                                                                                     |

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|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| VW            | POLO (9N) - 1.9 TDI                                                               | ATD, AXR, BMT                                                                     | 2001.10~2009.11                                                                     | 1896                                                                                |
|               | POLO Box (6NF) - 1.7 SDI                                                          | AKU                                                                               | 1997.08~1999.12                                                                     | 1716                                                                                |
|               | POLO Box (6NF) - 1.9 SDI                                                          | AGD                                                                               | 1996.07~1999.12                                                                     | 1896                                                                                |
|               | POLO CLASSIC (6KV2) - 1.9 SDI                                                     | AEY                                                                               | 1996.06~2001.09                                                                     | 1896                                                                                |
|               | POLO CLASSIC (6KV2) - 110 1.9 TDI                                                 | AFN                                                                               | 1998.06~2002.01                                                                     | 1896                                                                                |
|               | POLO CLASSIC (6KV2) - 110 1.9 TDI                                                 | AFN, ASV                                                                          | 1998.06~2002.01                                                                     | 1896                                                                                |
|               | POLO CLASSIC (6KV2) - 57 1.7 SDI                                                  | AKW                                                                               | 1997.07~2001.09                                                                     | 1716                                                                                |
|               | POLO CLASSIC (6KV2) - 64 1.9 SDI                                                  | AEY                                                                               | 1995.12~1999.08                                                                     | 1896                                                                                |
|               | POLO CLASSIC (6KV2) - 68 1.9 SDI                                                  | AGP, AQM                                                                          | 1999.08~2002.01                                                                     | 1896                                                                                |
|               | POLO CLASSIC (6KV2) - 75 1.4 16V                                                  | APE, AUA                                                                          | 1999.10~2001.09                                                                     | 1390                                                                                |
|               | POLO CLASSIC (6KV2) - 75 1.6                                                      | 1F                                                                                | 1995.11~1997.09                                                                     | 1595                                                                                |
|               | POLO CLASSIC (6KV2) - 90 1.9 TDI                                                  | AGR, AHU, ALE, ALH                                                                | 1996.09~2001.09                                                                     | 1896                                                                                |
|               | POLO CLASSIC (6KV2) - 90 1.9 TDI                                                  | AHU, ALE                                                                          | 1996.09~2001.09                                                                     | 1896                                                                                |
|               | POLO Variant (6KV5) - 1.7 SDI                                                     | AKW                                                                               | 1997.08~2001.09                                                                     | 1716                                                                                |
|               | POLO Variant (6KV5) - 1.9 SDI                                                     | AEY                                                                               | 1997.06~2001.09                                                                     | 1896                                                                                |
|               | POLO Variant (6KV5) - 1.9 TDI                                                     | AFN                                                                               | 1998.06~2001.09                                                                     | 1896                                                                                |
|               | POLO Variant (6KV5) - 1.9 TDI                                                     | AFN, ASV                                                                          | 1998.06~2001.09                                                                     | 1896                                                                                |
|               | POLO Variant (6KV5) - 1.9 TDI                                                     | AHU, ALE                                                                          | 1997.05~2001.09                                                                     | 1896                                                                                |
|               | SANTANA (32B) - 1.6                                                               | WV                                                                                | 1981.08~1984.12                                                                     | 1588                                                                                |
|               | SANTANA (32B) - 1.8                                                               | DS                                                                                | 1983.01~1984.12                                                                     | 1781                                                                                |
|               | SANTANA (32B) - 2.0                                                               | JS                                                                                | 1983.08~1984.12                                                                     | 1994                                                                                |
|               | SCIROCCO (137, 138) - 1.4 TSI                                                     | CXSB, CZCA                                                                        | 2013.11~                                                                            | 1395                                                                                |
|               | SCIROCCO (137, 138) - 2.0 R                                                       | CDLA                                                                              | 2009.11~                                                                            | 1984                                                                                |
|               | SCIROCCO (137, 138) - 2.0 R                                                       | CDLC                                                                              | 2009.11~                                                                            | 1984                                                                                |
|               | SCIROCCO (137, 138) - 2.0 TDI                                                     | CBDB, CFHC                                                                        | 2008.08~                                                                            | 1968                                                                                |
|               | SCIROCCO (137, 138) - 2.0 TDI                                                     | CFHB                                                                              | 2010.11~                                                                            | 1968                                                                                |
|               | SHARAN (7M8, 7M9, 7M6) - 1.8 T 20V                                                | AJH, AWC                                                                          | 1997.09~2010.03                                                                     | 1781                                                                                |
|               | SHARAN (7M8, 7M9, 7M6) - 1.9 TDI                                                  | 1Z, AHU                                                                           | 1995.09~2010.03                                                                     | 1896                                                                                |
|               | SHARAN (7M8, 7M9, 7M6) - 2.0 TDI                                                  | BVH                                                                               | 2005.11~2010.03                                                                     | 1968                                                                                |
|               | SHARAN (7N) - 2.0 TDI                                                             | CFFE                                                                              | 2011.05~                                                                            | 1968                                                                                |
|               | SHARAN (7N1, 7N2) - 1.4 TSI                                                       | CZDA                                                                              | 2015.05~                                                                            | 1395                                                                                |
|               | TARO - 2.4 D                                                                      | 2L                                                                                | 1994.07~1997.03                                                                     | 2446                                                                                |
|               | TIGUAN (5N) - 1.4 TSI                                                             | CZDB                                                                              | 2015.05~                                                                            | 1395                                                                                |
|               | TIGUAN (5N) - 2.0 TDI                                                             | CFFD                                                                              | 2010.05~                                                                            | 1968                                                                                |
|               | TIGUAN (5N) - 2.0 TDI 4motion                                                     | CBAA, CFFA, CBAB, CFFB, CLJA                                                      | 2007.11~                                                                            | 1968                                                                                |
|               | TOUAREG (7LA, 7L6, 7L7) - 3.0 V6 TDI                                              | BKS, CATA                                                                         | 2004.11~2010.05                                                                     | 2967                                                                                |



2017 TENSIONER & IDLER BEARING

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         | GTA0190                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          | GTB0300                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30550                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60420                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60340                                                                             |         |         |                                                                                     |          |          | GTB0300                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
| GT80070                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT50630                                                                             |         |         |                                                                                     |          |          | GTB0600                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             | GT60350 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT50920 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60510                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60330                                                                             | GT40930 |         |                                                                                     |          |          | GTB0270                                                                             |       |       | GHAT-150                                                                            |     |                                                                                     |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT50920 |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
| GT80470                                                                             |              |              | GT80720                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT30620                                                                             | GT40930 | GT50920 |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              | GT60350                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTA0150                                                                             |       |       |                                                                                     |     |                                                                                     |

Application Guide by OE Manufacturers

| OE MAKER      |  |  |  |  |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Vehicle Model | Engine Type                                                                       | Year From ~ To                                                                    | Displacement CC                                                                     |                                                                                     |
| VW            | TOUAREG (7LA, 7L6, 7L7) - 4.2 V8                                                  | AXQ                                                                               | 2002.12~2006.11                                                                     | 4172                                                                                |
|               | TOURAN (1T1, 1T2) - 1.6                                                           | BGU, BSE, BSF                                                                     | 2003.07~2010.05                                                                     | 1595                                                                                |
|               | TOURAN (1T1, 1T2) - 2.0 FSI                                                       | AXW, BLR, BLX, BLY, BVY, BVZ                                                      | 2003.10~2005.11                                                                     | 1984                                                                                |
|               | TOURAN (1T1, 1T2) - 2.0 TDI 16V                                                   | BKD                                                                               | 2003.08~2010.05                                                                     | 1968                                                                                |
|               | TOURAN (1T3) - 1.6 TDI                                                            | CAYB                                                                              | 2010.05~                                                                            | 1598                                                                                |
|               | TOURAN (5T1) - 1.2 TSI                                                            | CYVB                                                                              | 2015.05~                                                                            | 1197                                                                                |
|               | TOURAN (5T1) - 1.4 TSI                                                            | CZDA                                                                              | 2015.05~                                                                            | 1395                                                                                |
|               | TRANSPORTER IV Bus (70XB, 70XC, 7DB, 7DW) - 1.9 D                                 | 1X                                                                                | 1990.09~1995.12                                                                     | 1896                                                                                |
|               | TRANSPORTER IV Bus (70XB, 70XC, 7DB, 7DW) - 2.4 D                                 | AJA                                                                               | 1997.08~2003.04                                                                     | 2370                                                                                |
|               | TRANSPORTER IV Bus (70XB, 70XC, 7DB, 7DW) - 2.5                                   | AAF                                                                               | 1990.11~1993.12                                                                     | 2461                                                                                |
|               | TRANSPORTER IV Bus (70XB, 70XC, 7DB, 7DW) - 2.5 [019 149]                         | ACU                                                                               | 1994.01~2003.04                                                                     | 2461                                                                                |
|               | TRANSPORTER IV Bus (70XB, 70XC, 7DB, 7DW) - 2.5 TDI                               | AJT, AYY                                                                          | 1998.05~2003.04                                                                     | 2461                                                                                |
|               | TRANSPORTER IV Platform/Chassis (70XD) - 1.9 D                                    | 1X                                                                                | 1990.09~1995.12                                                                     | 1896                                                                                |
|               | TRANSPORTER V Bus (7HB, 7HJ, 7EB, 7EJ, 7EF) - 1.9 TDI                             | AXB                                                                               | 2003.04~2009.11                                                                     | 1896                                                                                |
|               | TRANSPORTER V Bus (7HB, 7HJ, 7EB, 7EJ, 7EF) - 2.0                                 | AXA                                                                               | 2003.11~                                                                            | 1984                                                                                |
|               | TRANSPORTER V Bus (7HB, 7HJ, 7EB, 7EJ, 7EF) - 2.0 TDI                             | CAAA                                                                              | 2009.09~                                                                            | 1968                                                                                |
|               | TRANSPORTER V Platform/Chassis (7JD, 7JE, 7JL, 7JY, 7JZ, 7FD - 1.9 TDI            | AXB                                                                               | 2003.04~2009.11                                                                     | 1896                                                                                |
|               | TRANSPORTER V Platform/Chassis (7JD, 7JE, 7JL, 7JY, 7JZ, 7FD - 2.0 TDI            | CAAC                                                                              | 2009.09~                                                                            | 1968                                                                                |
|               | UP - 1.0                                                                          | CHYA                                                                              | 2011.08~                                                                            | 999                                                                                 |
|               | VENTO (1H2) - 1.9 SDI                                                             | AEY                                                                               | 1997.04~1998.09                                                                     | 1896                                                                                |
|               | VENTO (1H2) - 1.9 TD                                                              | AAZ                                                                               | 1991.11~1998.09                                                                     | 1896                                                                                |
|               | VENTO (1H2) - 1.9 TDI                                                             | 1Z, AHU, ALE                                                                      | 1993.09~1998.09                                                                     | 1896                                                                                |
|               | VENTO (1H2) - 1.9 TDI (289 575)                                                   | 1Z                                                                                | 1993.09~1998.09                                                                     | 1896                                                                                |
|               | VENTO (1H2) - 1.9 TDI (289 576)                                                   | 1Z                                                                                | 1993.09~1998.09                                                                     | 1896                                                                                |

|  |              |              |  |         |         |  |          |          |  |       |       |  |     |  |  |
|-------------------------------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|--|
| TEN-SIONER 1                                                                        | TEN-SIONER 2 | TEN-SIONER 3 | IDLER 1                                                                             | IDLER 2 | IDLER 3 | PULLEY 1                                                                            | PULLEY 2 | PULLEY 3 | TBT 1                                                                               | TBT 2 | TBT 3 | HAT 1                                                                               | ADT |                                                                                     |  |
| GT60400                                                                             |              |              | GT60410                                                                             |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30570 GT50630 GT60510                                                             |         |         |                                                                                     |          |          | GTB0610                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT50920                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0430                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60430                                                                             |         |         |                                                                                     |          |          | GTB0440 GTB0460                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0040                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0150                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT40930                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         | GTA0040                                                                             |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT30620                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0710                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |  |
| GT80280                                                                             |              |              |                                                                                     |         |         |                                                                                     |          |          | GTB0270                                                                             |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          | GTB0270 GTB0630                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |
|                                                                                     |              |              | GT60330                                                                             |         |         |                                                                                     |          |          |                                                                                     |       |       |                                                                                     |     |                                                                                     |  |



**GMB**



## **PART 3**

**CROSS REFERENCE (OE > GMB)**

**GMB**

Cross Reference (OE > GMB)

| Maker                        | OE No         | GMB     | GATES  | INA         | SKF      |
|------------------------------|---------------|---------|--------|-------------|----------|
| ALFA ROMEO                   | 46424716      | GT70740 | T36208 | 532 0229 10 | VKM32242 |
|                              | 46546374      | GTA0030 | T38364 | 534 0101 20 | VKM32027 |
|                              | 46554826      | GT60540 | T42061 | 532 0209 10 | VKM22242 |
|                              | 4740847       | GT60530 | T41234 | 531 0557 10 | VKM22380 |
|                              | 55180011      | GTA0030 | T38364 | 534 0101 20 | VKM32027 |
|                              | 55183527      | GTB0390 | T43211 | 531 0844 10 | VKM12174 |
|                              | 55190053      | GTA0270 | T38473 | 534 0106 20 | VKM32082 |
|                              | 55191315      | GTB0390 | T43211 | 531 0844 10 | VKM12174 |
|                              | 55192323      | GTB0390 | T43211 | 531 0844 10 | VKM12174 |
|                              | 55195531      | GTA0970 | T36394 | 532 0516 10 | VKM32104 |
|                              | 55212159      | GTB0390 | T43211 | 531 0844 10 | VKM12174 |
|                              | 55238027      | GTB0390 | T43211 | 531 0844 10 | VKM12174 |
|                              | 5956109       | GT70430 | T41113 | 531 0011 20 | VKM12005 |
|                              | 60624147      | GTA0270 | T38473 | 534 0106 20 | VKM32082 |
|                              | 60800148      | GT70430 | T41113 | 531 0011 20 | VKM12005 |
|                              | 60811823      | GT70740 | T36208 | 532 0229 10 | VKM32242 |
|                              | 60812645      | GT70740 | T36208 | 532 0229 10 | VKM32242 |
|                              | 60813590      | GT60550 | T42059 | 532 0121 20 | VKM22174 |
|                              | 60814033      | GTA0380 | T36006 | 532 0370 20 | VKM32006 |
|                              | 71736493      | GT60550 | T42059 | 532 0121 20 | VKM22174 |
|                              | 71747798      | GTA0030 | T38364 | 534 0101 20 | VKM32027 |
|                              | 7763644       | GT60550 | T42059 | 532 0121 20 | VKM22174 |
| ALFA ROMEO<br>FIAT<br>LANCIA | 55192239      | GTB0550 |        | 531 0281 30 | VKM12173 |
|                              | 55192240      | GTB0560 |        | 531 0411 30 | VKM12182 |
|                              | 55211749      | GTB0580 |        | 531 0849 10 | VKM12002 |
|                              | 60596372      | GTB0550 |        | 531 0281 30 | VKM12173 |
|                              | 60652477      | GTB0560 |        | 531 0411 30 | VKM12182 |
| AUDI<br>SEAT<br>SKODA<br>VW  | 022-145-299A  | GTA0210 | T38377 | 531 0536 10 | VKM31231 |
|                              | 022-145-299D  | GTA0210 | T38377 | 531 0536 10 | VKM31231 |
|                              | 028-109-244   | GT60330 | T42045 | 532 0122 10 | VKM21012 |
|                              | 028-145-278M  | GTA0190 | T38372 | 531 0791 10 | VKM31025 |
|                              | 030-145-299F  | GTA0410 | T38214 | 534 0123 20 | VKM31015 |
|                              | 036-109-181A  | GT30550 | T42234 | 532 0185 10 | VKM21121 |
|                              | 036-109-181B  | GT30550 | T42234 | 532 0185 10 | VKM21121 |
|                              | 036-109-243AB | GTB0130 | T43149 | 531 0317 10 | VKM11120 |
|                              | 036-109-243AC | GTB0140 | T43140 | 531 0339 10 | VKM11124 |
|                              | 036-109-243AD | GTB0130 | T43149 | 531 0317 10 | VKM11120 |
|                              | 036-109-243AF | GTB0130 | T43149 | 531 0317 10 | VKM11120 |
|                              | 036-109-243AG | GTB0140 | T43140 | 531 0339 10 | VKM11124 |



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| Maker                       | OE No         | GMB             | GATES  | INA         | SKF      |
|-----------------------------|---------------|-----------------|--------|-------------|----------|
| AUDI<br>SEAT<br>SKODA<br>VW | 036-109-243F  | GTB0260         | T43078 | 531 0318 10 | VKM11121 |
|                             | 036-109-244C  | GT70730,GTA0130 | T42048 | 532 0167 10 | VKM21120 |
|                             | 036-109-244D  | GT70730,GTA0130 | T42048 | 532 0167 10 | VKM21120 |
|                             | 036-109-244J  | GT70730,GTA0130 | T42048 | 532 0167 10 | VKM21120 |
|                             | 038-109-243   | GTB0300         | T43062 | 531 0440 30 | VKM11130 |
|                             | 038-109-243D  | GTB0300         | T43062 | 531 0440 30 | VKM11130 |
|                             | 038-109-243F  | GTB0300         | T43062 | 531 0440 30 | VKM11130 |
|                             | 038-109-243G  | GTB0300         | T43062 | 531 0440 30 | VKM11130 |
|                             | 038-109-243H  | GTB0300         | T43062 | 531 0440 30 | VKM11130 |
|                             | 038-109-244B  | GT60420         | T42050 | 532 0111 10 | VKM21130 |
|                             | 038-109-244E  | GT60340         | T42051 | 532 0165 10 | VKM21131 |
|                             | 038-109-244H  | GT60420         | T42050 | 532 0111 10 | VKM21130 |
|                             | 038-109-244J  | GT40930         | T41229 | 532 0349 10 | VKM21147 |
|                             | 038-109-244M  | GT60420         | T42050 | 532 0111 10 | VKM21130 |
|                             | 038-109-244N  | GT40930         | T41229 | 532 0349 10 | VKM21147 |
|                             | 038-109-244Q  | GT60340         | T42051 | 532 0165 10 | VKM21131 |
|                             | 038-903-315AE | GTA0040         | T38307 | 534 0132 30 | VKM31019 |
|                             | 038-903-315F  | GTA0040         | T38307 | 534 0132 30 | VKM31019 |
|                             | 03L-109-244   | GT50920         | T42305 |             | VKM21269 |
|                             | 03L-109-244C  | GT60350         | T42139 | 532 0197 10 | VKM21142 |
|                             | 03L-109-244D  | GT90860         | T42044 | 532 0161 10 | VKM21004 |
|                             | 03L-109-244E  | GT50920         | T42305 |             | VKM21269 |
|                             | 03L-109-244G  | GT30620         | T42309 | 532 0623 10 | VKM21148 |
|                             | 03L-109-244J  | GT50920         | T42305 |             | VKM21269 |
|                             | 045 109 244A  | GT60350         | T42139 | 532 0197 10 | VKM21142 |
|                             | 045-109-479B  | GHAT-144        | T43063 | 533 0035 10 | VKM11145 |
|                             | 058-109-244   | GT90860         | T42044 | 532 0161 10 | VKM21004 |
|                             | 058-260-511   | GT60150         | T38068 | 531 0309 10 | VKM31059 |
|                             | 058-903-133C  | GTA0350         |        |             | VKM31033 |
|                             | 058-903-133D  | GTA0350         |        |             | VKM31033 |
|                             | 059-903-341A  | GTA0150         | T38099 | 532 0160 10 | VKM31041 |
|                             | 059-903-341E  | GTA0150         | T38099 | 532 0160 10 | VKM31041 |
|                             | 059-903-341J  | GTA0150         | T38099 | 532 0160 10 | VKM31041 |
|                             | 068-109-243   | GT80280         | T41080 | 531 0079 10 | VKM11010 |
|                             | 068-109-243B  | GT80280         | T41080 | 531 0079 10 | VKM11010 |
|                             | 068-109-243C  | GT80280         | T41080 | 531 0079 10 | VKM11010 |
|                             | 068-109-243F  | GT80280         | T41080 | 531 0079 10 | VKM11010 |
|                             | 06A-109-479   | GTB0150         | T43010 | 531 0203 20 | VKM11113 |
|                             | 06A-109-479A  | GTB0150         | T43010 | 531 0203 20 | VKM11113 |

Cross Reference (OE > GMB)

| Maker                       | OE No        | GMB              | GATES  | INA         | SKF      |
|-----------------------------|--------------|------------------|--------|-------------|----------|
| AUDI<br>SEAT<br>SKODA<br>VW | 06A-109-479C | GTB0150          | T43010 | 531 0203 20 | VKM11113 |
|                             | 06A-109-479F | GTB0150          | T43010 | 531 0203 20 | VKM11113 |
|                             | 06B-109-243  | GT60650          | T43017 | 531 0399 20 | VKM11115 |
|                             | 06B-109244   | GT60510          | T42019 | 532 0714 10 | VKM21220 |
|                             | 06D-109-243  | GTB0610          |        | 531 0678 30 | VKM11220 |
|                             | 06D-109-243B | GTB0210          | T43142 | 531 0777 10 | VKM11222 |
|                             | 06D-109-243C | GTB0600          |        |             | VKM11225 |
|                             | 06D-109-244A | GT30570          | T42149 | 532 0350 10 | VKM21221 |
|                             | 06D-109-244B | GT30570          | T42149 | 532 0350 10 | VKM21221 |
|                             | 06D-109-244C | GT50630          | T42148 | 532 0310 10 | VKM21223 |
|                             | 06D-1092-44D | GT50630          | T42148 | 532 0310 10 | VKM21223 |
|                             | 06D-109-244E | GT50630          | T42148 | 532 0310 10 | VKM21223 |
|                             | 077-109-485C | GT60390, GT60395 | T41097 |             | VKM11207 |
|                             | 077-109-485E | GT60390, GT60395 | T41097 |             | VKM11207 |
|                             | 077-109-485F | GT60390, GT60395 | T41097 |             | VKM11207 |
|                             | 078-109-243Q | GT90750          | T41082 | 531 0477 20 | VKM11202 |
|                             | 078-109-243R | GT90750          | T41082 | 531 0477 20 | VKM11202 |
|                             | 078-109-243S | GT90750          | T41082 | 531 0477 20 | VKM11202 |
|                             | 1J0-145-276  | GTA0330          | T38054 | 532 0346 10 | VKM31044 |
|                             | 1J0-145-276B | GTA0330          | T38054 | 532 0346 10 | VKM31044 |
|                             | 6QD-145-276  | GTA0330          | T38054 | 532 0346 10 | VKM31044 |
| AUDI<br>SEAT<br>VW          | 026-109-243  | GT80070          | T41079 | 531 0063 10 | VKM11000 |
|                             | 026-109-243A | GT80070          | T41079 | 531 0063 10 | VKM11000 |
|                             | 026-109-243C | GT80070          | T41079 | 531 0063 10 | VKM11000 |
|                             | 026-109-243E | GT80070          | T41079 | 531 0063 10 | VKM11000 |
|                             | 026-109-243F | GT80070          | T41079 | 531 0063 10 | VKM11000 |
|                             | 028-109-243  | GTB0630          |        | 531 0253 30 | VKM11012 |
|                             | 028-109-243B | GTB0630          |        | 531 0253 30 | VKM11012 |
|                             | 028-109-243E | GTB0270          | T43069 | 531 0251 30 | VKM11014 |
|                             | 028-109-243F | GTB0270          | T43069 | 531 0251 30 | VKM11014 |
|                             | 036-109-244  | GT70400          | T42189 | 532 0182 10 | VKM21122 |
|                             | 045-109-479C | GHAT-150         | T43031 | 533 0039 10 | VKM11144 |
|                             | 078-109-244H | GT90850          | T41227 | 532 0159 10 | VKM21202 |
| AUDI<br>VW                  | 030-109-243C | GTB0500          |        | 531 0277 30 | VKM11105 |
|                             | 030-109-243D | GTB0450          | T43046 | 531 0252 30 | VKM11106 |
|                             | 030-109-243F | GTB0450          | T43046 | 531 0252 30 | VKM11106 |
|                             | 030-109-243J | GTB0450          | T43046 | 531 0252 30 | VKM11106 |
|                             | 030-109-243K | GTB0450          | T43046 | 531 0252 30 | VKM11106 |
|                             | 030-145-299C | GTA0410          | T38214 | 534 0123 20 | VKM31015 |

| Maker      | OE No           | GMB     | GATES  | INA         | SKF      |
|------------|-----------------|---------|--------|-------------|----------|
| AUDI<br>VW | 036-109-243E    | GTB0130 | T43149 | 531 0317 10 | VKM11120 |
|            | 036-109-243K    | GTB0140 | T43140 | 531 0339 10 | VKM11124 |
|            | 036-109-243L    | GTB0130 | T43149 | 531 0317 10 | VKM11120 |
|            | 036-109-243S    | GTB0140 | T43140 | 531 0339 10 | VKM11124 |
|            | 058-109-243B    | GT60440 |        |             |          |
|            | 058-109-243C    | GT60660 | T43065 | 531 0499 20 | VKM11008 |
|            | 058-109-243E    | GT60660 | T43065 | 531 0499 20 | VKM11008 |
|            | 059-109-243F    | GTB0700 |        | 531 0573 30 | VKM11151 |
|            | 059-109-243G    | GTB0700 |        | 531 0573 30 | VKM11151 |
|            | 059-109-243L    | GTB0700 |        | 531 0573 30 | VKM11151 |
|            | 069-109-243B    | GT60430 | T41174 | 532 0051 10 | VKM21031 |
|            | 074-109-243E    | GTB0460 | T43067 | 531 0342 30 | VKM11257 |
|            | 074-109-243F    | GTB0430 | T43047 | 531 0274 30 | VKM11072 |
|            | 074-109-243G    | GTB0430 | T43047 | 531 0274 30 | VKM11072 |
|            | 074-109-243J    | GTB0430 | T43047 | 531 0274 30 | VKM11072 |
|            | 074-109-243M    | GTB0460 | T43067 | 531 0342 30 | VKM11257 |
|            | 074-109-243R    | GTB0430 | T43047 | 531 0274 30 | VKM11072 |
|            | 074-130-195B    | GTB0440 | T43048 | 531 0276 30 | VKM11073 |
|            | 077-109-244C    | GT60410 | T41230 | 532 0236 10 | VKM21203 |
|            | 077-109-244D    | GT60400 |        | 532 0329 10 |          |
|            | 077-109-244E    | GT60400 |        | 532 0329 10 |          |
| BMW        | 11 31 1 468 743 | GT90870 | T41083 | 531 0001 10 | VKM18100 |
|            | 11 31 1 711 153 | GT90870 | T41083 | 531 0001 10 | VKM18100 |
| CHERY      | 473H-1007060    | GTB0360 |        |             |          |
| CHEVROLET  | 09128738        | GT90540 | T42084 | 532 0039 10 | VKM25212 |
|            | 09158004        | GTB0050 | T43040 | 531 0054 30 | VKM15202 |
|            | 24426500        | GTB0030 | T43060 | 531 0518 30 | VKM15216 |
|            | 24503561        | GT90420 |        |             |          |
|            | 24503859        | GT90410 |        |             |          |
|            | 25183772        | GTB0010 | T43039 | 531 0213 30 | VKM70000 |
|            | 25191263        | GT80750 | T42170 | 532 0194 20 | VKM80000 |
|            | 55567191        | GTB0030 | T43060 | 531 0518 30 | VKM15216 |
|            | 93302612        | GT70760 | T36128 |             |          |
|            | 93336184        | GT70800 |        |             |          |
|            | 93397256        | GT70750 |        |             |          |
|            | 96435138        | GTA0090 | T38154 | 534 0118 20 | VKM35009 |
|            | 96440417        | GTA0930 | T36388 |             | VKM60004 |
|            | 96459042        | GTA0090 | T38154 | 534 0118 20 | VKM35009 |
|            | 96802494        | GTA0240 | T38433 | 534 0147 10 | VKM35260 |

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| Maker    | OE No        | GMB     | GATES  | INA         | SKF      |
|----------|--------------|---------|--------|-------------|----------|
| CHRYSLER | 0 4273 241   | GT90710 |        | 531 0326 10 |          |
|          | 0 4483 214   | GTA0450 |        | 534 0421 10 |          |
|          | 0 4612 894   | GTA0450 |        | 534 0421 10 |          |
|          | 0 4612 894AB | GTA0450 |        | 534 0421 10 |          |
|          | 0 4612 894AC | GTA0450 |        | 534 0421 10 |          |
|          | 0 4612 894AE | GTA0450 |        | 534 0421 10 |          |
|          | 04663515AB   | GT60600 |        |             |          |
|          | 04663515AC   | GT60600 |        |             |          |
|          | 04663515AD   | GT60600 |        |             |          |
|          | 04777017     | GT90010 | T41002 | 532 0227 10 |          |
|          | 04777375AB   | GT90010 | T41002 | 532 0227 10 |          |
|          | 04777375AC   | GT90010 | T41002 | 532 0227 10 |          |
|          | 04777383AC   | GT90010 | T41002 | 532 0227 10 |          |
|          | 04777393AB   | GT90010 | T41002 | 532 0227 10 |          |
|          | 04777394     | GT60600 |        |             |          |
|          | 04781569AA   | GT90530 | T42121 | 532 0466 10 | VKM28400 |
|          | 04781569AB   | GT90530 | T42121 | 532 0466 10 | VKM28400 |
|          | 04781570AB   | GTB0370 | T43008 | 531 0869 10 |          |
|          | 04792581AB   | GTA0430 |        |             |          |
|          | 04891720AA   | GTA0290 | T36249 | 531 0760 10 | VKM32243 |
|          | 04897578AA   | GT90530 | T42121 | 532 0466 10 | VKM28400 |
|          | 05003284AA   | GT90530 | T42121 | 532 0466 10 | VKM28400 |
|          | 05083726AB   | GT90530 | T42121 | 532 0466 10 | VKM28400 |
|          | 4315705      | GT80830 |        |             | VKM18404 |
|          | 4663515      | GT90880 |        |             |          |
|          | 5066 826AA   | GTB0650 |        | 531 0785 10 | VKM18601 |
|          | 5093 931AA   | GTA0220 | T42201 | 532 0476 10 | VKM28601 |
|          | 5142798AA    | GTB0650 |        | 531 0785 10 | VKM18601 |
|          | 5203469      | GT80820 |        |             |          |
|          | 53010161     | GTA0250 |        |             |          |
|          | 68020888AA   | GTA0150 | T38099 | 532 0160 10 | VKM31041 |
|          | K04593985AA  | GTA0150 | T38099 | 532 0160 10 | VKM31041 |
| CITROEN  | 0830.25      | GT30560 | T38709 | 532 0141 20 | VKM23901 |
|          | 0830.27      | GT30560 | T38709 | 532 0141 20 | VKM23901 |
|          | 0830.32      | GT60530 | T41234 | 531 0557 10 | VKM22380 |
|          | 0830.48      | GT30500 | T42162 | 532 0321 10 | VKM23140 |
|          | 0830.54      | GT30560 | T38709 | 532 0141 20 | VKM23901 |
|          | 0830.59      | GT30560 | T38709 | 532 0141 20 | VKM23901 |
|          | 91508298     | GT50610 | T41132 | 531 0032 10 | VKM13200 |

| Maker              | OE No      | GMB     | GATES  | INA         | SKF      |
|--------------------|------------|---------|--------|-------------|----------|
| CITROEN            | 93501405   | GT60140 | T42068 | 532 0316 10 | VKM23240 |
|                    | 95619217   | GT80290 | T41121 | 531 0005 10 | VKM12200 |
|                    | 96004619   | GT80240 | T39101 | 531 0037 10 | VKM33012 |
|                    | 96010657   | GT80300 | T41136 | 531 0036 10 | VKM13220 |
|                    | 9677655880 | GTB0540 | T43230 | 531 0850 10 | VKM13316 |
|                    | 97535002   | GT80260 | T41129 | 531 0030 10 | VKM13100 |
| CITROEN<br>PEUGEOT | 0818.17    | GT50530 | T41128 | 531 0044 10 | VKM13050 |
|                    | 0818.21    | GT80290 | T41121 | 531 0005 10 | VKM12200 |
|                    | 0818.22    | GT50530 | T41128 | 531 0044 10 | VKM13050 |
|                    | 0818.32    | GT60520 | T41178 | 532 0239 20 | VKM22385 |
|                    | 0820.23    | GTB0310 | T43050 | 531 0529 10 | VKM13214 |
|                    | 0829.11    | GT60130 | T41137 | 531 0034 10 | VKM13240 |
|                    | 0829.12    | GT50610 | T41132 | 531 0032 10 | VKM13200 |
|                    | 0829.17    | GT80290 | T41121 | 531 0005 10 | VKM12200 |
|                    | 0829.19    | GT80260 | T41129 | 531 0030 10 | VKM13100 |
|                    | 0829.21    | GT60130 | T41137 | 531 0034 10 | VKM13240 |
|                    | 0829.22    | GT80300 | T41136 | 531 0036 10 | VKM13220 |
|                    | 0829.29    | GT80260 | T41129 | 531 0030 10 | VKM13100 |
|                    | 0829.30    | GT50520 | T41130 | 531 0031 10 | VKM13120 |
|                    | 0829.32    | GT50510 | T41258 | 531 0047 10 | VKM13202 |
|                    | 0829.33    | GT50570 | T41138 | 531 0048 10 | VKM13241 |
|                    | 0829.35    | GT50510 | T41258 | 531 0047 10 | VKM13202 |
|                    | 0829.45    | GT50520 | T41130 | 531 0031 10 | VKM13120 |
|                    | 0829.54    | GT80260 | T41129 | 531 0030 10 | VKM13100 |
|                    | 0829.59    | GT60070 | T41139 | 531 0780 10 | VKM13244 |
|                    | 0829.69    | GTB0310 | T43050 | 531 0529 10 | VKM13214 |
|                    | 0829.77    | GTB0220 | T43022 | 531 0546 10 | VKM13234 |
|                    | 0829.82    | GTB0240 | T43157 | 531 0478 10 | VKM13132 |
|                    | 0829.88    | GTB0200 | T43158 | 531 0555 10 | VKM13140 |
|                    | 0829.90    | GTB0110 | T43023 | 531 0572 10 | VKM13253 |
|                    | 0829.92    | GTB0220 | T43022 | 531 0546 10 | VKM13234 |
|                    | 0829.96    | GTB0220 | T43022 | 531 0546 10 | VKM13234 |
|                    | 0829.A0    | GTB0120 | T43159 | 531 0632 10 | VKM13256 |
|                    | 0829.A4    | GTB0340 | T43089 | 531 0756 10 | VKM13257 |
|                    | 0829.A5    | GTB0230 | T43088 | 531 0757 10 | VKM13258 |
|                    | 0829.A7    | GTB0220 | T43022 | 531 0546 10 | VKM13234 |
|                    | 0829.C6    | GTB0230 | T43088 | 531 0757 10 | VKM13258 |
|                    | 0829.C7    | GTB0240 | T43157 | 531 0478 10 | VKM13132 |
|                    | 0829.C8    | GTB0120 | T43159 | 531 0632 10 | VKM13256 |

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| Maker          | OE No           | GMB     | GATES  | INA         | SKF      |
|----------------|-----------------|---------|--------|-------------|----------|
| CITROENPEUGEOT | 0829.F6         | GTB0120 | T43159 | 531 0632 10 | VKM13256 |
|                | 0829.F8         | GTB0540 | T43230 | 531 0850 10 | VKM13316 |
|                | 0830.02         | GT60140 | T42068 | 532 0316 10 | VKM23240 |
|                | 0830.13         | GT50590 | T42069 | 532 0022 10 | VKM23241 |
|                | 0830.28         | GT30610 | T42070 | 532 0196 10 | VKM23246 |
|                | 0830.31         | GT30610 | T42070 | 532 0196 10 | VKM23246 |
|                | 0830.40         | GT60520 | T41178 | 532 0239 20 | VKM22385 |
|                | 0830.63         | GT30610 | T42070 | 532 0196 10 | VKM23246 |
|                | 16 080 248 80   | GTA0310 | T36456 | 532 0477 10 | VKM34701 |
|                | 16 090 106 80   | GTA0310 | T36456 | 532 0477 10 | VKM34701 |
|                | 16 114 234 80   | GTA0310 | T36456 | 532 0477 10 | VKM34701 |
|                | 4007.E4         | GT60120 | T36023 | 531 0226 10 | VKM33015 |
|                | 5751.20         | GTA0100 | T36033 | 532 0138 10 | VKM33034 |
|                | 5751.38         | GT50560 | T36059 | 531 0097 10 | VKM33002 |
|                | 5751.74         | GTA0010 | T38236 | 534 0111 20 | VKM33032 |
|                | 5751.89         | GTA0140 | T38371 | 534 0180 10 | VKM33061 |
|                | 5751.97         | GTA0360 | T39055 | 534 0179 10 | VKM33101 |
|                | 5751.A2         | GTA0360 | T39055 | 534 0179 10 | VKM33101 |
|                | 5751.F0         | GTA0310 | T36456 | 532 0477 10 | VKM34701 |
|                | 6453.76         | GT80460 | T36064 | 531 0038 10 | VKM33010 |
|                | 6453.C5         | GT80240 | T39101 | 531 0037 10 | VKM33012 |
|                | 6453.G4         | GT80240 | T39101 | 531 0037 10 | VKM33012 |
|                | 6921.91         | GT30610 | T42070 | 532 0196 10 | VKM23246 |
|                | 6923.C0         | GT60070 | T41139 | 531 0780 10 | VKM13244 |
|                | 93 501 404      | GT60130 | T41137 | 531 0034 10 | VKM13240 |
|                | 95495830        | GT50530 | T41128 | 531 0044 10 | VKM13050 |
|                | 96 155 001      | GT60120 | T36023 | 531 0226 10 | VKM33015 |
|                | 96112418        | GT80240 | T39101 | 531 0037 10 | VKM33012 |
|                | 9635336880      | GTB0310 | T43050 | 531 0529 10 | VKM13214 |
|                | 9638380780      | GTA0140 | T38371 | 534 0180 10 | VKM33061 |
|                | 9638976580      | GTA0360 | T39055 | 534 0179 10 | VKM33101 |
|                | 9642929880      | GTB0110 | T43023 | 531 0572 10 | VKM13253 |
|                | 9643329680      | GTB0220 | T43022 | 531 0546 10 | VKM13234 |
|                | 9645209880      | GTB0230 | T43088 | 531 0757 10 | VKM13258 |
|                | 9646247380      | GT60070 | T41139 | 531 0780 10 | VKM13244 |
|                | 9649675880      | GTA0360 | T39055 | 534 0179 10 | VKM33101 |
| DACIA          | 6001545398      | GT60100 | T41157 | 531 0061 10 | VKM16101 |
| DAEWOO         | 12810A81400-000 | GT30010 | T41267 | 531 0112 20 | VKM76102 |
|                | 5094008601      | GTB0010 | T43039 | 531 0213 30 | VKM70000 |

| Maker    | OE No           | GMB     | GATES  | INA         | SKF      |
|----------|-----------------|---------|--------|-------------|----------|
| DAEWOO   | 90411782        | GT90540 | T42084 | 532 0039 10 | VKM25212 |
|          | 94580139        | GT30010 | T41267 | 531 0112 20 | VKM76102 |
|          | 96103222        | GT80750 | T42170 | 532 0194 20 | VKM80000 |
|          | 96208428        | GTA0790 | T36606 |             | VKM60011 |
|          | 96344236        | GTA0560 |        |             |          |
|          | 96350526        | GT80750 | T42170 | 532 0194 20 | VKM80000 |
|          | 96350550        | GTB0010 | T43039 | 531 0213 30 | VKM70000 |
|          | 96352818        | GTA0090 | T38154 | 534 0118 20 | VKM35009 |
|          |                 |         |        |             |          |
| DAIHATSU | 13503-64020-000 | GT80330 | T42027 | 532 0081 20 | VKM81100 |
|          | 13505-87102     | GT80410 | T41004 | 531 0151 20 | VKM77500 |
|          | 13505-87203     | GT80180 | T41320 | 531 0158 20 | VKM77401 |
|          | 13505-87205     | GT80160 |        | 531 0222 20 | VKM77002 |
|          | 13505-87206     | GT60240 |        |             | VKM77505 |
|          | 13505-87702     | GT40010 | T41003 | 531 0153 20 | VKM77300 |
|          | 13505-97201     | GT60360 | T41245 | 531 0824 10 | VKM77503 |
|          |                 |         |        |             |          |
| DODGE    | 53030958AE      | GTA0590 |        |             |          |
|          | 68000678AA      | GT40930 | T41229 | 532 0349 10 | VKM21147 |
| FIAT     | 4427069         | GT70420 |        | 532 0202 10 |          |
|          | 46400054        | GT60540 | T42061 | 532 0209 10 | VKM22242 |
|          | 46441096        | GT70820 | T36058 | 531 0392 10 | VKM32015 |
|          | 46454419        | GTA0380 | T36006 | 532 0370 20 | VKM32006 |
|          | 46514222        | GTA0380 | T36006 | 532 0370 20 | VKM32006 |
|          | 46524820        | GT70780 |        |             | VKM4614  |
|          | 46537101        | GTA0290 | T36249 | 531 0760 10 | VKM32243 |
|          | 46736886        | GT70390 |        | 531 0816 10 |          |
|          | 46756937        | GT70480 | T36082 | 532 0297 10 | VKM32031 |
|          | 46794035        | GTA0380 | T36006 | 532 0370 20 | VKM32006 |
|          | 4740846         | GT60520 | T41178 | 532 0239 20 | VKM22385 |
|          | 50006132        | GT70470 |        | 532 0207 10 |          |
|          | 504000412       | GTA0890 | T36396 | 532 0298 10 | VKM32301 |
|          | 504010846       | GTB0490 | T43163 | 531 0505 10 | VKM12390 |
|          | 504183759       | GTB0490 | T43163 | 531 0505 10 | VKM12390 |
|          | 55204392        | GT70480 | T36082 | 532 0297 10 | VKM32031 |
|          | 55211287        | GT60540 | T42061 | 532 0209 10 | VKM22242 |
|          | 55556090        | GTA0240 | T38433 | 534 0147 10 | VKM35260 |
|          | 5997325         | GT70440 | T41116 | 531 0006 10 | VKM12101 |
|          | 60607965        | GT50500 |        |             | VKM22173 |
|          | 60652129        | GT50500 |        |             | VKM22173 |
|          | 60652129        | GTA0180 | T42060 | 532 0120 10 | VKM22177 |



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| Maker          | OE No      | GMB     | GATES  | INA         | SKF      |
|----------------|------------|---------|--------|-------------|----------|
| FIAT           | 60664403   | GT50500 |        |             | VKM22173 |
|                | 60664403   | GTA0180 | T42060 | 532 0120 10 | VKM22177 |
|                | 60671573   | GT50500 |        |             | VKM22173 |
|                | 60671573   | GTA0180 | T42060 | 532 0120 10 | VKM22177 |
|                | 60805460   | GT60680 |        | 532 0193 20 | VKM32009 |
|                | 7541718    | GT70450 | T41122 | 531 0014 20 | VKM12227 |
|                | 7650925    | GT70740 | T36208 | 532 0229 10 | VKM32242 |
|                | 7702173    | GT60680 |        | 532 0193 20 | VKM32009 |
|                | 7726935    | GT70460 |        | 531 0348 10 |          |
|                | 7797142    | GT70740 | T36208 | 532 0229 10 | VKM32242 |
|                | 9400829599 | GT60070 | T41139 | 531 0780 10 | VKM13244 |
|                | 9400829889 | GTB0200 | T43158 | 531 0555 10 | VKM13140 |
|                | 9400829909 | GTB0110 | T43023 | 531 0572 10 | VKM13253 |
|                | 9400830289 | GT30610 | T42070 | 532 0196 10 | VKM23246 |
|                | 9400830289 | GT60080 |        |             |          |
|                | 9400830599 | GT30560 | T38709 | 532 0141 20 | VKM23901 |
|                | 9615923380 | GT50590 | T42069 | 532 0022 10 | VKM23241 |
|                | 9617188680 | GT50570 | T41138 | 531 0048 10 | VKM13241 |
|                | 9622574480 | GT50510 | T41258 | 531 0047 10 | VKM13202 |
|                | 9627860780 | GT50560 | T36059 | 531 0097 10 | VKM33002 |
|                | 9636782780 | GTA0010 | T38236 | 534 0111 20 | VKM33032 |
|                | 9653522780 | GTA0010 | T38236 | 534 0111 20 | VKM33032 |
|                | 9658142480 | GTA0310 | T36456 | 532 0477 10 | VKM34701 |
|                | 99432547   | GT60520 | T41178 | 532 0239 20 | VKM22385 |
|                | 99461357   | GT60520 | T41178 | 532 0239 20 | VKM22385 |
|                | 99461358   | GT60530 | T41234 | 531 0557 10 | VKM22380 |
| FIAT<br>LANCIA | 46403679   | GTB0470 | T43055 | 531 0414 30 | VKM12201 |
|                | 55192773   | GTB0590 |        | 531 0413 30 | VKM12172 |
|                | 55196971   | GTB0570 |        | 531 0254 30 | VKM12215 |
|                | 55248394   | GTB0470 | T43055 | 531 0414 30 | VKM12201 |
|                | 5972277    | GT80290 | T41121 | 531 0005 10 | VKM12200 |
|                | 71740977   | GT80290 | T41121 | 531 0005 10 | VKM12200 |
|                | 7772961    | GTB0590 |        | 531 0413 30 | VKM12172 |
|                | 7782192    | GTB0570 |        | 531 0254 30 | VKM12215 |
|                | 9608989980 | GTA0100 | T36033 | 532 0138 10 | VKM33034 |
| FORD           | 1000159    | GTB0290 | T43115 | 531 0345 10 | VKM14211 |
|                | 1004961    | GTA0400 | T38056 | 531 0540 10 | VKM34005 |
|                | 1005822    | GT80210 | T41144 | 531 0029 20 | VKM14103 |
|                | 1005823    | GT80230 | T42000 | 532 0018 10 | VKM24100 |

| Maker | OE No   | GMB             | GATES  | INA         | SKF      |
|-------|---------|-----------------|--------|-------------|----------|
| FORD  | 1038384 | GT90400         | T42164 | 532 0151 10 | VKM24212 |
|       | 1039422 | GTB0410         | T43127 | 531 0586 10 | VKM14222 |
|       | 1053684 | GTA0400         | T38056 | 531 0540 10 | VKM34005 |
|       | 1053942 | GT90390         | T42197 | 532 0152 10 | VKM24214 |
|       | 1058458 | GTB0270         | T43069 | 531 0251 30 | VKM11014 |
|       | 1072031 | GTB0290         | T43115 | 531 0345 10 | VKM14211 |
|       | 1072131 | GTB0410         | T43127 | 531 0586 10 | VKM14222 |
|       | 1072321 | GTA0110         | T36175 | 532 0501 10 | VKM34034 |
|       | 1079173 | GTB0280         | T43116 | 531 0497 10 | VKM14108 |
|       | 1089679 | GTA0400         | T38056 | 531 0540 10 | VKM34005 |
|       | 1095025 | GT60280,GTA0300 | T41233 | 532 0187 10 | VKM24213 |
|       | 1100566 | GHAT-150        | T43031 | 533 0039 10 | VKM11144 |
|       | 1103598 | GT80230         | T42000 | 532 0018 10 | VKM24100 |
|       | 1104003 | GTB0530         |        | 531 0627 30 | VKM14216 |
|       | 1104087 | GTB0410         | T43127 | 531 0586 10 | VKM14222 |
|       | 1105980 | GT90630         |        | 531 0674 20 |          |
|       | 1107573 | GTB0290         | T43115 | 531 0345 10 | VKM14211 |
|       | 1111911 | GTB0410         | T43127 | 531 0586 10 | VKM14222 |
|       | 1112807 | GTA0110         | T36175 | 532 0501 10 | VKM34034 |
|       | 1113174 | GTB0280         | T43116 | 531 0497 10 | VKM14108 |
|       | 1113355 | GTB0410         | T43127 | 531 0586 10 | VKM14222 |
|       | 1117009 | GTA0200         | T36125 | 532 0471 10 | VKM34031 |
|       | 1119023 | GHAT-144        | T43063 | 533 0035 10 | VKM11145 |
|       | 1122523 | GTA0040         | T38307 | 534 0132 30 | VKM31019 |
|       | 1128896 | GTA0200         | T36125 | 532 0471 10 | VKM34031 |
|       | 1139712 | GTA0210         | T38377 | 531 0536 10 | VKM31231 |
|       | 1139951 | GTA0110         | T36175 | 532 0501 10 | VKM34034 |
|       | 1143406 | GTA0140         | T38371 | 534 0180 10 | VKM33061 |
|       | 1145947 | GTB0200         | T43158 | 531 0555 10 | VKM13140 |
|       | 1145955 | GT30500         | T42162 | 532 0321 10 | VKM23140 |
|       | 1213852 | GT60280,GTA0300 | T41233 | 532 0187 10 | VKM24213 |
|       | 1214747 | GTA0140         | T38371 | 534 0180 10 | VKM33061 |
|       | 1215978 | GTB0280         | T43116 | 531 0497 10 | VKM14108 |
|       | 1221491 | GT40930         | T41229 | 532 0349 10 | VKM21147 |
|       | 1229540 | GTA0020         | T38331 | 534 0075 20 | VKM33043 |
|       | 1231975 | GTB0340         | T43089 | 531 0756 10 | VKM13257 |
|       | 1328472 | GTB0290         | T43115 | 531 0345 10 | VKM14211 |
|       | 1329630 | GTA0140         | T38371 | 534 0180 10 | VKM33061 |
|       | 1355389 | GTA0020         | T38331 | 534 0075 20 | VKM33043 |

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| Maker | OE No         | GMB     | GATES  | INA         | SKF      |
|-------|---------------|---------|--------|-------------|----------|
| FORD  | 1359934       | GTB0200 | T43158 | 531 0555 10 | VKM13140 |
|       | 1361983       | GTB0380 | T43171 | 531 0813 10 | VKM14224 |
|       | 1371753       | GT50600 | T42097 | 532 0317 10 | VKM26602 |
|       | 1376164       | GTB0380 | T43171 | 531 0813 10 | VKM14224 |
|       | 1376631       | GTA0040 | T38307 | 534 0132 30 | VKM31019 |
|       | 1469717       | GTA0020 | T38331 | 534 0075 20 | VKM33043 |
|       | 1473365       | GTB0200 | T43158 | 531 0555 10 | VKM13140 |
|       | 1479084       | GTB0280 | T43116 | 531 0497 10 | VKM14108 |
|       | 1535439       | GTB0480 | T43156 | 531 0778 10 | VKM12206 |
|       | 1649176       | GT80500 |        | 531 0758 10 | VKM14204 |
|       | 1669904       | GTB0270 | T43069 | 531 0251 30 | VKM11014 |
|       | 2M216K297AA   | GT40930 | T41229 | 532 0349 10 | VKM21147 |
|       | 2N1U10K018BA  | GT70810 |        |             |          |
|       | 2S6Q 6M250 AA | GT30500 | T42162 | 532 0321 10 | VKM23140 |
|       | 2T1Q 6K254 AA | GTB0280 | T43116 | 531 0497 10 | VKM14108 |
|       | 3252666       | GT90630 |        | 531 0674 20 |          |
|       | 3395997       | GT80670 | T41034 | 531 0597 20 | VKM74000 |
|       | 3396014       | GT80040 | T42008 | 532 0100 20 | VKM84000 |
|       | 3396015       | GT80520 | T42010 | 532 0101 20 | VKM84001 |
|       | 3590347       | GT70950 | T41296 | 531 0835 10 | VKM74604 |
|       | 3864995       | GT80520 | T42010 | 532 0101 20 | VKM84001 |
|       | 3894197       | GT80670 | T41034 | 531 0597 20 | VKM74000 |
|       | 3895193       | GT20020 | T42003 | 532 0069 20 | VKM84600 |
|       | 3994039       | GT80670 | T41034 | 531 0597 20 | VKM74000 |
|       | 3M5Q 6B217 AA | GTB0340 | T43089 | 531 0756 10 | VKM13257 |
|       | 4M5Q 6A228 BA | GTA0020 | T38331 | 534 0075 20 | VKM33043 |
|       | 4M5Q 6A228 BB | GTA0020 | T38331 | 534 0075 20 | VKM33043 |
|       | 5M5G 6K254 AB | GTB0380 | T43171 | 531 0813 10 | VKM14224 |
|       | 6089286       | GT60300 | T41260 | 531 0019 10 | VKM14200 |
|       | 6145027       | GT60300 | T41260 | 531 0019 10 | VKM14200 |
|       | 6168156       | GTA0260 |        |             | VKM34040 |
|       | 6177882       | GT80210 | T41144 | 531 0029 20 | VKM14103 |
|       | 6200028       | GT80220 | T41143 | 531 0023 10 | VKM14100 |
|       | 6200285       | GTA0120 |        | 532 0254 10 | VKM34061 |
|       | 6497120       | GT80220 | T41143 | 531 0023 10 | VKM14100 |
|       | 6501088       | GTA0260 |        |             | VKM34040 |
|       | 6635941       | GT90000 | T41008 | 531 0021 10 | VKM14210 |
|       | 6635942       | GT90360 | T42036 | 532 0016 10 | VKM24210 |
|       | 6686136       | GT80220 | T41143 | 531 0023 10 | VKM14100 |

| Maker | OE No          | GMB             | GATES  | INA         | SKF      |
|-------|----------------|-----------------|--------|-------------|----------|
| FORD  | 6744307        | GT90350         | T42033 | 532 0093 10 | VKM24211 |
|       | 6789631        | GTA0260         |        |             | VKM34040 |
|       | 6988203        | GT80210         | T41144 | 531 0029 20 | VKM14103 |
|       | 6M5G6M250AA    | GT50600         | T42097 | 532 0317 10 | VKM26602 |
|       | 7053802        | GT80230         | T42000 | 532 0018 10 | VKM24100 |
|       | 7109163        | GTA0110         | T36175 | 532 0501 10 | VKM34034 |
|       | 7330712        | GT80220         | T41143 | 531 0023 10 | VKM14100 |
|       | 84SM 6K254 AA  | GT60300         | T41260 | 531 0019 10 | VKM14200 |
|       | 88WF 6A228 AC  | GTA0260         |        |             | VKM34040 |
|       | 89FF 6K254 AC  | GT80220         | T41143 | 531 0023 10 | VKM14100 |
|       | 928F 19A216 AA | GTA0120         |        | 532 0254 10 | VKM34061 |
|       | 928M6K254AC    | GT90000         | T41008 | 531 0021 10 | VKM14210 |
|       | 928M6M250 BC   | GT90360         | T42036 | 532 0016 10 | VKM24210 |
|       | 928M6M250 DC   | GT90350         | T42033 | 532 0093 10 | VKM24211 |
|       | 93FF 6K254 BA  | GT80210         | T41144 | 531 0029 20 | VKM14103 |
|       | 95VW 6K254 CA  | GTB0270         | T43069 | 531 0251 30 | VKM11014 |
|       | 95WF 19A216 AC | GTA0110         | T36175 | 532 0501 10 | VKM34034 |
|       | 96FF 19A216 AE | GTA0400         | T38056 | 531 0540 10 | VKM34005 |
|       | 96FF 19A216 AF | GTA0400         | T38056 | 531 0540 10 | VKM34005 |
|       | 96FF 6K254 BA  | GT80210         | T41144 | 531 0029 20 | VKM14103 |
|       | 96FF6K254 DA   | GT80230         | T42000 | 532 0018 10 | VKM24100 |
|       | 96FF6K254 DB   | GT80230         | T42000 | 532 0018 10 | VKM24100 |
|       | 978M 6K254 AD  | GTB0530         |        | 531 0627 30 | VKM14216 |
|       | 978M 6M250 AA  | GT90400         | T42164 | 532 0151 10 | VKM24212 |
|       | 978M 6M250 BB  | GT90390         | T42197 | 532 0152 10 | VKM24214 |
|       | 988M 6K254 AB  | GTB0290         | T43115 | 531 0345 10 | VKM14211 |
|       | BF5T6B209      | GT70720,GT70940 |        |             | VKM4788  |
|       | E5EE6K254AA    | GT80500         |        | 531 0758 10 | VKM14204 |
|       | E5FZ6K254A     | GT80500         |        | 531 0758 10 | VKM14204 |
|       | E8DE6B209DA    | GTA0420         |        |             |          |
|       | E9DZ6K254A     | GT60380         |        |             |          |
|       | F5RZ-6M250-A   | GT90360         | T42036 | 532 0016 10 | VKM24210 |
|       | F5RZ-6M250-B   | GT90350         | T42033 | 532 0093 10 | VKM24211 |
|       | F7CZ-6K254A    | GT90570         | T43004 |             | VKM54004 |
|       | F8CZ-6M250-AA  | GT90400         | T42164 | 532 0151 10 | VKM24212 |
|       | XM21 6B260 AA  | GHAT-150        | T43031 | 533 0039 10 | VKM11144 |
|       | XM34 6K254 AA  | GT70950         | T41296 | 531 0835 10 | VKM74604 |
|       | XM34-6M250-AA  | GT20020         | T42003 | 532 0069 20 | VKM84600 |
|       | XS4Z-6M250-BA  | GT90390         | T42197 | 532 0152 10 | VKM24214 |

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| Maker  | OE No          | GMB             | GATES  | INA         | SKF      |
|--------|----------------|-----------------|--------|-------------|----------|
| FORD   | XS6E-19A2-16CC | GT70790         |        |             | VKM4793  |
|        | XS7G 6M250 AA  | GT60280,GTA0300 | T41233 | 532 0187 10 | VKM24213 |
|        | XS7G 6M250 BA  | GT60280,GTA0300 | T41233 | 532 0187 10 | VKM24213 |
|        | YL2Z6B209AA    | GTA0520         |        |             |          |
|        | YM21 10145 BB  | GTA0210         | T38377 | 531 0536 10 | VKM31231 |
|        | YM21 6B260 AA  | GHAT-144        | T43063 | 533 0035 10 | VKM11145 |
|        | YM21 6K254 AA  | GTA0040         | T38307 | 534 0132 30 | VKM31019 |
| HOLDEN | EP030          | GTA0800         |        |             |          |
| HONDA  | 13404-P13-003  | GT90030         |        | 531 0145 20 | VKM73007 |
|        | 13404-PT0-003  | GT80390         | T41013 | 531 0132 20 | VKM73011 |
|        | 13404-PT0-004  | GT80390         | T41013 | 531 0132 20 | VKM73011 |
|        | 13450-P5A-003  | GT90790         |        |             |          |
|        | 14510-P08-003  | GT90040         | T41023 | 531 0314 20 | VKM73005 |
|        | 14510-P08-004  | GT90040         | T41023 | 531 0314 20 | VKM73005 |
|        | 14510-P0G-A01  | GT60610         |        |             |          |
|        | 14510-P13-003  | GT90120         |        | 531 0144 20 | VKM73006 |
|        | 14510-P2A-004  | GT90040         | T41023 | 531 0314 20 | VKM73005 |
|        | 14510-P2A-J01  | GT90040         | T41023 | 531 0314 20 | VKM73005 |
|        | 14510-P30-003  | GT80580         | T41016 | 531 0140 20 | VKM73201 |
|        | 14510-P5A-003  | GT90780         |        | 531 0648 20 |          |
|        | 14510-P8A-A01  | GT90380         |        | 531 0647 20 | VKM73605 |
|        | 14510-PC6-013  | GT80170         | T41012 | 531 0130 20 | VKM73200 |
|        | 14510-PD2-003  | GT80170         | T41012 | 531 0130 20 | VKM73200 |
|        | 14510-PD2-004  | GT80170         | T41012 | 531 0130 20 | VKM73200 |
|        | 14510-PE0-003  | GT80590         | T41017 | 531 0135 20 | VKM73101 |
|        | 14510-PE0-005  | GT80590         | T41017 | 531 0135 20 | VKM73101 |
|        | 14510-PFB-003  | GT90270         |        |             |          |
|        | 14510-PG6-013  | GT80610         |        | 531 0134 20 |          |
|        | 14510-PGE-A01  | GT90380         |        | 531 0647 20 | VKM73605 |
|        | 14510-PH1-003  | GT80170         | T41012 | 531 0130 20 | VKM73200 |
|        | 14510-PH1-004  | GT80170         | T41012 | 531 0130 20 | VKM73200 |
|        | 14510-PH3-003  | GT80650         | T41019 | 531 0133 20 | VKM73002 |
|        | 14510-PH3-004  | GT80650         | T41019 | 531 0133 20 | VKM73002 |
|        | 14510-PH7-003  | GT80550         | T41015 | 531 0141 20 | VKM73001 |
|        | 14510-PH7-004  | GT80550         | T41015 | 531 0141 20 | VKM73001 |
|        | 14510-PK1-004  | GT80650         | T41019 | 531 0133 20 | VKM73002 |
|        | 14510-PK1-014  | GT80650         | T41019 | 531 0133 20 | VKM73002 |
|        | 14510-PM7-003  | GT80100         | T41011 | 531 0268 20 | VKM73000 |
|        | 14510-PM7-004  | GT80100         | T41011 | 531 0268 20 | VKM73000 |

| Maker   | OE No         | GMB      | GATES  | INA         | SKF      |
|---------|---------------|----------|--------|-------------|----------|
| HONDA   | 14510-PR3-003 | GT80580  | T41016 | 531 0140 20 | VKM73201 |
|         | 14510-PR3-004 | GT80580  | T41016 | 531 0140 20 | VKM73201 |
|         | 14510-PR7-A01 | GT90770  |        |             |          |
|         | 14510-PT0-002 | GT80440  | T41014 | 531 0131 20 | VKM73600 |
|         | 14510-PT0-003 | GT80440  | T41014 | 531 0131 20 | VKM73600 |
|         | 14510-PT0-004 | GT80440  | T41014 | 531 0131 20 | VKM73600 |
|         | 14510-PV0-003 | GT80850  |        |             |          |
|         | 14510-PY3-003 | GT80860  |        | 531 0109 20 | VKM73004 |
|         | 14510-PY3-004 | GT80860  |        | 531 0109 20 | VKM73004 |
|         | 14510-PZ1-003 | GT90270  |        |             |          |
|         | 14510-RCA-A01 | GT90760  |        |             |          |
|         | 14510-RGA-003 | GT30590  |        |             | VKM73603 |
|         | 14520-P1A-003 | GT90300  |        |             | VKM83000 |
|         | 14520-P2A-305 | GT90040  | T41023 | 531 0314 20 | VKM73005 |
|         | 14520-PFB-003 | GT90300  |        |             | VKM83000 |
|         | 14520-PZ1-003 | GT90300  |        |             | VKM83000 |
|         | 14550-P8A-A01 | GT90370  |        | 532 0019 20 | VKM83003 |
|         | 14550-PGE-A01 | GT90370  |        | 532 0019 20 | VKM83003 |
|         | 14550-RCA-A01 | GT90730  |        |             |          |
|         | 31170-RWK-005 | GHAT-178 | T39077 | 534 0534 10 | VKM63019 |
|         | 31170-RWK-025 | GHAT-178 | T39077 | 534 0534 10 | VKM63019 |
|         | 31170-RWK-035 | GHAT-178 | T39077 | 534 0534 10 | VKM63019 |
|         | 31170-RZP-G01 | GHAT-178 | T39077 | 534 0534 10 | VKM63019 |
|         | 31170-RZP-G03 | GHAT-178 | T39077 | 534 0534 10 | VKM63019 |
|         | 31190-RL2-G01 | GTA0710  | T38016 | 532 0580 10 | VKM63014 |
|         | 31190-RNA-003 | GTA0710  | T38016 | 532 0580 10 | VKM63014 |
|         | 38942-P01-003 | GTA0600  |        | 531 0853 10 | VKM63001 |
|         | 38942-PHM-004 | GT50680  | T36424 |             | VKM63002 |
|         | 38942-PWA-004 | GT50680  | T36424 |             | VKM63002 |
|         | 38950-P2K-305 | GTA0600  |        | 531 0853 10 | VKM63001 |
| HYUNDAI | 23129-24310   | GTA0770  |        |             |          |
|         | 23129-33370   | GTA0770  |        |             |          |
|         | 23129-4F100   | GTA0750  |        |             |          |
|         | 23357-22130   | GT10070  | T41047 | 531 0121 20 | VKM75044 |
|         | 23357-32050   | GT10040  | T41045 | 531 0235 20 | VKM75008 |
|         | 23357-32120   | GT10070  | T41047 | 531 0121 20 | VKM75044 |
|         | 23357-33120   | GT10070  | T41047 | 531 0121 20 | VKM75044 |
|         | 23357-33130   | GT10070  | T41047 | 531 0121 20 | VKM75044 |
|         | 23357-33350   | GT10072  | T41038 | 531 0382 20 | VKM75613 |

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| Maker   | OE No        | GMB      | GATES  | INA         | SKF      |
|---------|--------------|----------|--------|-------------|----------|
| HYUNDAI | 23357-38001  | GT10072  | T41038 | 531 0382 20 | VKM75613 |
|         | 23357-42000  | GT10130  | T42130 | 531 0231 20 | VKM75612 |
|         | 23357-42010  | GT10130  | T42130 | 531 0231 20 | VKM75612 |
|         | 23357-42020  | GT10130  | T42130 | 531 0231 20 | VKM75612 |
|         | 23357-42030  | GT10130  | T42130 | 531 0231 20 | VKM75612 |
|         | 24317-42000  | GT10140  | T42129 | 531 0232 20 | VKM75601 |
|         | 24317-42010  | GT10140  | T42129 | 531 0232 20 | VKM75601 |
|         | 24317-42020  | GT10140  | T42129 | 531 0232 20 | VKM75601 |
|         | 24410-02510  | GT10240  | T41241 | 531 0653 20 | VKM75621 |
|         | 24410-02550  | GT10240  | T41241 | 531 0653 20 | VKM75621 |
|         | 24410-21010  | GT10010  | T41042 | 531 0119 20 | VKM75100 |
|         | 24410-21014  | GT10010  | T41042 | 531 0119 20 | VKM75100 |
|         | 24410-22000  | GT10022  | T41037 | 531 0118 20 | VKM75006 |
|         | 24410-22020  | GT10022  | T41037 | 531 0118 20 | VKM75006 |
|         | 24410-23011  | GT10150  | T41041 | 531 0528 10 | VKM75629 |
|         | 24410-23050  | GTB0060  | T43135 | 531 0532 10 | VKM75636 |
|         | 24410-23400  | GT10150  | T41041 | 531 0528 10 | VKM75629 |
|         | 24410-23500  | GT10150  | T41041 | 531 0528 10 | VKM75629 |
|         | 24410-26000  | GT10022  | T41037 | 531 0118 20 | VKM75006 |
|         | 24410-27000  | GT10510  | T43133 | 531 0843 10 | VKM75628 |
|         | 24410-27250  | GT10510  | T43133 | 531 0843 10 | VKM75628 |
|         | 24410-2X000  | GT20040  | T41030 | 531 0104 20 | VKM74200 |
|         | 24410-2X700  | GT20050  | T41031 | 531 0106 20 | VKM74201 |
|         | 24410-2X701  | GT20050  | T41031 | 531 0106 20 | VKM74201 |
|         | 24410-32000  | GT10031  | T41043 | 531 0124 20 | VKM75033 |
|         | 24410-32010  | GT10031  | T41043 | 531 0124 20 | VKM75033 |
|         | 24410-32020  | GT10031  | T41043 | 531 0124 20 | VKM75033 |
|         | 24410-32040  | GT10031  | T41043 | 531 0124 20 | VKM75033 |
|         | 24410-32533  | GT10060  | T41046 | 531 0120 20 | VKM75144 |
|         | 24410-32553  | GT10032  | T41044 | 531 0236 20 | VKM75130 |
|         | 24410-32554D | GT10032  | T41044 | 531 0236 20 | VKM75130 |
|         | 24410-32560  | GT10032  | T41044 | 531 0236 20 | VKM75130 |
|         | 24410-33101  | GHAT-101 |        |             | VKM75644 |
|         | 24410-33180  | GHAT-101 |        |             | VKM75644 |
|         | 24410-33190  | GHAT-101 |        |             | VKM75644 |
|         | 24410-35000  | GT10080  | T41048 | 531 0125 20 | VKM75004 |
|         | 24410-35010  | GT10080  | T41048 | 531 0125 20 | VKM75004 |
|         | 24410-35020  | GT10080  | T41048 | 531 0125 20 | VKM75004 |
|         | 24410-35060  | GT10080  | T41048 | 531 0125 20 | VKM75004 |

| Maker   | OE No       | GMB      | GATES  | INA         | SKF      |
|---------|-------------|----------|--------|-------------|----------|
| HYUNDAI | 24410-35590 | GHAT-103 |        |             |          |
|         | 24410-37100 | GHAT-100 | T43193 |             | VKM75641 |
|         | 24410-38001 | GHAT-102 | T43178 |             | VKM75643 |
|         | 24410-39001 | GHAT-104 |        |             | VKM75642 |
|         | 24450-2Y000 | GT20140  | T41032 | 531 0670 20 | VKM74502 |
|         | 24450-33010 | GT10060  | T41046 | 531 0120 20 | VKM75144 |
|         | 24450-33020 | GT10060  | T41046 | 531 0120 20 | VKM75144 |
|         | 24450-35510 | GT10100  | T41039 | 531 0051 20 | VKM75000 |
|         | 24450-35530 | GT10100  | T41039 | 531 0051 20 | VKM75000 |
|         | 24450-37100 | GT10101  | T41040 | 532 0382 20 | VKM85148 |
|         | 24450-37120 | GT10101  | T41040 | 532 0382 20 | VKM85148 |
|         | 24450-38001 | GT10061  | T41087 | 531 0651 20 | VKM75633 |
|         | 24450-38010 | GT10061  | T41087 | 531 0651 20 | VKM75633 |
|         | 24450-38011 | GT10061  | T41087 | 531 0651 20 | VKM75633 |
|         | 24450-39810 | GT10100  | T41039 | 531 0051 20 | VKM75000 |
|         | 24450-3Y100 | GT20150  |        | 531 0716 10 | VKM74504 |
|         | 24450-3Y200 | GT20160  |        | 531 0719 10 | VKM74503 |
|         | 24810-23011 | GT10160  | T42015 | 532 0307 10 | VKM85153 |
|         | 24810-23050 | GT10160  | T42015 | 532 0307 10 | VKM85153 |
|         | 24810-23400 | GT10160  | T42015 | 532 0307 10 | VKM85153 |
|         | 24810-23500 | GT10160  | T42015 | 532 0307 10 | VKM85153 |
|         | 24810-26000 | GT10170  | T42016 | 532 0314 20 | VKM85145 |
|         | 24810-26010 | GT10170  | T42016 | 532 0314 20 | VKM85145 |
|         | 24810-26020 | GT10170  | T42016 | 532 0314 20 | VKM85145 |
|         | 24810-26060 | GT10170  | T42016 | 532 0314 20 | VKM85145 |
|         | 24810-27250 | GT10520  | T42141 | 532 0540 10 | VKM85146 |
|         | 24810-27750 | GT10520  | T42141 | 532 0540 10 | VKM85146 |
|         | 24810-2X700 | GT20060  | T42005 | 532 0068 20 | VKM84201 |
|         | 24810-33021 | GT10050  | T42017 | 532 0074 20 | VKM85000 |
|         | 24810-33024 | GT10050  | T42017 | 532 0074 20 | VKM85000 |
|         | 24810-35500 | GT10110  | T42018 | 532 0148 20 | VKM85002 |
|         | 24810-35510 | GT10110  | T42018 | 532 0148 20 | VKM85002 |
|         | 24810-35530 | GT10110  | T42018 | 532 0148 20 | VKM85002 |
|         | 24810-37100 | GT10111  | T42014 | 531 0652 20 | VKM75630 |
|         | 24810-37120 | GT10111  | T42014 | 531 0652 20 | VKM75630 |
|         | 24810-38001 | GT10050  | T42017 | 532 0074 20 | VKM85000 |
|         | 24810-39810 | GT10110  | T42018 | 532 0148 20 | VKM85002 |
|         | 24840-38001 | GT10050  | T42017 | 532 0074 20 | VKM85000 |
|         | 25281-25000 | GAT10010 | T39071 | 534 0430 10 | VKM65039 |

Cross Reference (OE > GMB)

| Maker   | OE No       | GMB              | GATES  | INA         | SKF      |
|---------|-------------|------------------|--------|-------------|----------|
| HYUNDAI | 25281-27000 | GAT10050,GTA0060 | T38454 | 534 0306 10 | VKM65027 |
|         | 25281-27001 | GAT10050,GTA0060 | T38454 | 534 0306 10 | VKM65027 |
|         | 25281-27010 | GAT10050,GTA0060 | T38454 | 534 0306 10 | VKM65027 |
|         | 25281-27060 | GAT10050,GTA0060 | T38454 | 534 0306 10 | VKM65027 |
|         | 25281-2A000 | GAT10070         | T39123 | 534 0423 10 | VKM64010 |
|         | 25281-2A100 | GAT10070         | T39123 | 534 0423 10 | VKM64010 |
|         | 25281-2A150 | GAT10070         | T39123 | 534 0423 10 | VKM64010 |
|         | 25281-2A200 | GAT10070         | T39123 | 534 0423 10 | VKM64010 |
|         | 25281-2B000 | GAT10020         | T39210 | 534 0417 10 | VKM64056 |
|         | 25281-2B010 | GAT10020         | T39210 | 534 0417 10 | VKM64056 |
|         | 25281-2B020 | GAT10020         | T39210 | 534 0417 10 | VKM64056 |
|         | 25281-2E000 | GAT10030         |        |             |          |
|         | 25281-2F000 | GAT10040         | T39275 | 534 0429 10 |          |
|         | 25281-35010 | GT10090          | T39245 | 532 0381 20 | VKM65004 |
|         | 25281-35020 | GT10090          | T39245 | 532 0381 20 | VKM65004 |
|         | 25281-35050 | GT10090          | T39245 | 532 0381 20 | VKM65004 |
|         | 25281-35060 | GT10090          | T39245 | 532 0381 20 | VKM65004 |
|         | 25281-35530 | GT10120          |        |             |          |
|         | 25281-39010 | GT10321          |        |             |          |
|         | 25281-4A000 | GAT10060         | T39134 | 534 0341 10 | VKM64011 |
|         | 25281-4A010 | GAT10060         | T39134 | 534 0341 10 | VKM64011 |
|         | 25285-3B000 | GT10300          |        |             |          |
|         | 25286-37100 | GTA0320          |        | 532 0543 10 | VKM65015 |
|         | 25286-3B001 | GT10290          |        |             |          |
|         | 25286-4A000 | GT10390          | T36253 | 532 0568 10 | VKM64012 |
|         | 25286-4A010 | GT10390          | T36253 | 532 0568 10 | VKM64012 |
|         | 25286-4A030 | GT10390          | T36253 | 532 0568 10 | VKM64012 |
|         | 25287-27000 | GTA0910          | T36206 | 532 0606 10 | VKM65019 |
|         | 25287-27001 | GTA0910          | T36206 | 532 0606 10 | VKM65019 |
|         | 25287-27400 | GTA0910          | T36206 | 532 0606 10 | VKM65019 |
|         | 25287-2A000 | GTA0070          | T36473 |             | VKM64018 |
|         | 25287-37101 | GTA0320          |        | 532 0543 10 | VKM65015 |
|         | 34810-35510 | GT10110          | T42018 | 532 0148 20 | VKM85002 |
|         | 57212-38000 | GT10360          |        |             | VKM65034 |
|         | 57212-38100 | GT10360          |        |             | VKM65034 |
|         | 57250-37320 | GT10180          |        |             |          |
|         | 57250-37330 | GT10180          |        |             |          |
|         | 57255-37510 | GT10190          |        |             |          |
|         | 97706-22061 | GTA0740          |        |             |          |



2017 TENSIONER & IDLER BEARING

| Maker   | OE No          | GMB             | GATES  | INA         | SKF      |
|---------|----------------|-----------------|--------|-------------|----------|
| HYUNDAI | 97834-22100    | GTA0720         | T36086 | 531 0832 10 | VKM65011 |
|         | 97834-29000    | GTA0720         | T36086 | 531 0832 10 | VKM65011 |
|         | 97834-29010    | GTA0720         | T36086 | 531 0832 10 | VKM65011 |
|         | 97834-2D520    | GTA0720         | T36086 | 531 0832 10 | VKM65011 |
| ISUZU   | 580001460      | GT80440         | T41014 | 531 0131 20 | VKM73600 |
|         | 586000146      | GT80440         | T41014 | 531 0131 20 | VKM73600 |
|         | 8-94100-223-0  | GT90430         |        |             |          |
|         | 8-94100-223-1  | GT90430         |        |             |          |
|         | 8-94215-197-0  | GT80250         |        | 531 0147 20 | VKM79001 |
|         | 8-94215-197-1  | GT80250         |        | 531 0147 20 | VKM79001 |
|         | 8-94362-435-0  | GT90070         |        |             |          |
|         | 8-94364-816-0  | GT90110         |        | 531 0534 20 |          |
|         | 8-94364-816-1  | GT90110         |        | 531 0534 20 |          |
|         | 8-94372202-0   | GT90520         |        |             | VKM55003 |
|         | 8-94372202-1   | GT90520         |        |             | VKM55003 |
|         | 8-94382-214-0  | GT90150         | T41196 | 531 0150 20 | VKM79002 |
|         | 8-94382-214-1  | GT90150         | T41196 | 531 0150 20 | VKM79002 |
|         | 8-94382-215-0  | GT90170         | T42173 | 532 0076 20 | VKM89003 |
|         | 8-94382-215-1  | GT90170         | T42173 | 532 0076 20 | VKM89003 |
|         | 8-94386-488-0  | GT90060         |        | 532 0396 20 |          |
|         | 8-94386-488-1  | GT90060         |        | 532 0396 20 |          |
|         | 8-94386-488-2  | GT90060         |        | 532 0396 20 |          |
|         | 8-94423-331-1  | GT80840         |        |             |          |
|         | 8-94433-820-0  | GT90170         | T42173 | 532 0076 20 | VKM89003 |
|         | 8-94433-821-0  | GT90150         | T41196 | 531 0150 20 | VKM79002 |
|         | 8-94472-349-0  | GT80620         |        | 531 0143 20 | VKM79000 |
|         | 8-94472-349-1  | GT80620         |        | 531 0143 20 | VKM79000 |
|         | 8-97116-002-0  | GT90110         |        | 531 0534 20 |          |
|         | 8-97136-256-0  | GT90115,GT90560 |        | 531 0660 20 | VKM79006 |
|         | 8-97136-256-1  | GT90115,GT90560 |        | 531 0660 20 | VKM79006 |
| JAGUAR  | C2S27005       | GTA0200         | T36125 | 532 0471 10 | VKM34031 |
|         | XS7E 19A216 BC | GTA0200         | T36125 | 532 0471 10 | VKM34031 |
|         | XS7E 19A216 BD | GTA0200         | T36125 | 532 0471 10 | VKM34031 |
| KIA     | 0JE26-12-730A  | GT20090         |        | 532 0073 20 |          |
|         | 0JE26-12-740A  | GT20100         |        | 532 0072 20 |          |
|         | 0K011-15-930A  | GTA0770         |        |             |          |
|         | 0K016-12-700   | GT20120         | T41266 | 531 0117 20 | VKM74004 |
|         | 0K016-12-700A  | GT20120         | T41266 | 531 0117 20 | VKM74004 |
|         | 0K054-12-700   | GT20130         |        | 531 0669 20 |          |
|         |                |                 |        |             |          |



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| Maker | OE No         | GMB     | GATES  | INA         | SKF      |
|-------|---------------|---------|--------|-------------|----------|
| KIA   | 0K054-12700A  | GT20130 |        | 531 0669 20 |          |
|       | 0K201-15-930  | GTA0750 |        |             |          |
|       | 0K247-12-700  | GT20140 | T41032 | 531 0670 20 | VKM74502 |
|       | 0K551-12-730A | GT40960 | T42222 | 532 0451 10 | VKM84504 |
|       | 0K551-12-740  | GT20110 |        |             |          |
|       | 0K551-27-40A  | GT40970 | T42218 | 532 0318 10 | VKM84503 |
|       | 0K552-15-983C | GTA0870 | T36389 | 532 0323 10 | VKM64014 |
|       | 0K72A-15-930  | GTA0770 |        |             |          |
|       | 0K88R-12-740  | GT40970 | T42218 | 532 0318 10 | VKM84503 |
|       | 0K88R-12-750  | GT40940 | T42220 | 532 0248 10 | VKM84506 |
|       | 0K88R-15-983  | GTA0870 | T36389 | 532 0323 10 | VKM64014 |
|       | 0K937-12-700A | GT20050 | T41031 | 531 0106 20 | VKM74201 |
|       | 0K937-12-730  | GT20060 | T42005 | 532 0068 20 | VKM84201 |
|       | 0K938-12-700  | GT20050 | T41031 | 531 0106 20 | VKM74201 |
|       | 0K938-12-730  | GT20060 | T42005 | 532 0068 20 | VKM84201 |
|       | 0K954-12-730  | GT20030 | T42004 | 532 0070 20 | VKM84601 |
|       | 0K955-12-730  | GT20030 | T42004 | 532 0070 20 | VKM84601 |
|       | 0K955-12-730A | GT20030 | T42004 | 532 0070 20 | VKM84601 |
|       | 0K95B-12-730  | GT20090 |        | 532 0073 20 |          |
|       | 0K95K-12-750  | GT90720 | T41224 | 531 0746 10 | VKM74506 |
|       | 0K972-12-700  | GT20010 | T41029 | 531 0108 20 | VKM74600 |
|       | 0K972-12-700A | GT20010 | T41029 | 531 0108 20 | VKM74600 |
|       | 0K972-12-730  | GT20030 | T42004 | 532 0070 20 | VKM84601 |
|       | 0K973-12-700  | GT20010 | T41029 | 531 0108 20 | VKM74600 |
|       | 0K973-12-700A | GT20010 | T41029 | 531 0108 20 | VKM74600 |
|       | 0K973-12-730  | GT20030 | T42004 | 532 0070 20 | VKM84601 |
|       | 0K9BV-12-730  | GT20070 |        | 532 0448 10 | VKM84502 |
|       | 0K9BV-12-780  | GT20150 |        | 531 0716 10 | VKM74504 |
|       | 0K9BV-12-790  | GT20160 |        | 531 0719 10 | VKM74503 |
|       | 24317-4X000   | GT40960 | T42222 | 532 0451 10 | VKM84504 |
|       | 24317-4X001   | GT40960 | T42222 | 532 0451 10 | VKM84504 |
|       | 25286-4X000   | GTA0870 | T36389 | 532 0323 10 | VKM64014 |
|       | 25287-2A100   | GTA0070 | T36473 |             | VKM64018 |
|       | KK151-12-700A | GT20040 | T41030 | 531 0104 20 | VKM74200 |
|       | KK151-12-700B | GT20040 | T41030 | 531 0104 20 | VKM74200 |
|       | MB63012700E   | GT20040 | T41030 | 531 0104 20 | VKM74200 |
|       | MB660-12-730C | GT20060 | T42005 | 532 0068 20 | VKM84201 |
| LADA  | 2105-1006124  | GT50930 |        |             | VKM18200 |
|       | 21081-006120  | GT60930 | T42042 | 531 0671 20 |          |

| Maker  | OE No         | GMB     | GATES  | INA         | SKF      |
|--------|---------------|---------|--------|-------------|----------|
| LADA   | 21121-006135  | GT60920 | T41101 | 532 0438 10 |          |
|        | 21215-1006120 | GT60130 | T41137 | 531 0034 10 | VKM13240 |
| LANCIA | 55183497      | GTB0480 | T43156 | 531 0778 10 | VKM12206 |
|        | 55233759      | GTB0480 | T43156 | 531 0778 10 | VKM12206 |
|        | 73503128      | GTB0470 | T43055 | 531 0414 30 | VKM12201 |
| LEXUS  | 13505-50010   | GT90090 |        | 531 0664 20 |          |
|        | 13505-50021   | GT90090 |        | 531 0664 20 |          |
|        | 13505-50022   | GT90090 |        | 531 0664 20 |          |
| MAZDA  | B66012700A~F  | GT20050 | T41031 | 531 0106 20 | VKM74201 |
|        | B660-12-730   | GT20060 | T42005 | 532 0068 20 | VKM84201 |
|        | D4FZ-6K-254A  | GT80490 |        |             |          |
|        | F805-12-700   | GT80970 | T41035 | 531 0114 10 | VKM74001 |
|        | F805-12-700A  | GT80970 | T41035 | 531 0114 10 | VKM74001 |
|        | F805-12-700C  | GT80970 | T41035 | 531 0114 10 | VKM74001 |
|        | F806-12-700   | GT80970 | T41035 | 531 0114 10 | VKM74001 |
|        | FE1H-12-700A  | GT20010 | T41029 | 531 0108 20 | VKM74600 |
|        | FE1H-12-730   | GT20020 | T42003 | 532 0069 20 | VKM84600 |
|        | FE3N-12-730   | GT20030 | T42004 | 532 0070 20 | VKM84601 |
|        | FS01-12-730A  | GT80040 | T42008 | 532 0100 20 | VKM84000 |
|        | JE15-12-730   | GT80530 |        | 532 0104 20 | VKM84007 |
|        | JE15-12-730A  | GT80530 |        | 532 0104 20 | VKM84007 |
|        | JE15-12-730C  | GT80530 |        | 532 0104 20 | VKM84007 |
|        | JE15-12-750   | GT80660 |        | 531 0666 20 | VKM74007 |
|        | JE15-12-750A  | GT80660 |        | 531 0666 20 | VKM74007 |
|        | JE26-12-730   | GT20090 |        | 532 0073 20 |          |
|        | JE26-12-730A  | GT20090 |        | 532 0073 20 |          |
|        | JE26-12-740   | GT20100 |        | 532 0072 20 |          |
|        | JE26-12-740A  | GT20100 |        | 532 0072 20 |          |
|        | JE26-12-750   | GT90100 |        | 531 0774 10 |          |
|        | JE48-12-730   | GT80870 |        | 532 0106 20 |          |
|        | JE48-12-740   | GT80880 |        | 532 0105 20 |          |
|        | JF01-12-730   | GT80530 |        | 532 0104 20 | VKM84007 |
|        | JF01-12-730A  | GT80530 |        | 532 0104 20 | VKM84007 |
|        | JF01-12-750   | GT80660 |        | 531 0666 20 | VKM74007 |
|        | JF01-12-750E  | GT80660 |        | 531 0666 20 | VKM74007 |
|        | JF01-12-750F  | GT80660 |        | 531 0666 20 | VKM74007 |
|        | KJ01-12-740   | GT90510 |        |             | VKM84606 |
|        | KJ01-12-750   | GT90500 |        |             |          |
|        | KL01-12-730   | GT80520 | T42010 | 532 0101 20 | VKM84001 |

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| Maker         | OE No           | GMB             | GATES  | INA         | SKF      |
|---------------|-----------------|-----------------|--------|-------------|----------|
| MAZDA         | KL01-12-730A    | GT80520         | T42010 | 532 0101 20 | VKM84001 |
|               | KL01-12-740     | GT80510         | T42009 | 532 0102 20 | VKM84002 |
|               | KL02 12 750     | GT80670         | T41034 | 531 0597 20 | VKM74000 |
|               | KL02-12-750A    | GT80670         | T41034 | 531 0597 20 | VKM74000 |
|               | LFH1-15-940     | GT50690         | T36263 |             | VKM64003 |
|               | LFH1-15-940A    | GT50690         | T36263 |             | VKM64003 |
|               | PE03-15-980A    | GHAT-179        |        |             | VKM64077 |
|               | R201-12-700A    | GT80450         | T41266 | 531 0117 20 | VKM74004 |
|               | R201-12-700B    | GT80450         | T41266 | 531 0117 20 | VKM74004 |
|               | R230-15-940     | GTA0550         | T38036 |             |          |
|               | RF01-12-700A    | GT90630         |        | 531 0674 20 |          |
|               | RF01-12-700B    | GT90630         |        | 531 0674 20 |          |
|               | RF03-12-720     | GT60790         | T41253 | 531 0201 20 | VKM72303 |
|               | RF2A-12-750A    | GT40920         |        |             | VKM74620 |
|               | RF2A-12-770B    | GHAT-174        | T43077 | 533 0096 10 | VKM74616 |
|               | RF5C-12-700     | GT70960         | T41290 | 531 0784 10 | VKM74607 |
|               | RF5C-12-730     | GT70970         | T42210 | 532 0386 20 | VKM84608 |
|               | RF71-12-730A    | GT60180         | T42172 | 532 0103 20 | VKM84310 |
|               | WL01-12-700     | GT60160         | T41313 | 531 0667 20 | VKM74606 |
|               | WL81-12-700     | GT70950         | T41296 | 531 0835 10 | VKM74604 |
|               | Y401-12-730     | GT30500         | T42162 | 532 0321 10 | VKM23140 |
|               | YF09-12-730     | GT60280,GTA0300 | T41233 | 532 0187 10 | VKM24213 |
|               | Z501-12-730     | GT80980         | T42116 | 532 0387 20 | VKM84604 |
|               | Z501-12-730A    | GT80980         | T42116 | 532 0387 20 | VKM84604 |
| MERCEDES-BENZ | 112 200 00 70   | GTA0230         | T38174 | 534 0114 20 | VKM38026 |
|               | 112 200 01 70   | GTA0230         | T38174 | 534 0114 20 | VKM38026 |
|               | 112 200 03 70   | GTA0230         | T38174 | 534 0114 20 | VKM38026 |
|               | 112 200 08 70   | GTA0230         | T38174 | 534 0114 20 | VKM38026 |
|               | 112 200 09 70   | GTA0230         | T38174 | 534 0114 20 | VKM38026 |
|               | 166 202 01 19   | GTA0170         | T36252 | 532 0404 30 | VKM38130 |
|               | 166 202 02 19   | GTA0080         | T36183 | 531 0677 30 | VKM38123 |
|               | 166 202 04 19   | GTA0170         | T36252 | 532 0404 30 | VKM38130 |
|               | 166 202 05 19   | GTA0080         | T36183 | 531 0677 30 | VKM38123 |
|               | 166 202 06 19   | GTA0080         | T36183 | 531 0677 30 | VKM38123 |
|               | 266 202 00 19   | GTA0170         | T36252 | 532 0404 30 | VKM38130 |
|               | 640 202 04 19   | GTA0160         | T38429 | 532 0667 10 | VKM38131 |
|               | 668 202 02 19   | GTA0080         | T36183 | 531 0677 30 | VKM38123 |
|               | 668 202 05 19   | GTA0170         | T36252 | 532 0404 30 | VKM38130 |
| MINI          | 11 31 7 805 961 | GT30500         | T42162 | 532 0321 10 | VKM23140 |

| Maker      | OE No       | GMB             | GATES  | INA         | SKF      |
|------------|-------------|-----------------|--------|-------------|----------|
| MITSUBISHI | 1145A020    | GT40950         | T41316 | 531 0834 10 | VKM75676 |
|            | 1145A020V1T | GT40950         | T41316 | 531 0834 10 | VKM75676 |
|            | 1145A031    | GHAT-173        | T43185 | 533 0113 10 | VKM75678 |
|            | 1145A031VT  | GHAT-173        | T43185 | 533 0113 10 | VKM75678 |
|            | 1145A078    | GT70930         | T42226 | 532 0599 10 | VKM85156 |
|            | 1145A079    | GT40950         | T41316 | 531 0834 10 | VKM75676 |
|            | 1341A001    | GTA0160         | T38429 | 532 0667 10 | VKM38131 |
|            | BW940138    | GTA0990         |        |             |          |
|            | BW940162    | GTA0980         |        |             |          |
|            | M343741     | GT60100         | T41157 | 531 0061 10 | VKM16101 |
|            | M855992     | GT60110         | T42088 | 532 0237 10 | VKM26101 |
|            | M855993     | GT60100         | T41157 | 531 0061 10 | VKM16101 |
|            | M883834     | GT70770         | T36176 | 532 0243 10 | VKM36031 |
|            | MD008965    | GT80890         |        | 531 0228 20 | VKM75101 |
|            | MD009650    | GT80950         |        | 531 0229 20 | VKM75119 |
|            | MD011536    | GT10031         | T41043 | 531 0124 20 | VKM75033 |
|            | MD012587    | GT90220         | T42154 | 532 0130 20 | VKM85140 |
|            | MD030605    | GT10010         | T41042 | 531 0119 20 | VKM75100 |
|            | MD040754    | GT80480         | T41053 | 531 0123 20 | VKM75113 |
|            | MD050125    | GT10130         | T42130 | 531 0231 20 | VKM75612 |
|            | MD050135    | GT10140         | T42129 | 531 0232 20 | VKM75601 |
|            | MD102451    | GT10090         | T39245 | 532 0381 20 | VKM65004 |
|            | MD104575    | GT10080         | T41048 | 531 0125 20 | VKM75004 |
|            | MD109958    | GT80900         | T41056 | 531 0234 20 | VKM75108 |
|            | MD114691    | GT80060         |        |             |          |
|            | MD115976    | GT10070         | T41047 | 531 0121 20 | VKM75044 |
|            | MD120266    | GT80200         |        |             |          |
|            | MD121993    | GT10050         | T42017 | 532 0074 20 | VKM85000 |
|            | MD128765    | GT10040         | T41045 | 531 0235 20 | VKM75008 |
|            | MD129033    | GT10032         | T41044 | 531 0236 20 | VKM75130 |
|            | MD129355    | GT60470         | T41046 | 531 0120 20 | VKM75144 |
|            | MD134281    | GT90330         |        |             |          |
|            | MD140071    | GT10100         | T41039 | 531 0051 20 | VKM75000 |
|            | MD146186    | GT80090         | T41051 | 531 0194 20 | VKM75001 |
|            | MD146486    | GT80090         | T41051 | 531 0194 20 | VKM75001 |
|            | MD148876    | GT60190         |        |             |          |
|            | MD169592    | GT50550,GT70320 | T41271 | 531 0196 20 | VKM75009 |
|            | MD175375    | GT80400         | T41052 | 531 0195 20 | VKM75002 |
|            | MD179597    | GT60170         | T42155 | 532 0055 20 | VKM85141 |

Cross Reference (OE > GMB)

| Maker      | OE No        | GMB     | GATES  | INA         | SKF      |
|------------|--------------|---------|--------|-------------|----------|
| MITSUBISHI | MD182537     | GT80800 | T41054 | 531 0193 20 | VKM75064 |
|            | MD185544     | GT90700 | T41038 | 531 0382 20 | VKM75613 |
|            | MD192068     | GT90700 | T41038 | 531 0382 20 | VKM75613 |
|            | MD195998     | GT90320 |        |             |          |
|            | MD195999     | GT60250 |        |             |          |
|            | MD309783     | GT60450 |        |             |          |
|            | MD310150     | GT60460 |        |             |          |
|            | MD313329     | GT60200 |        |             |          |
|            | MD315265     | GT80400 | T41052 | 531 0195 20 | VKM75002 |
|            | MD318872     | GT60060 |        |             | VKM65062 |
|            | MD320174     | GT90550 | T41212 | 531 0347 20 | VKM75616 |
|            | MD329625     | GT10140 | T42129 | 531 0232 20 | VKM75601 |
|            | MD329976     | GT80990 | T41211 | 531 0341 20 | VKM75615 |
|            | MD343741     | GT60100 | T41157 | 531 0061 10 | VKM16101 |
|            | MD347432     | GT90680 |        |             |          |
|            | MD350488     | GT90640 |        |             |          |
|            | MD351829     | GT90650 |        |             |          |
|            | MD354223     | GT90690 |        |             |          |
|            | MD356509     | GT60030 | T41244 | 531 0672 20 | VKM75625 |
|            | MD362028     | GT60060 |        |             | VKM65062 |
|            | MD374877     | GT60040 | T36415 | 532 0693 10 | VKM65010 |
|            | MD855993     | GT60100 | T41157 | 531 0061 10 | VKM16101 |
|            | MN137247     | GT60050 | T42230 | 531 0860 10 | VKM75675 |
|            | MN137248     | GT60480 | T42231 | 532 0674 10 | VKM85152 |
|            | MN176844     | GT70930 | T42226 | 532 0599 10 | VKM85156 |
|            | MN176844V1T  | GT70930 | T42226 | 532 0599 10 | VKM85156 |
|            | MW 3062 3983 | GTA0050 | T36084 | 532 0364 20 | VKM36038 |
|            | MW 3063 8631 | GTA0050 | T36084 | 532 0364 20 | VKM36038 |
|            | MW30621261   | GT60110 | T42088 | 532 0237 10 | VKM26101 |
|            | MW30623983   | GT70770 | T36176 | 532 0243 10 | VKM36031 |
|            | PW811497     | GT60370 |        |             |          |
| NISSAN     | 11752-2W200  | GHAT-02 |        |             | VKM61072 |
|            | 11752-2W202  | GHAT-02 |        |             | VKM61072 |
|            | 11752-2W203  | GHAT-02 |        |             | VKM61072 |
|            | 11752-2W20A  | GHAT-02 |        |             | VKM61072 |
|            | 11925-00QAF  | GT70770 | T36176 | 532 0243 10 | VKM36031 |
|            | 11927-00QAA  | GT70770 | T36176 | 532 0243 10 | VKM36031 |
|            | 13070-00QAA  | GT30510 | T41237 | 532 0221 10 | VKM26020 |
|            | 13070-00QAD  | GTB0420 | T43117 | 531 0548 10 | VKM16503 |

| Maker  | OE No       | GMB     | GATES  | INA         | SKF      |
|--------|-------------|---------|--------|-------------|----------|
| NISSAN | 13070-00QAE | GTB0420 | T43117 | 531 0548 10 | VKM16503 |
|        | 13070-01B00 | GT80780 | T41190 | 531 0220 20 | VKM72400 |
|        | 13070-01B01 | GT80780 | T41190 | 531 0220 20 | VKM72400 |
|        | 13070-01M00 | GT80110 | T41058 | 531 0208 20 | VKM72000 |
|        | 13070-05E00 | GT80770 | T41189 | 531 0212 20 | VKM72320 |
|        | 13070-05E10 | GT80770 | T41189 | 531 0212 20 | VKM72320 |
|        | 13070-16A10 | GT60790 | T41253 | 531 0201 20 | VKM72303 |
|        | 13070-24B00 | GT80780 | T41190 | 531 0220 20 | VKM72400 |
|        | 13070-2J600 | GT80760 | T41254 | 531 0138 20 | VKM72310 |
|        | 13070-42L00 | GT80340 |        | 531 0214 20 | VKM72004 |
|        | 13070-57J00 | GT80760 | T41254 | 531 0138 20 | VKM72310 |
|        | 13070-57J01 | GT80760 | T41254 | 531 0138 20 | VKM72310 |
|        | 13070-57J10 | GT80760 | T41254 | 531 0138 20 | VKM72310 |
|        | 13070-5L300 | GT90600 |        |             |          |
|        | 13070-6F900 | GT50520 | T41130 | 531 0031 10 | VKM13120 |
|        | 13070-73L00 | GT90600 |        |             |          |
|        | 13070-D0100 | GT90890 | T41088 | 531 0209 20 | VKM72200 |
|        | 13070-D4200 | GT90900 | T41187 | 531 0211 20 | VKM72100 |
|        | 13070-V5001 | GT80340 |        | 531 0214 20 | VKM72004 |
|        | 13070-V7201 | GT80790 | T41191 | 531 0219 20 | VKM72500 |
|        | 13074-05E00 | GT80740 | T42106 | 532 0113 20 | VKM82320 |
|        | 13077-00Q0A | GTB0320 | T43126 | 531 0404 10 | VKM16002 |
|        | 13077-00Q0B | GTB0320 | T43126 | 531 0404 10 | VKM16002 |
|        | 13077-00QAA | GT30520 | T42169 | 532 0313 20 | VKM26503 |
|        | 13077-00QAD | GT90180 | T41154 | 531 0055 10 | VKM16000 |
|        | 13077-00QAF | GT60090 | T41155 | 531 0818 10 | VKM16003 |
|        | 13077-00QAG | GTB0320 | T43126 | 531 0404 10 | VKM16002 |
|        | 13077-00QAJ | GT60090 | T41155 | 531 0818 10 | VKM16003 |
|        | 13077-00QAL | GTB0320 | T43126 | 531 0404 10 | VKM16002 |
|        | 13077-45V00 | GT80930 |        | 532 0117 20 |          |
|        | 13077-54A00 | GT80810 | T42105 | 532 0110 20 | VKM82302 |
|        | 13077-F6200 | GT80930 |        | 532 0117 20 |          |
|        | 13077-F6510 | GT80920 |        | 532 0118 20 |          |
|        | 13077-F6511 | GT80910 |        | 531 0638 20 |          |
|        | 13077-F6512 | GT80930 |        | 532 0117 20 |          |
|        | 13077-V7200 | GT90160 | T42107 | 532 0115 20 | VKM82500 |
|        | 13077-V7202 | GT90160 | T42107 | 532 0115 20 | VKM82500 |
|        | 16806-00QAV | GT60090 | T41155 | 531 0818 10 | VKM16003 |
|        | 16806-00QBA | GT60090 | T41155 | 531 0818 10 | VKM16003 |

Cross Reference (OE > GMB)

| Maker | OE No    | GMB             | GATES  | INA         | SKF      |
|-------|----------|-----------------|--------|-------------|----------|
| OPEL  | 614649   | GT90060         |        | 532 0396 20 |          |
|       | 636279   | GTB0470         | T43055 | 531 0414 30 | VKM12201 |
|       | 636383   | GT90150         | T41196 | 531 0150 20 | VKM79002 |
|       | 636415   | GT90540         | T42084 | 532 0039 10 | VKM25212 |
|       | 636731   | GT90230         | T41151 | 531 0052 20 | VKM15210 |
|       | 636735   | GT90310         | T41261 | 531 0242 20 | VKM15213 |
|       | 636741   | GT90200         | T41257 | 531 0166 20 | VKM15215 |
|       | 636742   | GT90230         | T41151 | 531 0052 20 | VKM15210 |
|       | 636745   | GT90200         | T41257 | 531 0166 20 | VKM15215 |
|       | 815971   | GT90170         | T42173 | 532 0076 20 | VKM89003 |
|       | 1340268  | GTA0240         | T38433 | 534 0147 10 | VKM35260 |
|       | 1340534  | GTA0090         | T38154 | 534 0118 20 | VKM35009 |
|       | 1340541  | GTA0090         | T38154 | 534 0118 20 | VKM35009 |
|       | 4400204  | GT60530         | T41234 | 531 0557 10 | VKM22380 |
|       | 4401430  | GTB0420         | T43117 | 531 0548 10 | VKM16503 |
|       | 4410595  | GT70770         | T36176 | 532 0243 10 | VKM36031 |
|       | 4418672  | GTB0420         | T43117 | 531 0548 10 | VKM16503 |
|       | 4421906  | GT60530         | T41234 | 531 0557 10 | VKM22380 |
|       | 4506090  | GTB0420         | T43117 | 531 0548 10 | VKM16503 |
|       | 4805183  | GTA0930         | T36388 |             | VKM60004 |
|       | 5636384  | GTB0510         |        | 531 0679 30 | VKM15140 |
|       | 5636425  | GT90540         | T42084 | 532 0039 10 | VKM25212 |
|       | 5636455  | GT30540         | T42077 | 532 0033 10 | VKM25158 |
|       | 5636724  | GT90200         | T41257 | 531 0166 20 | VKM15215 |
|       | 5636734  | GT90115,GT90560 |        | 531 0660 20 | VKM79006 |
|       | 5636746  | GTB0510         |        | 531 0679 30 | VKM15140 |
|       | 08966821 | GT70410         |        | 531 0344 10 |          |
|       | 09275148 | GT70410         |        | 531 0344 10 |          |
|       | 4402632  | GT50620         | T42091 | 532 0322 10 | VKM26128 |
|       | 4402690  | GT60110         | T42088 | 532 0237 10 | VKM26101 |
|       | 4403270  | GT60110         | T42088 | 532 0237 10 | VKM26101 |
|       | 4506092  | GT30520         | T42169 | 532 0313 20 | VKM26503 |
|       | 52251292 | GT70490         |        | 531 0324 10 |          |
|       | 55350422 | GTA0240         | T38433 | 534 0147 10 | VKM35260 |
|       | 55350580 | GT30540         | T42077 | 532 0033 10 | VKM25158 |
|       | 55563512 | GTA0240         | T38433 | 534 0147 10 | VKM35260 |
|       | 636405   | GT90110         |        | 531 0534 20 |          |
|       | 636416   | GT60580         | T42085 | 532 0040 10 | VKM25213 |
|       | 636721   | GT90110         |        | 531 0534 20 |          |

| Maker            | OE No    | GMB             | GATES  | INA         | SKF      |
|------------------|----------|-----------------|--------|-------------|----------|
| OPEL             | 90411773 | GT60580         | T42085 | 532 0040 10 | VKM25213 |
|                  | 9110632  | GT50620         | T42091 | 532 0322 10 | VKM26128 |
|                  | 9110690  | GT60110         | T42088 | 532 0237 10 | VKM26101 |
|                  | 9157962  | GTA0490         |        |             |          |
|                  | 9201540  | GT30520         | T42169 | 532 0313 20 | VKM26503 |
|                  | 92049003 | GTA0440         |        |             |          |
|                  | 93160779 | GTA0050         | T36084 | 532 0364 20 | VKM36038 |
|                  | 93161273 | GTA0050         | T36084 | 532 0364 20 | VKM36038 |
|                  | 94149432 | GT90230         | T41151 | 531 0052 20 | VKM15210 |
|                  | 94215197 | GT80250         |        | 531 0147 20 | VKM79001 |
|                  | 94382215 | GT90170         | T42173 | 532 0076 20 | VKM89003 |
|                  | 94386488 | GT90060         |        | 532 0396 20 |          |
|                  | 94433821 | GT90150         | T41196 | 531 0150 20 | VKM79002 |
|                  | 94472349 | GT80620         |        | 531 0143 20 | VKM79000 |
|                  | 95512799 | GTB0470         | T43055 | 531 0414 30 | VKM12201 |
|                  | 97010530 | GT90310         | T41261 | 531 0242 20 | VKM15213 |
|                  | 97112438 | GT90200         | T41257 | 531 0166 20 | VKM15215 |
|                  | 97112439 | GT90230         | T41151 | 531 0052 20 | VKM15210 |
|                  | 97114552 | GT90200         | T41257 | 531 0166 20 | VKM15215 |
|                  | 97136256 | GT90115,GT90560 |        | 531 0660 20 | VKM79006 |
| OPEL<br>VAUXHALL | 636726   | GTB0050         | T43040 | 531 0054 30 | VKM15202 |
|                  | 636727   | GTB0040         | T43053 | 531 0273 30 | VKM15402 |
|                  | 636737   | GTB0050         | T43040 | 531 0054 30 | VKM15202 |
|                  | 636746   | GTB0040         | T43053 | 531 0273 30 | VKM15402 |
|                  | 1340536  | GTA0390         | T38343 | 534 0134 30 | VKM35500 |
|                  | 1340547  | GTA0390         | T38343 | 534 0134 30 | VKM35500 |
|                  | 4449588  | GTB0250         | T43035 | 531 0630 30 | VKM16550 |
|                  | 4805176  | GTC0020         | T42304 | 532 0547 10 | VKM25701 |
|                  | 5636738  | GTB0050         | T43040 | 531 0054 30 | VKM15202 |
|                  | 6340538  | GTA0390         | T38343 | 534 0134 30 | VKM35500 |
|                  | 09128516 | GTB0030         | T43060 | 531 0518 30 | VKM15216 |
|                  | 09128656 | GTB0030         | T43060 | 531 0518 30 | VKM15216 |
|                  | 55353810 | GTB0510         |        | 531 0679 30 | VKM15140 |
|                  | 5636429  | GTB0040         | T43053 | 531 0273 30 | VKM15402 |
|                  | 90353176 | GTB0020         | T43038 | 531 0101 30 | VKM15121 |
|                  | 90409783 | GTA0390         | T38343 | 534 0134 30 | VKM35500 |
|                  | 90412783 | GTB0030         | T43060 | 531 0518 30 | VKM15216 |
|                  | 90498401 | GTB0020         | T43038 | 531 0101 30 | VKM15121 |
|                  | 90499401 | GTB0020         | T43038 | 531 0101 30 | VKM15121 |

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| Maker            | OE No         | GMB     | GATES  | INA         | SKF               |
|------------------|---------------|---------|--------|-------------|-------------------|
| OPEL<br>VAUXHALL | 90528760      | GTA0390 | T38343 | 534 0134 30 | VKM35500          |
|                  | 90530124      | GTB0040 | T43053 | 531 0273 30 | VKM15402          |
|                  | 90570525      | GTB0020 | T43038 | 531 0101 30 | VKM15121          |
|                  | 9158003       | GTB0040 | T43053 | 531 0273 30 | VKM15402          |
|                  | 9202478       | GTB0020 | T43038 | 531 0101 30 | VKM15121          |
|                  | 92065368      | GTB0510 |        | 531 0679 30 | VKM15140          |
|                  | 93198653      | GTB0250 | T43035 | 531 0630 30 | VKM16550          |
|                  | 96440326      | GTC0020 | T42304 | 532 0547 10 | VKM25701          |
| PEUGEOT          | K-914561428A  | GTB0720 |        |             |                   |
| PROTON           | PW812717      | GTB0350 |        |             |                   |
| RENAULT          | 13 07 011 92R | GTB0160 | T43236 |             | VKM16022          |
|                  | 13 07 015 64R | GTB0320 | T43126 | 531 0404 10 | VKM16002          |
|                  | 74 38 630 590 | GT50600 | T42097 | 532 0317 10 | VKM26602          |
|                  | 74 39 146 376 | GT50600 | T42097 | 532 0317 10 | VKM26602          |
|                  | 74 39 146 377 | GT50600 | T42097 | 532 0317 10 | VKM26602          |
|                  | 77 00 107 150 | GT30510 | T41237 | 532 0221 10 | VKM26020          |
|                  | 77 00 107 249 | GT50540 | T41236 | 532 0220 10 | VKM26125          |
|                  | 77 00 108 626 | GTA0280 | T42167 | 532 0308 10 | VKM26310          |
|                  | 77 00 108 920 | GTB0250 | T43035 | 531 0630 30 | VKM16550          |
|                  | 77 00 114 860 | GTB0250 | T43035 | 531 0630 30 | VKM16550          |
|                  | 77 00 116 050 | GT60490 | T42089 | 532 0238 10 | VKM26102          |
|                  | 77 00 116 054 | GT50620 | T42091 | 532 0322 10 | VKM26128          |
|                  | 77 00 665 224 | GT80270 |        | 531 0069 10 |                   |
|                  | 77 00 722 452 | GT50580 | T41163 | 531 0250 10 | VKM16212          |
|                  | 77 00 722 452 | GT80270 |        | 531 0069 10 |                   |
|                  | 77 00 733 489 | GT60490 | T42089 | 532 0238 10 | VKM26102          |
|                  | 77 00 736 085 | GT90180 | T41154 | 531 0055 10 | VKM16000          |
|                  | 77 00 852 114 | GT50580 | T41163 | 531 0250 10 | VKM16212          |
|                  | 77 00 852 114 | GT80270 |        | 531 0069 10 |                   |
|                  | 77 00 863 111 | GT60490 | T42089 | 532 0238 10 | VKM26102          |
|                  | 77 00 870 495 | GTA0340 | T39063 | 534 0163 10 | VKM36082          |
|                  | 77 00 871 169 | GT50580 | T41163 | 531 0250 10 | VKM16212          |
|                  | 77 01 472 726 | GT90180 | T41154 | 531 0055 10 | VKM16000          |
|                  | 82 00 004 593 | GT30520 | T42169 | 532 0313 20 | VKM26503          |
|                  | 82 00 048 486 | GTA0370 | T39009 | 534 0141 30 | VKM36050,VKM36058 |
|                  | 82 00 051 092 | GT60490 | T42089 | 532 0238 10 | VKM26102          |
|                  | 82 00 061 345 | GTB0250 | T43035 | 531 0630 30 | VKM16550          |
|                  | 82 00 102 941 | GTB0100 | T43014 | 531 0547 10 | VKM16102          |
|                  | 82 00 211 784 | GT60090 | T41155 | 531 0818 10 | VKM16003          |

| Maker             | OE No          | GMB                      | GATES  | INA         | SKF               |
|-------------------|----------------|--------------------------|--------|-------------|-------------------|
| RENAULT           | 82 00 275 844  | GTA0370                  | T39009 | 534 0141 30 | VKM36050,VKM36058 |
|                   | 82 00 420 959  | GT60490                  | T42089 | 532 0238 10 | VKM26102          |
|                   | 82 00 483 288  | GTA0280                  | T42167 | 532 0308 10 | VKM26310          |
|                   | 82 00 585 574  | GTB0100                  | T43014 | 531 0547 10 | VKM16102          |
|                   | 82 01 058 069  | GT30510                  | T41237 | 532 0221 10 | VKM26020          |
|                   |                |                          |        |             |                   |
| RENAULT<br>NISSAN | 11 95 500 QAG  | GTA0370                  | T39009 | 534 0141 30 | VKM36050,VKM36058 |
|                   | 11 95 5BN 701  | GTA0370                  | T39009 | 534 0141 30 | VKM36050,VKM36058 |
|                   | 11 95 5BN 703  | GTA0370                  | T39009 | 534 0141 30 | VKM36050,VKM36058 |
|                   | 11 95 5ET 00A  | GTA0570                  | T39162 | 534 0442 10 | VKM62025          |
|                   | 11 95 5JD 20A  | GTA0570                  | T39162 | 534 0442 10 | VKM62025          |
| ROVER             | 11 95 5JD 21A  | GTA0570                  | T39162 | 534 0442 10 | VKM62025          |
|                   | DBP 9291       | GT80590                  | T41017 | 531 0135 20 | VKM73101          |
|                   | FDU 2691       | GT80100                  | T41011 | 531 0268 20 | VKM73000          |
|                   | LHP 100480     | GT80390                  | T41013 | 531 0132 20 | VKM73011          |
|                   | LHP 100490     | GT80390                  | T41013 | 531 0132 20 | VKM73011          |
|                   | LHP100070      | GT50590                  | T42069 | 532 0022 10 | VKM23241          |
|                   | LHP10009       | GT60140                  | T42068 | 532 0316 10 | VKM23240          |
|                   | LHP10010       | GT60130                  | T41137 | 531 0034 10 | VKM13240          |
|                   | LHP100590      | GT50570                  | T41138 | 531 0048 10 | VKM13241          |
|                   | XHM 461        | GT80550                  | T41015 | 531 0141 20 | VKM73001          |
| SSANGYONG         | A162-200-30-70 | GT50010,GT50030          |        |             |                   |
| SUBARU            | 13033-AA001    | GHAT-147,GT90840,GT90845 | T43137 | 531 0655 20 | VKM78005          |
|                   | 13033-AA002    | GHAT-147,GT90840,GT90845 | T43137 | 531 0655 20 | VKM78005          |
|                   | 13033-AA040    | GHAT-147,GT90840,GT90845 | T43137 | 531 0655 20 | VKM78005          |
|                   | 13033-AA041    | GHAT-147,GT90840,GT90845 | T43137 | 531 0655 20 | VKM78005          |
|                   | 13033-AA042    | GHAT-147,GT90840,GT90845 | T43137 | 531 0655 20 | VKM78005          |
|                   | 13069-AA034    | GT90080                  | T41063 | 531 0163 20 | VKM78000          |
|                   | 13069-AA035    | GT90080                  | T41063 | 531 0163 20 | VKM78000          |
|                   | 13069-AA036    | GT90080                  | T41063 | 531 0163 20 | VKM78000          |
|                   | 13069-AA037    | GT90080                  | T41063 | 531 0163 20 | VKM78000          |
|                   | 13069-AA060    | GT90085                  |        | 531 0662 20 | VKM78003          |
|                   | 13069-AA061    | GT90085                  |        | 531 0662 20 | VKM78003          |
|                   | 13069-AA062    | GT90085                  |        | 531 0662 20 | VKM78003          |
|                   | 13069-AA063    | GT90085                  |        | 531 0662 20 | VKM78003          |
|                   | 13069-AA070    | GT90470                  |        | 531 0649 20 |                   |
|                   | 13070-AA000    | GT80560                  |        | 531 0165 20 | VKM78002          |
|                   | 13070-AA001    | GT80560                  |        | 531 0165 20 | VKM78002          |
|                   | 13070-KA020    | GT80050                  |        | 531 0384 20 | VKM78105          |
|                   | 13070-KA071    | GT90290                  |        |             | VKM78004          |



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| Maker  | OE No       | GMB             | GATES  | INA         | SKF      |
|--------|-------------|-----------------|--------|-------------|----------|
| SUBARU | 13070-KA072 | GT90290         |        |             | VKM78004 |
|        | 13070-KA101 | GT90660         |        |             |          |
|        | 13071-AA001 | GT80570         |        | 531 0164 20 | VKM78001 |
|        | 13071-AA002 | GT80570         |        | 531 0164 20 | VKM78001 |
|        | 13073-AA000 | GT80690         |        | 532 0086 20 | VKM88002 |
|        | 13073-AA081 | GT90020,GT90280 | T42039 | 532 0084 20 | VKM88000 |
|        | 13073-AA082 | GT90020,GT90280 | T42039 | 532 0084 20 | VKM88000 |
|        | 13073-AA140 | GT90020,GT90280 | T42039 | 532 0084 20 | VKM88000 |
|        | 13073-AA142 | GT90020,GT90280 | T42039 | 532 0084 20 | VKM88000 |
|        | 13073-AA150 | GT90480         |        | 532 0385 20 |          |
|        | 13073-AA180 | GT90020,GT90280 | T42039 | 532 0084 20 | VKM88000 |
|        | 13073-AA190 | GT90740         | T41226 | 532 0389 20 | VKM88004 |
|        | 13073-AA200 | GT60270         | T41225 | 532 0383 20 | VKM88007 |
|        | 13073-AA220 | GT40990         | T41239 | 532 0403 20 | VKM88008 |
|        | 13073-AA230 | GT40990         | T41239 | 532 0403 20 | VKM88008 |
|        | 13085-AA010 | GT90130         | T42024 | 532 0085 20 | VKM88001 |
|        | 13085-AA020 | GT90490         |        | 532 0384 20 |          |
|        | 13085-AA070 | GT90130         | T42024 | 532 0085 20 | VKM88001 |
|        | 13085-AA080 | GT90130         | T42024 | 532 0085 20 | VKM88001 |
|        | 13085-AA100 | GT90130         | T42024 | 532 0085 20 | VKM88001 |
|        | 41045-54000 | GT80190         |        |             |          |
|        | 73014-AA010 | GT90970         |        |             | VKM68000 |
| SUZUKI | 12810-53A00 | GT80080         |        |             | VKM76103 |
|        | 12810-53A00 | GT80120         |        | 531 0530 20 |          |
|        | 12810-53B00 | GT80940         | T41305 | 531 0170 20 | VKM76200 |
|        | 12810-53B01 | GT80940         | T41305 | 531 0170 20 | VKM76200 |
|        | 12810-70B03 | GT60230         |        |             |          |
|        | 12810-71C00 | GT80640         | T41065 | 531 0169 20 | VKM76001 |
|        | 12810-71C01 | GT80640         | T41065 | 531 0169 20 | VKM76001 |
|        | 12810-71C02 | GT80640         | T41065 | 531 0169 20 | VKM76001 |
|        | 12810-73002 | GT80080         |        |             | VKM76103 |
|        | 12810-73002 | GT80120         |        | 531 0530 20 |          |
|        | 12810-73003 | GT80080         |        |             | VKM76103 |
|        | 12810-73003 | GT80120         |        | 531 0530 20 |          |
|        | 12810-76G00 | GT90610         | T41319 | 531 0855 10 | VKM76204 |
|        | 12810-76G70 | GT60670         |        |             |          |
|        | 12810-78E00 | GT90630         |        | 531 0674 20 |          |
|        | 12810-81400 | GT90580         | T41267 | 531 0112 20 | VKM76102 |
|        | 12810-81401 | GT90580         | T41267 | 531 0112 20 | VKM76102 |



2017 TENSIONER & IDLER BEARING

| Maker  | OE No           | GMB             | GATES  | INA         | SKF      |
|--------|-----------------|-----------------|--------|-------------|----------|
| SUZUKI | 12810-81401-000 | GT90580         | T41267 | 531 0112 20 | VKM76102 |
|        | 12810-82001     | GT80320         | T41064 | 531 0167 20 | VKM76202 |
|        | 12810-82002     | GT80320         | T41064 | 531 0167 20 | VKM76202 |
|        | 12810-82003     | GT80320         | T41064 | 531 0167 20 | VKM76202 |
|        | 12810-83C00     | GT90620         |        |             |          |
|        | 12810-84000     | GT80080         |        |             | VKM76103 |
|        | 12810-84000     | GT80120         |        | 531 0530 20 |          |
|        | 12810-84001     | GT80080         |        |             | VKM76103 |
|        | 12810-84001     | GT80120         |        | 531 0530 20 |          |
|        | 12810-86500     | GT80310         | T41009 | 531 0168 20 | VKM76203 |
|        | 12810-86501     | GT80310         | T41009 | 531 0168 20 | VKM76203 |
|        | 12810-M76G00    | GT90610         | T41319 | 531 0855 10 | VKM76204 |
|        | 12810-M76G10    | GT90610         | T41319 | 531 0855 10 | VKM76204 |
|        | 35339-86CA0     | GT50560         | T36059 | 531 0097 10 | VKM33002 |
|        | 95131-67J11     | GT30600         | T36480 | 532 0622 10 | VKM66030 |
| TOYOTA | 13503-10011     | GT80730         | T42102 | 532 0095 20 | VKM81201 |
|        | 13503-10021     | GT80730         | T42102 | 532 0095 20 | VKM81201 |
|        | 13503-11010     | GT80350         |        | 532 0099 20 |          |
|        | 13503-11030     | GT80380         | T42029 | 532 0096 20 | VKM81400 |
|        | 13503-11040     | GT80380         | T42029 | 532 0096 20 | VKM81400 |
|        | 13503-27010     | GT70330         | T42192 | 532 0379 20 | VKM81204 |
|        | 13503-50010     | GT90050         | T42031 | 532 0372 20 | VKM81005 |
|        | 13503-50011     | GT90050         | T42031 | 532 0372 20 | VKM81005 |
|        | 13503-54010     | GT80150         | T42026 | 532 0090 20 | VKM81001 |
|        | 13503-54020     | GT80150         | T42026 | 532 0090 20 | VKM81001 |
|        | 13503-54030     | GT80720         | T42100 | 532 0098 20 | VKM81002 |
|        | 13503-62010     | GT80540         | T42030 | 532 0092 20 | VKM81000 |
|        | 13503-62030     | GT80540         | T42030 | 532 0092 20 | VKM81000 |
|        | 13503-62040     | GT90460         | T42156 | 532 0390 20 | VKM81401 |
|        | 13503-63010     | GT80030         | T42025 | 532 0091 20 | VKM81004 |
|        | 13503-63011     | GT80030         | T42025 | 532 0091 20 | VKM81004 |
|        | 13503-63020     | GT80030         | T42025 | 532 0091 20 | VKM81004 |
|        | 13503-63021     | GT80030         | T42025 | 532 0091 20 | VKM81004 |
|        | 13503-64010     | GT80330         | T42027 | 532 0081 20 | VKM81100 |
|        | 13503-64011     | GT80330         | T42027 | 532 0081 20 | VKM81100 |
|        | 13503-64012     | GT80330         | T42027 | 532 0081 20 | VKM81100 |
|        | 13503-64020     | GT80330,GT90240 | T42027 | 532 0081 20 | VKM81100 |
|        | 13503-64021     | GT90240         | T42027 | 532 0081 20 | VKM81100 |
|        | 13503-65010     | GT90440         |        | 532 0356 10 | VKM81007 |

Cross Reference (OE > GMB)

| Maker  | OE No       | GMB     | GATES  | INA         | SKF      |
|--------|-------------|---------|--------|-------------|----------|
| TOYOTA | 13503-70040 | GT80030 | T42025 | 532 0091 20 | VKM81004 |
|        | 13503-70051 | GT90250 |        | 532 0097 20 |          |
|        | 13503-70060 | GT90250 |        | 532 0097 20 |          |
|        | 13503-70061 | GT90250 |        | 532 0097 20 |          |
|        | 13503-70070 | GT90250 |        | 532 0097 20 |          |
|        | 13503-70080 | GT90250 |        | 532 0097 20 |          |
|        | 13505-02020 | GT80630 | T41074 | 531 0180 20 | VKM71401 |
|        | 13505-02030 | GT80430 | T41072 | 531 0181 20 | VKM71007 |
|        | 13505-0A010 | GT60620 | T41302 |             | VKM71304 |
|        | 13505-0L010 | GT90210 | T41183 | 531 0215 20 | VKM71014 |
|        | 13505-10010 | GT60290 | T41185 | 531 0185 20 | VKM71200 |
|        | 13505-11010 | GT80700 | T41076 | 531 0186 20 | VKM71201 |
|        | 13505-11011 | GT80700 | T41076 | 531 0186 20 | VKM71201 |
|        | 13505-11020 | GT80700 | T41076 | 531 0186 20 | VKM71201 |
|        | 13505-11040 | GT80420 | T41071 | 531 0187 20 | VKM71400 |
|        | 13505-11050 | GT80420 | T41071 | 531 0187 20 | VKM71400 |
|        | 13505-15041 | GT80010 | T41066 | 531 0179 20 | VKM71202 |
|        | 13505-15050 | GT80430 | T41072 | 531 0181 20 | VKM71007 |
|        | 13505-15060 | GT80430 | T41072 | 531 0181 20 | VKM71007 |
|        | 13505-16010 | GT80630 | T41074 | 531 0180 20 | VKM71401 |
|        | 13505-16011 | GT80630 | T41074 | 531 0180 20 | VKM71401 |
|        | 13505-16020 | GT80630 | T41074 | 531 0180 20 | VKM71401 |
|        | 13505-16021 | GT80630 | T41074 | 531 0180 20 | VKM71401 |
|        | 13505-17020 | GT90590 | T41249 | 531 0640 20 | VKM71704 |
|        | 13505-20010 | GT80680 | T41263 | 531 0177 20 | VKM71004 |
|        | 13505-20020 | GT80680 | T41263 | 531 0177 20 | VKM71004 |
|        | 13505-20040 | GT60630 |        |             | VKM71801 |
|        | 13505-27010 | GT60760 | T41280 | 531 0643 20 | VKM71303 |
|        | 13505-42010 | GT90800 |        | 531 0190 20 | VKM71700 |
|        | 13505-42020 | GT90800 |        | 531 0190 20 | VKM71700 |
|        | 13505-43010 | GT80360 |        | 531 0184 20 |          |
|        | 13505-43020 | GT80360 |        | 531 0184 20 |          |
|        | 13505-46020 | GT90590 | T41249 | 531 0640 20 | VKM71704 |
|        | 13505-46041 | GT90830 |        | 531 0192 20 | VKM71010 |
|        | 13505-46070 | GT90590 | T41249 | 531 0640 20 | VKM71704 |
|        | 13505-54010 | GT80140 | T41068 | 531 0174 20 | VKM71001 |
|        | 13505-54020 | GT80470 | T41181 | 531 0191 20 | VKM71002 |
|        | 13505-54021 | GT80470 | T41181 | 531 0191 20 | VKM71002 |
|        | 13505-62031 | GT80680 | T41263 | 531 0177 20 | VKM71004 |

| Maker  | OE No               | GMB             | GATES  | INA         | SKF      |
|--------|---------------------|-----------------|--------|-------------|----------|
| TOYOTA | 13505-62050         | GT80680         | T41263 | 531 0177 20 | VKM71004 |
|        | 13505-62060         | GT80680         | T41263 | 531 0177 20 | VKM71004 |
|        | 13505-62070         | GT90450         | T41250 | 531 0642 20 | VKM71701 |
|        | 13505-63010         | GT80370         |        | 531 0175 20 | VKM71101 |
|        | 13505-63011         | GT80370         |        | 531 0175 20 | VKM71101 |
|        | 13505-63021         | GT80370         |        | 531 0175 20 | VKM71101 |
|        | 13505-64011         | GT70830,GT80710 | T41077 | 531 0178 20 | VKM71100 |
|        | 13505-64012         | GT70830,GT80710 | T41077 | 531 0178 20 | VKM71100 |
|        | 13505-64020         | GT70830,GT80710 | T41077 | 531 0178 20 | VKM71100 |
|        | 13505-64021         | GT70830,GT80710 | T41077 | 531 0178 20 | VKM71100 |
|        | 13505-65020         | GT80600         |        | 531 0675 20 | VKM71807 |
|        | 13505-65040         | GT90340         |        | 531 0639 20 | VKM71808 |
|        | 13505-67040         | GT90210         | T41183 | 531 0215 20 | VKM71014 |
|        | 13505-67041         | GT90210         | T41183 | 531 0215 20 | VKM71014 |
|        | 13505-67050         | GT60210         | T41288 | 531 0641 20 | VKM71706 |
|        | 13505-70010         | GT90260         |        |             |          |
|        | 13505-70030         | GT90260         |        |             |          |
|        | 13505-70040         | GT90260         |        |             |          |
|        | 13505-74010         | GT80020         | T41067 | 531 0176 20 | VKM71003 |
|        | 13505-74011         | GT80020         | T41067 | 531 0176 20 | VKM71003 |
|        | 13505-74030         | GT90810         | T41186 | 531 0183 20 | VKM71302 |
|        | 13505-88360         | GT90810         | T41186 | 531 0183 20 | VKM71302 |
|        | 13505-88361         | GT90810         | T41186 | 531 0183 20 | VKM71302 |
|        | 13505-88382         | GT90820         | T41214 | 531 0182 20 | VKM71006 |
|        | 13505-88383         | GT90820         | T41214 | 531 0182 20 | VKM71006 |
|        | 13505-88480         | GT90670         | T41272 | 531 0313 20 | VKM71013 |
|        | 13540-0L010         | GHAT-03         | T43226 | 533 0108 10 | VKM71809 |
|        | 13540-27010         | GHAT-165        | T43121 | 533 0094 10 | VKM71812 |
|        | 13540-27011         | GHAT-165        | T43121 | 533 0094 10 | VKM71812 |
|        | 13540-67010         | GHAT-03         | T43226 | 533 0108 10 | VKM71809 |
|        | 13540-67020         | GHAT-03         | T43226 | 533 0108 10 | VKM71809 |
|        | 13570-22010         | GT60010         | T36448 |             | VKM61015 |
|        | 16601-28041         | GHAT-01         |        |             | VKM61078 |
|        | 16601-28050         | GHAT-01         |        |             | VKM61078 |
|        | 16603-27010         | GT70310         | T39154 |             | VKM61018 |
|        | 16603-27011         | GT70310         | T39154 |             | VKM61018 |
|        | 16620-22013(Piston) | GHAT-02         |        |             | VKM61072 |
|        | 88440-12100         | GT60000         |        |             | VKM61002 |
|        | 88440-12170         | GT90930         |        |             | VKM61009 |

Cross Reference (OE > GMB)

| Maker  | OE No          | GMB     | GATES  | INA         | SKF      |
|--------|----------------|---------|--------|-------------|----------|
| TOYOTA | 88440-12190    | GT90950 |        |             | VKM61003 |
|        | 88440-12210    | GT90930 |        |             | VKM61009 |
|        | 88440-16050    | GT90920 | T36446 |             | VKM61011 |
|        | 88440-17010    | GT90940 |        |             | VKM61000 |
|        | 88440-20160    | GT90940 |        |             | VKM61000 |
|        | 88440-20170    | GT90920 | T36446 |             | VKM61011 |
|        | 88440-26100    | GT90920 | T36446 |             | VKM61011 |
|        | 8844035040     | GTA0550 | T38036 |             |          |
| VOLVO  | 0463633        | GT90140 | T41081 | 531 0089 10 | VKM16300 |
|        | 04636338       | GT90140 | T41081 | 531 0089 10 | VKM16300 |
|        | 1275409        | GT60640 | T42179 | 532 0225 10 | VKM26220 |
|        | 30637955       | GTB0330 | T43173 |             | VKM16038 |
|        | 30735750       | GTB0380 | T43171 | 531 0813 10 | VKM14224 |
|        | 30750905       | GTB0380 | T43171 | 531 0813 10 | VKM14224 |
|        | 8653651        | GTB0340 | T43089 | 531 0756 10 | VKM13257 |
|        | 8677053        | GTB0460 | T43067 | 531 0342 30 | VKM11257 |
|        | 8692561        | GT60640 | T42179 | 532 0225 10 | VKM26220 |
|        | 9207927        | GTB0440 | T43048 | 531 0276 30 | VKM11073 |
|        | 9640828480     | GTB0340 | T43089 | 531 0756 10 | VKM13257 |
|        |                |         |        |             |          |
| VW     | 04C-109-479G   | GTB0710 |        | 531 0882 10 |          |
|        | 04C-109-479H   | GTB0710 |        | 531 0882 10 |          |
|        | 04C-109-479J   | GTB0710 |        | 531 0882 10 |          |
|        | 04E-109-479A   | GTB0710 |        | 531 0882 10 |          |
|        | 04E-109-479B   | GTB0710 |        | 531 0882 10 |          |
|        | J13 503 540 30 | GT80720 | T42100 | 532 0098 20 | VKM81002 |
|        | J13 505 540 21 | GT80470 | T41181 | 531 0191 20 | VKM71002 |



PART 4  
CROSS REFERENCE (GMB > OE)



Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB     | MAKER                 | GATES  | INA         | SKF      | OEM No                                                                                                                           | Remark |
|---------|-----------------------|--------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------|--------|
| GT10010 | HYUNDAI<br>MITSUBISHI | T41042 | 531 0119 20 | VKM75100 | 24410-21010<br>24410-21014<br>MD030605                                                                                           |        |
| GT10022 | HYUNDAI               | T41037 | 531 0118 20 | VKM75006 | 24410-22000<br>24410-22020<br>24410-26000                                                                                        |        |
| GT10031 | HYUNDAI<br>MITSUBISHI | T41043 | 531 0124 20 | VKM75033 | 24410-32000<br>24410-32010<br>24410-32020<br>24410-32040<br>MD011536                                                             |        |
| GT10032 | HYUNDAI<br>MITSUBISHI | T41044 | 531 0236 20 | VKM75130 | 24410-32553<br>24410-32554D<br>24410-32560<br>MD129033                                                                           |        |
| GT10040 | HYUNDAI<br>MITSUBISHI | T41045 | 531 0235 20 | VKM75008 | 2335732050<br>MD128765                                                                                                           |        |
| GT10050 | HYUNDAI<br>MITSUBISHI | T42017 | 532 0074 20 | VKM85000 | 24810-33021<br>24810-33024<br>24810-38001<br>24840-38001<br>MD121993<br>MD156604<br>MD192731                                     |        |
| GT10060 | HYUNDAI               | T41046 | 531 0120 20 | VKM75144 | 24410-32533<br>24450-33010<br>24450-33020                                                                                        |        |
| GT10061 | HYUNDAI               | T41087 | 531 0651 20 | VKM75633 | 24450-38001<br>24450-38010<br>24450-38011                                                                                        |        |
| GT10070 | HYUNDAI<br>MITSUBISHI | T41047 | 531 0121 20 | VKM75044 | 2335722130<br>2335732120<br>2335733120<br>2335733130<br>MD115976                                                                 |        |
| GT10072 | HYUNDAI               | T41038 | 531 0382 20 | VKM75613 | 23357-33350<br>23357-38001                                                                                                       |        |
| GT10080 | HYUNDAI<br>MITSUBISHI | T41048 | 531 0125 20 | VKM75004 | 24410-35000<br>24410-35010<br>24410-35020<br>24410-35060<br>MD104575<br>MD104578                                                 |        |
| GT10090 | HYUNDAI<br>MITSUBISHI | T39245 | 532 0381 20 | VKM65004 | 25281-35010<br>25281-35020<br>25281-35050<br>25281-35060<br>MD102451<br>MD166381<br>MD308882<br>MD327654<br>MD368209<br>30873488 |        |

| GMB     | MAKER                 | GATES  | INA         | SKF      | OEM No                                                                                          | Remark |
|---------|-----------------------|--------|-------------|----------|-------------------------------------------------------------------------------------------------|--------|
| GT10100 | HYUNDAI<br>MITSUBISHI | T41039 | 531 0051 20 | VKM75000 | MD140071<br>24450-35510<br>24450-35530<br>24450-39810                                           |        |
| GT10101 | HYUNDAI               | T41040 | 532 0382 20 | VKM85148 | 24450-37100<br>24450-37120                                                                      |        |
| GT10110 | HYUNDAI<br>MITSUBISHI | T42018 | 532 0148 20 | VKM85002 | 24810-35500<br>24810-35510<br>24810-35530<br>24810-39810<br>34810-35510<br>MD151447<br>MD319022 |        |
| GT10111 | HYUNDAI               | T42014 | 531 0652 20 | VKM75630 | 24810-37100<br>24810-37120                                                                      |        |
| GT10120 | HYUNDAI               |        |             |          | 25281-35530                                                                                     |        |
| GT10130 | HYUNDAI<br>MITSUBISHI | T42130 | 531 0231 20 | VKM75612 | 23357-42000<br>23357-42010<br>23357-42020<br>23357-42030<br>MD050125                            |        |
| GT10140 | HYUNDAI<br>MITSUBISHI | T42129 | 531 0232 20 | VKM75601 | 24317-42000<br>24317-42010<br>24317-42020<br>MD050135<br>MD329625                               |        |
| GT10150 | HYUNDAI               | T41041 | 531 0528 10 | VKM75629 | 24410-23011<br>24410-23400<br>24410-23500                                                       |        |
| GT10160 | HYUNDAI               | T42015 | 532 0307 10 | VKM85153 | 24810-23011<br>24810-23050<br>24810-23400<br>24810-23500                                        |        |
| GT10170 | HYUNDAI               | T42016 | 532 0314 20 | VKM85145 | 24810-26000<br>24810-26010<br>24810-26020<br>24810-26060                                        |        |
| GT10180 | HYUNDAI               |        |             |          | 57250-37320<br>57250-37330                                                                      |        |
| GT10190 | HYUNDAI               |        |             |          | 57255-37510                                                                                     |        |
| GT10240 | HYUNDAI               | T41241 | 531 0653 20 | VKM75621 | 24410-02510<br>24410-02550                                                                      |        |
| GT10290 | HYUNDAI               |        |             |          | 25286-3B001                                                                                     |        |
| GT10300 | HYUNDAI               |        |             |          | 25285-3B000                                                                                     |        |
| GT10321 | HYUNDAI               |        |             |          | 25281-39010                                                                                     |        |
| GT10360 | HYUNDAI               |        |             | VKM65034 | 57212-38000<br>57212-38100                                                                      |        |
| GT10390 | HYUNDAI               | T36253 | 532 0568 10 | VKM64012 | 25286-4A000<br>25286-4A010<br>25286-4A030                                                       |        |

Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB     | MAKER                   | GATES  | INA         | SKF      | OEM No                                                                                                                             | Remark                                  |
|---------|-------------------------|--------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| GT10510 | HYUNDAI                 | T43133 | 531 0843 10 | VKM75628 | 24410-27000,<br>24410-27250                                                                                                        |                                         |
| GT10520 | HYUNDAI                 | T42141 | 532 0540 10 | VKM85146 | 24810-27250,<br>24810-27250,<br>24810-27750                                                                                        |                                         |
| GT20010 | KIA<br>MAZDA            | T41029 | 531 0108 20 | VKM74600 | OK972-12-700,<br>OK972-12-700A,<br>OK973-12-700,<br>OK973-12-700A,<br>FE1H-12-700A                                                 |                                         |
| GT20020 | KIA<br>MAZDA            | T42003 | 532 0069 20 | VKM84600 | XM346M250AA,<br>3895193,<br>FE1H-12-730,<br>OK972-12-730,<br>OK973-12-730,<br>FE1H-12-730A                                         |                                         |
| GT20030 | KIA<br>MAZDA            | T42004 | 532 0070 20 | VKM84601 | OK954-12-730OK955-<br>12-730OK955-12-<br>730AOK972-12-<br>730OK973-12-<br>730FE3N-12-730                                           |                                         |
| GT20040 | KIA<br>HYUNDAI          | T41030 | 531 0104 20 | VKM74200 | KK15112700,<br>KK15112700A,<br>KK15112700B,<br>MB63012700E,<br>244102X000,<br>B63012700,<br>B63012700A~E,<br>B63112700C            |                                         |
| GT20050 | KIA<br>HYUNDAI<br>MAZDA | T41031 | 531 0106 20 | VKM74201 | OK937-12-700A,<br>OK938-12-700,<br>24410-2X700,<br>24410-2X701,<br>B66012700A~F                                                    |                                         |
| GT20060 | KIA<br>HYUNDAI<br>MAZDA | T42005 | 532 0068 20 | VKM84201 | 24810-2X700,<br>MB660-12-730C,<br>OK937-12-730,<br>OK938-12-730,<br>B660-12-730,<br>B660-12-730A,<br>B660-12-730B,<br>B660-12-730C |                                         |
| GT20070 | KIA                     |        | 532 0448 10 | VKM84502 | OK9BV-12-730                                                                                                                       |                                         |
| GT20090 | KIA<br>MAZDA            |        | 532 0073 20 |          | OJE26-12-730A,<br>OK95B-12-730,<br>JE261-27-30A,<br>JE26-12-730,<br>JE26-12-730A                                                   |                                         |
| GT20100 | KIA<br>MAZDA            |        | 532 0072 20 |          | OJE26-12-740A,<br>JE26-12-740,<br>JE26-12-740A                                                                                     |                                         |
| GT20110 | KIA                     |        |             |          | OK551-12-740                                                                                                                       | - Equivalent to<br>GT40970<br>- Plactic |

| GMB      | MAKER                            | GATES  | INA         | SKF      | OEM No                                                                                                                 | Remark |
|----------|----------------------------------|--------|-------------|----------|------------------------------------------------------------------------------------------------------------------------|--------|
| GT20120  | KIA                              | T41266 | 531 0117 20 | VKM74004 | OK016-12-700,<br>OK016-12-700A,                                                                                        |        |
| GT20130  | KIA                              |        | 531 0669 20 |          | OK05412700,<br>OK05412700A                                                                                             |        |
| GT20140  | KIA<br>HYUNDAI                   | T41032 | 531 0670 20 | VKM74502 | OK24712700,<br>24450-2Y000,<br>24410-2Y000                                                                             |        |
| GT20150  | KIA<br>HYUNDAI                   |        | 531 0716 10 | VKM74504 | OK9BV12780,<br>24450-3Y100                                                                                             |        |
| GT20160  | KIA<br>HYUNDAI                   |        | 531 0719 10 | VKM74503 | OK9BV-12-790,<br>24450-3Y200                                                                                           |        |
| GT30010  | DAEWOO                           | T41267 | 531 0112 20 | VKM76102 | 12810A81400-000,<br>94580139,<br>12810-81400,<br>12810-81401,<br>12810-81401-000,<br>12810-81402                       |        |
| GT30500* | CITROEN<br>FORD<br>MAZDA<br>MINI | T42162 | 532 0321 10 | VKM23140 | 830.48,<br>1145955,<br>2S6Q 6M250 AA,<br>Y401-12-730,<br>11 31 7 805 961,<br>SU001-00542,<br>12823-73J00,<br>30711069  |        |
| GT30510  | NISSAN<br>RENAULT                | T41237 | 532 0221 10 | VKM26020 | 1307000QAA,<br>77001-07150,<br>82010-58069                                                                             |        |
| GT30520* | NISSAN<br>OPEL<br>RENAULT        | T42169 | 532 0313 20 | VKM26503 | 1307700QAA,<br>09201540,<br>4506092,<br>9201540,<br>8200004593                                                         |        |
| GT30540* | OPEL                             | T42077 | 532 0033 10 | VKM25158 | 55350580,<br>56 36 455                                                                                                 |        |
| GT30550* | AUDI<br>SEAT<br>SKODA<br>VW      | T42234 | 532 0185 10 | VKM21121 | 036-109-181A,<br>036-109-181B                                                                                          |        |
| GT30560  | CITROEN<br>FIAT                  | T38709 | 532 0141 20 | VKM23901 | 0830.25, 0830.27,<br>0830.54, 0830.59,<br>9400830599,<br>9616660780,<br>9651260980,<br>51.95800-7485,<br>96 16 660 780 |        |
| GT30570  | AUDI / SEAT<br>SKODA / VW        | T42149 | 532 0350 10 | VKM21221 | 06D109244A                                                                                                             |        |
| GT30590  | HONDA                            |        |             | VKM73603 | 14510-RGA-003                                                                                                          |        |
| GT30600  | SUZUKI                           | T36480 | 532 0622 10 | VKM66030 | 95131-67J11                                                                                                            |        |
| GT30610  | CITROEN<br>PEUGEOT<br>FIAT       | T42070 | 532 0196 10 | VKM23246 | 0830.28,<br>0830.31,<br>0830.63,<br>6921.91,<br>9400830289                                                             |        |



Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB      | MAKER                        | GATES  | INA         | SKF      | OEM No                                                                                | Remark                                |
|----------|------------------------------|--------|-------------|----------|---------------------------------------------------------------------------------------|---------------------------------------|
| GT30620  | AUDI<br>SEAT<br>SKODA<br>VW  | T42309 | 532 0623 10 | VKM21148 | 03L109244G                                                                            |                                       |
| GT40010  | DAIHATSU                     | T41003 | 531 0153 20 | VKM77300 | 13505-87702                                                                           |                                       |
| GT40920  | MAZDA                        |        |             | VKM74620 | RF2A-12-750A                                                                          |                                       |
| GT40930  | AUDI<br>SEAT<br>SKODA<br>VW  | T41229 | 532 0349 10 | VKM21147 | 038 109 244J,<br>038 109 244N,<br>68000678AA,<br>1221491,<br>2M216K297AA,<br>MN980104 |                                       |
| GT40940* | KIA                          | T42220 | 532 0248 10 | VKM84506 | 0K88R-12-750                                                                          |                                       |
| GT40950  | MITSUBISHI                   | T41316 | 531 0834 10 | VKM75676 | 1145A020,<br>1145A020V1T,<br>1145A079                                                 |                                       |
| GT40960  | KIA                          | T42222 | 532 0451 10 | VKM84504 | 0K551-12-730A,<br>24317-4X000,<br>24317-4X001                                         |                                       |
| GT40970  | KIA                          | T42218 | 532 0318 10 | VKM84503 | 0K88R-12-740,<br>0K551-27-40A                                                         | - Equivalent to<br>GT20110<br>- Steel |
| GT40990* | SUBARU                       | T41239 | 532 0403 20 | VKM88008 | 13073-AA220,<br>13073-AA230                                                           |                                       |
| GT50010  | SSANGYONG                    |        |             |          | A162-200-30-70                                                                        |                                       |
| GT50030  | SSANGYONG                    |        |             |          | A162-200-30-70                                                                        |                                       |
| GT50500* | FIAT                         |        |             | VKM22173 | 60607965,<br>60652129,<br>60664403,<br>60671573,<br>60813415                          | - Equivalent to<br>GTA0180<br>- Steel |
| GT50510* | CITROEN<br>PEUGEOT<br>FIAT   | T41258 | 531 0047 10 | VKM13202 | 0829.32,<br>0829.35,<br>9622574480                                                    |                                       |
| GT50520* | CITROEN<br>PEUGEOT<br>NISSAN | T41130 | 531 0031 10 | VKM13120 | 0829.30,<br>0829.45,<br>130706F900,<br>130706F901,<br>LHP10013,<br>LHP100970          |                                       |
| GT50530* | CITROEN<br>PEUGEOT           | T41128 | 531 0044 10 | VKM13050 | 0818.17,<br>0818.22,<br>95495830                                                      |                                       |
| GT50540* | RENAULT                      | T41236 | 532 0220 10 | VKM26125 | 7700107249                                                                            |                                       |
| GT50550* | MITSUBISHI                   | T41271 | 531 0196 20 | VKM75009 | MD169592                                                                              |                                       |

PART 4 Cross Reference (GMB > OE)



2017 TENSIONER & IDLER BEARING

| GMB      | MAKER                                | GATES  | INA         | SKF      | OEM No                                                                                                                            | Remark |
|----------|--------------------------------------|--------|-------------|----------|-----------------------------------------------------------------------------------------------------------------------------------|--------|
| GT50560* | CITROEN<br>PEUGEOT<br>FIAT<br>SUZUKI | T36059 | 531 0097 10 | VKM33002 | 5751.38,<br>9627860780,<br>35339-86CA0                                                                                            |        |
| GT50570* | CITROEN<br>PEUGEOT<br>FIAT<br>ROVER  | T41138 | 531 0048 10 | VKM13241 | 0829.33,<br>9617188680,<br>LHP100590                                                                                              |        |
| GT50580* | RENAULT                              | T41163 | 531 0250 10 | VKM16212 | 77 00 722 452,<br>77 00 852 114,<br>77 00 871 169                                                                                 |        |
| GT50590* | CITROEN<br>PEUGEOT<br>FIAT<br>ROVER  | T42069 | 532 0022 10 | VKM23241 | 0830.13,<br>9615923380,<br>LHP100070                                                                                              |        |
| GT50600* | FORD<br>RENAULT                      | T42097 | 532 0317 10 | VKM26602 | 1371753,<br>6M5G6M250AA,<br>7438630590,<br>7439146376,<br>7439146377,<br>8630590,<br>9146370,<br>9146376,<br>91463760,<br>9146377 |        |
| GT50610* | CITROEN<br>PEUGEOT                   | T41132 | 531 0032 10 | VKM13200 | 0829.12,<br>91508298                                                                                                              |        |
| GT50620* | OPEL<br>RENAULT                      | T42091 | 532 0322 10 | VKM26128 | 4402632,<br>9110632,<br>7700116054                                                                                                |        |
| GT50630* | AUDI<br>SEAT<br>SKODA<br>VW          | T42148 | 532 0310 10 | VKM21223 | 06D109244C,<br>06D109244D,<br>06D109244E                                                                                          |        |
| GT50680  | HONDA                                | T36424 |             | VKM63002 | 38942-PHM-004,<br>38942-PWA-004                                                                                                   |        |
| GT50690  | MAZDA                                | T36263 |             | VKM64003 | LFH1-15-940,<br>LFH1-15-940A                                                                                                      |        |
| GT50920  | AUDI<br>SEAT<br>SKODA<br>VW          | T42305 |             | VKM21269 | 03L 109 244,<br>03L 109 244 E,<br>03L 109 244 J                                                                                   |        |
| GT50930* | LADA                                 |        |             | VKM18200 | 2105-1006124                                                                                                                      |        |
| GT60000  | TOYOTA                               |        |             | VKM61002 | 88440-12100                                                                                                                       |        |
| GT60010  | TOYOTA                               | T36448 |             | VKM61015 | 13570-22010                                                                                                                       |        |
| GT60030  | MITSUBISHI                           | T41244 | 531 0672 20 | VKM75625 | MD356509                                                                                                                          |        |
| GT60040  | MITSUBISHI                           | T36415 | 532 0693 10 | VKM65010 | MD374877                                                                                                                          |        |
| GT60050  | MITSUBISHI                           | T42230 | 531 0860 10 | VKM75675 | MN137247                                                                                                                          |        |
| GT60060  | MITSUBISHI                           |        |             | VKM65062 | MD318872,<br>MD362028                                                                                                             |        |

Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB      | MAKER                               | GATES  | INA         | SKF      | OEM No                                                                                                                                                        | Remark |
|----------|-------------------------------------|--------|-------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GT60070  | CITROEN<br>PEUGEOT<br>FIAT          | T41139 | 531 0780 10 | VKM13244 | 0829.59,<br>6923.CO,<br>9646247380,<br>9400829599                                                                                                             |        |
| GT60080  | CITROEN<br>PEUGEOT<br>FIAT          |        |             |          | 0830.28,<br>9400830289                                                                                                                                        |        |
| GT60090  | NISSAN<br>RENAULT                   | T41155 | 531 0818 10 | VKM16003 | 8200211784,<br>1307700QAF,<br>1307700QAJ,<br>1680600QAV,<br>1680600QBA,<br>7700273277,<br>8200102612                                                          |        |
| GT60100  | DACIA<br>MITSUBISHI                 | T41157 | 531 0061 10 | VKM16101 | 6001545398,<br>MD343741,<br>MD855993,<br>M343741,<br>M855993,<br>4401609,<br>9109609,<br>9199609,<br>7700115070,<br>7700726440,<br>7700863113,<br>7700863113E |        |
| GT60110  | MITSUBISHI<br>OPEL                  | T42088 | 532 0237 10 | VKM26101 | 9110690,<br>MW30621261,<br>M855992,<br>4402690,<br>4403270,<br>7700116049,<br>7700735486,<br>7700863112,<br>8200051091,<br>9111270,<br>30621261,<br>30855992  |        |
| GT60120* | CITROEN<br>PEUGEOT                  | T36023 | 531 0226 10 | VKM33015 | 4007.E4,<br>96 155 001                                                                                                                                        |        |
| GT60130  | CITROEN<br>PEUGEOT<br>LADA<br>ROVER | T41137 | 531 0034 10 | VKM13240 | 082911,<br>082921,<br>93501404,<br>212151006120,<br>LHP10010                                                                                                  |        |
| GT60140  | CITROEN<br>PEUGEOT<br>ROVER         | T42068 | 532 0316 10 | VKM23240 | 0830.02,<br>93501405,<br>LHP10009                                                                                                                             |        |
| GT60150  | AUDI<br>SEAT<br>SKODA<br>VW         | T38068 | 531 0309 10 | VKM31059 | 058260511                                                                                                                                                     |        |
| GT60160  | MAZDA                               | T41313 | 531 0667 20 | VKM74606 | WL0112700                                                                                                                                                     |        |
| GT60170  | MITSUBISHI                          | T42155 | 532 0055 20 | VKM85141 | MD179597                                                                                                                                                      |        |

| GMB      | MAKER                       | GATES  | INA         | SKF      | OEM No                                                                          | Remark                                       |
|----------|-----------------------------|--------|-------------|----------|---------------------------------------------------------------------------------|----------------------------------------------|
| GT60180  | MAZDA                       | T42172 | 532 0103 20 | VKM84310 | RF7112730A                                                                      |                                              |
| GT60190  | MITSUBISHI                  |        |             |          | MD148876                                                                        |                                              |
| GT60200  | MITSUBISHI                  |        |             |          | MD313329                                                                        |                                              |
| GT60210  | TOYOTA                      | T41288 | 531 0641 20 | VKM71706 | 13505-67050                                                                     |                                              |
| GT60230  | SUZUKI                      |        |             |          | 12810-70B03                                                                     |                                              |
| GT60240  | DAIHATSU                    |        |             | VKM77505 | 13505-87206                                                                     |                                              |
| GT60250  | MITSUBISHI                  |        |             |          | MD195999                                                                        |                                              |
| GT60270  | SUBARU                      | T41225 | 532 0383 20 | VKM88007 | 13073-AA200                                                                     |                                              |
| GT60280  | FORD<br>MAZDA               | T41233 | 532 0187 10 | VKM24213 | XS7G6M250AA,<br>XS7G6M250BA,<br>1095025,<br>1213852,<br>YF0912730,<br>YF7112730 | - Equivalent to<br>GTA0300<br>- Longer Bolt  |
| GT60290  | TOYOTA                      | T41185 | 531 0185 20 | VKM71200 | 13505-10010                                                                     |                                              |
| GT60300  | FORD                        | T41260 | 531 0019 10 | VKM14200 | 6089286,<br>6145027,<br>84SM 6K254 AA                                           |                                              |
| GT60330* | AUDI<br>SEAT<br>SKODA<br>VW | T42045 | 532 0122 10 | VKM21012 | 028 109 244                                                                     |                                              |
| GT60340* | AUDI<br>SEAT<br>SKODA<br>VW | T42051 | 532 0165 10 | VKM21131 | 038 109 244 E,<br>038 109 244 Q                                                 |                                              |
| GT60350* | AUDI<br>SEAT<br>SKODA<br>VW | T42139 | 532 0197 10 | VKM21142 | 03L 109 244 C,<br>045 109 244 A                                                 |                                              |
| GT60360  | DAIHATSU                    | T41245 | 531 0824 10 | VKM77503 | 13505-97201                                                                     |                                              |
| GT60370  | MITSUBISHI                  |        |             |          | PW811497                                                                        |                                              |
| GT60380  | FORD                        |        |             |          | E9DZ6K254A                                                                      |                                              |
| GT60390  | AUDI<br>SEAT<br>SKODA<br>VW | T41097 |             | VKM11207 | 077 109 485 C,<br>077 109 485 E,<br>077 109 485 F                               | - Equivalent to<br>GT60395<br>- Shorter Bolt |
| GT60395  | AUDI<br>SEAT<br>SKODA<br>VW | T41097 |             | VKM11207 | 077 109 485 C,<br>077 109 485 E,<br>077 109 485 F                               | - Equivalent to<br>GT60390<br>- Longer Bolt  |
| GT60400  | AUDI<br>VW                  |        | 532 0329 10 |          | 077 109 244 D,<br>077 109 244 E                                                 |                                              |
| GT60410* | AUDI<br>VW                  | T41230 | 532 0236 10 | VKM21203 | 077 109 244 C                                                                   |                                              |
| GT60420  | AUDI<br>SEAT<br>SKODA<br>VW | T42050 | 532 0111 10 | VKM21130 | 038 109 244 B,<br>038 109 244 H,<br>038 109 244 M                               |                                              |

Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB      | MAKER                                 | GATES  | INA         | SKF      | OEM No                                                                                                  | Remark                           |
|----------|---------------------------------------|--------|-------------|----------|---------------------------------------------------------------------------------------------------------|----------------------------------|
| GT60430* | AUDI<br>VW                            | T41174 | 532 0051 10 | VKM21031 | 069 109 243 B                                                                                           |                                  |
| GT60440  | AUDI<br>VW                            |        |             |          | 058109243B                                                                                              |                                  |
| GT60450  | mitsubishi                            |        |             |          | MD309783                                                                                                |                                  |
| GT60460  | mitsubishi                            |        |             |          | MD310150                                                                                                |                                  |
| GT60470  | mitsubishi                            | T41046 | 531 0120 20 | VKM75144 | MD129355                                                                                                |                                  |
| GT60480  | mitsubishi                            | T42231 | 532 0674 10 | VKM85152 | MN 137248                                                                                               |                                  |
| GT60490  | RENAULT                               | T42089 | 532 0238 10 | VKM26102 | 77 00 116 050,<br>77 00 733 489,<br>77 00 863 111,<br>82 00 051 092,<br>82 00 420 959,<br>82 00 469 376 |                                  |
| GT60510  | AUDI<br>SEAT<br>SKODA<br>VW           | T42019 | 532 0714 10 | VKM21220 | 06B 109 244                                                                                             |                                  |
| GT60520  | CITROEN<br>PEUGEOT<br>FIAT            | T41178 | 532 0239 20 | VKM22385 | 0818.32,<br>0830.40,<br>4740846,<br>99432547,<br>99461357                                               |                                  |
| GT60530  | ALFA ROMEO<br>CITROEN<br>FIAT<br>OPEL | T41234 | 531 0557 10 | VKM22380 | 4740847,<br>0830.32,<br>99461358,<br>44 00 204,<br>44 21 906,<br>9108204,<br>95508239,<br>50 01 001 272 |                                  |
| GT60540  | ALFA ROMEO<br>FIAT                    | T42061 | 532 0209 10 | VKM22242 | 46554826,<br>46400054,<br>55211287                                                                      |                                  |
| GT60550  | ALFA ROMEO                            | T42059 | 532 0121 20 | VKM22174 | 60813590,<br>71736493, 7763644                                                                          |                                  |
| GT60580  | OPEL                                  | T42085 | 532 0040 10 | VKM25213 | 636416,<br>90411773                                                                                     |                                  |
| GT60600  | CHRYSLER                              |        |             |          | 04663515AC,<br>04663515AB,<br>04663515AD,<br>04777394,<br>4777394,<br>MO4777394                         | - Ass'y<br>(Pulley =<br>GT90010) |
| GT60610  | HONDA                                 |        |             |          | 14510-P0G-A01                                                                                           |                                  |
| GT60620  | TOYOTA                                | T41302 |             | VKM71304 | 13505-0A010                                                                                             |                                  |
| GT60630  | TOYOTA                                |        |             | VKM71801 | 13505-20040                                                                                             |                                  |
| GT60640  | VOLVO                                 | T42179 | 532 0225 10 | VKM26220 | 1275409,<br>8692561                                                                                     |                                  |

PART 4  
Cross Reference (GMB > OE)



2017 TENSIONER & IDLER BEARING

| GMB      | MAKER                       | GATES  | INA         | SKF      | OEM No                                                     | Remark                               |
|----------|-----------------------------|--------|-------------|----------|------------------------------------------------------------|--------------------------------------|
| GT60650  | AUDI<br>SEAT<br>SKODA<br>VW | T43017 | 531 0399 20 | VKM11115 | 06B 109 243                                                |                                      |
| GT60660  | AUDI<br>VW                  | T43065 | 531 0499 20 | VKM11008 | 058 109 243 C,<br>058 109 243 E                            |                                      |
| GT60670  | SUZUKI                      |        |             |          | 12810-76G70                                                | - Equivalent to<br>GT90610           |
| GT60680  | FIAT                        |        | 532 0193 20 | VKM32009 | 60805460,<br>7702173                                       | - Idler It Plastic                   |
| GT60760  | TOYOTA                      | T41280 | 531 0643 20 | VKM71303 | 13505-27010                                                |                                      |
| GT60790  | MAZDA<br>NISSAN             | T41253 | 531 0201 20 | VKM72303 | RF03-12-720,<br>13070-16A10                                |                                      |
| GT60920* | LADA                        | T41101 | 532 0438 10 |          | 21121006135                                                |                                      |
| GT60930* | LADA                        | T42042 | 531 0671 20 |          | 21081006120                                                |                                      |
| GT70310  | TOYOTA                      | T39154 |             | VKM61018 | 16603-27010,<br>16603-27011                                |                                      |
| GT70320  | mitsubishi                  | T41271 | 531 0196 20 | VKM75009 | MD169592                                                   |                                      |
| GT70330  | TOYOTA                      | T42192 | 532 0379 20 | VKM81204 | 13503-27010                                                |                                      |
| GT70390* | FIAT                        |        | 531 0816 10 |          | 46736886                                                   |                                      |
| GT70400* | AUDI<br>SEAT<br>VW          | T42189 | 532 0182 10 | VKM21122 | 036109244                                                  |                                      |
| GT70410* | OPEL                        |        | 531 0344 10 |          | 08966821,<br>09275148                                      |                                      |
| GT70420* | FIAT                        |        | 532 0202 10 |          | 4427069                                                    |                                      |
| GT70430* | ALFA ROMEO                  | T41113 | 531 0011 20 | VKM12005 | 5956109,<br>60800148                                       |                                      |
| GT70440* | FIAT                        | T41116 | 531 0006 10 | VKM12101 | 5997325                                                    |                                      |
| GT70450* | FIAT                        | T41122 | 531 0014 20 | VKM12227 | 7541718                                                    |                                      |
| GT70460* | FIAT                        |        | 531 0348 10 |          | 772 6935                                                   |                                      |
| GT70470* | FIAT                        |        | 532 0207 10 |          | 50006132                                                   |                                      |
| GT70480* | FIAT                        | T36082 | 532 0297 10 | VKM32031 | 46756937,<br>55204392                                      |                                      |
| GT70490* | OPEL                        |        | 531 0324 10 |          | 708 100 58,<br>52251292                                    |                                      |
| GT70720* | FORD                        |        |             | VKM4788  | BF5T6B209                                                  | - Ass'y (Pulley =<br>GT70940)        |
| GT70730* | AUDI<br>SEAT<br>SKODA / VW  | T42048 | 532 0167 10 | VKM21120 | 036109244C,<br>036109244D,<br>036109244J                   |                                      |
| GT70740* | ALFA ROMEO<br>FIAT          | T36208 | 532 0229 10 | VKM32242 | 46424716,<br>60811823,<br>60812645,<br>7797142,<br>7650925 | - Idler It Plastic<br>- Cap Included |
| GT70750* | CHEVROLET                   |        |             |          | 93397256                                                   |                                      |

Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB      | MAKER                        | GATES  | INA         | SKF      | OEM No                                                                                                                                                               | Remark                                |
|----------|------------------------------|--------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| GT70760* | CHEVROLET                    | T36128 |             |          | 93302612                                                                                                                                                             |                                       |
| GT70770* | MITSUBISHI<br>NISSAN<br>OPEL | T36176 | 532 0243 10 | VKM36031 | M883834,<br>MW30623983,<br>11925-00QAF,<br>11927-00QAA,<br>44 10 595,<br>93160256,<br>77 00 102 931,<br>77 00 104 092,<br>82 00 104 754,<br>49170-84A80,<br>30883834 |                                       |
| GT70780* | FIAT                         |        |             | VKM4614  | 46524820                                                                                                                                                             |                                       |
| GT70790* | FORD                         |        |             | VKM4793  | XS6E-19A2-16CC                                                                                                                                                       |                                       |
| GT70800* | CHEVROLET                    |        |             |          | 93336184                                                                                                                                                             |                                       |
| GT70810* | FORD                         |        |             |          | 2N1U10KO18BA                                                                                                                                                         |                                       |
| GT70820* | FIAT                         | T36058 | 531 0392 10 | VKM32015 | 46441096                                                                                                                                                             |                                       |
| GT70830  | TOYOTA                       | T41077 | 531 0178 20 | VKM71100 | 13505-64011,<br>13505-64012,<br>13505-64020,<br>13505-64021                                                                                                          | - Equivalent to<br>GT80710            |
| GT70930  | MITSUBISHI                   | T42226 | 532 0599 10 | VKM85156 | 1145A078,<br>MN176844,<br>MN176844V1T                                                                                                                                |                                       |
| GT70930  | MITSUBISHI                   | T42226 | 532 0599 10 | VKM85156 | 1145A078,<br>MN176844,<br>MN176844V1T                                                                                                                                |                                       |
| GT70940* | FORD                         |        |             |          | BF5T6B209                                                                                                                                                            | - Only Pulley<br>[Ass'y =<br>GT70720] |
| GT70950  | FORD<br>MAZDA                | T41296 | 531 0835 10 | VKM74604 | 3590347,<br>XM34 6K254 AA,<br>WL81-12-700                                                                                                                            |                                       |
| GT70960  | MAZDA                        | T41290 | 531 0784 10 | VKM74607 | RF5C-12-700                                                                                                                                                          |                                       |
| GT70970  | MAZDA                        | T42210 | 532 0386 20 | VKM84608 | RF5C-12-730                                                                                                                                                          |                                       |
| GT80010  | TOYOTA                       | T41066 | 531 0179 20 | VKM71202 | 13505-15041                                                                                                                                                          |                                       |
| GT80020  | TOYOTA                       | T41067 | 531 0176 20 | VKM71003 | 13505-74010,<br>13505-74011                                                                                                                                          |                                       |
| GT80030  | TOYOTA                       | T42025 | 532 0091 20 | VKM81004 | 13503-63010,<br>13503-63011,<br>13503-63020,<br>13503-63021,<br>13503-70040,<br>13503-88360,<br>13503-88361,<br>13503-88380                                          |                                       |
| GT80040  | FORD<br>MAZDA                | T42008 | 532 0100 20 | VKM84000 | 3396014,<br>FS01-12-730A                                                                                                                                             |                                       |
| GT80050  | SUBARU                       |        | 531 0384 20 | VKM78105 | 13070-KA020                                                                                                                                                          |                                       |
| GT80060  | MITSUBISHI                   |        |             |          | MD114691                                                                                                                                                             |                                       |

| GMB      | MAKER              | GATES  | INA         | SKF      | OEM No                                                                                                             | Remark                                                 |
|----------|--------------------|--------|-------------|----------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| GT80070  | AUDI<br>SEAT<br>VW | T41079 | 531 0063 10 | VKM11000 | 026109243,<br>026109243A,<br>026109243C,<br>026109243E,<br>026109243F,<br>026109243G,<br>026109243L,<br>026109246E |                                                        |
| GT80080  | SUZUKI             |        |             | VKM76103 | 12810-53A00,<br>12810-73002,<br>12810-73003,<br>12810-84000,<br>12810-84001                                        | - Equivalent to<br>GT80120<br>- Pulley width =<br>22mm |
| GT80090  | MITSUBISHI         | T41051 | 531 0194 20 | VKM75001 | MD 146186,<br>MD 146486                                                                                            |                                                        |
| GT80100  | HONDA<br>ROVER     | T41011 | 531 0268 20 | VKM73000 | 14510-PM7-003,<br>14510-PM7-004,<br>FDU 2691                                                                       |                                                        |
| GT80110  | NISSAN             | T41058 | 531 0208 20 | VKM72000 | 13070-01M00                                                                                                        |                                                        |
| GT80120  | SUZUKI             |        | 531 0530 20 |          | 12810-53A00,<br>12810-73002,<br>12810-73003,<br>12810-84000,<br>12810-84001                                        | - Equivalent to<br>GT80080<br>- Pulley width =<br>28mm |
| GT80140  | TOYOTA             | T41068 | 531 0174 20 | VKM71001 | 13505-54010                                                                                                        |                                                        |
| GT80150  | TOYOTA             | T42026 | 532 0090 20 | VKM81001 | 13503-54010,<br>13503-54020                                                                                        |                                                        |
| GT80160  | DAIHATSU           |        | 531 0222 20 | VKM77002 | 13505-87205                                                                                                        |                                                        |
| GT80170  | HONDA              | T41012 | 531 0130 20 | VKM73200 | 14510-PC6-013,<br>14510-PD2-003,<br>14510-PD2-004,<br>14510-PH1-003,<br>14510-PH1-004                              |                                                        |
| GT80180  | DAIHATSU           | T41320 | 531 0158 20 | VKM77401 | 13505-87203                                                                                                        |                                                        |
| GT80190* | SUBARU             |        |             |          | 41045-54000                                                                                                        |                                                        |
| GT80200* | MITSUBISHI         |        |             |          | MD120266                                                                                                           |                                                        |
| GT80210  | FORD               | T41144 | 531 0029 20 | VKM14103 | 1005822,<br>6177882,<br>6988203,<br>93FF 6K254 BA,<br>96FF 6K254 BA,<br>1E07-12-720                                |                                                        |
| GT80220  | FORD               | T41143 | 531 0023 10 | VKM14100 | 6200028,<br>6497120,<br>6686136,<br>7330712,<br>89FF 6K254 AC,<br>89FF 6K254 AD,<br>W500120 S309,<br>W500120 S415  |                                                        |

Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB     | MAKER                                | GATES  | INA         | SKF      | OEM No                                                                                                              | Remark                                                  |
|---------|--------------------------------------|--------|-------------|----------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| GT80230 | FORD                                 | T42000 | 532 0018 10 | VKM24100 | 1005823,<br>1103598,<br>7053802,<br>96FF6K254 DA,<br>96FF6K254 DB,<br>1E07-23-951B,<br>1E07-23-951C,<br>1E12-23-951 |                                                         |
| GT80240 | CITROEN<br>PEUGEOT                   | T39101 | 531 0037 10 | VKM33012 | 6453G4,<br>6453C5,<br>96004619,<br>96112418                                                                         |                                                         |
| GT80250 | ISUZU<br>OPEL                        |        | 531 0147 20 | VKM79001 | 94215197,<br>8-94215-197-0,<br>8-94215-197-1                                                                        |                                                         |
| GT80260 | CITROEN<br>PEUGEOT                   | T41129 | 531 0030 10 | VKM13100 | 0829.19,<br>0829.29,<br>0829.54,<br>97535002                                                                        |                                                         |
| GT80270 | RENAULT                              |        | 531 0069 10 |          | 77 00 665 224,<br>77 00 722 452,<br>77 00 852 114                                                                   |                                                         |
| GT80280 | AUDI<br>SEAT<br>SKODA<br>VW          | T41080 | 531 0079 10 | VKM11010 | 068 109 243,<br>068 109 243 B,<br>068 109 243 C,<br>068 109 243 F                                                   |                                                         |
| GT80290 | CITROEN<br>PEUGEOT<br>FIAT<br>LANCIA | T41121 | 531 0005 10 | VKM12200 | 0818.21,<br>0829.17,<br>95619217,<br>5972277,<br>71740977                                                           |                                                         |
| GT80300 | CITROEN<br>PEUGEOT                   | T41136 | 531 0036 10 | VKM13220 | 0829.22,<br>96010657                                                                                                |                                                         |
| GT80310 | SUZUKI                               | T41009 | 531 0168 20 | VKM76203 | 12810-86500,<br>12810-86501                                                                                         |                                                         |
| GT80320 | SUZUKI                               | T41064 | 531 0167 20 | VKM76202 | 12810-82001,<br>12810-82002,<br>12810-82003                                                                         |                                                         |
| GT80330 | DAIHATSU<br>TOYOTA                   | T42027 | 532 0081 20 | VKM81100 | 13503-64020-000,<br>13503-64010,<br>13503-64011,<br>13503-64012,<br>13503-64020,<br>13503-64021                     | - Equivalent to<br>GT90240<br>- Pulley is Rivet<br>type |
| GT80340 | NISSAN                               |        | 531 0214 20 | VKM72004 | 13070-42L00,<br>13070-V5001                                                                                         | - Equivalent to<br>GT90600                              |
| GT80350 | TOYOTA                               |        | 532 0099 20 |          | 13503-11010                                                                                                         |                                                         |
| GT80360 | TOYOTA                               |        | 531 0184 20 |          | 13505-43010,<br>13505-43020                                                                                         |                                                         |
| GT80370 | TOYOTA                               |        | 531 0175 20 | VKM71101 | 13505-63010,<br>13505-63011,<br>13505-63021                                                                         |                                                         |

PART 4 Cross Reference (GMB > OE)

| GMB      | MAKER              | GATES  | INA         | SKF      | OEM No                                                                                                                   | Remark |
|----------|--------------------|--------|-------------|----------|--------------------------------------------------------------------------------------------------------------------------|--------|
| GT80380  | TOYOTA             | T42029 | 532 0096 20 | VKM81400 | 13503-11030,<br>13503-11040                                                                                              |        |
| GT80390  | HONDA<br>ROVER     | T41013 | 531 0132 20 | VKM73011 | 13404-PT0-003,<br>13404-PT0-004,<br>LHP 100480,<br>LHP 100490                                                            |        |
| GT80400  | MITSUBISHI         | T41052 | 531 0195 20 | VKM75002 | MD 175375,<br>MD 315265                                                                                                  |        |
| GT80410  | DAIHATSU           | T41004 | 531 0151 20 | VKM77500 | 13505-87102                                                                                                              |        |
| GT80420  | TOYOTA             | T41071 | 531 0187 20 | VKM71400 | 13505-11040,<br>13505-11050                                                                                              |        |
| GT80430  | TOYOTA             | T41072 | 531 0181 20 | VKM71007 | 13505-02030,<br>13505-15050,<br>13505-15060                                                                              |        |
| GT80440  | HONDA<br>ISUZU     | T41014 | 531 0131 20 | VKM73600 | 14510-PT0-002,<br>14510-PT0-003,<br>14510-PT0-004,<br>580001460,<br>586000146,<br>5860001460,<br>LHP100440,<br>LHP100450 |        |
| GT80450  | MAZDA              | T41266 | 531 0117 20 | VKM74004 | R201-12-700A,<br>R201-12-700B                                                                                            |        |
| GT80460  | CITROEN<br>PEUGEOT | T36064 | 531 0038 10 | VKM33010 | 6453.76                                                                                                                  |        |
| GT80470  | TOYOTA<br>VW       | T41181 | 531 0191 20 | VKM71002 | 13505-54020,<br>13505-54021,<br>J13 505 540 21                                                                           |        |
| GT80480  | MITSUBISHI         | T41053 | 531 0123 20 | VKM75113 | MD 040754                                                                                                                |        |
| GT80490  | MAZDA              |        |             |          | D4FZ6K254A                                                                                                               |        |
| GT80500  | FORD               |        | 531 0758 10 | VKM14204 | E5EE6K254AA,<br>E5FZ6K254A,<br>1649176                                                                                   |        |
| GT80510  | MAZDA              | T42009 | 532 0102 20 | VKM84002 | KL01-12-740                                                                                                              |        |
| GT80520  | MAZDA<br>FORD      | T42010 | 532 0101 20 | VKM84001 | 3396015, 3864995,<br>KL01-12-730,<br>KL01-12-730A                                                                        |        |
| GT80530  | MAZDA              |        | 532 0104 20 | VKM84007 | JE15-12-730,<br>JE15-12-730A,<br>JE15-12-730C,<br>JF01-12-730,<br>JF01-12-730A,<br>JF01-12-730B                          |        |
| GT80540  | TOYOTA             | T42030 | 532 0092 20 | VKM81000 | 13503-62010,<br>13503-62030                                                                                              |        |
| GT80550  | HONDA<br>ROVER     | T41015 | 531 0141 20 | VKM73001 | 14510-PH7-003,<br>14510-PH7-004,<br>XHM 461                                                                              |        |
| GT80560* | SUBARU             |        | 531 0165 20 | VKM78002 | 13070-AA000,<br>13070-AA001                                                                                              |        |



Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB      | MAKER          | GATES  | INA         | SKF      | OEM No                                                                           | Remark                                       |
|----------|----------------|--------|-------------|----------|----------------------------------------------------------------------------------|----------------------------------------------|
| GT80570* | SUBARU         |        | 531 0164 20 | VKM78001 | 13071-AA001,<br>13071-AA002                                                      |                                              |
| GT80580  | HONDA          | T41016 | 531 0140 20 | VKM73201 | 14510-P30-003,<br>14510-PR3-003,<br>14510-PR3-004                                |                                              |
| GT80590  | HONDA<br>ROVER | T41017 | 531 0135 20 | VKM73101 | 14510-PE0-003,<br>14510-PE0-005,<br>DBP 9291                                     |                                              |
| GT80600  | TOYOTA         |        | 531 0675 20 | VKM71807 | 13505-65020                                                                      |                                              |
| GT80610  | HONDA          |        | 531 0134 20 |          | 14510-PG6-013                                                                    |                                              |
| GT80620  | ISUZU<br>OPEL  |        | 531 0143 20 | VKM79000 | 94472349,<br>8-94472-349-0,<br>8-94472-349-1                                     |                                              |
| GT80630* | TOYOTA         | T41074 | 531 0180 20 | VKM71401 | 13505-02020,<br>13505-16010,<br>13505-16011,<br>13505-16020,<br>13505-16021      |                                              |
| GT80640  | SUZUKI         | T41065 | 531 0169 20 | VKM76001 | 12810-71C00,<br>12810-71C01,<br>12810-71C02                                      |                                              |
| GT80650* | HONDA          | T41019 | 531 0133 20 | VKM73002 | 14510-PH3-003,<br>14510-PH3-004,<br>14510-PK1-004,<br>14510-PK1-014              |                                              |
| GT80660  | MAZDA          |        | 531 0666 20 | VKM74007 | JE15-12-750,<br>JE15-12-750A,<br>JF01-12-750,<br>JF01-12-750E,<br>JF01-12-750F   |                                              |
| GT80670  | FORD<br>MAZDA  | T41034 | 531 0597 20 | VKM74000 | 3395997,<br>3894197,<br>3994039,<br>KL02 12 750,<br>KL02-12-750A,<br>KLY2 12 SJ0 |                                              |
| GT80680  | TOYOTA         | T41263 | 531 0177 20 | VKM71004 | 13505-20010,<br>13505-20020,<br>13505-62031,<br>13505-62050,<br>13505-62060      |                                              |
| GT80690  | SUBARU         |        | 532 0086 20 | VKM88002 | 13073-AA000                                                                      |                                              |
| GT80700  | TOYOTA         | T41076 | 531 0186 20 | VKM71201 | 13505-11010,<br>13505-11011,<br>13505-11020                                      |                                              |
| GT80710  | TOYOTA         | T41077 | 531 0178 20 | VKM71100 | 13505-64011,<br>13505-64012,<br>13505-64020,<br>13505-64021                      | - Equivalent to<br>GT70830<br>- Rivet Pulley |
| GT80720  | TOYOTA<br>VW   | T42100 | 532 0098 20 | VKM81002 | 13503-54030,<br>J13 503 540 30                                                   |                                              |

PART 4 Cross Reference (GMB > OE)

| GMB      | MAKER               | GATES  | INA         | SKF      | OEM No                                                        | Remark |
|----------|---------------------|--------|-------------|----------|---------------------------------------------------------------|--------|
| GT80730  | TOYOTA              | T42102 | 532 0095 20 | VKM81201 | 13503-10011,<br>13503-10021                                   |        |
| GT80740  | NISSAN              | T42106 | 532 0113 20 | VKM82320 | 13074-05E00                                                   |        |
| GT80750  | CHEVROLET<br>DAEWOO | T42170 | 532 0194 20 | VKM80000 | 96103222,<br>96350526,<br>25191263                            |        |
| GT80760  | NISSAN              | T41254 | 531 0138 20 | VKM72310 | 13070-2J600,<br>13070-57J00,<br>13070-57J01,<br>13070-57J10   |        |
| GT80770* | NISSAN              | T41189 | 531 0212 20 | VKM72320 | 13070-05E00,<br>13070-05E10                                   |        |
| GT80780  | NISSAN              | T41190 | 531 0220 20 | VKM72400 | 13070-01B00,<br>13070-01B01,<br>13070-24B00                   |        |
| GT80790* | NISSAN              | T41191 | 531 0219 20 | VKM72500 | 13070-V7201                                                   |        |
| GT80800  | MITSUBISHI          | T41054 | 531 0193 20 | VKM75064 | MD 182537                                                     |        |
| GT80810  | NISSAN              | T42105 | 532 0110 20 | VKM82302 | 13077-54A00                                                   |        |
| GT80820  | CHRYSLER            |        |             |          | 5203469                                                       |        |
| GT80830  | CHRYSLER            |        |             | VKM18404 | 4315705                                                       |        |
| GT80840  | ISUZU               |        |             |          | 8-94423-331-1                                                 |        |
| GT80850  | HONDA               |        |             |          | 14510-PV0-003                                                 |        |
| GT80860* | HONDA               |        | 531 0109 20 | VKM73004 | 14510-PY3-003,<br>14510-PY3-004                               |        |
| GT80870* | MAZDA               |        | 532 0106 20 |          | JE48-12-730                                                   |        |
| GT80880  | MAZDA               |        | 532 0105 20 |          | JE48-12-740                                                   |        |
| GT80890  | MITSUBISHI          |        | 531 0228 20 | VKM75101 | MD 008965                                                     |        |
| GT80900  | MITSUBISHI          | T41056 | 531 0234 20 | VKM75108 | MD 109958                                                     |        |
| GT80910  | NISSAN              |        | 531 0638 20 |          | 13077-F6511                                                   |        |
| GT80920  | NISSAN              |        | 532 0118 20 |          | 13077-F6510                                                   |        |
| GT80930  | NISSAN              |        | 532 0117 20 |          | 13077-45V00,<br>13077-F6200,<br>13077-F6512                   |        |
| GT80940  | SUZUKI              | T41305 | 531 0170 20 | VKM76200 | 12810-53B00,<br>12810-53B01                                   |        |
| GT80950  | MITSUBISHI          |        | 531 0229 20 | VKM75119 | MD 009650                                                     |        |
| GT80970  | MAZDA               | T41035 | 531 0114 10 | VKM74001 | F805-12-700,<br>F805-12-700A,<br>F805-12-700C,<br>F806-12-700 |        |
| GT80980  | MAZDA               | T42116 | 532 0387 20 | VKM84604 | Z501-12-730,<br>Z501-12-730A                                  |        |
| GT80990  | MITSUBISHI          | T41211 | 531 0341 20 | VKM75615 | MD 329976                                                     |        |
| GT90000  | FORD                | T41008 | 531 0021 10 | VKM14210 | 6635941,<br>928M6K254AC                                       |        |

Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB      | MAKER         | GATES  | INA         | SKF      | OEM No                                                                                                                                            | Remark                                                 |
|----------|---------------|--------|-------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| GT90010* | CHRYSLER      | T41002 | 532 0227 10 |          | 04777017,<br>04777375AB,<br>04777375AC,<br>04777383AC,<br>04777393AB,<br>05018400AA,<br>4573348,<br>4663515AC,<br>4777017,<br>4777393,<br>4777394 | - Only Pulley<br>(Ass'y =<br>GT60600)                  |
| GT90020* | SUBARU        | T42039 | 532 0084 20 | VKM88000 | 13073-AA081,<br>13073-AA082,<br>13073-AA140,<br>13073-AA142,<br>13073-AA180                                                                       | - Equivalent to<br>GT90280<br>- Single Bearing<br>type |
| GT90030* | HONDA         |        | 531 0145 20 | VKM73007 | 13404-P13-003                                                                                                                                     |                                                        |
| GT90040* | HONDA         | T41023 | 531 0314 20 | VKM73005 | 14510-P08-003,<br>14510-P08-004,<br>14510-P2A-004,<br>14510-P2A-J01,<br>14520-P2A-305,<br>14520-P2A-306,<br>LHP 100790                            |                                                        |
| GT90050* | TOYOTA        | T42031 | 532 0372 20 | VKM81005 | 13503-50010,<br>13503-50011                                                                                                                       |                                                        |
| GT90060* | ISUZU<br>OPEL |        | 532 0396 20 |          | 94386488,<br>8-94386-488-0,<br>8-94386-488-1,<br>8-94386-488-2,<br>6 14 649                                                                       |                                                        |
| GT90070* | ISUZU         |        |             |          | 8-94362-435-0                                                                                                                                     |                                                        |
| GT90080* | SUBARU        | T41063 | 531 0163 20 | VKM78000 | 13069-AA034,<br>13069-AA035,<br>13069-AA036,<br>13069-AA037                                                                                       |                                                        |
| GT90085  | SUBARU        |        | 531 0662 20 | VKM78003 | 13069-AA060,<br>13069-AA061,<br>13069-AA062,<br>13069-AA063                                                                                       |                                                        |
| GT90090* | LEXUS         |        | 531 0664 20 |          | 13505-50010,<br>13505-50021,<br>13505-50022                                                                                                       |                                                        |
| GT90100  | MAZDA         |        | 531 0774 10 |          | JE26-12-750                                                                                                                                       |                                                        |
| GT90110  | ISUZU<br>OPEL |        | 531 0534 20 |          | 8-94364-816-0,<br>8-94364-816-1,<br>8-97116-002-0,<br>636405,<br>636721,<br>636736,<br>94364816,<br>97116002                                      |                                                        |

PART 4 Cross Reference (GMB > OE)



2017 TENSIONER & IDLER BEARING

| GMB     | MAKER             | GATES  | INA         | SKF      | OEM No                                                                                      | Remark                          |
|---------|-------------------|--------|-------------|----------|---------------------------------------------------------------------------------------------|---------------------------------|
| GT90115 | ISUZU<br>OPEL     |        | 531 0660 20 | VKM79006 | 97136256,<br>8-97136-256-0,<br>8-97136-256-1,<br>56 36 734                                  | - Ass'y<br>(Pulley=GT<br>90560) |
| GT90120 | HONDA             |        | 531 0144 20 | VKM73006 | 14510-P13-003                                                                               |                                 |
| GT90130 | SUBARU            | T42024 | 532 0085 20 | VKM88001 | 13085-AA010,<br>13085-AA070,<br>13085-AA080,<br>13085-AA100                                 |                                 |
| GT90140 | VOLVO             | T41081 | 531 0089 10 | VKM16300 | 0463633,<br>04636338,<br>463633,<br>4636338                                                 |                                 |
| GT90150 | ISUZU<br>OPEL     | T41196 | 531 0150 20 | VKM79002 | 94433821,<br>8-94382-214-0,<br>8-94382-214-1,<br>8-94433-821-0,<br>6 36 383,<br>94382214    |                                 |
| GT90160 | NISSAN            | T42107 | 532 0115 20 | VKM82500 | 13077-V7200,<br>13077-V7202                                                                 |                                 |
| GT90170 | ISUZU<br>OPEL     | T42173 | 532 0076 20 | VKM89003 | 8-94382-215-0,<br>8-94382-215-1,<br>8-94433-820-0,<br>8 15 971,<br>94382215                 |                                 |
| GT90180 | NISSAN<br>RENAULT | T41154 | 531 0055 10 | VKM16000 | 13077-00QAD,<br>77014-72726,<br>77 00 736 085                                               |                                 |
| GT90200 | OPEL              | T41257 | 531 0166 20 | VKM15215 | 56 36 724,<br>6 36 741,<br>6 36 745,<br>97112438,<br>97114552,<br>97210154,<br>Y701-12-700A |                                 |
| GT90210 | TOYOTA            | T41183 | 531 0215 20 | VKM71014 | 13505-0L010,<br>13505-67040,<br>13505-67041                                                 |                                 |
| GT90220 | MITSUBISHI        | T42154 | 532 0130 20 | VKM85140 | MD 012587                                                                                   |                                 |
| GT90230 | OPEL              | T41151 | 531 0052 20 | VKM15210 | 6 36 731,<br>6 36 742,<br>94149432,<br>97112439                                             |                                 |
| GT90240 | TOYOTA            | T42027 | 532 0081 20 | VKM81100 | 13503-64020,<br>13503-64021                                                                 | - Equivalent to<br>GT80330      |
| GT90250 | TOYOTA            |        | 532 0097 20 |          | 13503-70051,<br>13503-70060,<br>13503-70061,<br>13503-70070,<br>13503-70080                 |                                 |

Cross Reference (GMB > OE)  
1) TENSIONER & IDLER

| GMB     | MAKER      | GATES  | INA         | SKF      | OEM No                                                                      | Remark                                                 |
|---------|------------|--------|-------------|----------|-----------------------------------------------------------------------------|--------------------------------------------------------|
| GT90260 | TOYOTA     |        |             |          | 13505-70010,<br>13505-70030,<br>13505-70040                                 |                                                        |
| GT90270 | HONDA      |        |             |          | 14510-PFB-003,<br>14510-PZ1-003                                             |                                                        |
| GT90280 | SUBARU     | T42039 | 532 0084 20 | VKM88000 | 13073-AA081,<br>13073-AA082,<br>13073-AA140,<br>13073-AA142,<br>13073-AA180 | - Equivalent to<br>GT90020<br>- Double<br>Bearing type |
| GT90290 | SUBARU     |        |             | VKM78004 | 13070-KA071,<br>13070-KA072                                                 |                                                        |
| GT90300 | HONDA      |        |             | VKM83000 | 14520-P1A-003,<br>14520-PFB-003,<br>14520-PZ1-003                           |                                                        |
| GT90310 | OPEL       | T41261 | 531 0242 20 | VKM15213 | 6 36 735,<br>97010530                                                       |                                                        |
| GT90320 | MITSUBISHI |        |             |          | MD195998                                                                    |                                                        |
| GT90330 | MITSUBISHI |        |             |          | MD134281                                                                    |                                                        |
| GT90340 | TOYOTA     |        | 531 0639 20 | VKM71808 | 13505-65040                                                                 |                                                        |
| GT90350 | FORD       | T42033 | 532 0093 10 | VKM24211 | F5RZ-6M250-B,<br>6744307,<br>928M6M250 DC                                   |                                                        |
| GT90360 | FORD       | T42036 | 532 0016 10 | VKM24210 | F5RZ-6M250-A,<br>6635942,<br>928M6M250 BC                                   |                                                        |
| GT90370 | HONDA      |        | 532 0019 20 | VKM83003 | 14550-P8A-A01,<br>14550-PGE-A01                                             |                                                        |
| GT90380 | HONDA      |        | 531 0647 20 | VKM73605 | 14510-P8A-A01,<br>14510-PGE-A01                                             |                                                        |
| GT90390 | FORD       | T42197 | 532 0152 10 | VKM24214 | 1053942, 978M 6M250<br>BB, XS4Z-6M250-BA                                    |                                                        |
| GT90400 | FORD       | T42164 | 532 0151 10 | VKM24212 | 1038384,<br>978M 6M250 AA,<br>F8CZ-6M250-AA                                 |                                                        |
| GT90410 | CHEVROLET  |        |             |          | 24503859                                                                    |                                                        |
| GT90420 | CHEVROLET  |        |             |          | 24503561                                                                    |                                                        |
| GT90430 | ISUZU      |        |             |          | 8-94100-223-0,<br>8-94100-223-1                                             |                                                        |
| GT90440 | TOYOTA     |        | 532 0356 10 | VKM81007 | 13503-65010                                                                 |                                                        |
| GT90450 | TOYOTA     | T41250 | 531 0642 20 | VKM71701 | 13505-62070                                                                 |                                                        |
| GT90460 | TOYOTA     | T42156 | 532 0390 20 | VKM81401 | 13503-62040                                                                 |                                                        |
| GT90470 | SUBARU     |        | 531 0649 20 |          | 13069-AA070                                                                 |                                                        |
| GT90480 | SUBARU     |        | 532 0385 20 |          | 13073-AA150                                                                 |                                                        |
| GT90490 | SUBARU     |        | 532 0384 20 |          | 13085-AA020                                                                 |                                                        |
| GT90500 | MAZDA      |        |             |          | KJ01-12-750                                                                 |                                                        |
| GT90510 | MAZDA      |        |             | VKM84606 | KJ01-12-740                                                                 |                                                        |
| GT90520 | ISUZU      |        |             | VKM55003 | 94372202,<br>8-94372202-0,<br>8-94372202-1                                  |                                                        |

PART 4 Cross Reference (GMB > OE)

| GMB     | MAKER                       | GATES  | INA         | SKF      | OEM No                                                                                                       | Remark                                |
|---------|-----------------------------|--------|-------------|----------|--------------------------------------------------------------------------------------------------------------|---------------------------------------|
|         |                             |        |             |          | 05083726AB,<br>4781569AA,<br>4781569AB,<br>4897578AA,<br>5003284AA,<br>5010372AA,<br>5083726AA,<br>5083726AB |                                       |
| GT90530 | CHRYSLER                    | T42121 | 532 0466 10 | VKM28400 |                                                                                                              |                                       |
| GT90540 | CHEVROLET<br>DAEWOO<br>OPEL | T42084 | 532 0039 10 | VKM25212 | 09128738,<br>90411782,<br>9128738,<br>56 36 425,<br>6 36 415                                                 |                                       |
| GT90550 | MITSUBISHI                  | T41212 | 531 0347 20 | VKM75616 | MD 320174                                                                                                    |                                       |
| GT90560 | ISUZU<br>OPEL               |        | 531 0660 20 | VKM79006 | 97136256,<br>8-97136-256-0,<br>8-97136-256-1,<br>56 36 734                                                   | - Only Pulley<br>(Ass'y =<br>GT90115) |
| GT90570 | FORD                        | T43004 |             | VKM54004 | F7CZ-6K254A                                                                                                  |                                       |
| GT90580 | SUZUKI                      | T41267 | 531 0112 20 | VKM76102 | 12810-81400,<br>12810-81401,<br>12810-81401-000                                                              |                                       |
| GT90590 | TOYOTA                      | T41249 | 531 0640 20 | VKM71704 | 13505-46020,<br>13505-46070,<br>13505-17020                                                                  |                                       |
| GT90600 | NISSAN                      |        |             |          | 13070-5L300,<br>13070-73L00                                                                                  | - Equivalent to<br>GT80340            |
| GT90610 | SUZUKI                      | T41319 | 531 0855 10 | VKM76204 | 12810-76G00,<br>12810-M76G00,<br>12810-M76G10                                                                | - Equivalent to<br>GT60670            |
| GT90620 | SUZUKI                      |        |             |          | 12810-83C00                                                                                                  |                                       |
| GT90630 | FORD<br>MAZDA<br>SUZUKI     |        | 531 0674 20 |          | 1105980,<br>3252666,<br>RF01-12-700A,<br>RF01-12-700B,<br>12810-78E00,<br>12810-78E01                        |                                       |
| GT90640 | MITSUBISHI                  |        |             |          | MD350488                                                                                                     |                                       |
| GT90650 | MITSUBISHI                  |        |             |          | MD351829                                                                                                     |                                       |
| GT90660 | SUBARU                      |        |             |          | 13070-KA101                                                                                                  |                                       |
| GT90670 | TOYOTA                      | T41272 | 531 0313 20 | VKM71013 | 13505-88480                                                                                                  |                                       |
| GT90680 | MITSUBISHI                  |        |             |          | MD347432                                                                                                     |                                       |
| GT90690 | MITSUBISHI                  |        |             |          | MD354223                                                                                                     |                                       |
| GT90700 | MITSUBISHI                  | T41038 | 531 0382 20 | VKM75613 | MD185544,<br>MD192068                                                                                        |                                       |
| GT90710 | CHRYSLER                    |        | 531 0326 10 |          | 04273241,<br>4273241                                                                                         |                                       |
| GT90720 | KIA                         | T41224 | 531 0746 10 | VKM74506 | 0K95K-12-750                                                                                                 |                                       |
| GT90730 | HONDA                       |        |             |          | 14550-RCA-A01                                                                                                |                                       |

Cross Reference (GMB > OE)

1) TENSIONER & IDLER

| GMB     | MAKER                       | GATES  | INA         | SKF      | OEM No                                                                      | Remark                                                                       |
|---------|-----------------------------|--------|-------------|----------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------|
| GT90740 | SUBARU                      | T41226 | 532 0389 20 | VKM88004 | 13073-AA190                                                                 |                                                                              |
| GT90750 | AUDI<br>SEAT<br>SKODA<br>VW | T41082 | 531 0477 20 | VKM11202 | 078 109 243 Q,<br>078 109 243 R,<br>078 109 243 S                           |                                                                              |
| GT90760 | HONDA                       |        |             |          | 14510-RCA-A01                                                               |                                                                              |
| GT90770 | HONDA                       |        |             |          | 14510-PR7-A01                                                               |                                                                              |
| GT90780 | HONDA                       |        | 531 0648 20 |          | 14510-P5A-003                                                               |                                                                              |
| GT90790 | HONDA                       |        |             |          | 13450-P5A-003                                                               |                                                                              |
| GT90800 | TOYOTA                      |        | 531 0190 20 | VKM71700 | 13505-42010,<br>13505-42020                                                 |                                                                              |
| GT90810 | TOYOTA                      | T41186 | 531 0183 20 | VKM71302 | 13505-74030,<br>13505-88360,<br>13505-88361                                 |                                                                              |
| GT90820 | TOYOTA                      | T41214 | 531 0182 20 | VKM71006 | 13505-88382,<br>13505-88383                                                 |                                                                              |
| GT90830 | TOYOTA                      |        | 531 0192 20 | VKM71010 | 13505-46041                                                                 |                                                                              |
| GT90840 | SUBARU                      | T43137 | 531 0655 20 | VKM78005 | 13033-AA001,<br>13033-AA002,<br>13033-AA040,<br>13033-AA041,<br>13033-AA042 | - Only Pulley<br>- Equivalent to<br>GT90845<br>- BEARING<br>(Double Row)     |
| GT90845 | SUBARU                      | T43137 | 531 0655 20 | VKM78005 | 13033-AA001, 13033-AA002, 13033-AA040,<br>13033-AA041, 13033-AA042          | - Only Pulley<br>- Equivalent<br>to GT90840 -<br>BEARING (Two<br>Single Row) |
| GT90850 | AUDI<br>SEAT<br>VW          | T41227 | 532 0159 10 | VKM21202 | 078 109 244 H                                                               |                                                                              |
| GT90860 | AUDI<br>SEAT<br>SKODA<br>VW | T42044 | 532 0161 10 | VKM21004 | 03L 109 244 D,<br>058 109 244                                               |                                                                              |
| GT90870 | BMW                         | T41083 | 531 0001 10 | VKM18100 | 11 31 1 711 153,<br>11 31 1 468 743                                         |                                                                              |
| GT90880 | CHRYSLER                    |        |             |          | 4663515                                                                     |                                                                              |
| GT90890 | NISSAN                      | T41088 | 531 0209 20 | VKM72200 | 13070-D0100                                                                 |                                                                              |
| GT90900 | NISSAN                      | T41187 | 531 0211 20 | VKM72100 | 13070-D4200                                                                 |                                                                              |
| GT90920 | TOYOTA                      | T36446 |             | VKM61011 | 88440-16050,<br>88440-20170,<br>88440-26100                                 |                                                                              |
| GT90930 | TOYOTA                      |        |             | VKM61009 | 88440-12170,<br>88440-12210                                                 |                                                                              |
| GT90940 | TOYOTA                      |        |             | VKM61000 | 88440-17010,<br>88440-20160                                                 |                                                                              |
| GT90950 | TOYOTA                      |        |             | VKM61003 | 88440-12190                                                                 |                                                                              |
| GT90970 | SUBARU                      |        |             | VKM68000 | 73014-AA010                                                                 |                                                                              |

Cross Reference (GMB > OE)

2) Pulley

| GMB      | MAKER                       | GATES  | INA         | SKF      | OEM No                                                                                                                                                       | Remark                                                  |
|----------|-----------------------------|--------|-------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| GTA0010* | CITROEN<br>PEUGEOT<br>FIAT  | T38236 | 534 0111 20 | VKM33032 | 5751.74,<br>9636782780,<br>9653522780                                                                                                                        |                                                         |
| GTA0020* | FORD                        | T38331 | 534 0075 20 | VKM33043 | 1229540,<br>1355389,<br>1469717,<br>4M5Q 6A228 BA,<br>4M5Q 6A228 BB,<br>6M5Q 6A228-DA,<br>Y601-15-980,<br>Y602-15-980,<br>11 28 7 795 037,<br>5751.86        |                                                         |
| GTA0030* | ALFA ROMEO                  | T38364 | 534 0101 20 | VKM32027 | 46546374,<br>55180011,<br>71747798                                                                                                                           |                                                         |
| GTA0040* | AUDI<br>SEAT<br>SKODA<br>VW | T38307 | 534 0132 30 | VKM31019 | 038 903 315 AE,<br>038 903 315 F,<br>1122523,<br>1376631,<br>YM21 6K254 AA,<br>YM21 6K254 EA                                                                 |                                                         |
| GTA0050* | MITSUBISHI<br>OPEL          | T36084 | 532 0364 20 | VKM36038 | 93160779,<br>93161273,<br>MW 3062 3983,<br>MW 3063 8631,<br>MW 3130 3117,<br>11925-00Q0J,<br>11925-00QAE,<br>11925-00QAP,<br>11925-AW300,<br>11927-00QAA     |                                                         |
| GTA0060* | HYUNDAI                     | T38454 | 534 0306 10 | VKM65027 | 25281-27000,<br>25281-27001,<br>25281-27010,<br>25281-27060                                                                                                  |                                                         |
| GTA0070* | HYUNDAI<br>KIA              | T36473 |             | VKM64018 | 25287-2A000,<br>25287-2A100                                                                                                                                  |                                                         |
| GTA0080* | MERCEDES-BENZ               | T36183 | 531 0677 30 | VKM38123 | 166 202 02 19,<br>166 202 05 19,<br>166 202 06 19,<br>668 202 02 19                                                                                          |                                                         |
| GTA0090* | CHEVROLET<br>DAEWOO<br>OPEL | T38154 | 534 0118 20 | VKM35009 | 96435138,<br>96459042,<br>96352818,<br>13 40 534,<br>13 40 541,<br>13 40 544,<br>24412292,<br>48 03 350,<br>63 40 532,<br>90500229,<br>90502129,<br>96435138 | - Equivalent to<br>GTA0560<br>- Pulley is Rivet<br>type |

Cross Reference (GMB > OE)

2) Pulley

| GMB      | MAKER                                | GATES  | INA         | SKF      | OEM No                                                                                                                                                     | Remark                                  |
|----------|--------------------------------------|--------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| GTA0100* | CITROEN<br>PEUGEOT<br>FIAT<br>LANCIA | T36033 | 532 0138 10 | VKM33034 | 5751.20, 9608989980                                                                                                                                        |                                         |
| GTA0110* | FORD                                 | T36175 | 532 0501 10 | VKM34034 | 1072321,<br>1112807,<br>1139951,<br>7109163,<br>95WF 19A216 AC,<br>95WF 19A216 AD,<br>YS4E 19A216 AA,<br>1E03-15-930A                                      |                                         |
| GTA0120* | FORD                                 |        | 532 0254 10 | VKM34061 | 6200285,<br>928F 19A216 AA                                                                                                                                 |                                         |
| GTA0130* | AUDI<br>SEAT<br>SKODA<br>VW          | T42048 | 532 0167 10 | VKM21120 | 036109244C,<br>036109244D,<br>036109244J                                                                                                                   |                                         |
| GTA0140* | CITROEN<br>PEUGEOT<br>FORD           | T38371 | 534 0180 10 | VKM33061 | 5751.89,<br>9638380780,<br>1143406,<br>1214747,<br>1329630,<br>1357587,<br>1480012,<br>2S61 6A228 AC,<br>2S61 6A228 AD,<br>2S61 6A228 AE,<br>2S61 6A228 AF |                                         |
| GTA0150* | AUDI<br>SEAT<br>SKODA<br>VW          | T38099 | 532 0160 10 | VKM31041 | 059 903 341 A,<br>059 903 341 E,<br>059 903 341 J,<br>68020888AA,<br>K04593985AA,<br>K04627851AA,<br>K02627509AA,<br>K04627506AA,<br>K05184638AD           |                                         |
| GTA0160* | MERCEDES-BENZ<br>MITSUBISHI          | T38429 | 532 0667 10 | VKM38131 | 640 202 04 19,<br>1341A001                                                                                                                                 |                                         |
| GTA0170* | MERCEDES-BENZ                        | T36252 | 532 0404 30 | VKM38130 | 166 202 01 19,<br>166 202 04 19,<br>266 202 00 19,<br>668 202 05 19                                                                                        |                                         |
| GTA0180* | FIAT                                 | T42060 | 532 0120 10 | VKM22177 | 60652129,<br>60664403,<br>60671573                                                                                                                         | - Equivalent to<br>GT50500<br>- Plastic |
| GTA0190* | AUDI<br>SEAT<br>SKODA<br>VW          | T38372 | 531 0791 10 | VKM31025 | 028 145 278 M                                                                                                                                              |                                         |

PART 4 Cross Reference (GMB > OE)



2017 TENSIONER & IDLER BEARING

| GMB      | MAKER                       | GATES  | INA         | SKF      | OEM No                                                                                                                                                 | Remark                                       |
|----------|-----------------------------|--------|-------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| GTA0200* | FORD<br>JAGUAR              | T36125 | 532 0471 10 | VKM34031 | 1117009,<br>1128896,<br>XS7E 19A216 BC,<br>XS7E 19A216 BD,<br>C2S27005,<br>C2S48896                                                                    |                                              |
| GTA0210* | AUDI<br>SEAT<br>SKODA<br>VW | T38377 | 531 0536 10 | VKM31231 | 022 145 299 A,<br>022 145 299 D,<br>1139712,<br>YM21 10145 BB                                                                                          |                                              |
| GTA0220* | CHRYSLER                    | T42201 | 532 0476 10 | VKM28601 | 5093 931AA                                                                                                                                             |                                              |
| GTA0230* | MERCEDES-BENZ               | T38174 | 534 0114 20 | VKM38026 | 112 200 00 70,<br>112 200 01 70,<br>112 200 03 70,<br>112 200 08 70,<br>112 200 09 70,<br>014 020 0136                                                 |                                              |
| GTA0240* | CHEVROLET<br>FIAT<br>OPEL   | T38433 | 534 0147 10 | VKM35260 | 55556090,<br>96802494,<br>13 40 268,<br>55350422,<br>55563512,<br>63 40 552,<br>63 40 558                                                              |                                              |
| GTA0250* | CHRYSLER                    |        |             |          | 53010161                                                                                                                                               |                                              |
| GTA0260* | FORD                        |        |             | VKM34040 | 6168156,<br>6501088,<br>6789631,<br>88WF 6A228 AC                                                                                                      |                                              |
| GTA0270* | ALFA ROMEO                  | T38473 | 534 0106 20 | VKM32082 | 55190053,<br>60624147                                                                                                                                  |                                              |
| GTA0280* | RENAULT                     | T42167 | 532 0308 10 | VKM26310 | 77 00 108 626,<br>82 00 483 288                                                                                                                        |                                              |
| GTA0290* | CHRYSLER<br>FIAT            | T36249 | 531 0760 10 | VKM32243 | 04891720AA,<br>46537101                                                                                                                                |                                              |
| GTA0300* | FORD<br>MAZDA               | T41233 | 532 0187 10 | VKM24213 | XS7G6M250AA,<br>XS7G6M250BA,<br>1095025,<br>1213852,<br>YF0912730,<br>YF7112730                                                                        | - Equivalent to<br>GT60280<br>- Shorter Bolt |
| GTA0310* | CITROEN<br>PEUGEOT<br>FIAT  | T36456 | 532 0477 10 | VKM34701 | 16 080 248 80,<br>16 090 106 80,<br>16 114 234 80,<br>5751.F0,<br>9658142480,<br>1372398,<br>1496244,<br>1731729,<br>6C1Q 19A216 AA,<br>6C1Q 19A216 AB |                                              |
| GTA0320* | HYUNDAI                     |        | 532 0543 10 | VKM65015 | 25286-37100,<br>25287-37101                                                                                                                            |                                              |



Cross Reference (GMB > OE)

2) Pulley

| GMB      | MAKER                       | GATES  | INA         | SKF                  | OEM No                                                                                                                                                         | Remark |
|----------|-----------------------------|--------|-------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GTA0330* | AUDI<br>SEAT<br>SKODA<br>VW | T38054 | 532 0346 10 | VKM31044             | 1J0 145 276,<br>1J0 145 276 B,<br>6QD 145 276                                                                                                                  |        |
| GTA0340* | RENAULT                     | T39063 | 534 0163 10 | VKM36082             | 77 00 870 495                                                                                                                                                  |        |
| GTA0350* | AUDI<br>SEAT<br>SKODA<br>VW |        |             | VKM31033             | 058 903 133 C,<br>058 903 133 D                                                                                                                                |        |
| GTA0360* | CITROEN<br>PEUGEOT          | T39055 | 534 0179 10 | VKM33101             | 5751.97,<br>5751.A2,<br>9638976580,<br>9649675880                                                                                                              |        |
| GTA0370* | NISSAN<br>RENAULT           | T39009 | 534 0141 30 | VKM36050<br>VKM36058 | 11955-00QAG,<br>11955-BN701,<br>11955-BN703,<br>82 00 048 486,<br>82 00 275 844,<br>82 00 371 058                                                              |        |
| GTA0380* | ALFA ROMEO<br>FIAT          | T36006 | 532 0370 20 | VKM32006             | 46454419,<br>46514222,<br>46794035,<br>60814033                                                                                                                |        |
| GTA0390* | OPEL<br>VAUXHALL            | T38343 | 534 0134 30 | VKM35500             | 13 40 536,<br>13 40 547,<br>63 40 538,<br>90409783,<br>90528760,<br>9202550,<br>42 37 020,<br>47 50 220                                                        |        |
| GTA0400* | FORD                        | T38056 | 531 0540 10 | VKM34005             | 1004961,<br>1053684,<br>1089679,<br>96FF 19A216 AE,<br>96FF 19A216 AF,<br>1E07-15-930B                                                                         |        |
| GTA0410* | AUDI<br>SEAT<br>SKODA<br>VW | T38214 | 534 0123 20 | VKM31015             | 030 145 299 C,<br>030 145 299 F                                                                                                                                |        |
| GTA0420* | FORD                        |        |             |                      | E8DE6B209DA                                                                                                                                                    |        |
| GTA0430* | CHRYSLER                    |        |             |                      | 04792581AB                                                                                                                                                     |        |
| GTA0440* | OPEL                        |        |             |                      | 92049003                                                                                                                                                       |        |
| GTA0450* | CHRYSLER                    |        |             |                      | 0 4483 214,<br>0 4612 894,<br>0 4612 894AB,<br>0 4612 894AC,<br>0 4612 894AE,<br>0 4612 894AF,<br>0 4612 894AG,<br>K04612894AB,<br>K04612894AB,<br>K04612894AG |        |

| GMB      | MAKER             | GATES  | INA         | SKF      | OEM No                                                                                            | Remark                     |
|----------|-------------------|--------|-------------|----------|---------------------------------------------------------------------------------------------------|----------------------------|
| GTA0490* | OPEL              |        |             |          | EF6T217A,<br>9157962                                                                              |                            |
| GTA0520* | FORD              |        |             |          | YL2Z6B209AA                                                                                       |                            |
| GTA0550* | MAZDA<br>TOYOTA   | T38036 |             |          | R23015940,<br>8844035040                                                                          |                            |
| GTA0560* | DAEWOO            |        |             |          | 96344236                                                                                          | - Equivalent to<br>GTA0090 |
| GTA0570* | RENAULT<br>NISSAN | T39162 | 534 0442 10 | VKM62025 | 11955-ET00A,<br>11955-JD20A,<br>11955-JD21A,<br>11 95 5JD 20A,<br>11 95 5JD 21A,<br>77 01 065 089 |                            |
| GTA0590* | DODGE             |        |             |          | 53030958AE                                                                                        |                            |
| GTA0600* | HONDA             |        | 531 0853 10 | VKM63001 | 38942-P01-003,<br>38950-P2K-305                                                                   |                            |
| GTA0710* | HONDA             | T38016 | 532 0580 10 | VKM63014 | 31190-RL2-G01,<br>31190-RNA-003                                                                   |                            |
| GTA0720* | HYUNDAI           | T36086 | 531 0832 10 | VKM65011 | 97834-22100,<br>97834-29000,<br>97834-29010,<br>97834-2D520                                       |                            |
| GTA0740* | HYUNDAI           |        |             |          | 97706-22061                                                                                       |                            |
| GTA0750* | HYUNDAI<br>KIA    |        |             |          | 23129-4F100,<br>0K201-15-930                                                                      |                            |
| GTA0770* | HYUNDAI<br>KIA    |        |             |          | 23129-24310,<br>23129-33370,<br>0K01115930A,<br>0K72A15930                                        |                            |
| GTA0790* | DAEWOO            | T36606 |             | VKM60011 | 96208428                                                                                          |                            |
| GTA0800* | HOLDEN            |        |             |          | EP030                                                                                             |                            |
| GTA0870  | KIA               | T36389 | 532 0323 10 | VKM64014 | 0K88R1598325286-<br>4X0000K55215983C                                                              |                            |
| GTA0890* | FIAT              | T36396 | 532 0298 10 | VKM32301 | 504000412                                                                                         |                            |
| GTA0910  | HYUNDAI           | T36206 | 532 0606 10 | VKM65019 | 25287-27000,<br>25287-27001,<br>25287-27400                                                       |                            |
| GTA0930* | CHEVROLET<br>OPEL | T36388 |             | VKM60004 | 96440417,<br>48 05 183                                                                            |                            |
| GTA0970  | ALFA ROMEO        | T36394 | 532 0516 10 | VKM32104 | 55195531                                                                                          |                            |
| GTA0980* | MITSUBISHI        |        |             |          | BW940162                                                                                          |                            |
| GTA0990* | MITSUBISHI        |        |             |          | BW940138                                                                                          |                            |
| GTC0020  | OPEL<br>VAUXHALL  | T42304 | 532 0547 10 | VKM25701 | 96440326,<br>48 05 176                                                                            |                            |

Cross Reference (GMB > OE)  
3) TIMING BELT AUTO TENSIONER

| GMB      | MAKER                         | GATES  | INA         | SKF      | OEM No                                                                                                                                                               | Remark |
|----------|-------------------------------|--------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GTB0010* | CHEVROLET<br>DAEWOO           | T43039 | 531 0213 30 | VKM70000 | 25183772,<br>5094008601,<br>96350550                                                                                                                                 |        |
| GTB0020* | OPEL<br>VAUXHALL              | T43038 | 531 0101 30 | VKM15121 | 90353176,<br>90498401,<br>90499401,<br>9202478,<br>90570525,<br>09117695,<br>09202478,<br>5636721,<br>5636722,<br>636722,<br>636734,<br>636740,<br>636748,<br>636749 |        |
| GTB0030* | CHEVROLET<br>OPEL<br>VAUXHALL | T43060 | 531 0518 30 | VKM15216 | 09128516,<br>09128656,<br>24426500,<br>55567191,<br>90412783,<br>90530123,<br>9128516,<br>9128656                                                                    |        |
| GTB0040* | OPEL<br>VAUXHALL              | T43053 | 531 0273 30 | VKM15402 | 90530124,<br>9158003,<br>56 36 429,<br>6 36 727,<br>6 36 746,<br>90528200                                                                                            |        |
| GTB0050* | CHEVROLET<br>OPEL<br>VAUXHALL | T43040 | 531 0054 30 | VKM15202 | 09158004,<br>9158004,<br>56 36 738,<br>6 36 726,<br>6 36 737,<br>90411774,<br>90530125                                                                               |        |
| GTB0060* | HYUNDAI                       | T43135 | 531 0532 10 | VKM75636 | 24410-23050                                                                                                                                                          |        |
| GTB0100* | RENAULT                       | T43014 | 531 0547 10 | VKM16102 | 82 00 102 941,<br>82 00 585 574                                                                                                                                      |        |
| GTB0110* | CITROEN<br>PEUGEOT<br>FIAT    | T43023 | 531 0572 10 | VKM13253 | 0829.90,<br>9642929880,<br>9400829909                                                                                                                                |        |
| GTB0120* | CITROEN<br>PEUGEOT            | T43159 | 531 0632 10 | VKM13256 | 0829.A0,<br>0829.C8,<br>0829.F6                                                                                                                                      |        |
| GTB0130* | AUDI<br>SEAT<br>SKODA<br>VW   | T43149 | 531 0317 10 | VKM11120 | 036 109 243 AB,<br>036 109 243 AD,<br>036 109 243 AF,<br>036 109 243 E,<br>036 109 243 L,<br>036 109 243 R                                                           |        |

PART 4  
Cross Reference (GMB > OE)

GMB  
2017 TENSIONER & IDLER BEARING

| GMB      | MAKER                              | GATES  | INA         | SKF      | OEM No                                                                                                                                                                 | Remark |
|----------|------------------------------------|--------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GTB0140* | AUDI<br>SEAT<br>SKODA<br>VW        | T43140 | 531 0339 10 | VKM11124 | 036 109 243 AC,<br>036 109 243 AG,<br>036 109 243 K,<br>036 109 243 S                                                                                                  |        |
| GTB0150* | AUDI<br>SEAT<br>SKODA<br>VW        | T43010 | 531 0203 20 | VKM11113 | 06A 109 479,<br>06A 109 479 A,<br>06A 109 479 C,<br>06A 109 479 F                                                                                                      |        |
| GTB0160* | RENAULT                            | T43236 |             | VKM16022 | 13 07 011 92R                                                                                                                                                          |        |
| GTB0200* | CITROEN<br>PEUGEOT<br>FIAT<br>FORD | T43158 | 531 0555 10 | VKM13140 | 0829.88,<br>9400829889,<br>1145947,<br>1359934,<br>1473365,<br>1481774,<br>1562503,<br>2S6Q 6B217 AA,<br>2S6Q 6B217 AB,<br>2S6Q 6B217 AC,<br>2S6Q 6B217 AD             |        |
| GTB0210* | AUDI<br>SEAT<br>SKODA<br>VW        | T43142 | 531 0777 10 | VKM11222 | 06D 109 243 B                                                                                                                                                          |        |
| GTB0220* | CITROEN<br>PEUGEOT                 | T43022 | 531 0546 10 | VKM13234 | 0829.77,<br>0829.92,<br>0829.96,<br>0829.A7,<br>9643329680                                                                                                             |        |
| GTB0230* | CITROEN<br>PEUGEOT                 | T43088 | 531 0757 10 | VKM13258 | 0829.A5,<br>0829.C6,<br>9645209880                                                                                                                                     |        |
| GTB0240* | CITROEN<br>PEUGEOT                 | T43157 | 531 0478 10 | VKM13132 | 0829.82,<br>0829.C7                                                                                                                                                    |        |
| GTB0250* | OPEL<br>VAUXHALL<br>RENAULT        | T43035 | 531 0630 30 | VKM16550 | 44 49 588,<br>93198653,<br>77 00 108 920,<br>77 00 114 860,<br>82 00 061 345,<br>82 00 086 697,<br>82 00 222 092,<br>82 00 499 908,<br>82 00 499 909,<br>82 00 676 403 |        |
| GTB0260* | AUDI<br>SEAT<br>SKODA<br>VW        | T43078 | 531 0318 10 | VKM11121 | 036 109 243 F                                                                                                                                                          |        |
| GTB0270* | AUDI<br>SEAT<br>VW<br>FORD         | T43069 | 531 0251 30 | VKM11014 | 028 109 243 E,<br>028 109 243 F,<br>1058458,<br>1669904,<br>95VW 6K254 CA,<br>95VW 6K254 DA                                                                            |        |

Cross Reference (GMB > OE)  
3) TIMING BELT AUTO TENSIONER

| GMB      | MAKER                               | GATES  | INA         | SKF      | OEM No                                                                                                                                                | Remark |
|----------|-------------------------------------|--------|-------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GTB0280* | FORD                                | T43116 | 531 0497 10 | VKM14108 | 1079173,<br>1113174,<br>1215978,<br>1479084,<br>2T1Q 6K254 AA,<br>2T1Q 6K254 AB,<br>XS4Q 6B217 AD                                                     |        |
| GTB0290* | FORD                                | T43115 | 531 0345 10 | VKM14211 | 1000159,<br>1072031,<br>1107573,<br>1328472,<br>988M 6K254 AB,<br>988M 6K254 AC,<br>988M 6K254 AD,<br>988M 6K254 AE                                   |        |
| GTB0300* | AUDI<br>SEAT<br>SKODA<br>VW         | T43062 | 531 0440 30 | VKM11130 | 038 109 243,<br>038 109 243 D,<br>038 109 243 F,<br>038 109 243 G,<br>038 109 243 H,<br>038 109 243 N                                                 |        |
| GTB0310* | CITROEN<br>PEUGEOT                  | T43050 | 531 0529 10 | VKM13214 | 0820.23,<br>0829.69,<br>9635336880                                                                                                                    |        |
| GTB0320* | NISSAN<br>RENAULT                   | T43126 | 531 0404 10 | VKM16002 | 13077-00Q0A,<br>13077-00Q0B,<br>13077-00QAG,<br>13077-00QAL,<br>13 07 015 64R,<br>13 07 052 95R,<br>82 00 035 827,<br>82 00 103 069,<br>82 00 454 895 |        |
| GTB0330* | VOLVO                               | T43173 |             | VKM16038 | 30637955                                                                                                                                              |        |
| GTB0340* | CITROEN<br>PEUGEOT<br>FORD<br>VOLVO | T43089 | 531 0756 10 | VKM13257 | 0829.A4,<br>9640828480,<br>1231975,<br>3M5Q 6B217 AA,<br>8653651                                                                                      |        |
| GTB0350* | PROTON                              |        |             |          | PW812717                                                                                                                                              |        |
| GTB0360* | CHERY                               |        |             |          | 473H-1007060                                                                                                                                          |        |
| GTB0370* | CHRYSLER                            | T43008 | 531 0869 10 |          | 04781570AB,<br>K04781570AB                                                                                                                            |        |
| GTB0380* | FORD / VOLVO                        | T43171 | 531 0813 10 | VKM14224 | 1361983,<br>1376164,<br>5M5G 6K254 AB,<br>30735750,<br>30750905                                                                                       |        |

| GMB      | MAKER                  | GATES  | INA         | SKF      | OEM No                                                                                                                                                                       | Remark |
|----------|------------------------|--------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GTB0390* | ALFA ROMEO             | T43211 | 531 0844 10 | VKM12174 | 55183527,<br>55191315,<br>55192323,<br>55212159,<br>55238027,<br>60813592,<br>71747799,<br>7778565,<br>56 36 456,<br>56 36 475,<br>56 36 745,<br>93178816, 93181966          |        |
| GTB0410* | FORD                   | T43127 | 531 0586 10 | VKM14222 | 1039422,<br>1072131,<br>1104087,<br>1111911,<br>1113355,<br>1301973,<br>1361840,<br>4M5G 6K254 DA,<br>4M5G 6K254 DB,<br>98MM 6K254 AC,<br>98MM 6K254 AD                      |        |
| GTB0420* | NISSAN<br>OPEL         | T43117 | 531 0548 10 | VKM16503 | 13070-00QAD,<br>13070-00QAE,<br>44 01 430,<br>44 18 672,<br>45 06 090,<br>9109430,<br>9109430,<br>9201537,<br>93195464,<br>82 00 009 194,<br>82 00 127 467,<br>82 00 839 580 |        |
| GTB0430* | AUDI<br>VW             | T43047 | 531 0274 30 | VKM11072 | 074 109 243 F,<br>074 109 243 G,<br>074 109 243 J,<br>074 109 243 R                                                                                                          |        |
| GTB0440* | AUDI<br>VW<br>VOLVO    | T43048 | 531 0276 30 | VKM11073 | 074 130 195 B,<br>9207927                                                                                                                                                    |        |
| GTB0450* | AUDI<br>VW             | T43046 | 531 0252 30 | VKM11106 | 030 109 243 D,<br>030 109 243 F,<br>030 109 243 J,<br>030 109 243 K                                                                                                          |        |
| GTB0460* | AUDI<br>VW<br>VOLVO    | T43067 | 531 0342 30 | VKM11257 | 074 109 243 E,<br>074 109 243 M,<br>8677053                                                                                                                                  |        |
| GTB0470* | FIAT<br>LANCIA<br>OPEL | T43055 | 531 0414 30 | VKM12201 | 55248394,<br>73503128,<br>46403679,<br>6 36 279,<br>95512799                                                                                                                 |        |

Cross Reference (GMB > OE)

3) TIMING BELT AUTO TENSIONER

| GMB      | MAKER                        | GATES  | INA         | SKF      | OEM No                                                                                                  | Remark |
|----------|------------------------------|--------|-------------|----------|---------------------------------------------------------------------------------------------------------|--------|
| GTB0480* | FORD<br>LANCIA               | T43156 | 531 0778 10 | VKM12206 | 55233759,<br>55183497,<br>1535439                                                                       |        |
| GTB0490* | FIAT                         | T43163 | 531 0505 10 | VKM12390 | 504010846,<br>504183759                                                                                 |        |
| GTB0500* | AUDI<br>VW                   |        | 531 0277 30 | VKM11105 | 030 109 243C                                                                                            |        |
| GTB0510* | OPEL<br>VAUXHALL             |        | 531 0679 30 | VKM15140 | 92065368,<br>56 36 746,<br>56 36 384,<br>55353810                                                       |        |
| GTB0530* | FORD                         |        | 531 0627 30 | VKM14216 | 1104003,<br>978M6K254AD                                                                                 |        |
| GTB0540* | CITROEN<br>PEUGEOT           | T43230 | 531 0850 10 | VKM13316 | 0829.F8,<br>9677655880                                                                                  |        |
| GTB0550* | ALFA ROMEO<br>FIAT<br>LANCIA |        | 531 0281 30 | VKM12173 | 60596372,<br>55192239                                                                                   |        |
| GTB0560* | ALFA ROMEO<br>FIAT<br>LANCIA |        | 531 0411 30 | VKM12182 | 60652477,<br>55192240                                                                                   |        |
| GTB0570* | FIAT<br>LANCIA               |        | 531 0254 30 | VKM12215 | 55196971,<br>7782192                                                                                    |        |
| GTB0580* | ALFA ROMEO<br>FIAT<br>LANCIA |        | 531 0849 10 | VKM12002 | 55211749                                                                                                |        |
| GTB0590* | FIAT<br>LANCIA               |        | 531 0413 30 | VKM12172 | 7772961,<br>55192773                                                                                    |        |
| GTB0600* | AUDI<br>SEAT<br>SKODA<br>VW  |        |             | VKM11225 | 06D 109 243 C                                                                                           |        |
| GTB0610* | AUDI<br>SEAT<br>SKODA<br>VW  |        | 531 0678 30 | VKM11220 | 06D 109 243                                                                                             |        |
| GTB0630* | AUDI<br>SEAT<br>VW           |        | 531 0253 30 | VKM11012 | 028 109 243,<br>028 109 243 B                                                                           |        |
| GTB0650* | CHRYSLER                     |        | 531 0785 10 | VKM18601 | 5066 826AA,<br>5142798AA                                                                                |        |
| GTB0700* | AUDI<br>VW                   |        | 531 0573 30 | VKM11151 | 059 109 243 F,<br>059 109 243 G,<br>059 109 243 L                                                       |        |
| GTB0710* | VW                           |        | 531 0882 10 |          | 04C 109 479 G,<br>04C 109 479 H,<br>04C 109 479 J,<br>04E 109 479 A,<br>04E 109 479 B,<br>04E 109 479 C |        |
| GTB0720* | PEUGEOT                      |        |             |          | K-914561428A                                                                                            |        |

PART 4 Cross Reference (GMB > OE)

Cross Reference (GMB > OE)

4) HYDRAULIC AUTO TENSIONER



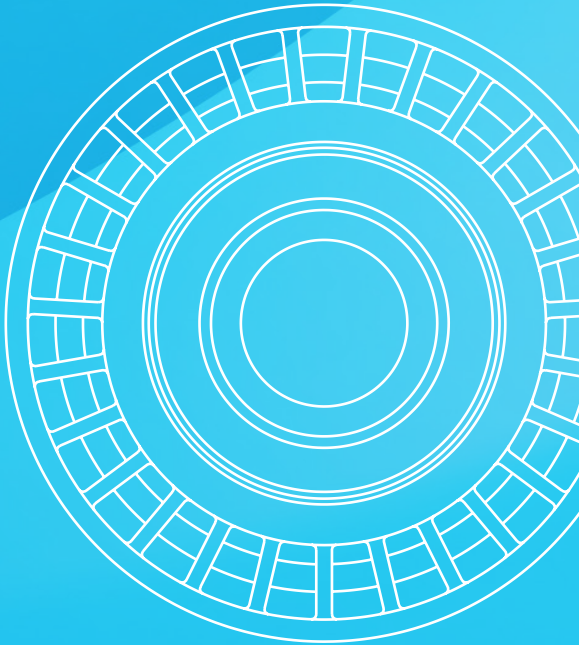
2017 TENSIONER & IDLER BEARING

| GMB       | MAKER                       | GATES  | INA         | SKF      | OEM No                                                                                                  | Remark |
|-----------|-----------------------------|--------|-------------|----------|---------------------------------------------------------------------------------------------------------|--------|
| GHAT-01   | TOYOTA                      |        |             | VKM61078 | 16601-28041,<br>16601-28050                                                                             |        |
| GHAT-02   | NISSAN<br>TOYOTA            |        |             | VKM61072 | 11752-2W200,<br>11752-2W202,<br>11752-2W203,<br>11752-2W20A,<br>16620-22013(Piston)                     |        |
| GHAT-03   | TOYOTA                      | T43226 | 533 0108 10 | VKM71809 | 13540-0L010,<br>13540-67010,<br>13540-67020                                                             |        |
| GHAT-100* | HYUNDAI                     | T43193 |             | VKM75641 | 24410-37100                                                                                             |        |
| GHAT-101* | HYUNDAI                     |        |             | VKM75644 | 24410-33101,<br>24410-33180,<br>24410-33190                                                             |        |
| GHAT-102* | HYUNDAI                     | T43178 |             | VKM75643 | 24410-38001                                                                                             |        |
| GHAT-103* | HYUNDAI                     |        |             |          | 24410-35590                                                                                             |        |
| GHAT-104* | HYUNDAI                     |        |             | VKM75642 | 24410-39001                                                                                             |        |
| GHAT-144  | AUDI<br>SEAT<br>SKODA<br>VW | T43063 | 533 0035 10 | VKM11145 | 045 109 479 B,<br>1119023,<br>YM21 6B260 AA                                                             |        |
| GHAT-147  | SUBARU                      | T43137 | 531 0655 20 | VKM78005 | 13033-AA001,<br>13033-AA002,<br>13033-AA040,<br>13033-AA041,<br>13033-AA042                             |        |
| GHAT-150  | AUDI<br>SEAT<br>VW<br>FORD  | T43031 | 533 0039 10 | VKM11144 | 045 109 479 C,<br>1100566,<br>XM21 6B260 AA                                                             |        |
| GHAT-165  | TOYOTA                      | T43121 | 533 0094 10 | VKM71812 | 13540-27010,<br>13540-27011                                                                             |        |
| GHAT-173  | MITSUBISHI                  | T43185 | 533 0113 10 | VKM75678 | 1145A031,<br>1145A031V T                                                                                |        |
| GHAT-174  | MAZDA                       | T43077 | 533 0096 10 | VKM74616 | RF2A-12-770B                                                                                            |        |
| GHAT-178  | HONDA                       | T39077 | 534 0534 10 | VKM63019 | 31170-RWK-005,<br>31170-RWK-025,<br>31170-RWK-035,<br>31170-RZP-G01,<br>31170-RZP-G03,<br>31170-RZP-G04 |        |
| GHAT-179  | MAZDA                       |        |             | VKM64077 | PE03-15-980A                                                                                            |        |

Cross Reference (GMB > OE)

5) ACCESSARY DRIVE AUTO TENSIONER

| GMB      | MAKER   | GATES  | INA         | SKF      | OEM No                                                      | Remark |
|----------|---------|--------|-------------|----------|-------------------------------------------------------------|--------|
| GAT10010 | HYUNDAI | T39071 | 534 0430 10 | VKM65039 | 25281-25000                                                 |        |
| GAT10020 | HYUNDAI | T39210 | 534 0417 10 | VKM64056 | 25281-2B000,<br>25281-2B010,<br>25281-2B020                 |        |
| GAT10030 | HYUNDAI |        |             |          | 25281-2E000                                                 |        |
| GAT10040 | HYUNDAI | T39275 | 534 0429 10 |          | 25281-2F000                                                 |        |
| GAT10050 | HYUNDAI | T38454 | 534 0306 10 | VKM65027 | 25281-27000,<br>25281-27001,<br>25281-27010,<br>25281-27060 |        |
| GAT10060 | HYUNDAI | T39134 | 534 0341 10 | VKM64011 | 25281-4A000,<br>25281-4A010                                 |        |
| GAT10070 | HYUNDAI | T39123 | 534 0423 10 | VKM64010 | 25281-2A000,<br>25281-2A100,<br>25281-2A150,<br>25281-2A200 |        |



PART 5

Weight & Packing List



Weight & Packing List

| GMB      | Weight [g] | In-Box Size |
|----------|------------|-------------|
| GAT10010 | 863        | 140x160x100 |
| GAT10020 | 955        | 140x160x100 |
| GAT10030 | 974        | 200x80x140  |
| GAT10040 | 814        | 200x80x140  |
| GAT10050 | 858        | 140x160x100 |
| GAT10060 | 1148       | 160x120x120 |
| GAT10070 | 650        | 140x160x100 |
| GHAT-01  | 190        | 140x160x100 |
| GHAT-02  | 200        | TBD         |
| GHAT-03  | 150        | TBD         |
| GHAT-144 | 400        | TBD         |
| GHAT-147 | 800        | TBD         |
| GHAT-150 | 375        | TBD         |
| GHAT-165 | 200        | TBD         |
| GHAT-173 | 190        | 140x160x100 |
| GHAT-174 | 190        | TBD         |
| GHAT-178 | 181        | TBD         |
| GHAT-179 | 200        | TBD         |
| GT10010  | 416        | 110x100x50  |
| GT10022  | 432        | 110x100x50  |
| GT10031  | 442        | 110x100x50  |
| GT10032  | 566        | 110x100x50  |
| GT10040  | 216        | 70x70x42    |
| GT10050  | 409        | 70x70x50    |
| GT10060  | 335        | 70x70x50    |
| GT10061  | 290        | 70x70x50    |
| GT10070  | 202        | 70x70x42    |
| GT10072  | 268        | 70x70x42    |
| GT10080  | 408        | 105x70x50   |
| GT10090  | 577        | 110x100x50  |
| GT10100  | 388        | 70x70x50    |
| GT10101  | 389        | 70x70x50    |
| GT10110  | 334        | 70x70x50    |
| GT10111  | 435        | 70x70x50    |
| GT10120  | 753        | 122x122x50  |
| GT10130  | 487        | 110x100x50  |
| GT10140  | 640        | 122x122x50  |
| GT10150  | 540        | 85x85x55    |
| GT10160  | 328        | 110x100x50  |

|         |     |            |
|---------|-----|------------|
| GT10170 | 278 | 110x100x50 |
| GT10180 | 740 | 122x122x50 |
| GT10190 | 790 | 122x122x50 |
| GT10240 | 297 | 70x70x50   |
| GT10290 | 560 | 110x100x50 |
| GT10300 | 190 | 85x85x55   |
| GT10321 | 610 | 110x100x50 |
| GT10360 | 560 | 122x122x50 |
| GT10390 | 340 | 85x85x55   |
| GT10510 | 310 | 70x70x50   |
| GT10520 | 430 | 70x70x50   |
| GT20010 | 251 | 70x70x42   |
| GT20020 | 345 | 70x70x50   |
| GT20030 | 345 | 70x70x50   |
| GT20040 | 215 | 70x70x42   |
| GT20050 | 256 | 70x70x50   |
| GT20060 | 244 | 70x70x42   |
| GT20070 | 501 | 75x75x65   |
| GT20090 | 658 | 75x75x65   |
| GT20100 | 644 | 75x75x65   |
| GT20110 | 446 | 70x70x50   |
| GT20120 | 336 | 105x70x50  |
| GT20130 | 336 | 105x70x50  |
| GT20140 | 243 | 70x70x72   |
| GT20150 | 350 | 70x70x50   |
| GT20160 | 322 | 70x70x50   |
| GT30010 | 187 | 70x70x50   |
| GT30500 | TBD | 63x63x34   |
| GT30510 | 162 | 71x71x41   |
| GT30520 | 212 | 87x87x35   |
| GT30540 | 147 | 71x71x41   |
| GT30550 | 145 | 105x70x50  |
| GT40010 | 287 | 70x70x50   |
| GT40920 | TBD | 85x85x55   |
| GT40930 | 240 | TBD        |
| GT40940 | 99  | 40x40x60   |
| GT40950 | 810 | TBD        |
| GT40960 | 520 | TBD        |
| GT40970 | 190 | TBD        |



2017 TENSIONER & IDLER BEARING

| GMB     | Weight [g] | In-Box Size |
|---------|------------|-------------|
| GT40990 | 150        | 40x40x60    |
| GT50010 | 232        | TBD         |
| GT50030 | 233        | 85x85x55    |
| GT50500 | 224        | 71x71x41    |
| GT50510 | 256        | 71x71x41    |
| GT50520 | TBD        | 71x71x41    |
| GT50530 | 389        | 71x71x41    |
| GT50540 | 324        | 71x71x41    |
| GT50550 | 287        | 71x71x41    |
| GT50560 | 730        | 100x60x220  |
| GT50570 | 665        | 100x60x220  |
| GT50580 | 315        | 125x105x47  |
| GT50590 | 604        | 142x118x46  |
| GT50600 | 317        | 105x70x50   |
| GT50610 | 287        | 100x60x220  |
| GT50620 | 620        | 142x118x46  |
| GT50630 | 85         | 40x40x60    |
| GT50680 | TBD        | 85x85x55    |
| GT50920 | 760        | 110x100x50  |
| GT50930 | TBD        | 71x71x41    |
| GT60010 | TBD        | 85x85x55    |
| GT60030 | 310        | 105x70x50   |
| GT60040 | 530        | 110x100x50  |
| GT60050 | TBD        | 70x70x42    |
| GT60060 | 560        | TBD         |
| GT60070 | 354        | 70x70x50    |
| GT60080 | 270        | 70x70x50    |
| GT60090 | 261        | 70x70x42    |
| GT60100 | 321        | 70x70x50    |
| GT60110 | 496        | 122x122x50  |
| GT60120 | 800        | 145x145x42  |
| GT60130 | 746        | TBD         |
| GT60140 | 596        | 122x122x50  |
| GT60150 | 429        | 110x100x50  |
| GT60160 | 316        | 105x70x50   |
| GT60170 | 559        | 85x85x55    |
| GT60180 | 349        | 70x70x50    |
| GT60190 | 330        | 70x70x50    |
| GT60200 | 285        | 70x70x50    |

| GMB     | Weight [g] | In-Box Size |
|---------|------------|-------------|
| GT60210 | 464        | 105x70x50   |
| GT60230 | 179        | 70x70x50    |
| GT60240 | 302        | 105x70x50   |
| GT60250 | 278        | 70x70x42    |
| GT60270 | 126        | 70x70x42    |
| GT60280 | 250        | 75x75x65    |
| GT60290 | 341        | 70x70x50    |
| GT60330 | 85         | 40x40x60    |
| GT60340 | 112        | 40x40x60    |
| GT60350 | 81         | 40x40x60    |
| GT60360 | 319        | 105x70x50   |
| GT60370 | 377        | 70x70x50    |
| GT60380 | 830        | 85x85x55    |
| GT60390 | 911        | 122x122x50  |
| GT60395 | 850        | 122x122x50  |
| GT60400 | 453        | 70x70x50    |
| GT60410 | 113        | 40x40x60    |
| GT60420 | 821        | 85x85x55    |
| GT60430 | 408        | 85x85x55    |
| GT60440 | 410        | 85x85x55    |
| GT60450 | 590        | TBD         |
| GT60460 | 340        | TBD         |
| GT60470 | 324        | 70x70x50    |
| GT60480 | 350        | 70x70x50    |
| GT60490 | 575        | 122x122x50  |
| GT60510 | 91         | 70x70x42    |
| GT60520 | 490        | 105x70x50   |
| GT60530 | 420        | 105x70x50   |
| GT60540 | 480        | 105x70x50   |
| GT60550 | 220        | 105x70x50   |
| GT60580 | 160        | 70x70x50    |
| GT60600 | 690        | 100x80x70   |
| GT60610 | TBD        | 105x70x50   |
| GT60620 | 540        | 110x100x50  |
| GT60630 | 550        | 110x100x50  |
| GT60640 | 340        | 70x70x50    |
| GT60650 | 820        | 110x100x50  |
| GT60660 | 810        | 110x100x50  |
| GT60670 | 360        | 70x70x50    |

Weight & Packing List

| GMB     | Weight [g] | In-Box Size    |         |     |                |
|---------|------------|----------------|---------|-----|----------------|
| GT60680 | 220        | 85 X 85 X 55   | GT80050 | 298 | 105 X 70 X 50  |
| GT60760 | 630        | TBD            | GT80060 | 217 | 70 X 70 X 50   |
| GT60790 | 210        | TBD            | GT80070 | 395 | 85 X 85 X 55   |
| GT60930 | 232        | 71 X 71 X 41   | GT80080 | 314 | 150 X 70 X 42  |
| GT70310 | 320        | TBD            | GT80090 | 424 | 110 X 100 X 50 |
| GT70320 | 320        | TBD            | GT80100 | 370 | 105 X 70 X 50  |
| GT70330 | 310        | TBD            | GT80110 | 230 | 70 X 70 X 50   |
| GT70390 | 268        | 63 X 63 X 34   | GT80120 | 322 | 150 X 70 X 42  |
| GT70400 | 248        | 75 X 75 X 65   | GT80140 | 747 | 110 X 100 X 50 |
| GT70410 | 430        | 87 X 87 X 35   | GT80150 | 507 | 105 X 70 X 50  |
| GT70420 | 275        | 125 X 105 X 47 | GT80160 | 271 | 70 X 70 X 42   |
| GT70430 | 484        | 75 X 75 X 65   | GT80170 | 327 | 105 X 70 X 50  |
| GT70440 | 335        | 71 X 71 X 41   | GT80180 | 235 | 70 X 70 X 42   |
| GT70450 | 488        | 75 X 75 X 65   | GT80190 | 486 | 105 X 70 X 50  |
| GT70460 | 408        | 75 X 75 X 65   | GT80200 | 256 | 70 X 70 X 50   |
| GT70470 | 354        | 75 X 75 X 65   | GT80210 | 373 | 105 X 70 X 50  |
| GT70480 | 102        | 71 X 71 X 41   | GT80220 | 271 | 150 X 70 X 42  |
| GT70490 | 426        | 87 X 87 X 35   | GT80230 | 247 | 70 X 70 X 42   |
| GT70720 | 490        | 142 X 118 X 46 | GT80240 | 563 | 145 X 145 X 42 |
| GT70730 | 259        | 68 X 68 X 85   | GT80250 | 730 | 110 X 100 X 50 |
| GT70740 | 194        | 83 X 83 X 34   | GT80260 | 295 | 70 X 70 X 50   |
| GT70750 | 280        | 81 X 81 X 43   | GT80270 | 500 | 110 X 100 X 50 |
| GT70760 | 330        | 75 X 75 X 65   | GT80280 | 415 | 85 X 85 X 55   |
| GT70770 | 101        | 63 X 63 X 34   | GT80290 | 195 | 70 X 70 X 42   |
| GT70780 | 132        | 83 X 83 X 34   | GT80300 | 284 | 70 X 70 X 50   |
| GT70790 | 104        | 83 X 83 X 34   | GT80310 | 151 | 70 X 70 X 42   |
| GT70800 | 155        | 71 X 71 X 41   | GT80320 | 159 | 70 X 70 X 42   |
| GT70810 | 220        | 71 X 71 X 41   | GT80330 | 206 | 70 X 70 X 42   |
| GT70820 | 507        | 105 X 80 X 55  | GT80340 | 525 | 75 X 75 X 65   |
| GT70830 | 410        | TBD            | GT80350 | 265 | 70 X 70 X 50   |
| GT70930 | 290        | 70 X 70 X 50   | GT80360 | 451 | 105 X 70 X 50  |
| GT70940 | 555        | 75 X 75 X 65   | GT80370 | 386 | 105 X 70 X 50  |
| GT70950 | 330        | TBD            | GT80380 | 294 | 70 X 70 X 42   |
| GT70960 | 220        | TBD            | GT80390 | 415 | 85 X 85 X 55   |
| GT70970 | 340        | TBD            | GT80400 | 418 | 85 X 85 X 55   |
| GT80010 | 262        | 70 X 70 X 50   | GT80410 | 255 | 70 X 70 X 50   |
| GT80020 | 395        | 105 X 70 X 50  | GT80420 | 368 | 105 X 70 X 50  |
| GT80030 | 270        | 70 X 70 X 42   | GT80430 | 300 | 70 X 70 X 50   |
| GT80040 | 262        | 70 X 70 X 42   | GT80440 | 434 | 105 X 70 X 50  |



2017 TENSIONER & IDLER BEARING

| GMB     | Weight [g] | In-Box Size    | GMB     | Weight [g] | In-Box Size    |
|---------|------------|----------------|---------|------------|----------------|
| GT80450 | 337        | 105 X 70 X 50  | GT80840 | 511        | 70 X 70 X 50   |
| GT80460 | 853        | 145 X 145 X 42 | GT80850 | 294        | 70 X 70 X 50   |
| GT80470 | 595        | 110 X 100 X 50 | GT80860 | 334        | 105 X 70 X 50  |
| GT80480 | 207        | 70 X 70 X 42   | GT80870 | 477        | 75 X 75 X 65   |
| GT80490 | 456        | 105 X 70 X 50  | GT80880 | 438        | 75 X 75 X 65   |
| GT80500 | 408        | TBD            | GT80890 | 418        | 110 X 100 X 50 |
| GT80510 | 409        | 105 X 70 X 50  | GT80900 | 416        | 110 X 100 X 50 |
| GT80520 | 375        | 70 X 70 X 50   | GT80910 | 456        | 105 X 70 X 50  |
| GT80530 | 338        | 70 X 70 X 50   | GT80920 | 474        | 105 X 70 X 50  |
| GT80540 | 533        | 105 X 70 X 50  | GT80930 | 552        | 75 X 75 X 65   |
| GT80550 | 493        | 110 X 100 X 50 | GT80940 | 189        | 70 X 70 X 42   |
| GT80560 | 330        | 105 X 70 X 50  | GT80950 | 208        | 70 X 70 X 42   |
| GT80570 | 370        | 105 X 70 X 50  | GT80970 | 281        | 105 X 70 X 50  |
| GT80580 | 318        | 70 X 70 X 50   | GT80980 | 294        | 70 X 70 X 42   |
| GT80590 | 376        | 70 X 70 X 50   | GT80990 | 334        | 105 X 70 X 50  |
| GT80600 | 539        | 110 X 100 X 50 | GT90000 | 415        | 110 X 100 X 50 |
| GT80610 | 448        | 105 X 70 X 50  | GT90010 | 289        | 70 X 70 X 50   |
| GT80620 | 440        | 110 X 100 X 50 | GT90020 | 322        | 70 X 70 X 50   |
| GT80630 | 317        | 70 X 70 X 50   | GT90030 | 378        | 85 X 85 X 55   |
| GT80640 | 280        | 70 X 70 X 42   | GT90040 | 322        | 105 X 70 X 50  |
| GT80650 | 306        | 70 X 70 X 50   | GT90050 | 565        | 105 X 70 X 50  |
| GT80660 | 470        | 105 X 70 X 50  | GT90060 | 755        | 75 X 75 X 65   |
| GT80670 | 570        | 110 X 100 X 50 | GT90070 | 366        | 75 X 75 X 65   |
| GT80680 | 510        | 85 X 85 X 55   | GT90080 | 650        | 75 X 75 X 65   |
| GT80690 | 291        | 70 X 70 X 42   | GT90085 | 670        | 75 X 75 X 65   |
| GT80700 | 307        | 70 X 70 X 50   | GT90090 | 530        | 85 X 85 X 55   |
| GT80710 | 310        | 105 X 70 X 50  | GT90100 | 1045       | 110 X 100 X 50 |
| GT80720 | 618        | 85 X 85 X 55   | GT90110 | 640        | 110 X 100 X 50 |
| GT80730 | 159        | 70 X 70 X 42   | GT90115 | 700        | 122 X 122 X 50 |
| GT80740 | 370        | 75 X 75 X 65   | GT90120 | 613        | 122 X 122 X 50 |
| GT80750 | 200        | 75 X 75 X 65   | GT90130 | 444        | 70 X 70 X 50   |
| GT80760 | 596        | 85 X 85 X 55   | GT90140 | 338        | 105 X 70 X 50  |
| GT80770 | 358        | 70 X 70 X 50   | GT90150 | 675        | 105 X 70 X 50  |
| GT80780 | 208        | 70 X 70 X 42   | GT90160 | 350        | 75 X 75 X 65   |
| GT80790 | 310        | 105 X 70 X 50  | GT90170 | 584        | 105 X 70 X 50  |
| GT80800 | 335        | 70 X 70 X 50   | GT90180 | 212        | 70 X 70 X 42   |
| GT80810 | 350        | 75 X 75 X 65   | GT90200 | 598        | 145 X 145 X 42 |
| GT80820 | 429        | 85 X 85 X 55   | GT90210 | 450        | 105 X 70 X 50  |
| GT80830 | 426        | 85 X 85 X 55   | GT90220 | 270        | 70 X 70 X 50   |

Weight & Packing List

| GMB     | Weight [g] | In-Box Size    |         |     |                |
|---------|------------|----------------|---------|-----|----------------|
| GT90230 | 548        | 110 X 100 X 50 | GT90620 | 269 | 70 X 70 X 50   |
| GT90240 | 328        | 70 X 70 X 50   | GT90630 | 290 | 105 X 70 X 50  |
| GT90250 | 285        | 70 X 70 X 42   | GT90640 | 255 | 70 X 70 X 50   |
| GT90260 | 353        | 70 X 70 X 50   | GT90650 | 260 | 105 X 70 X 50  |
| GT90270 | 263        | 70 X 70 X 50   | GT90660 | 287 | 105 X 70 X 50  |
| GT90280 | 446        | 70 X 70 X 50   | GT90670 | 671 | 85 X 85 X 55   |
| GT90290 | 270        | 105 X 70 X 50  | GT90680 | 470 | 110 X 100 X 50 |
| GT90300 | 307        | 70 X 70 X 50   | GT90690 | 453 | 110 X 100 X 50 |
| GT90310 | 625        | 145 X 145 X 42 | GT90700 | 276 | 70 X 70 X 42   |
| GT90320 | 495        | 110 X 100 X 50 | GT90710 | 463 | 70 X 70 X 50   |
| GT90330 | 348        | 105 X 70 X 50  | GT90720 | 575 | 110 X 100 X 50 |
| GT90340 | 760        | 110 X 100 X 50 | GT90730 | 220 | 70 X 70 X 42   |
| GT90350 | 134        | 70 X 70 X 42   | GT90740 | 300 | 70 X 70 X 50   |
| GT90360 | 146        | 70 X 70 X 42   | GT90750 | 540 | 75 X 75 X 65   |
| GT90370 | 253        | 70 X 70 X 42   | GT90760 | 430 | 105 X 70 X 50  |
| GT90380 | 490        | 105 X 70 X 50  | GT90770 | TBD | 105 X 70 X 50  |
| GT90390 | 170        | 70 X 70 X 50   | GT90780 | 321 | 105 X 70 X 50  |
| GT90400 | 241        | 85 X 85 X 55   | GT90790 | 238 | 105 X 70 X 50  |
| GT90410 | 342        | 75 X 75 X 65   | GT90800 | 345 | 105 X 70 X 50  |
| GT90420 | 744        | 85 X 85 X 55   | GT90810 | 362 | 105 X 70 X 50  |
| GT90430 | 212        | 70 X 70 X 42   | GT90820 | 634 | 85 X 85 X 55   |
| GT90440 | 1837       | 162 X 115 X 96 | GT90830 | 430 | 105 X 70 X 50  |
| GT90450 | 530        | 85 X 85 X 55   | GT90840 | 313 | 70 X 70 X 50   |
| GT90460 | 486        | 105 X 70 X 50  | GT90845 | 290 | 70 X 70 X 50   |
| GT90470 | 723        | 75 X 75 X 65   | GT90850 | 695 | 70 X 70 X 50   |
| GT90480 | 613        | 105 X 70 X 50  | GT90860 | 102 | 70 X 70 X 42   |
| GT90490 | 474        | 70 X 70 X 50   | GT90870 | 423 | 105 X 70 X 50  |
| GT90500 | 873        | 110 X 100 X 50 | GT90880 | 626 | 100 X 80 X 70  |
| GT90510 | 415        | 105 X 70 X 50  | GT90890 | 544 | 105 X 70 X 50  |
| GT90520 | 242        | 70 X 70 X 42   | GT90900 | 396 | 70 X 70 X 42   |
| GT90530 | 460        | 75 X 75 X 65   | GTA0010 | 94  | 63 X 63 X 34   |
| GT90540 | 163        | 70 X 70 X 42   | GTA0020 | 94  | 71 X 71 X 41   |
| GT90550 | 465        | 110 X 100 X 50 | GTA0030 | 104 | 71 X 71 X 41   |
| GT90560 | 448        | 70 X 70 X 50   | GTA0040 | 94  | 71 X 71 X 41   |
| GT90570 | 448        | 85 X 85 X 55   | GTA0050 | 96  | 63 X 63 X 34   |
| GT90580 | 175        | 70 X 70 X 50   | GTA0060 | 205 | 71 X 71 X 41   |
| GT90590 | 460        | 105 X 70 X 50  | GTA0070 | 97  | 71 X 71 X 41   |
| GT90600 | 425        | 75 X 75 X 65   | GTA0080 | 101 | 83 X 83 X 34   |
| GT90610 | 256        | 70 X 70 X 50   | GTA0090 | 186 | 71 X 71 X 41   |



2017 TENSIONER & IDLER BEARING

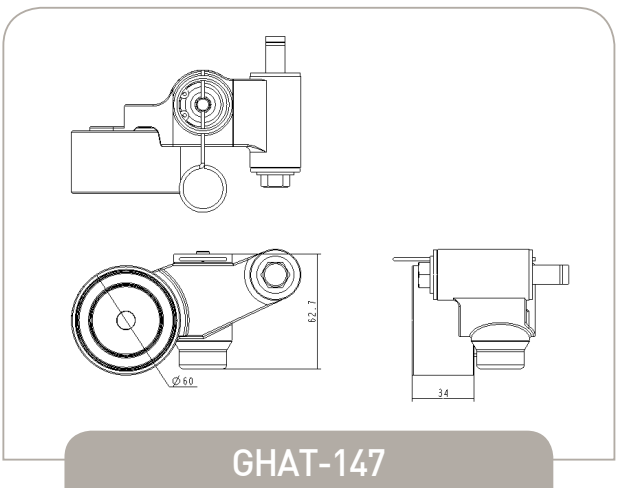
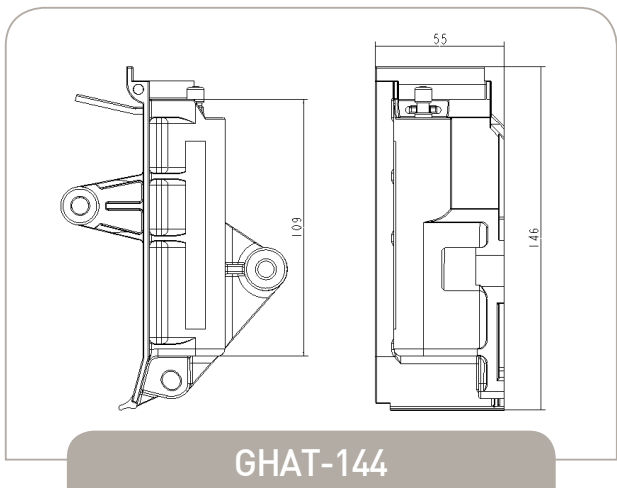
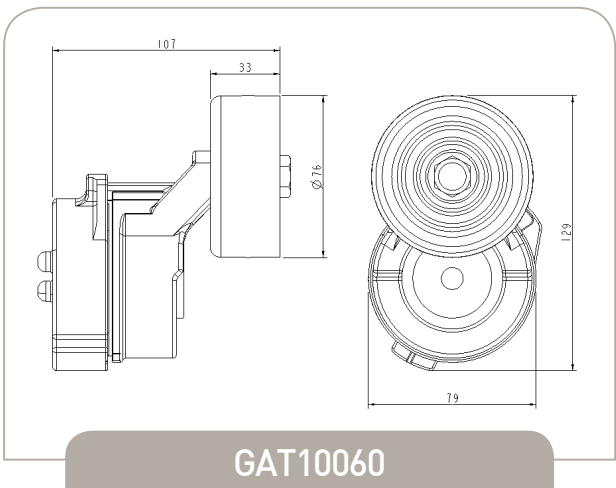
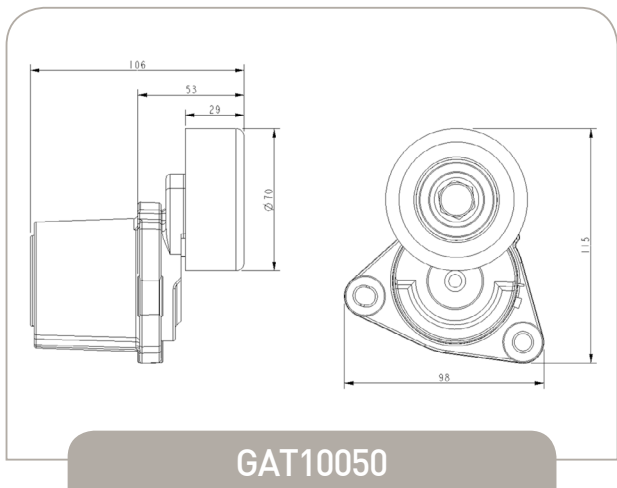
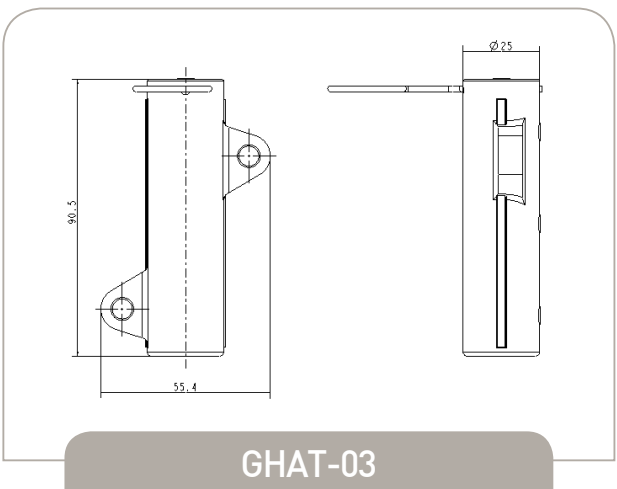
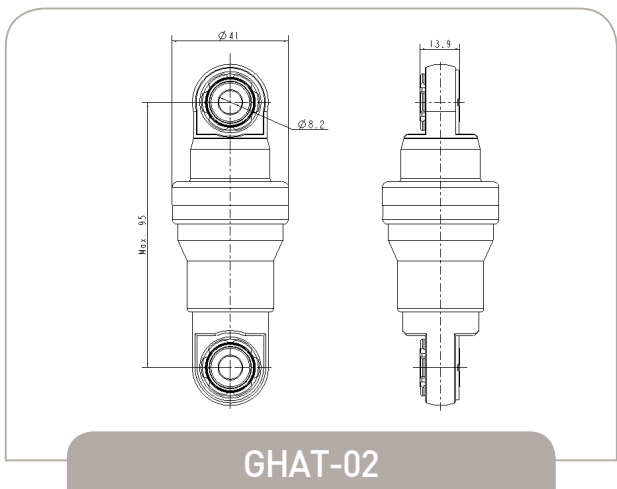
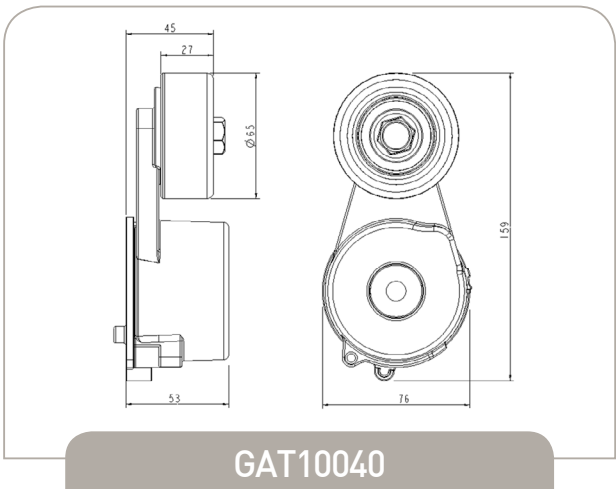
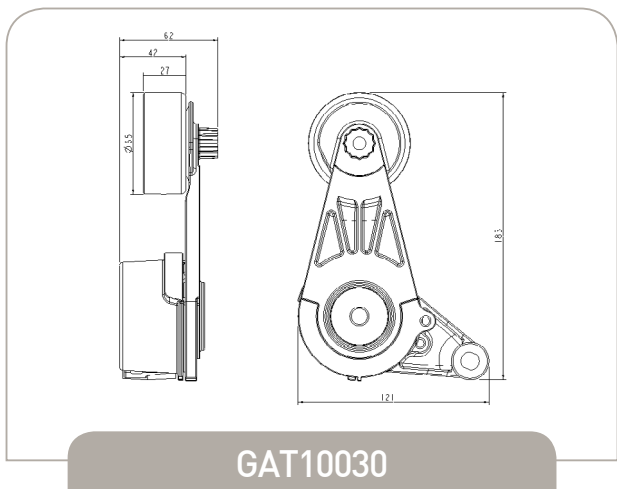
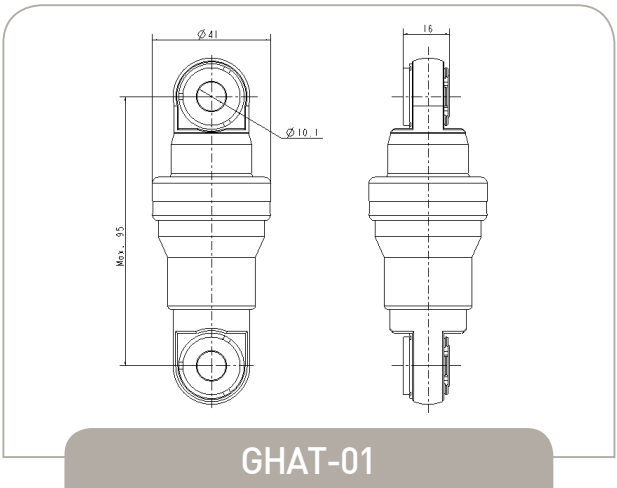
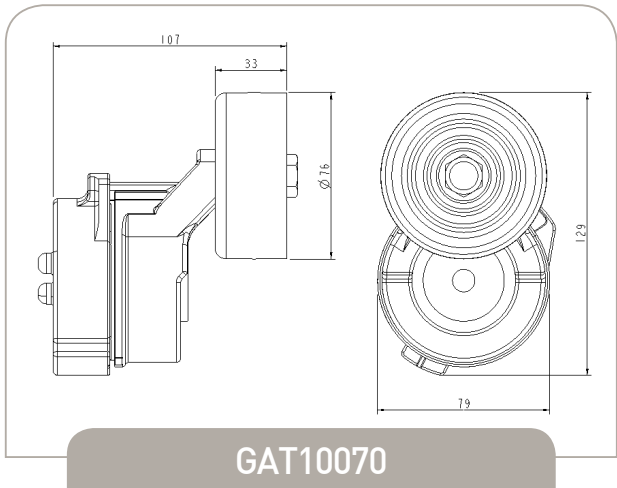
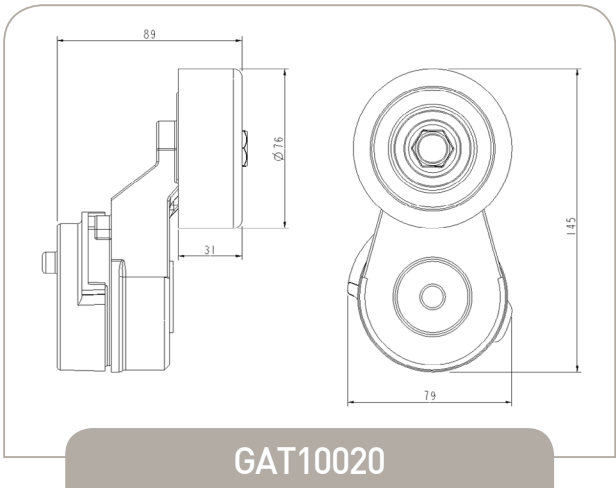
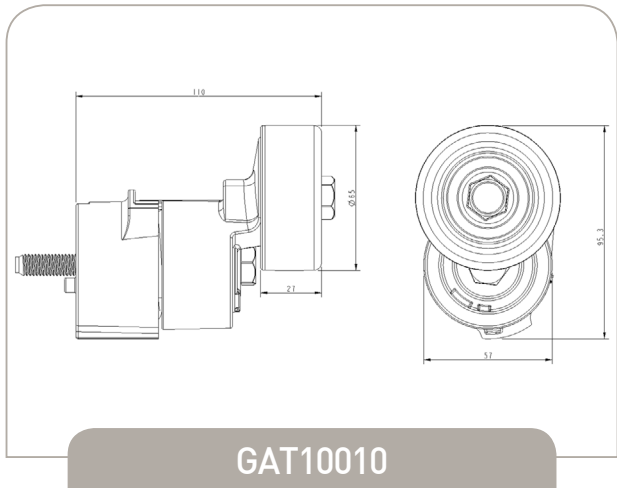
| GMB     | Weight [g] | In-Box Size  | GMB     | Weight [g] | In-Box Size   |
|---------|------------|--------------|---------|------------|---------------|
| GTA0100 | 115        | 96 X 96 X 31 | GTA0560 | 211        | 71 X 71 X 41  |
| GTA0110 | 182        | 75 X 75 X 65 | GTA0570 | 206        | 71 X 71 X 41  |
| GTA0120 | 99         | 71 X 71 X 41 | GTA0590 | 290        | 83 X 83 X 34  |
| GTA0130 | 247        | 68 X 68 X 85 | GTA0600 | 210        | 83 X 83 X 34  |
| GTA0140 | 85         | 63 X 63 X 34 | GTA0710 | 282        | TBD           |
| GTA0150 | 114        | 71 X 71 X 41 | GTA0720 | 260        | 83 X 83 X 34  |
| GTA0160 | 91         | 71 X 71 X 41 | GTA0740 | 245        | 83 X 83 X 34  |
| GTA0170 | 96         | 71 X 71 X 41 | GTA0750 | 331        | 96 X 96 X 31  |
| GTA0180 | 185        | 63 X 63 X 34 | GTA0770 | 192        | 83 X 83 X 34  |
| GTA0190 | 231        | 71 X 71 X 41 | GTA0790 | 233        | 83 X 83 X 34  |
| GTA0200 | 105        | 71 X 71 X 41 | GTA0800 | 273        | 83 X 83 X 34  |
| GTA0210 | 80         | 83 X 83 X 34 | GTA0890 | 366        | 75 X 75 X 65  |
| GTA0220 | 162        | 83 X 83 X 34 | GTB0010 | 360        | 120 X 80 X 60 |
| GTA0230 | 125        | 96 X 96 X 31 | GTB0020 | 305        | 81 X 81 X 43  |
| GTA0240 | 160        | 71 X 71 X 41 | GTB0030 | 274        | 81 X 81 X 43  |
| GTA0250 | 120        | 83 X 83 X 34 | GTB0040 | 323        | 81 X 81 X 43  |
| GTA0260 | 208        | 83 X 83 X 34 | GTB0050 | 316        | 81 X 81 X 43  |
| GTA0270 | 105        | 83 X 83 X 34 | GTB0060 | 453        | 99 X 99 X 60  |
| GTA0280 | 89         | 63 X 63 X 34 | GTB0100 | 265        | 85 X 85 X 55  |
| GTA0290 | 98         | 71 X 71 X 41 | GTB0110 | 255        | 85 X 85 X 55  |
| GTA0300 | 213        | 68 X 68 X 85 | GTB0120 | 452        | 88 X 88 X 53  |
| GTA0310 | 190        | 75 X 75 X 65 | GTB0130 | 385        | 75 X 75 X 65  |
| GTA0320 | 112        | 83 X 83 X 34 | GTB0140 | 325        | 83 X 83 X 34  |
| GTA0330 | 112        | 83 X 83 X 34 | GTB0150 | 465        | 88 X 88 X 53  |
| GTA0340 | 104        | 83 X 83 X 34 | GTB0160 | 251        | 81 X 81 X 43  |
| GTA0350 | 193        | 83 X 83 X 34 | GTB0200 | 283        | 88 X 88 X 53  |
| GTA0360 | 96         | 63 X 63 X 34 | GTB0210 | 450        | 88 X 88 X 53  |
| GTA0370 | 102        | 71 X 71 X 41 | GTB0220 | 288        | 88 X 88 X 53  |
| GTA0380 | 210        | 81 X 81 X 43 | GTB0230 | 265        | 88 X 88 X 53  |
| GTA0390 | 134        | 83 X 83 X 34 | GTB0240 | 423        | 88 X 88 X 53  |
| GTA0400 | 105        | 83 X 83 X 34 | GTB0250 | 283        | 81 X 81 X 43  |
| GTA0410 | 108        | 71 X 71 X 41 | GTB0260 | 224        | 83 X 83 X 34  |
| GTA0420 | 226        | 83 X 83 X 34 | GTB0270 | 458        | 81 X 81 X 43  |
| GTA0430 | 233        | 83 X 83 X 34 | GTB0280 | 274        | 83 X 83 X 34  |
| GTA0440 | 236        | 96 X 96 X 31 | GTB0290 | 308        | 88 X 88 X 53  |
| GTA0450 | 317        | 96 X 96 X 31 | GTB0300 | 468        | 88 X 88 X 53  |
| GTA0490 | 274        | 83 X 83 X 34 | GTB0310 | 273        | 88 X 88 X 53  |
| GTA0520 | 249        | 83 X 83 X 34 | GTB0320 | 278        | 88 X 88 X 53  |
| GTA0550 | 275        | 83 X 83 X 34 | GTB0330 | 365        | 88 X 88 X 53  |

Weight & Packing List

| GMB     | Weight (g) | In-Box Size    |
|---------|------------|----------------|
| GTB0340 | 270        | 88 X 88 X 53   |
| GTB0350 | 260        | 88 X 88 X 53   |
| GTB0360 | 345        | 88 X 88 X 53   |
| GTB0370 | 670        | 195 X 195 X 80 |
| GTB0380 | 270        | 88 X 88 X 53   |
| GTB0390 | 345        | 88 X 88 X 53   |
| GTB0410 | 409        | 120 X 80 X 60  |
| GTB0420 | 260        | 88 X 88 X 53   |
| GTB0430 | 364        | 88 X 88 X 53   |
| GTB0440 | 318        | 81 X 81 X 43   |
| GTB0450 | 390        | 85 X 85 X 55   |
| GTB0460 | 362        | 88 X 88 X 53   |
| GTB0470 | 338        | 81 X 81 X 43   |
| GTB0480 | 255        | 71 X 71 X 41   |
| GTB0490 | 436        | 88 X 88 X 53   |
| GTB0500 | 290        | 85 X 85 X 55   |
| GTB0510 | 325        | 81 X 81 X 43   |
| GTB0530 | 310        | 88 X 88 X 53   |
| GTB0540 | 285        | 88 X 88 X 53   |
| GTB0550 | 375        | 88 X 88 X 53   |
| GTB0560 | 310        | 88 X 88 X 53   |
| GTB0570 | 395        | 88 X 88 X 53   |
| GTB0580 | 405        | 88 X 88 X 53   |
| GTB0590 | 425        | 88 X 88 X 53   |
| GTB0600 | 445        | 88 X 88 X 53   |
| GTB0610 | 435        | 88 X 88 X 53   |
| GTB0630 | 490        | 125 X 105 X 47 |
| GTB0650 | 510        | 88 X 88 X 53   |
| GTB0700 | 410        | 85 X 85 X 55   |
| GTB0710 | 385        | 85 X 85 X 55   |
| GTB0720 | 365        | 88 X 88 X 53   |

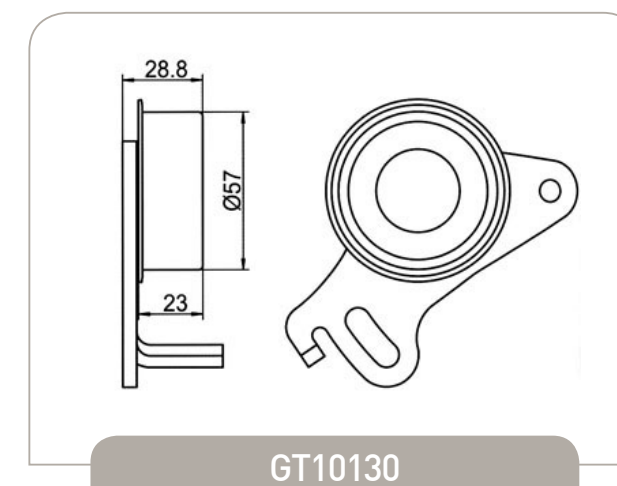
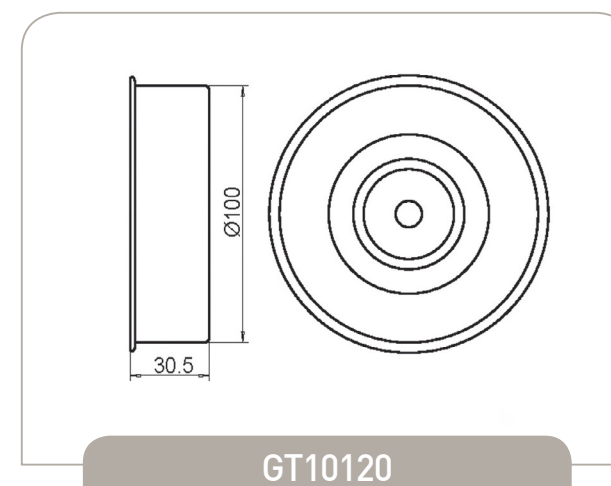
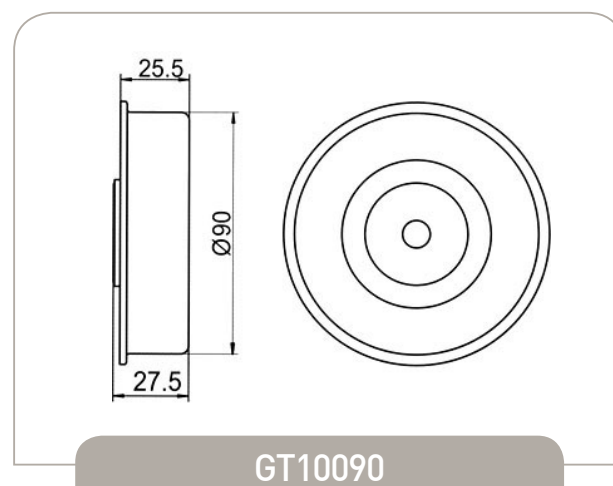
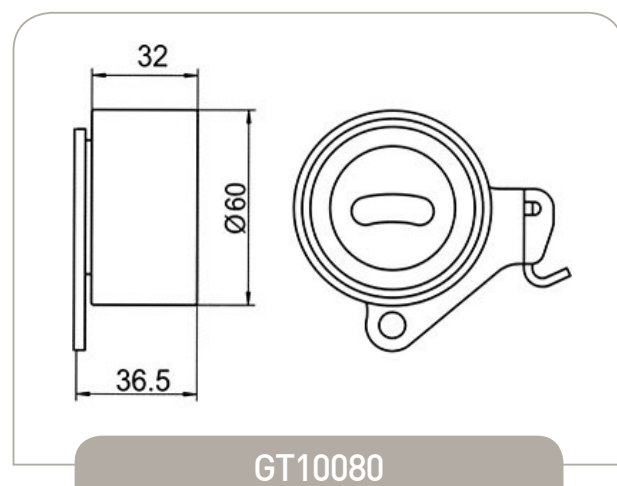
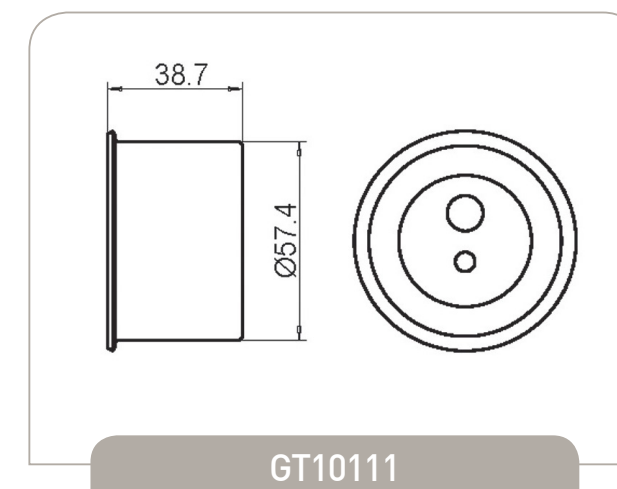
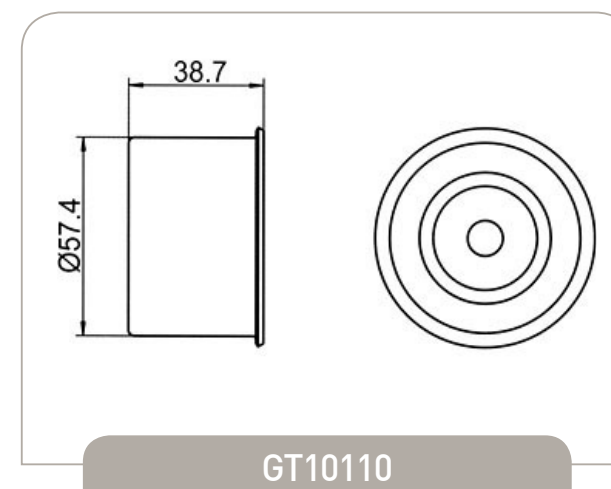
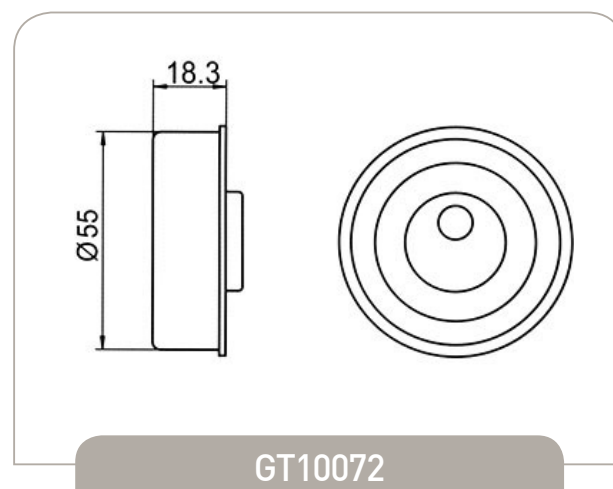
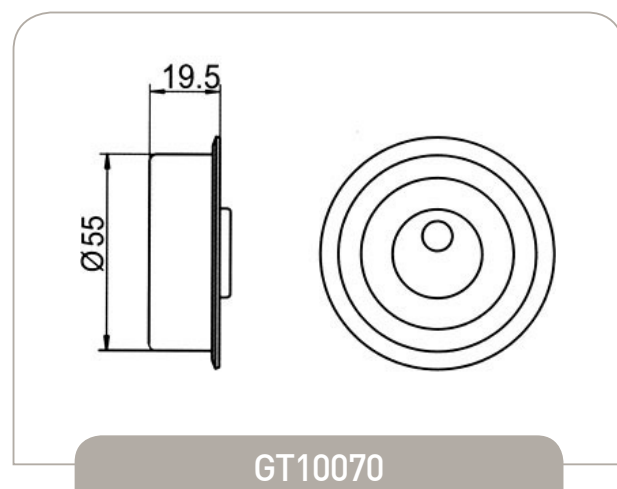
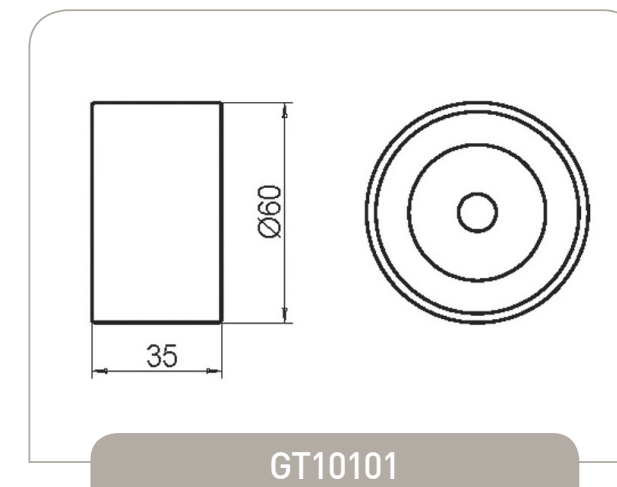
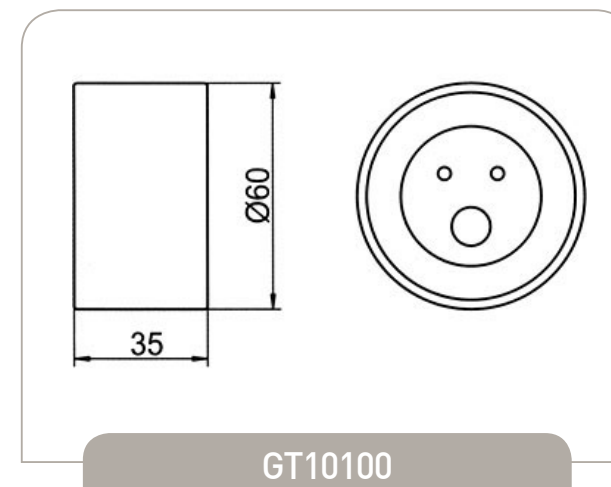
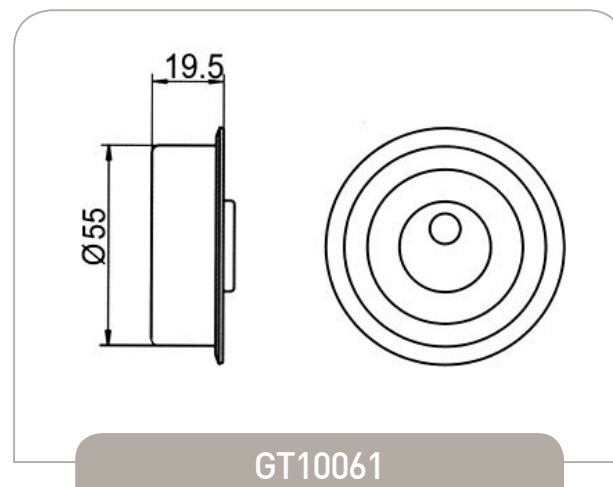
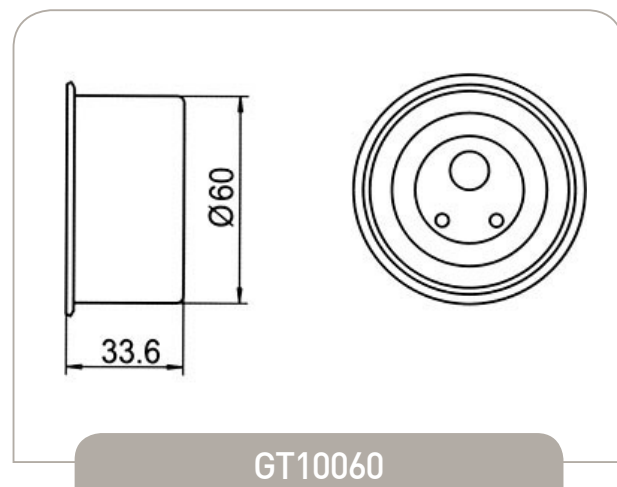


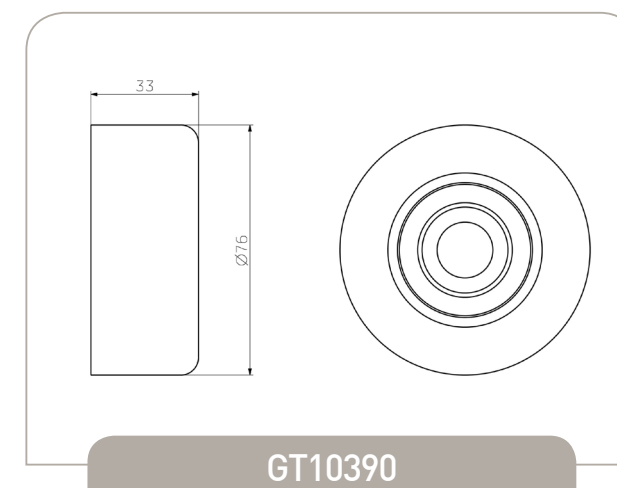
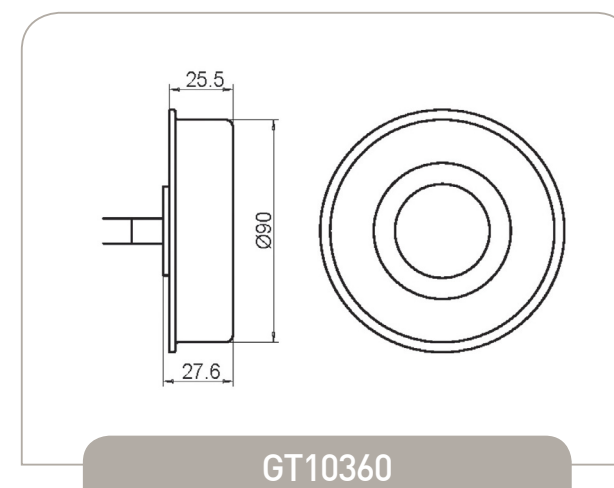
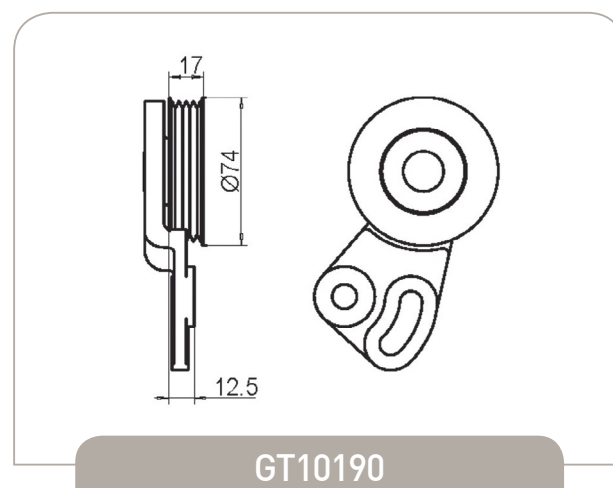
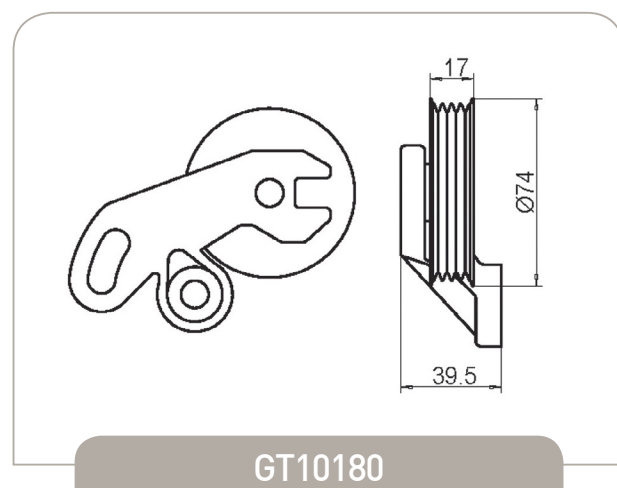
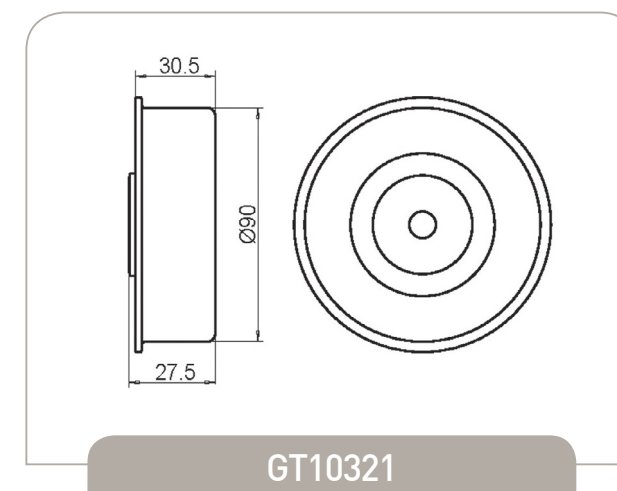
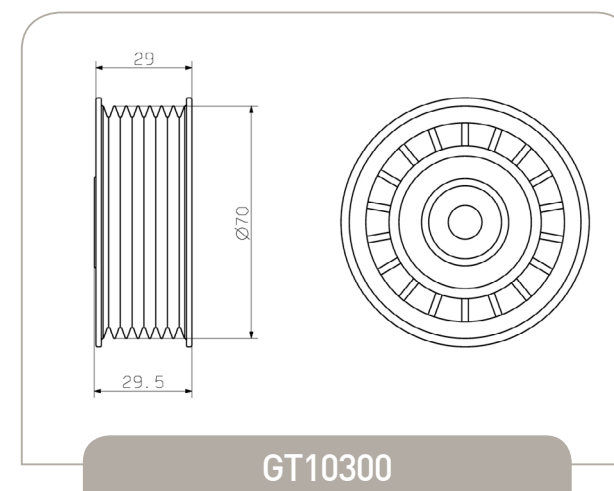
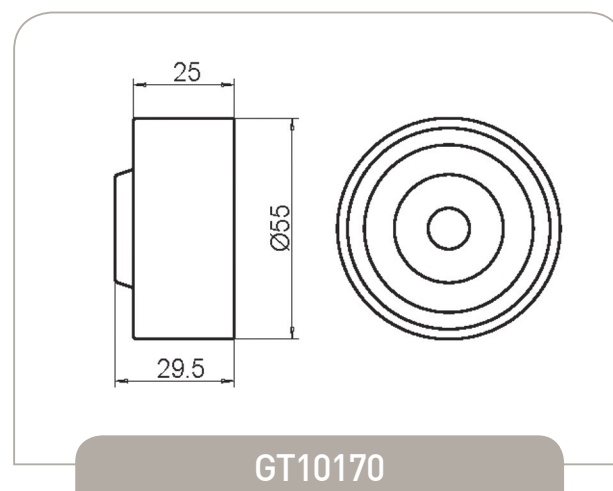
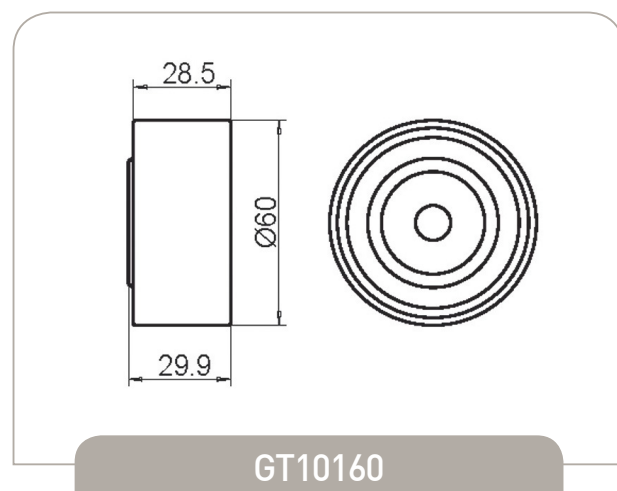
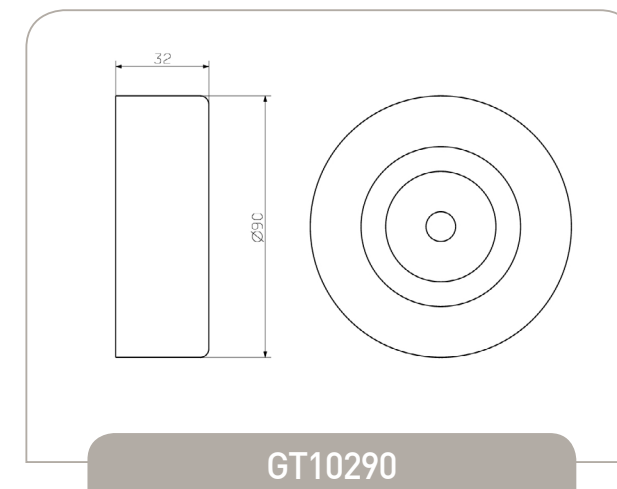
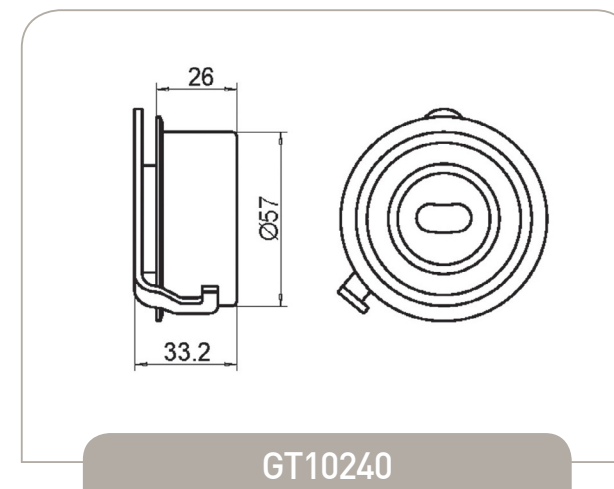
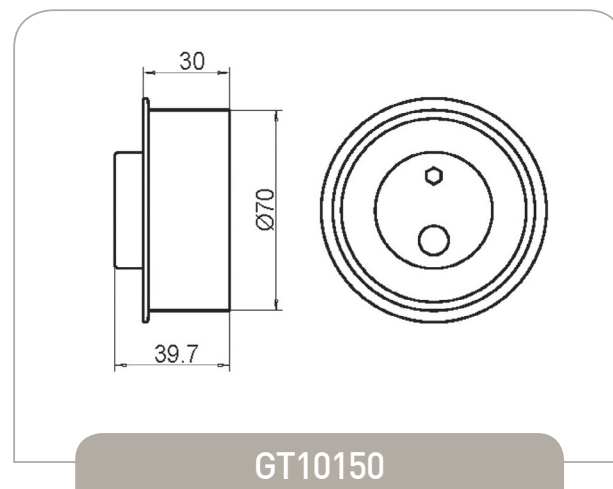
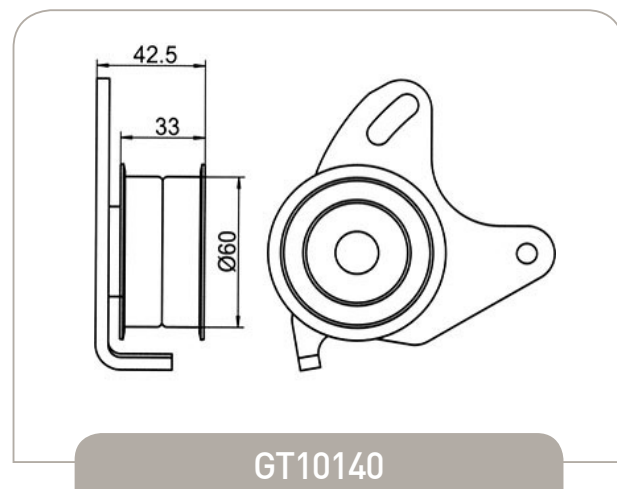
PART 6  
BRIEF DRAWING

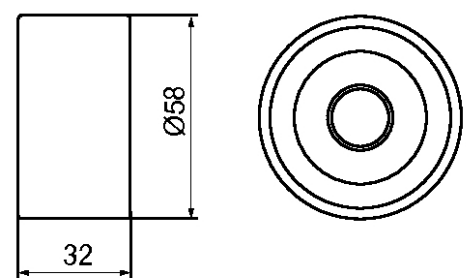




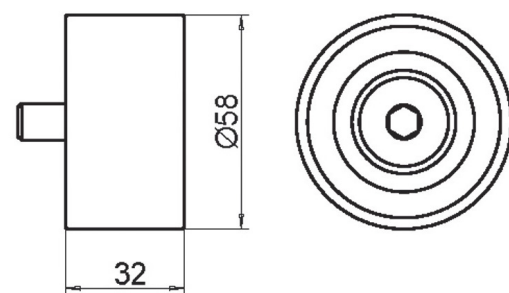




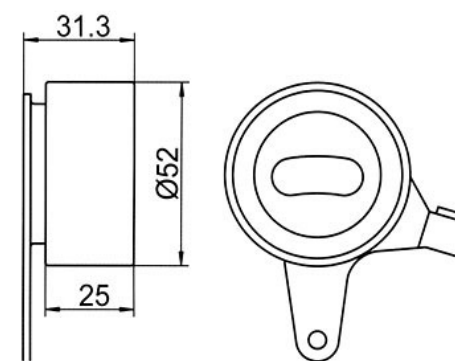




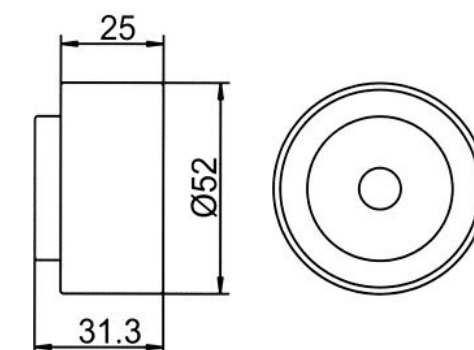
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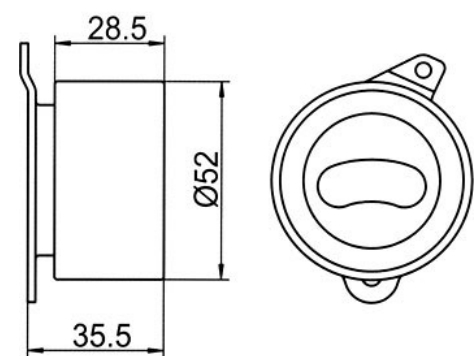
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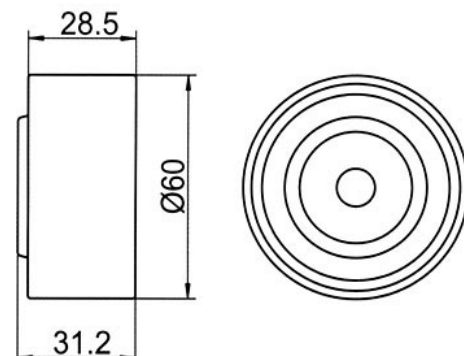
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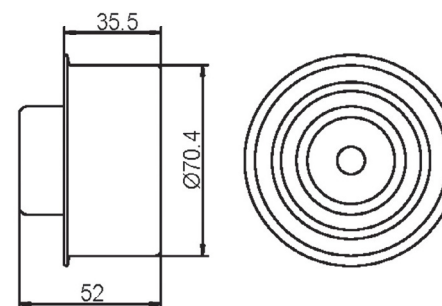
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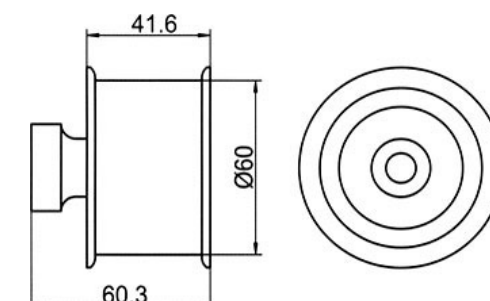
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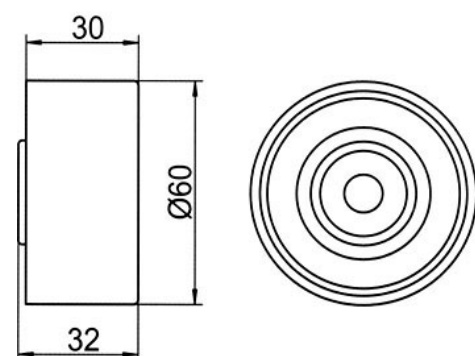
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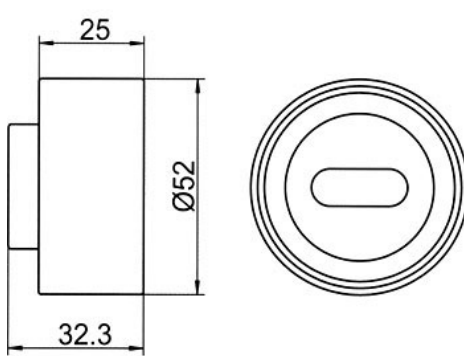
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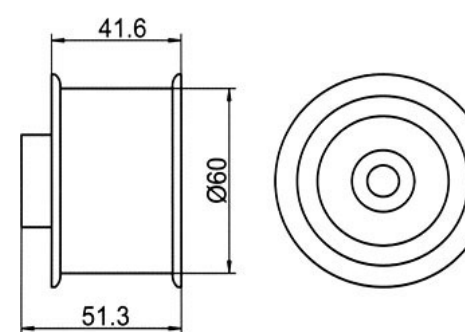
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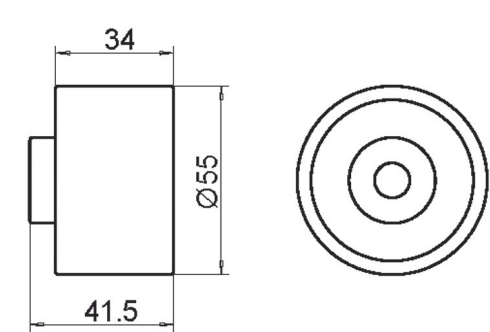
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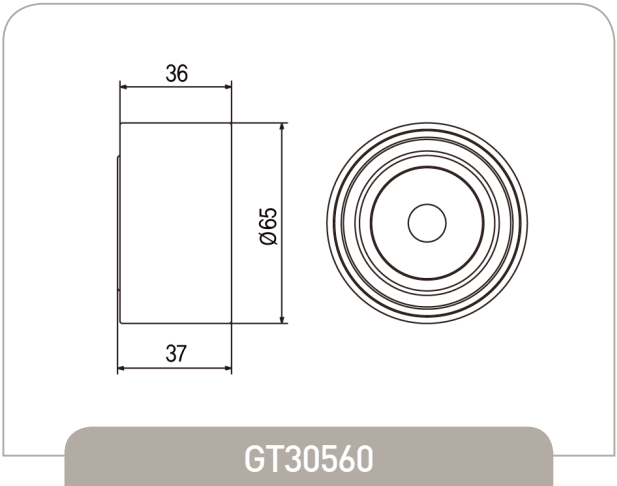
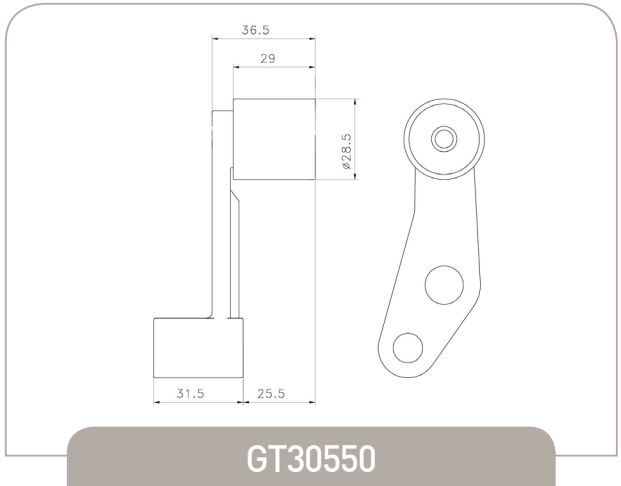
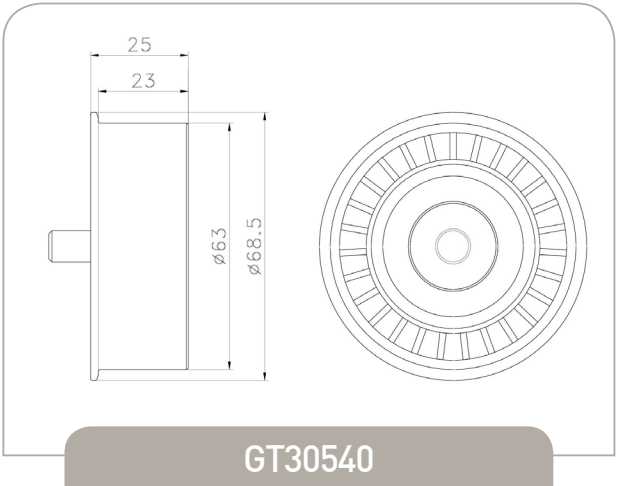
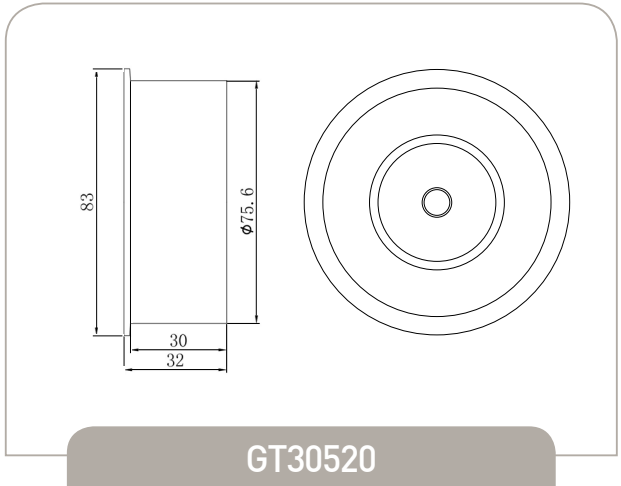
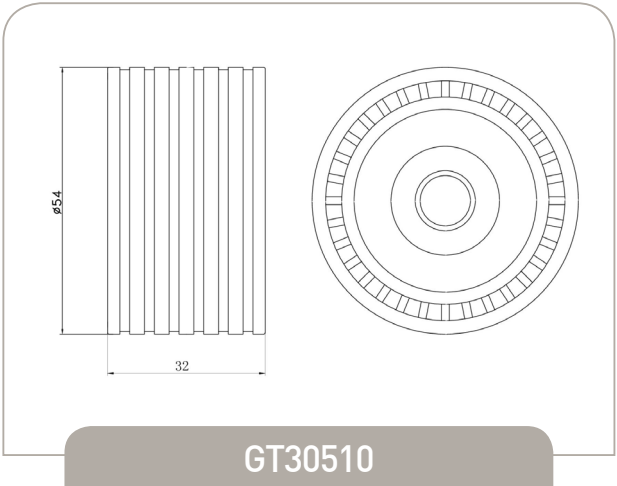
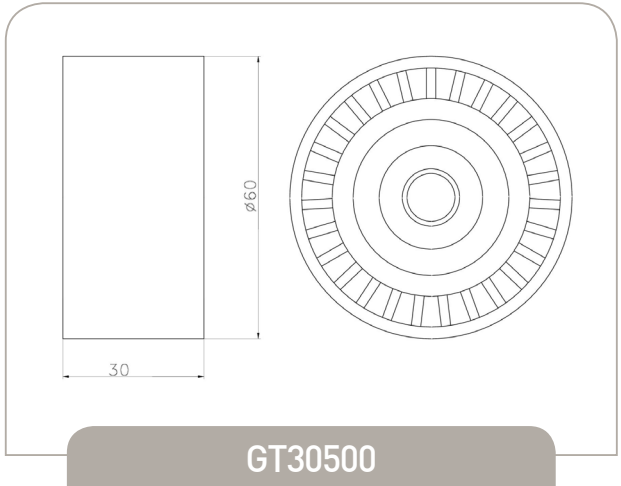
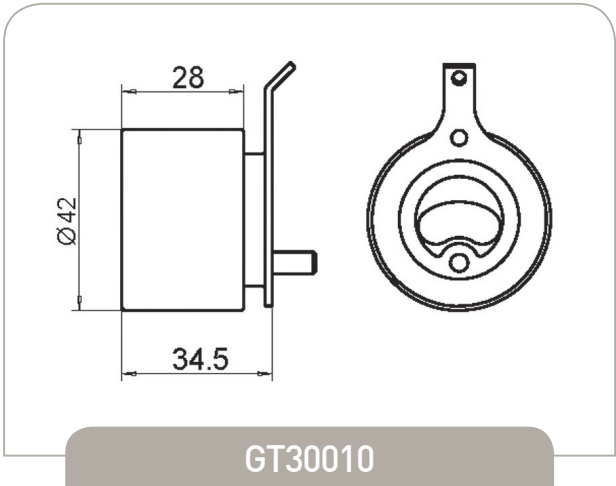
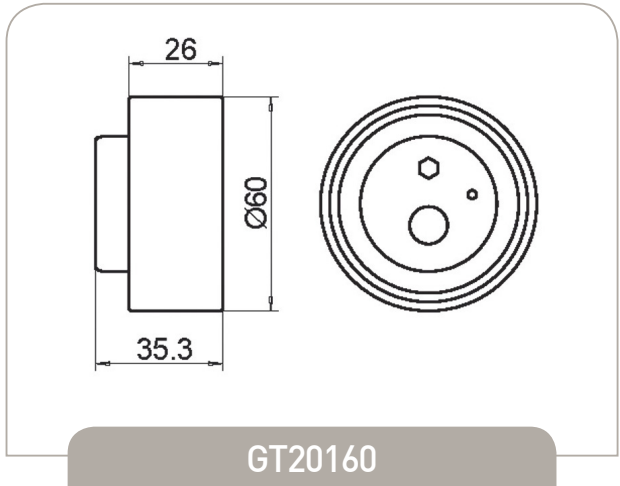
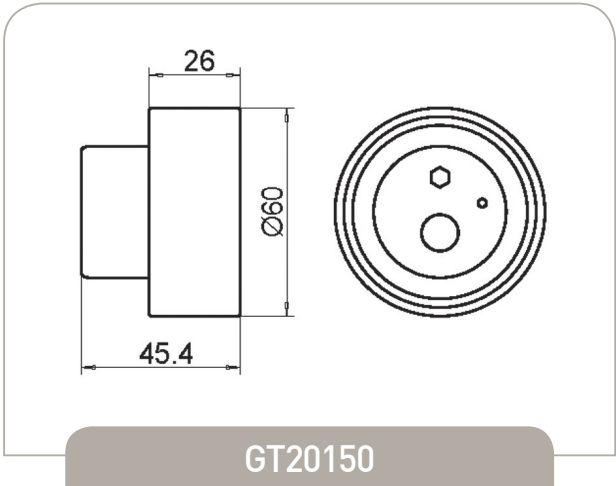
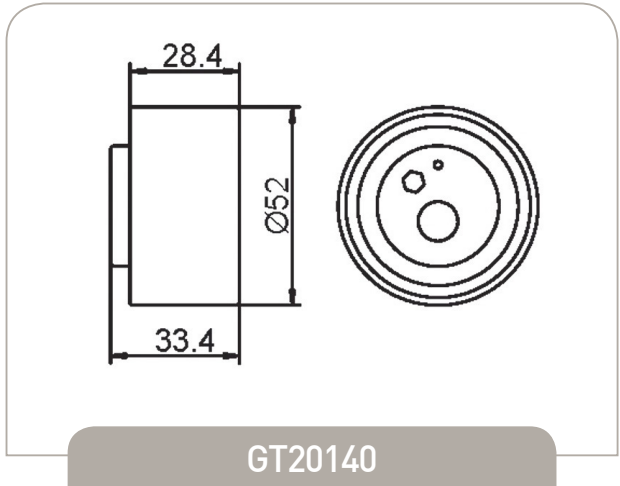
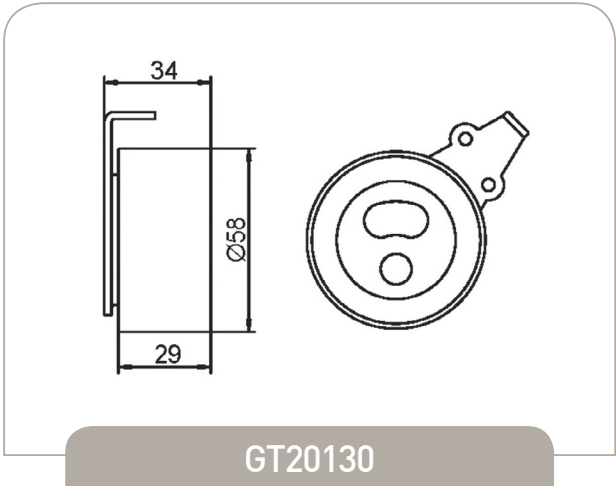
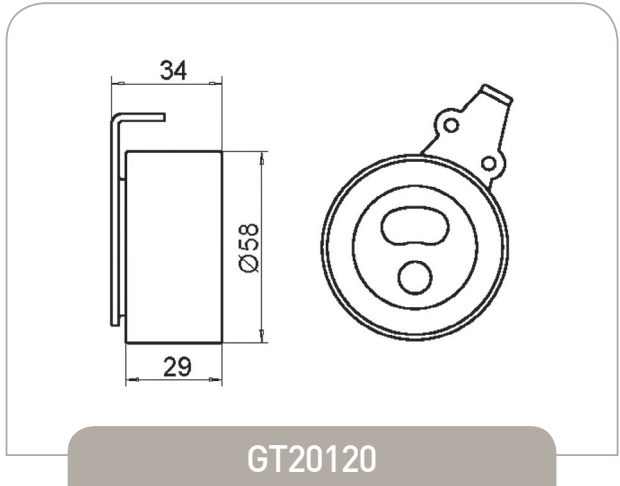


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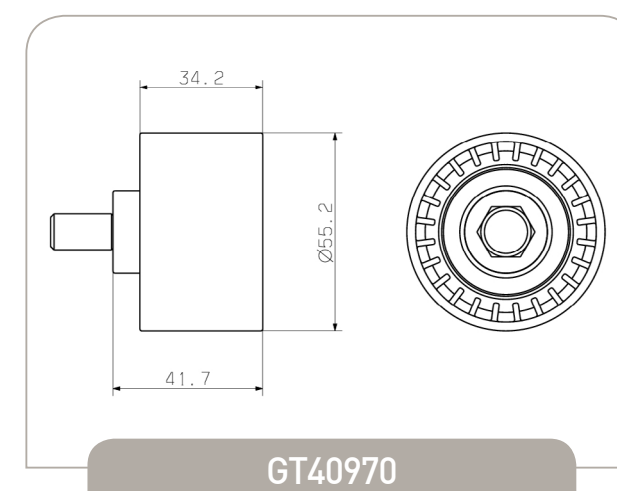
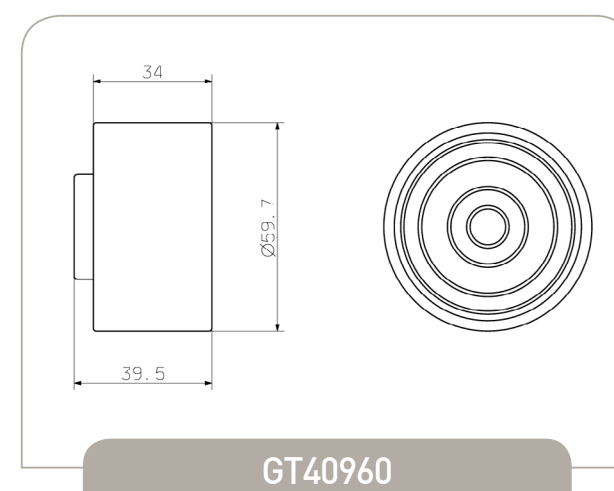
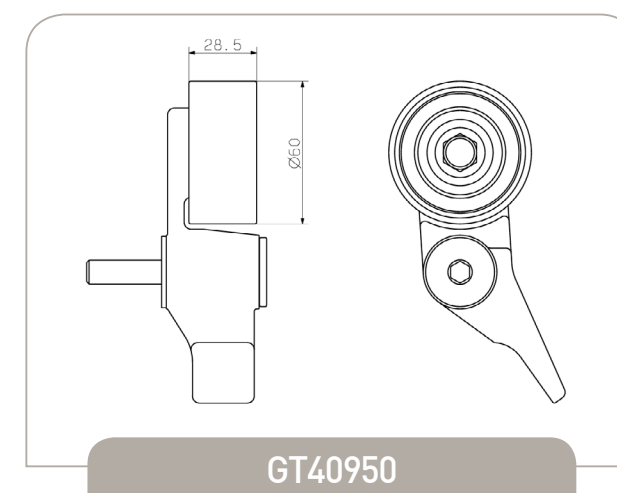
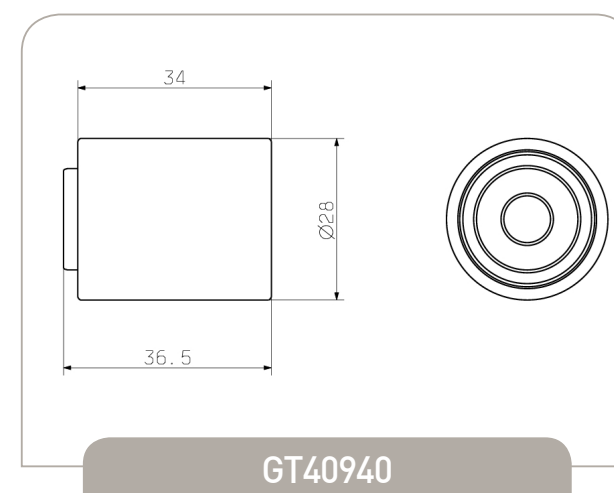
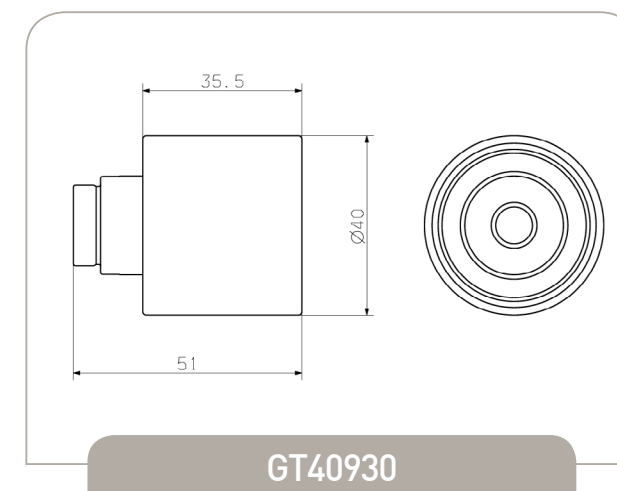
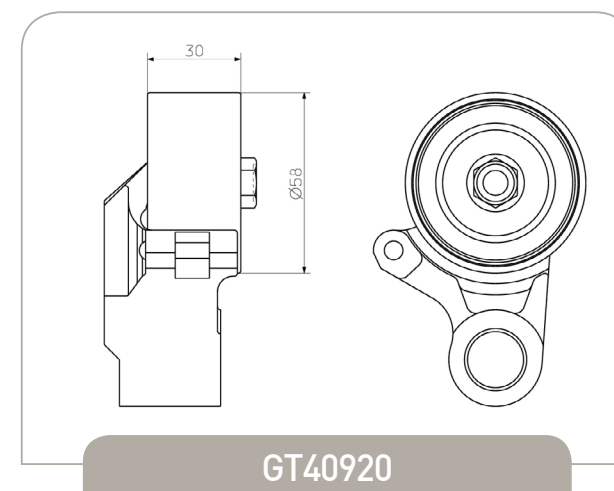
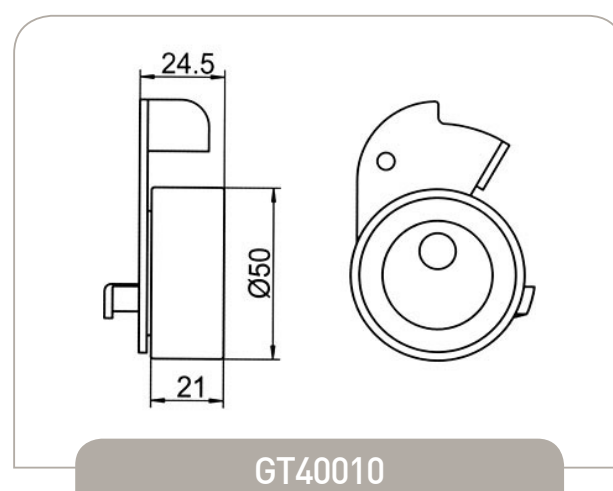
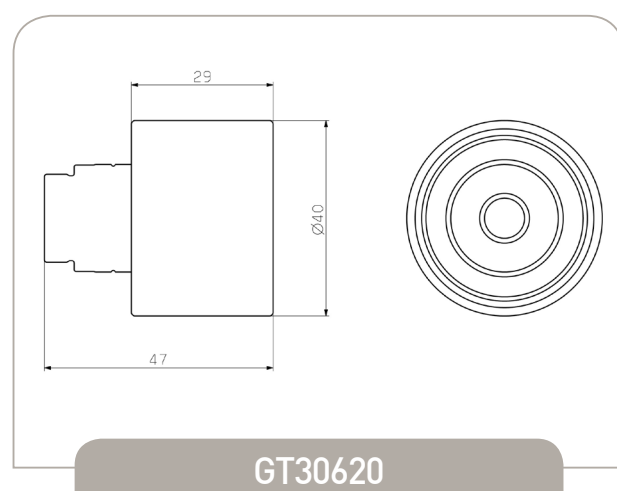
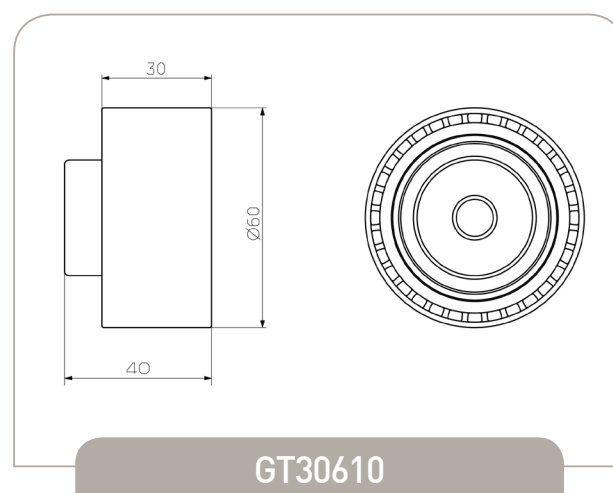
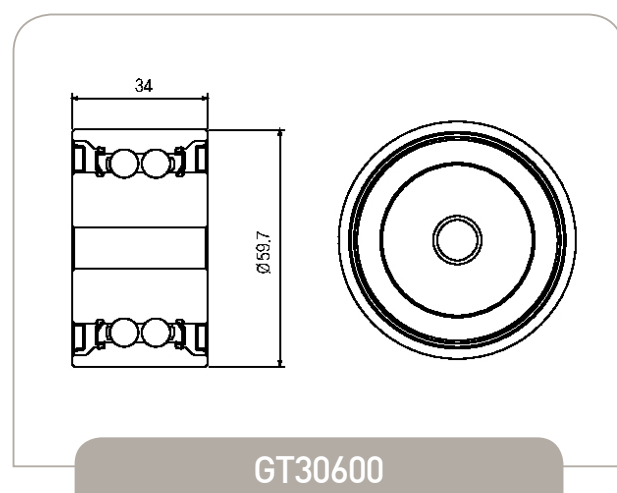
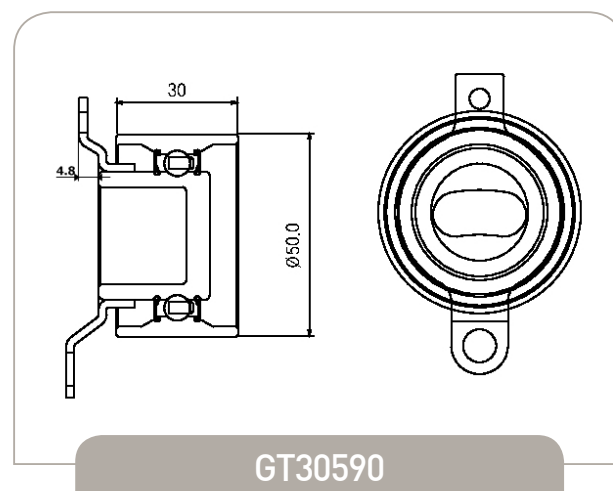
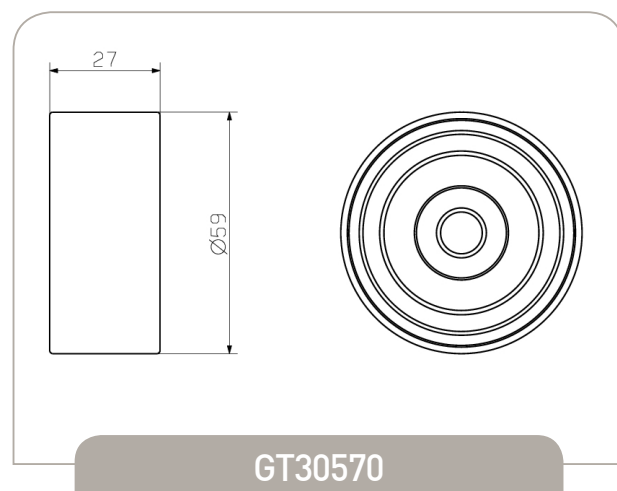


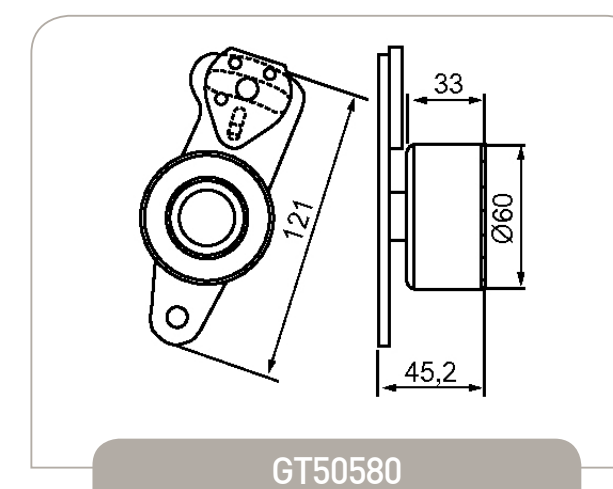
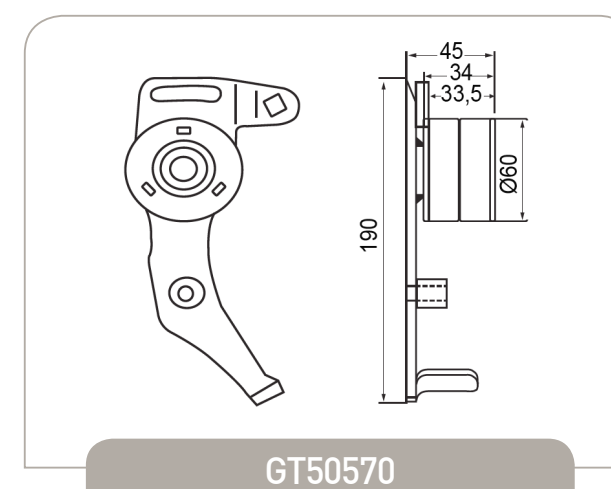
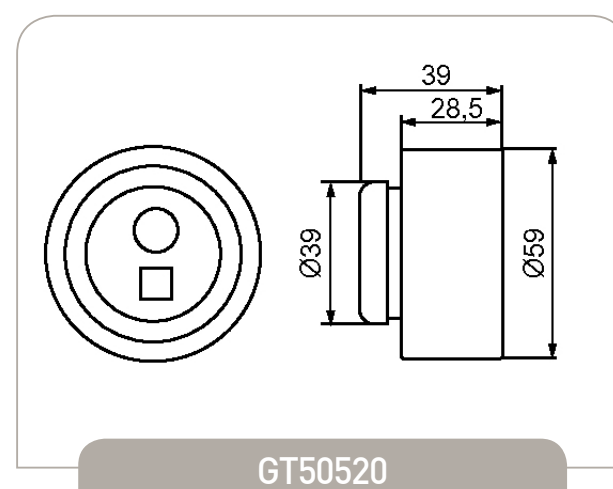
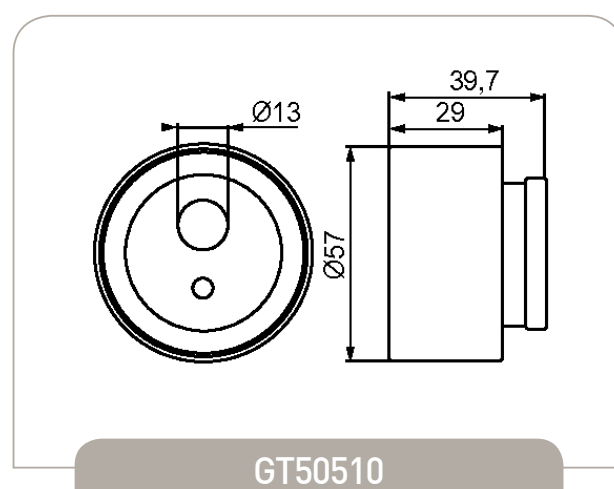
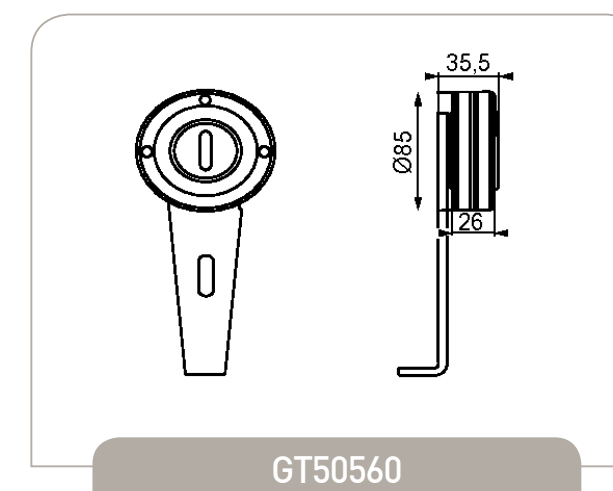
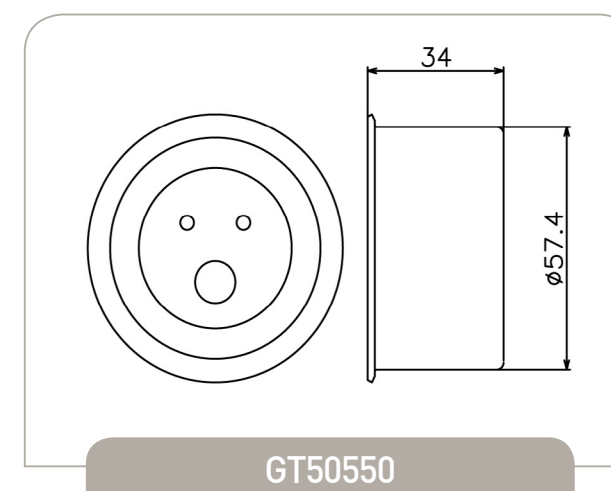
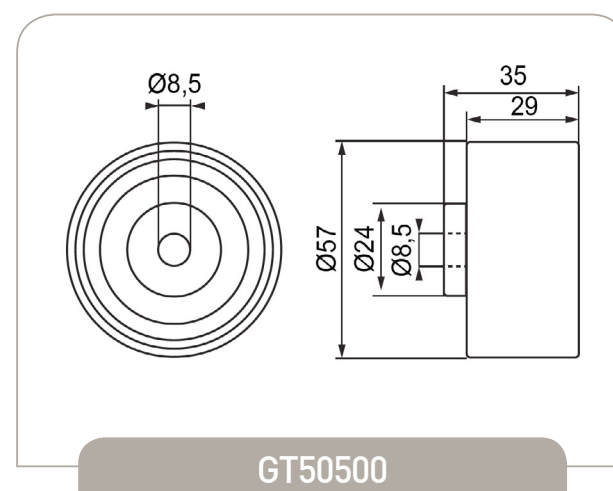
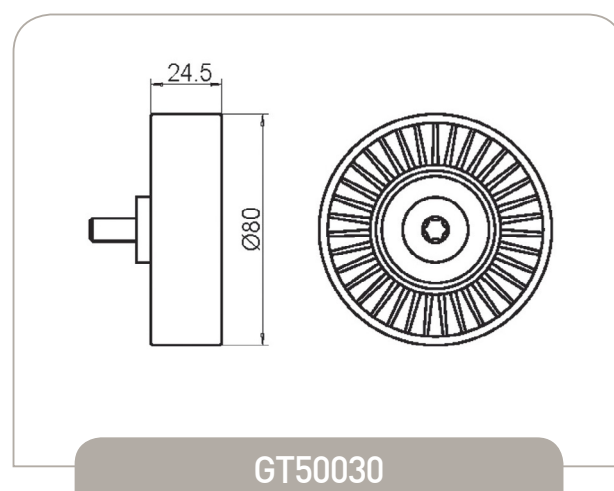
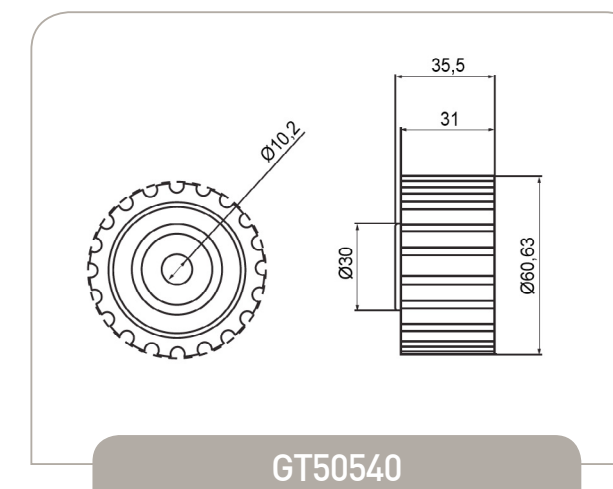
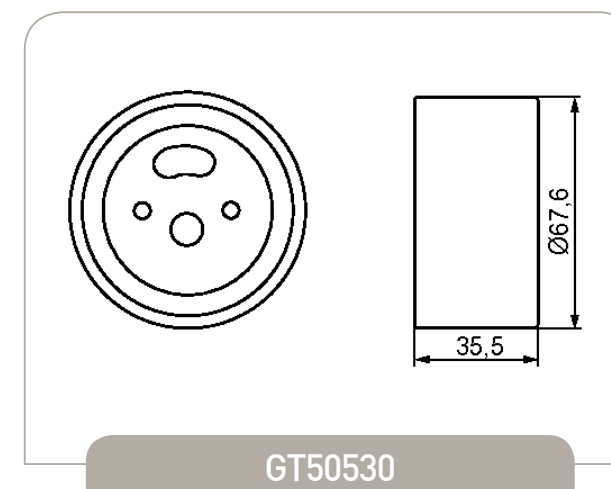
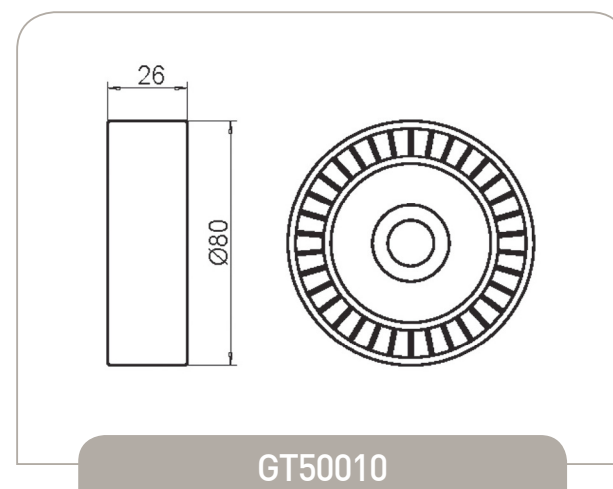
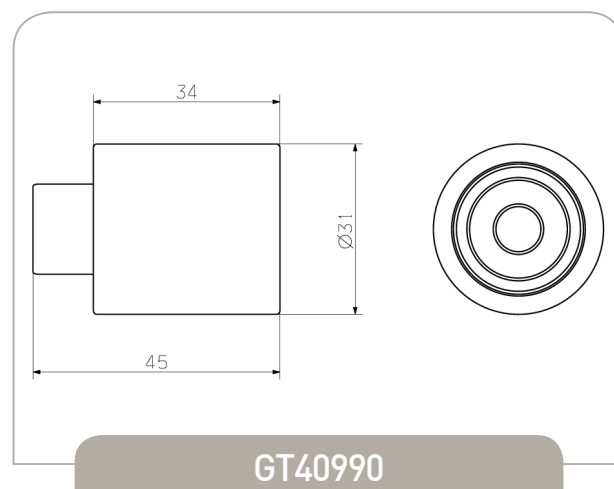
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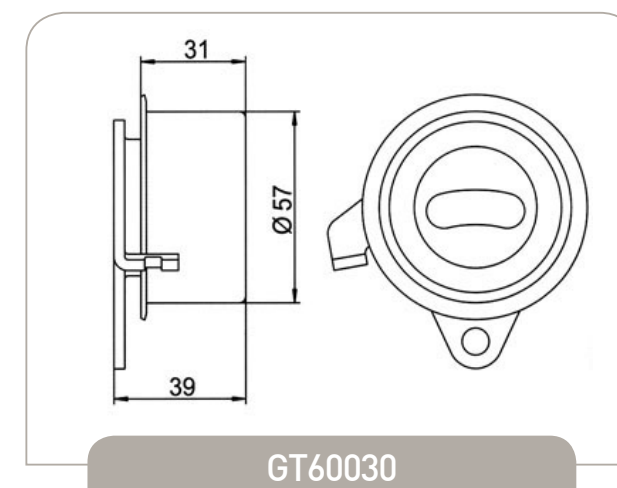
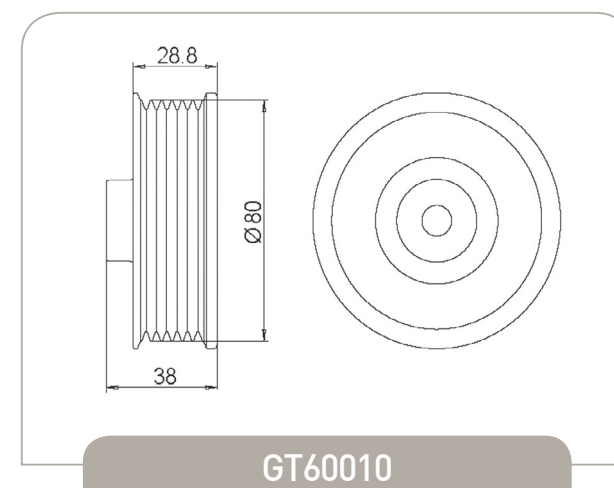
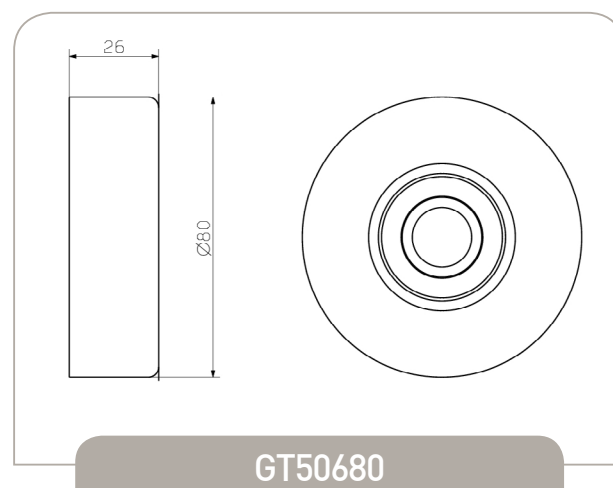
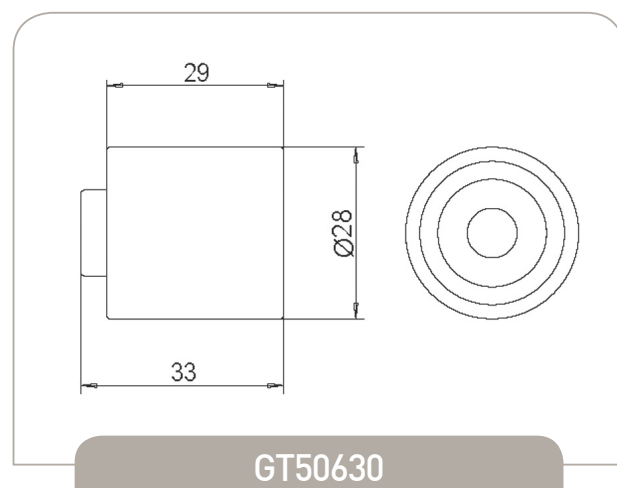
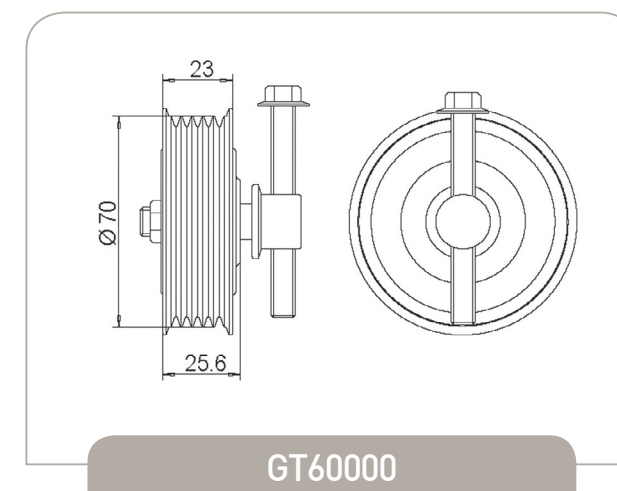
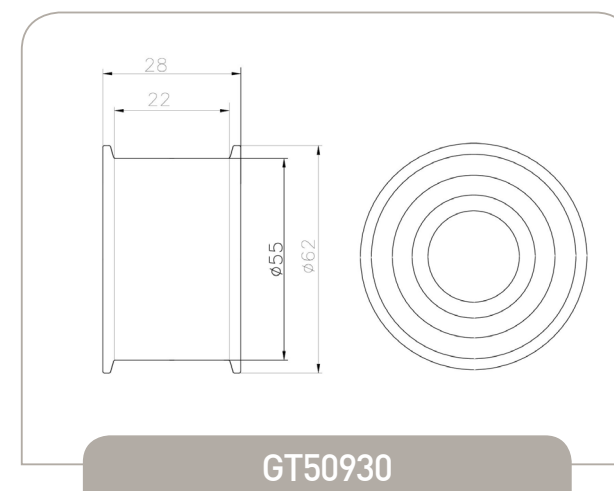
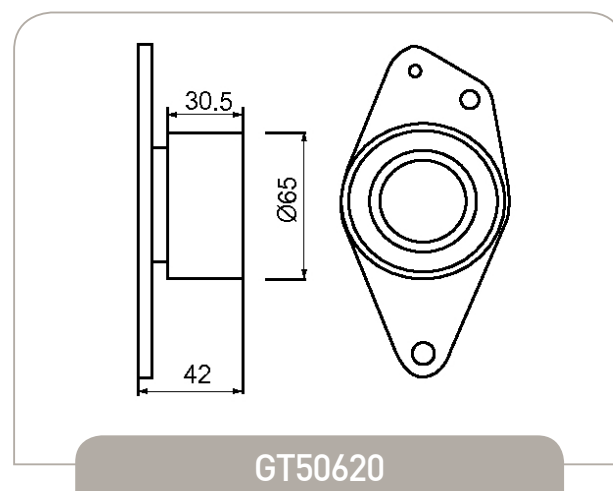
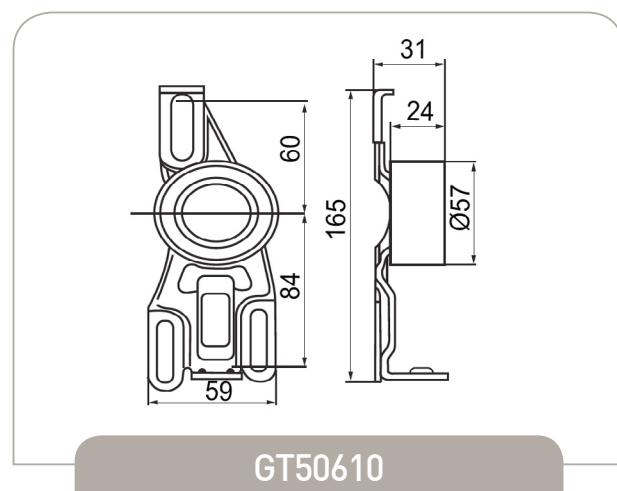
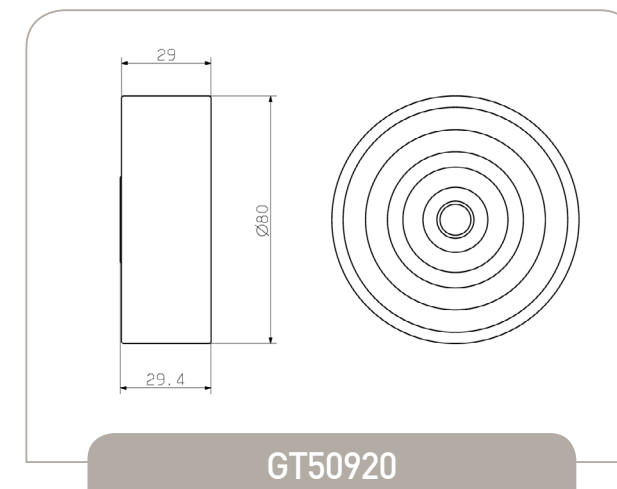
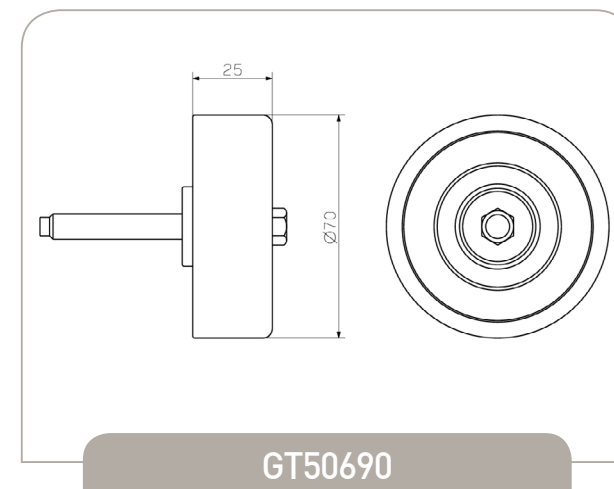
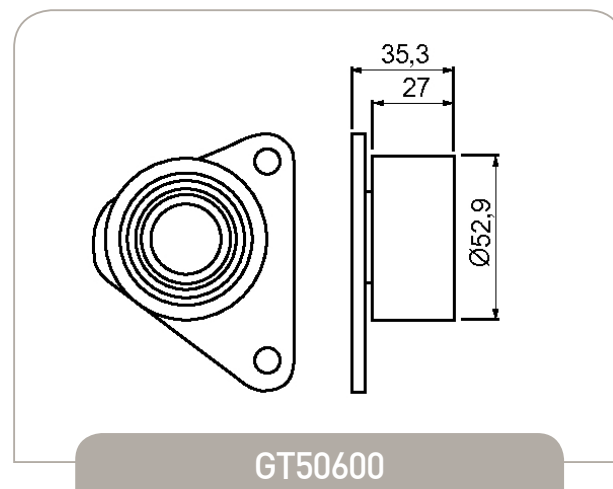
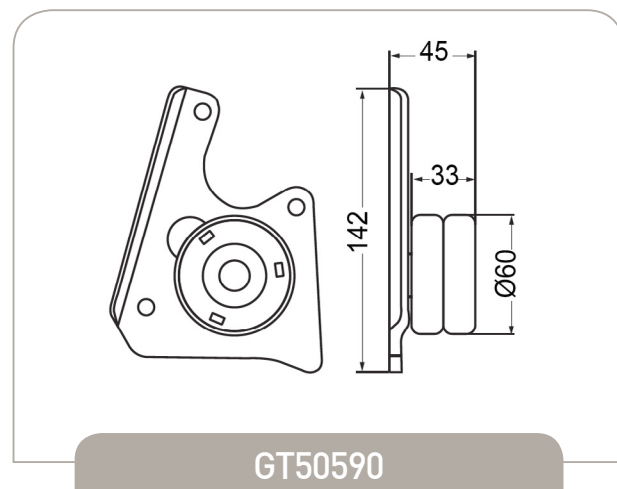


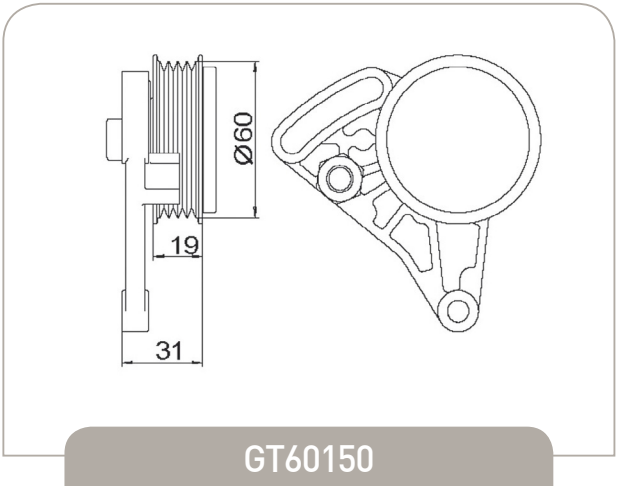
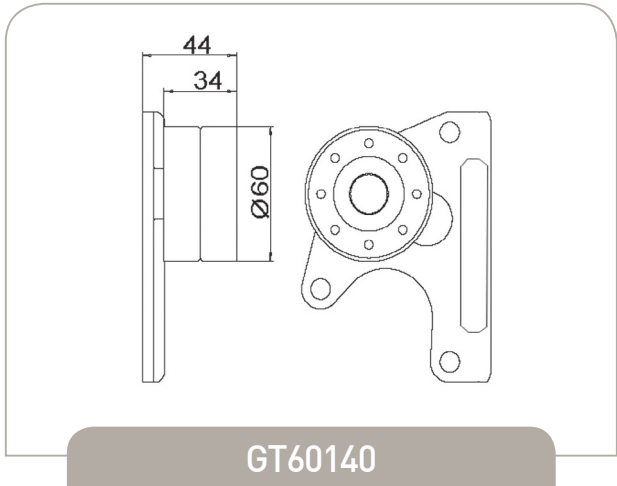
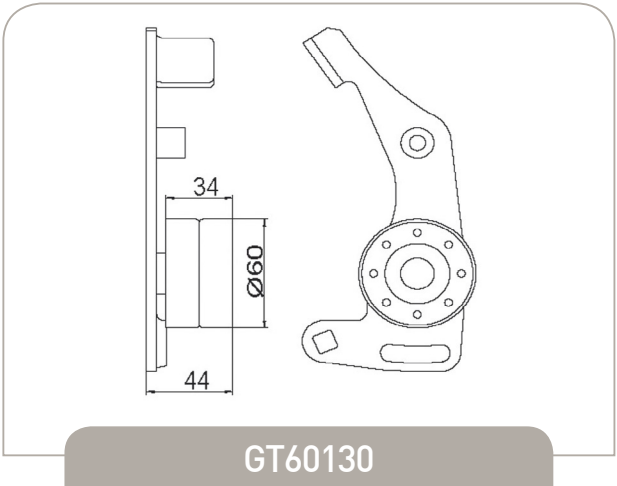
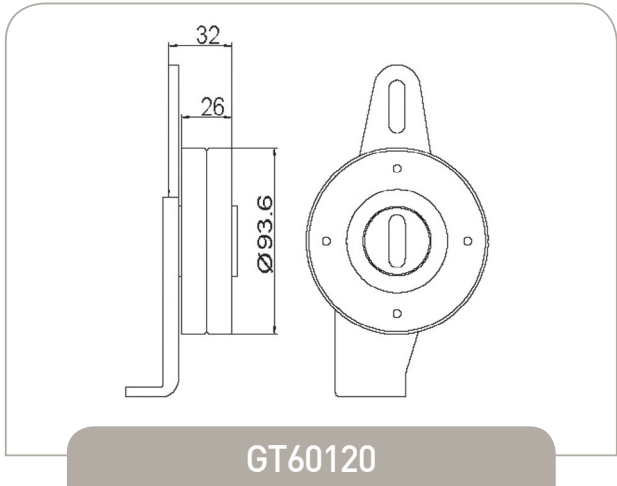
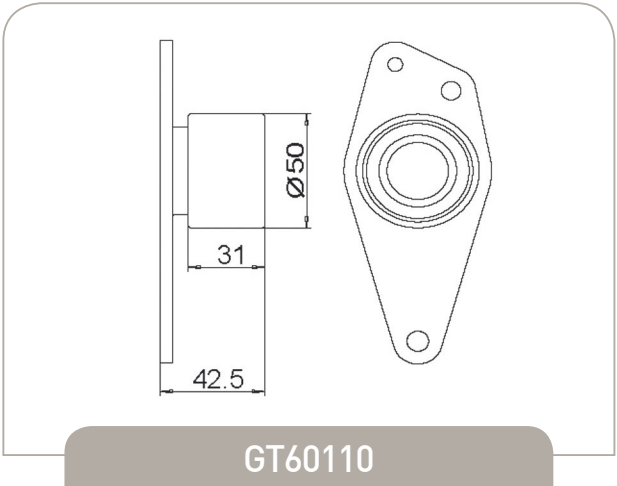
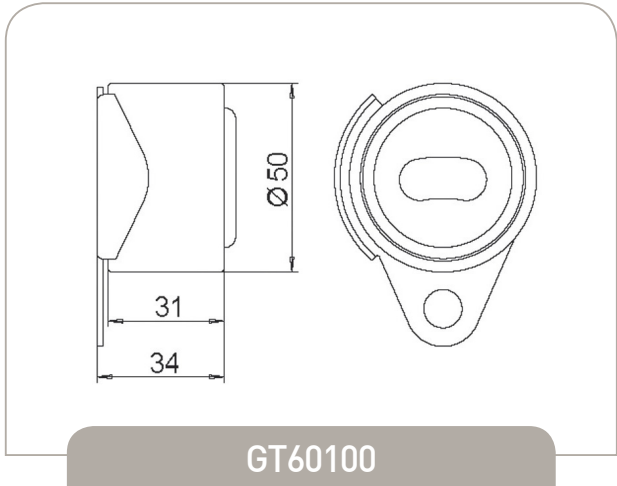
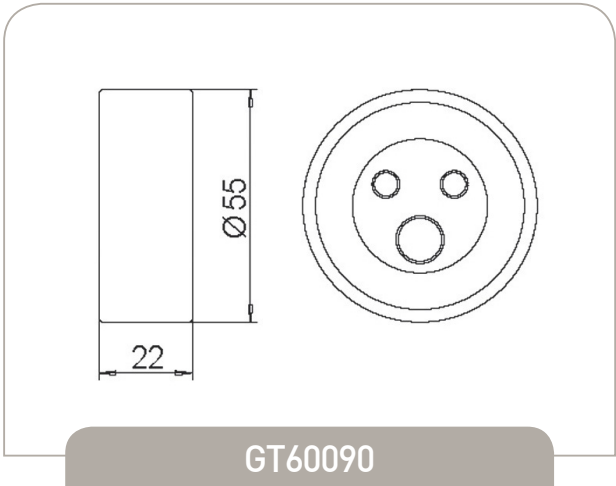
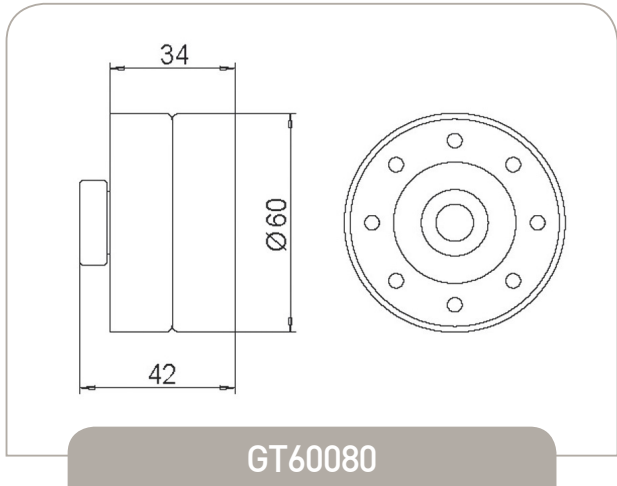
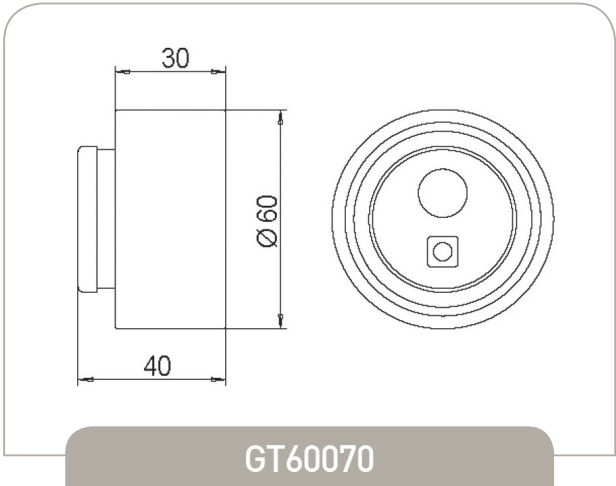
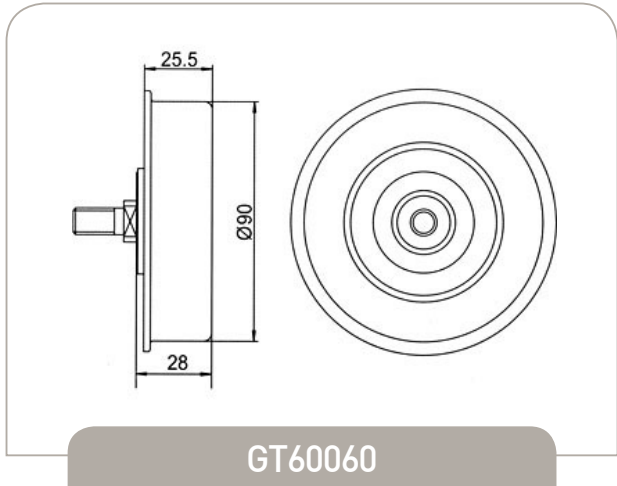
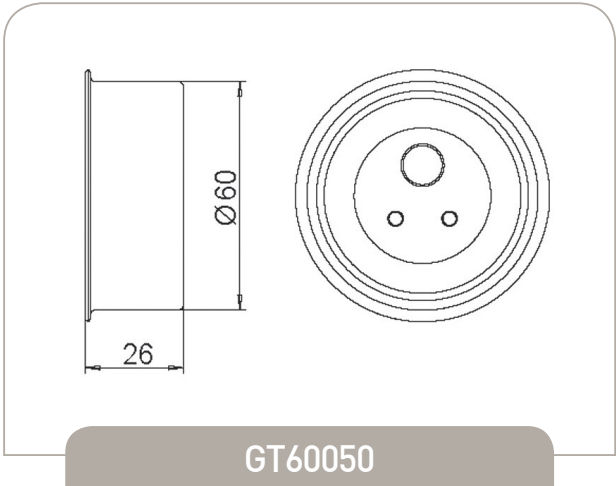
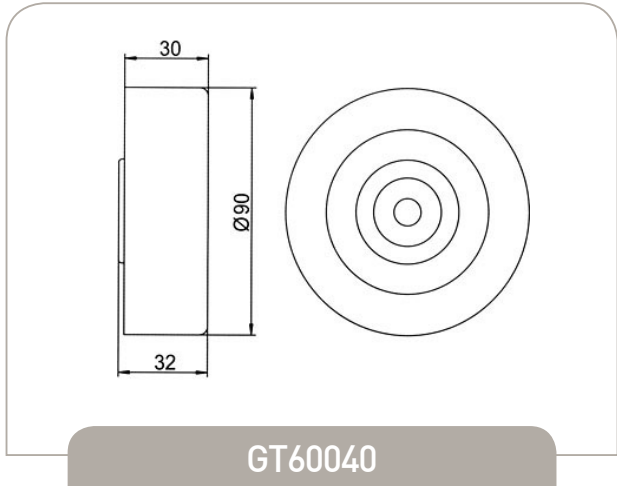




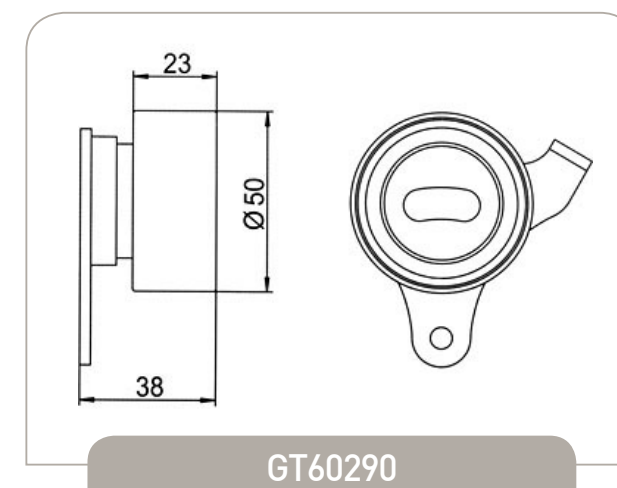
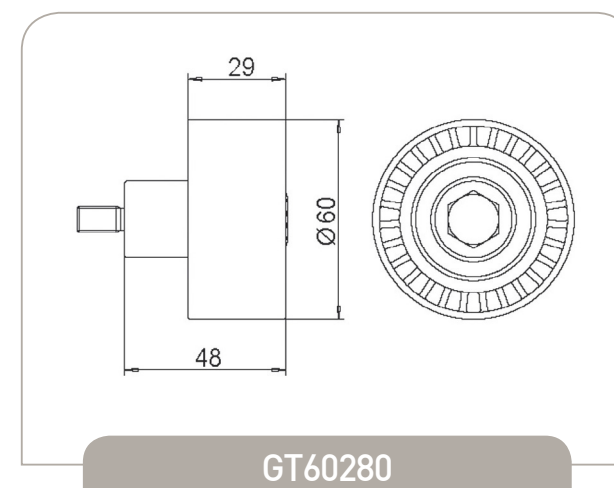
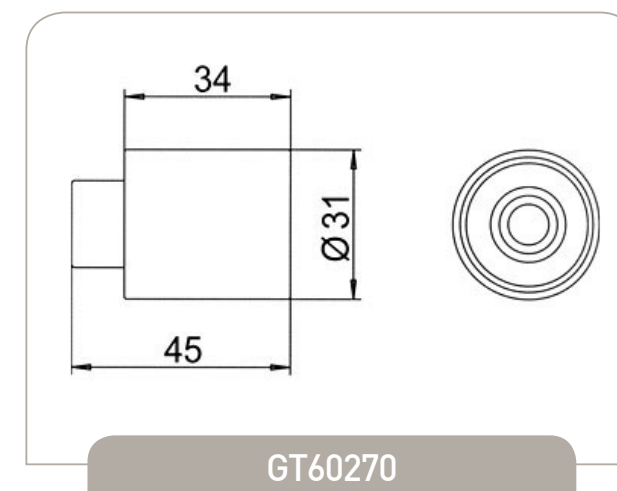
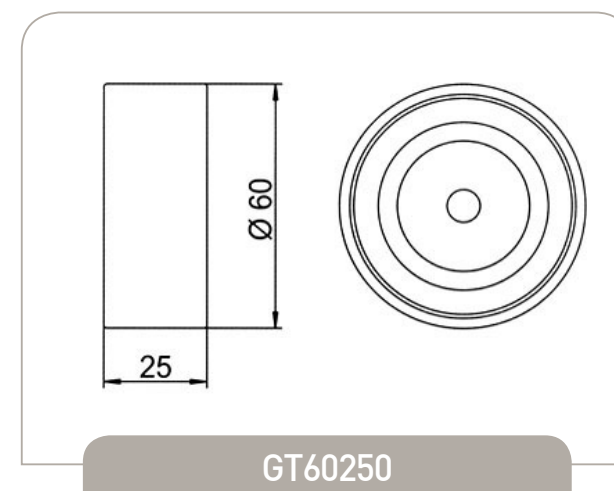
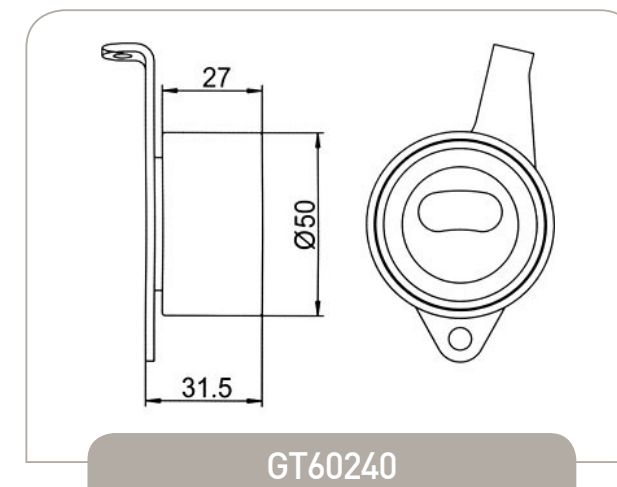
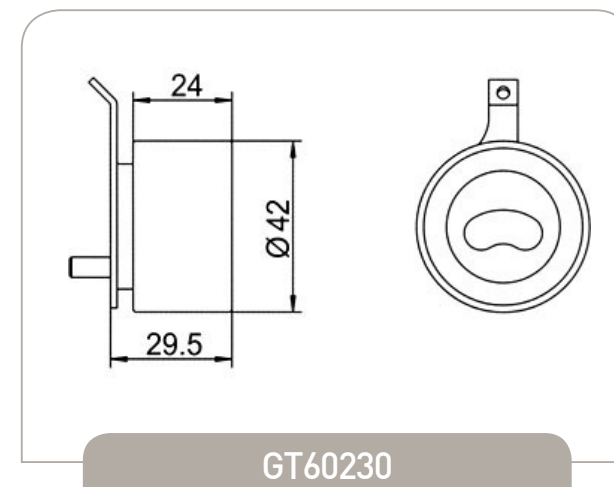
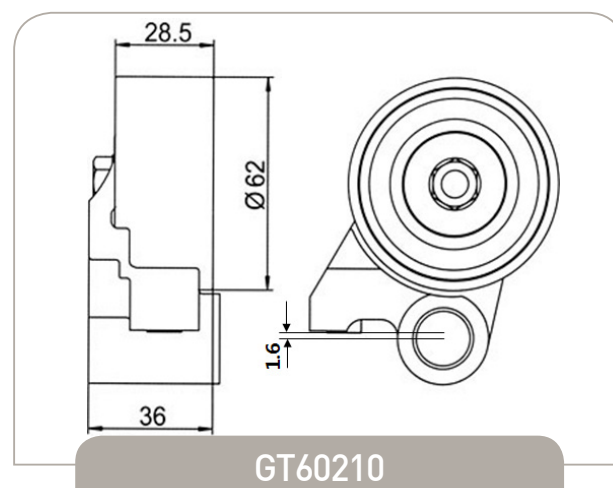
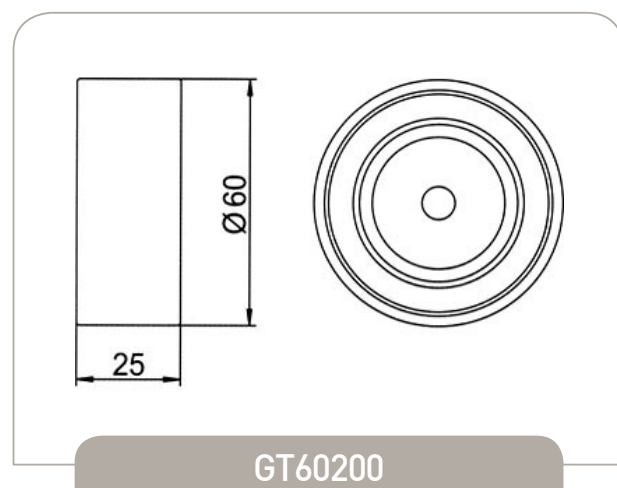
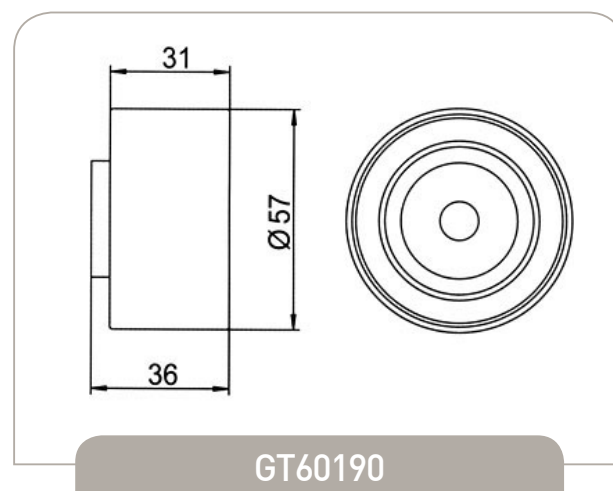
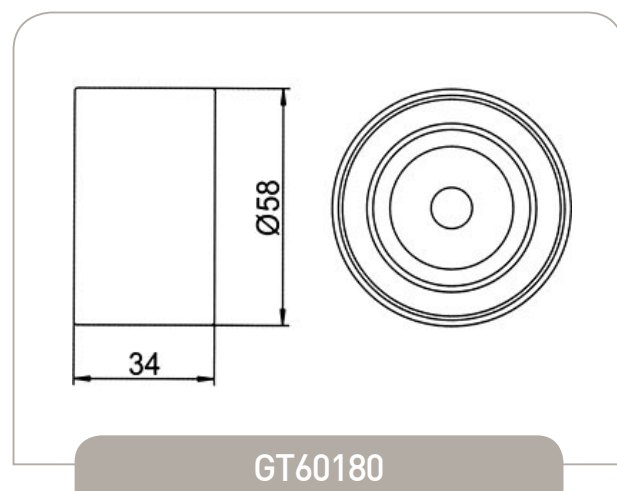
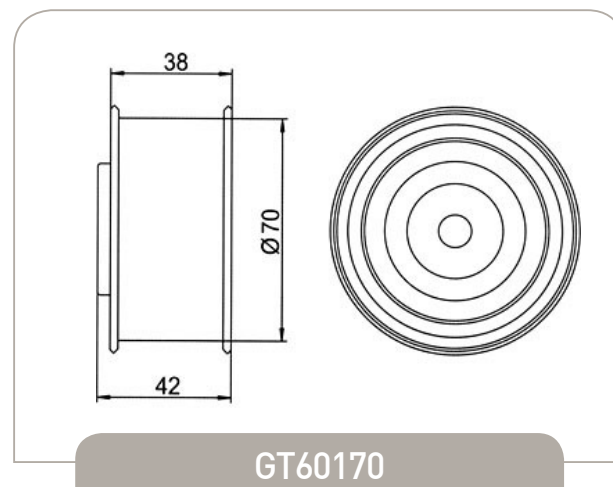
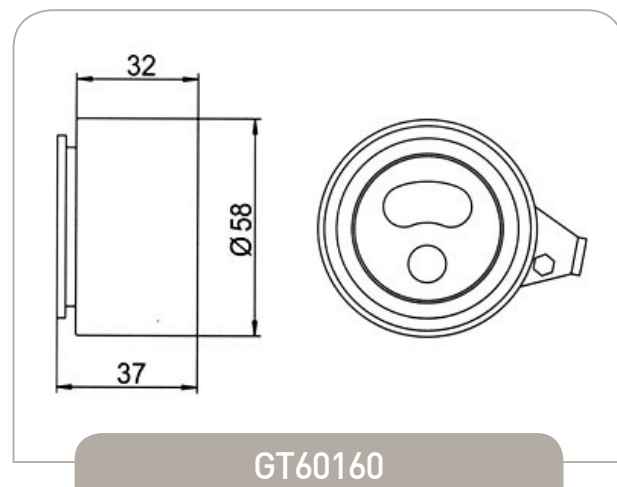




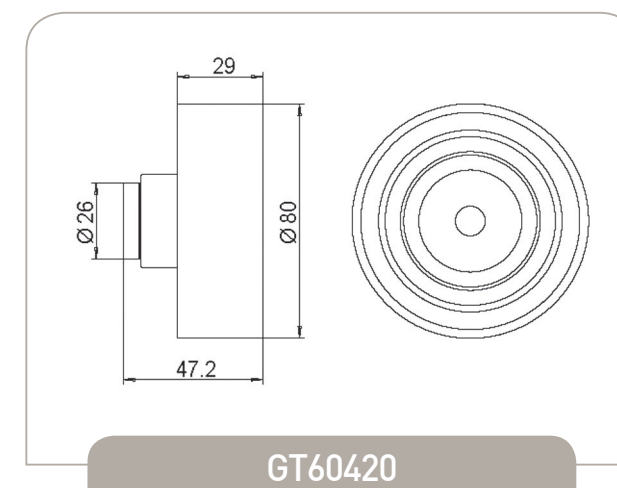
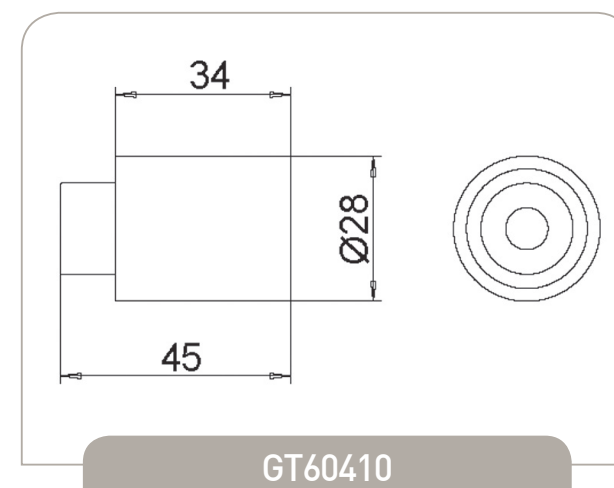
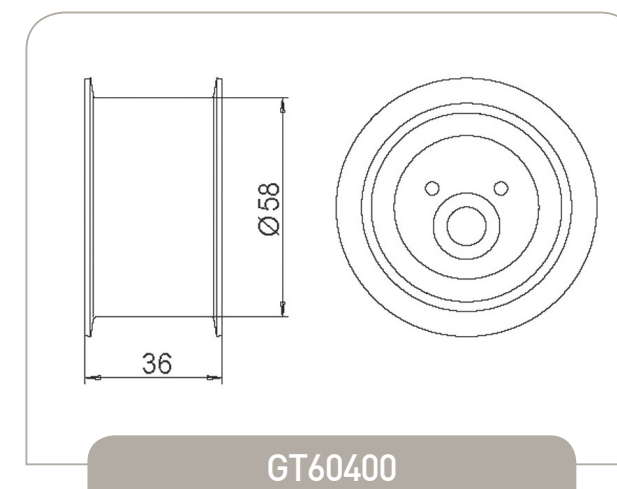
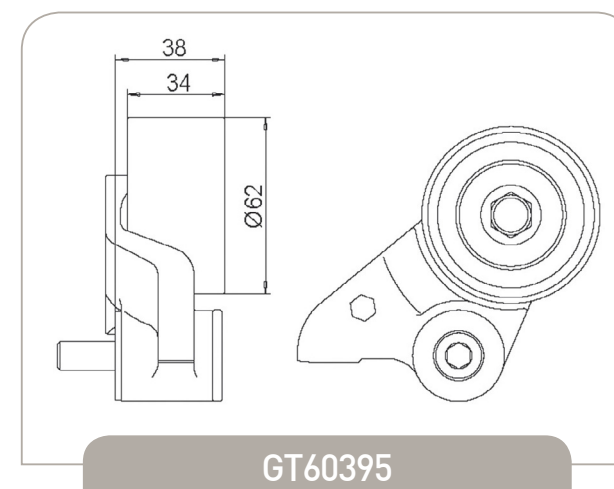
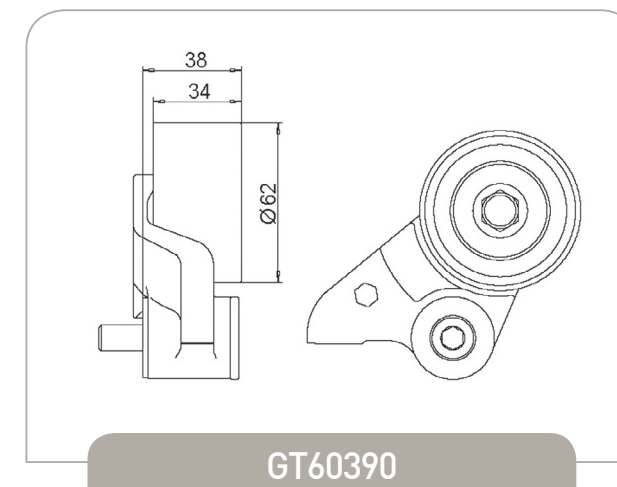
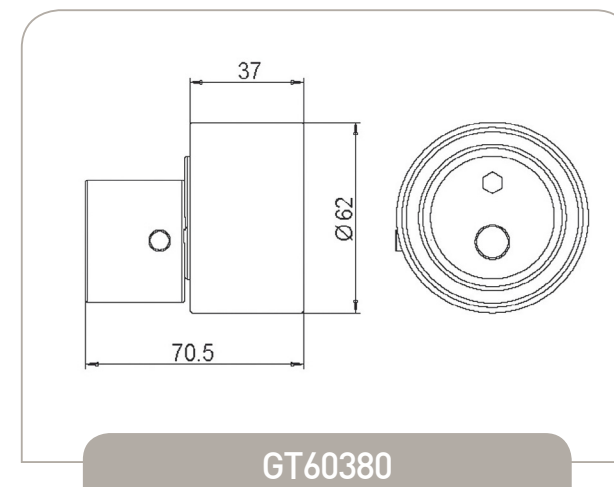
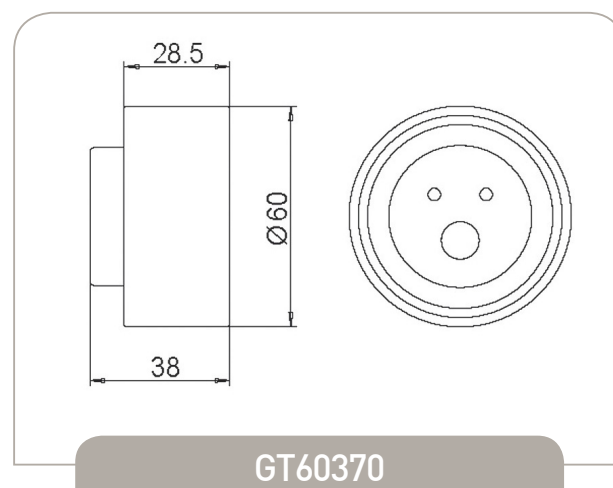
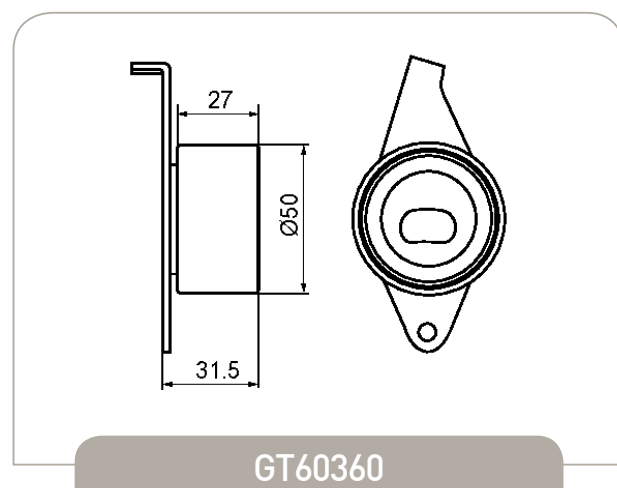
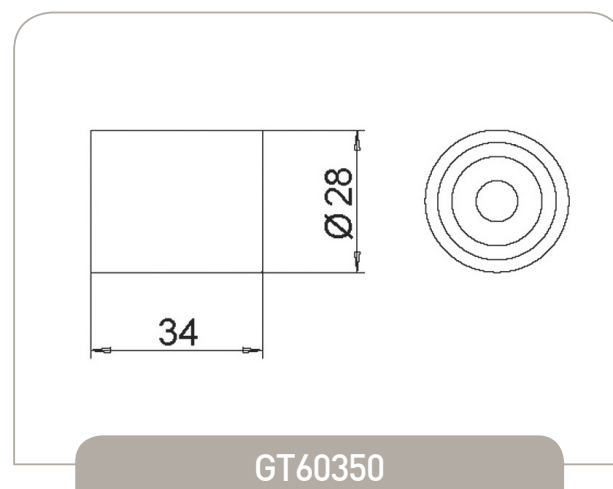
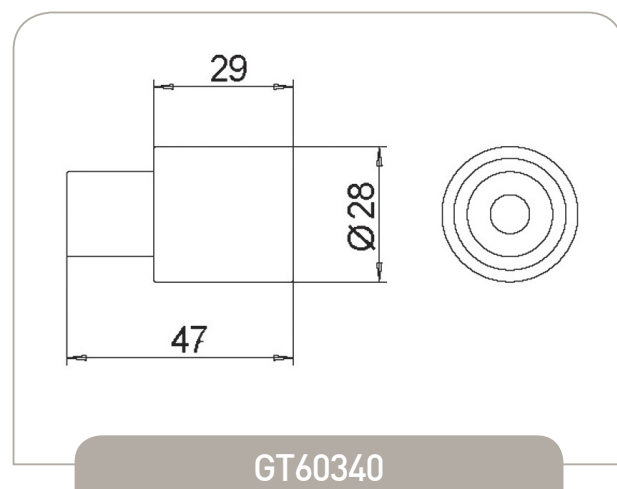
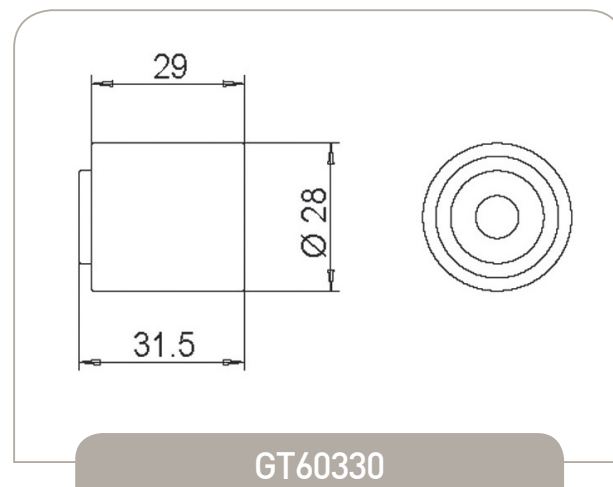
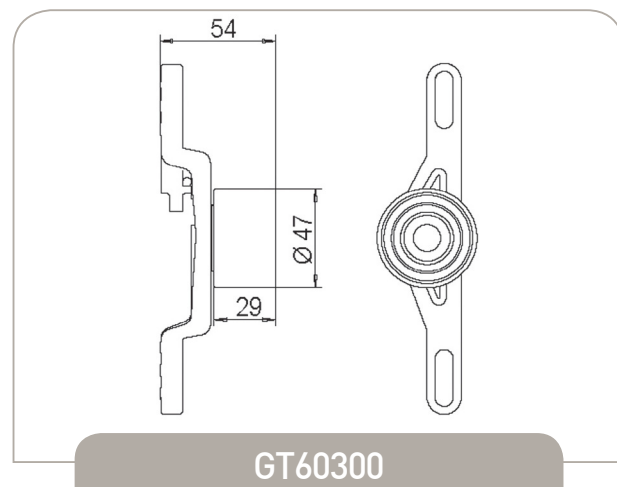


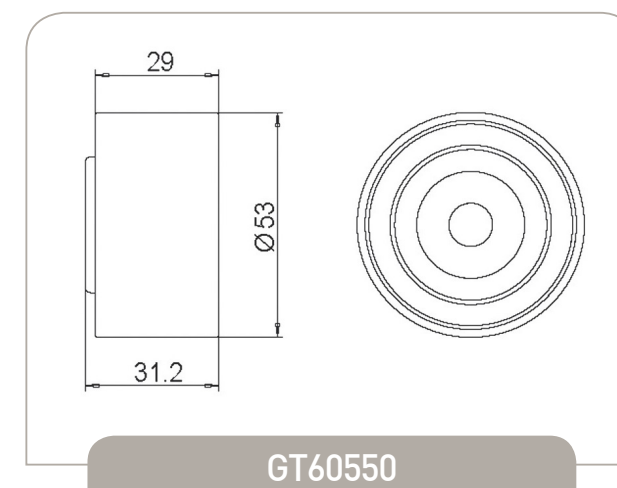
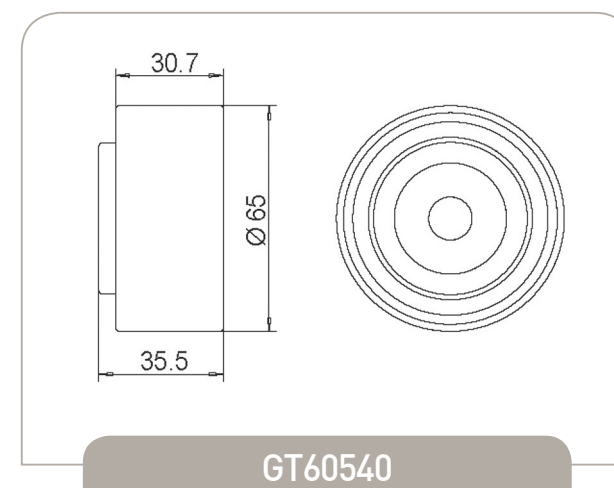
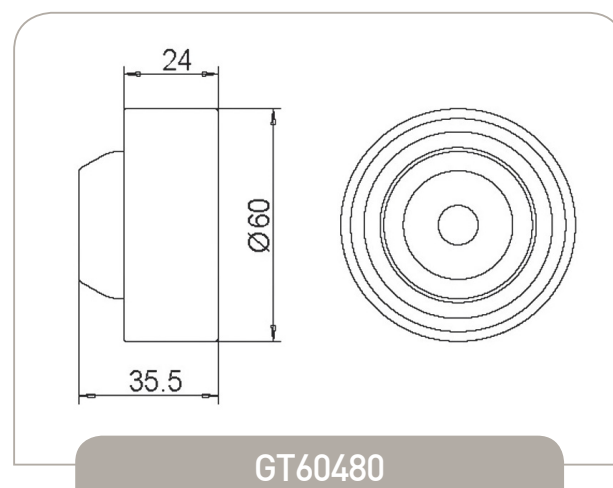
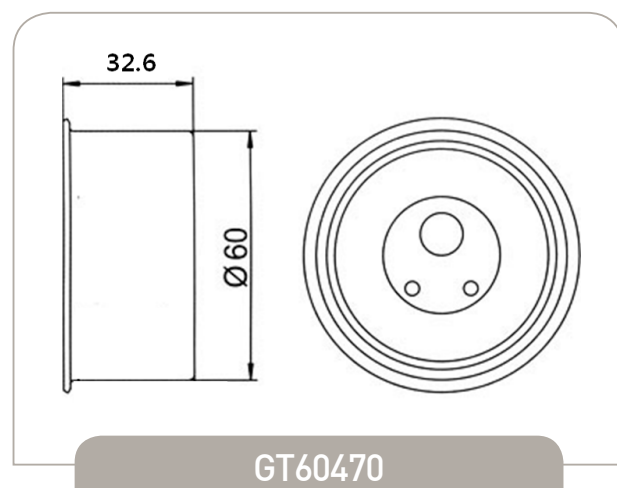
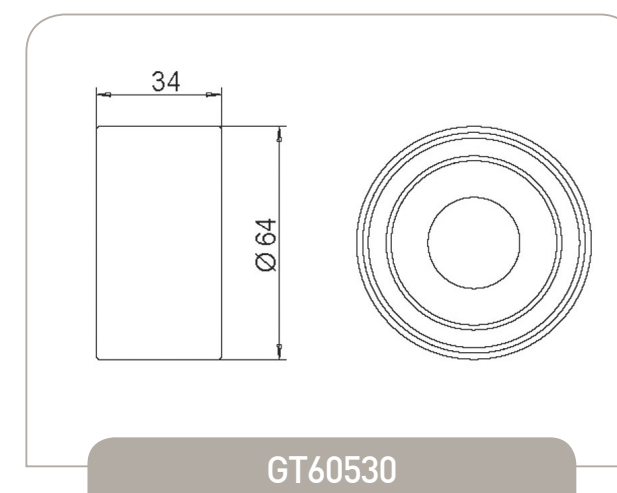
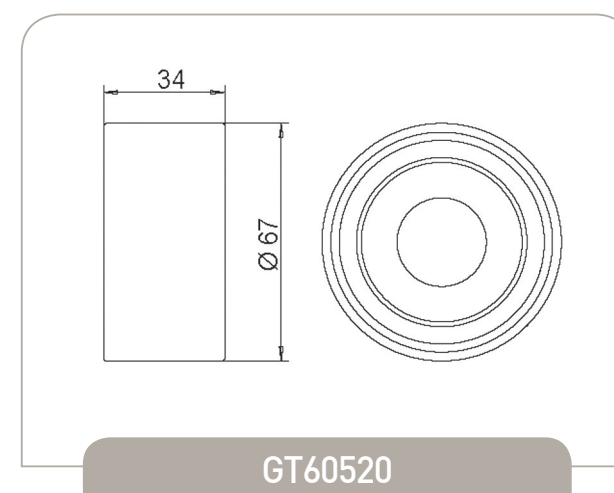
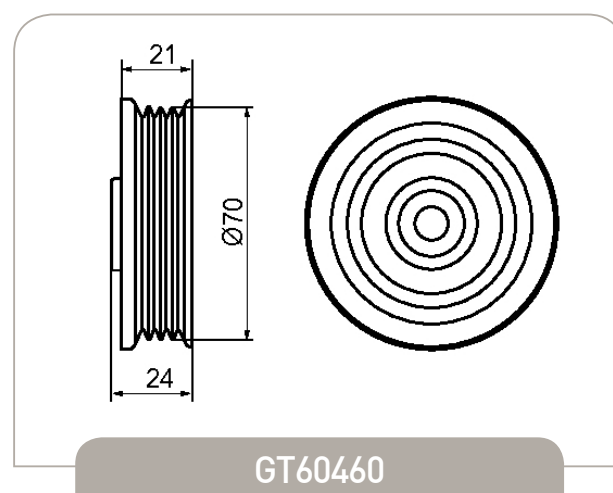
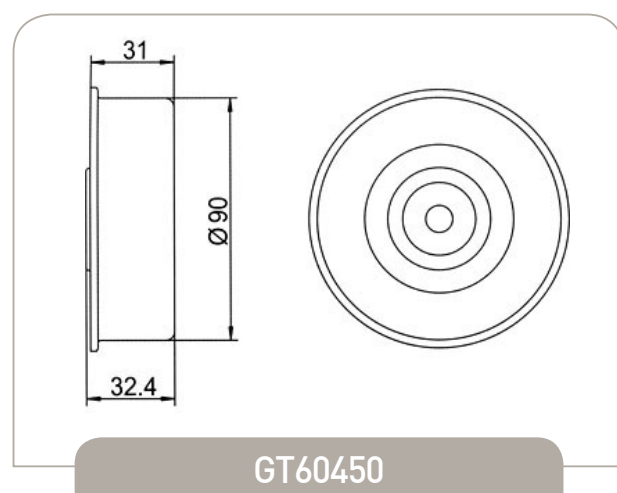
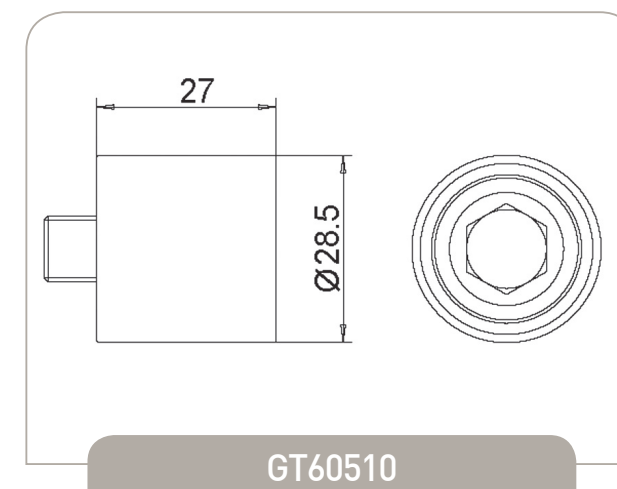
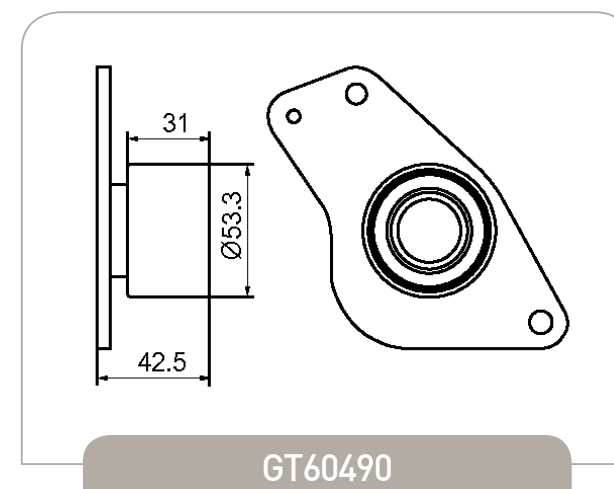
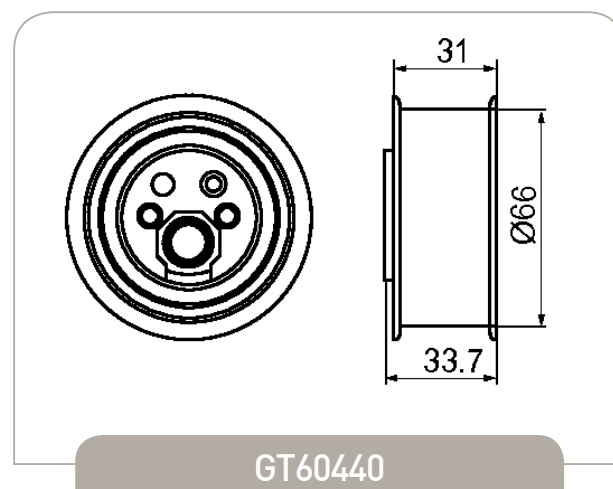
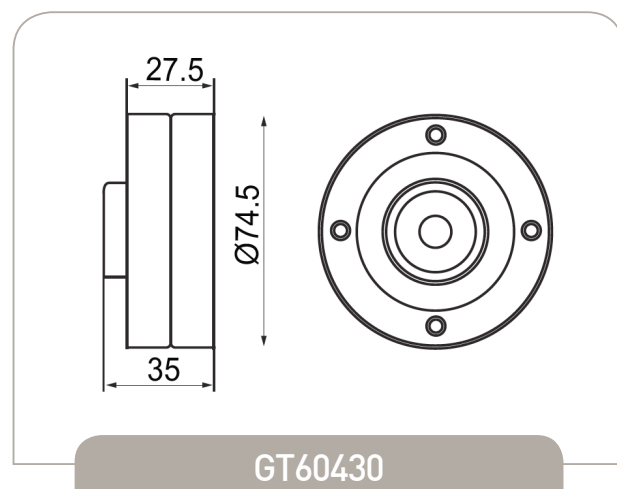


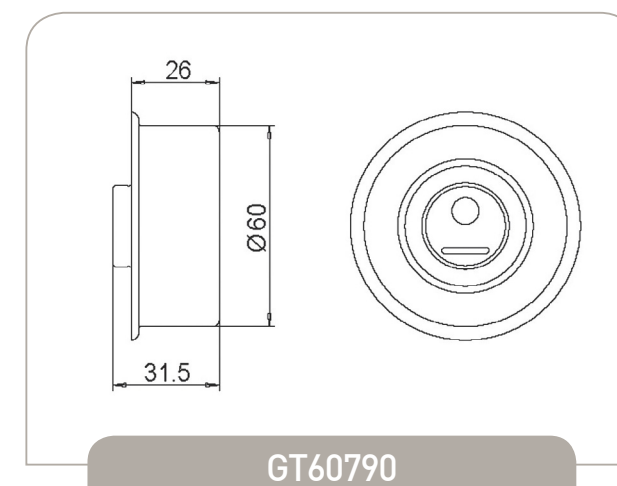
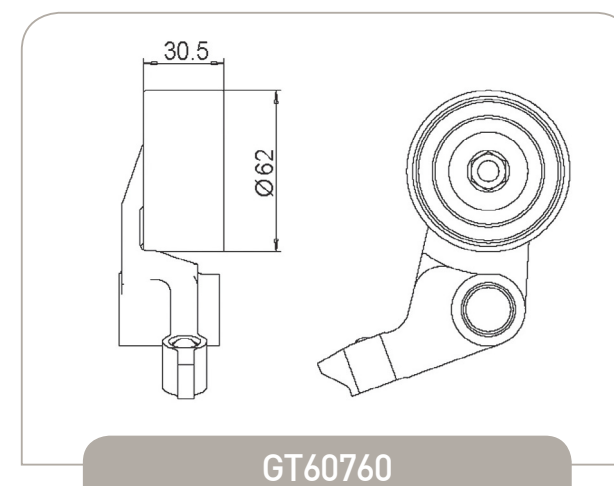
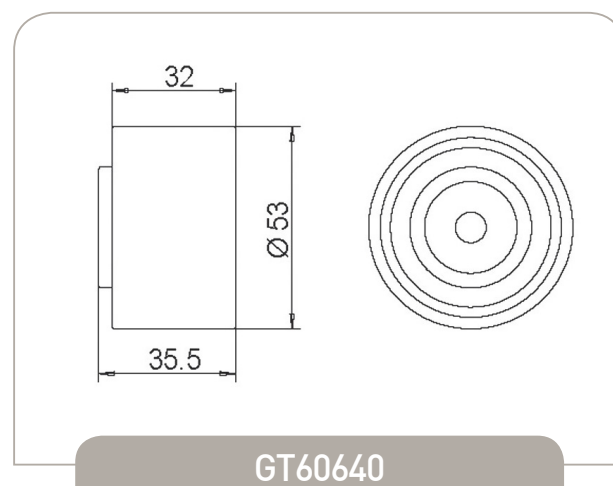
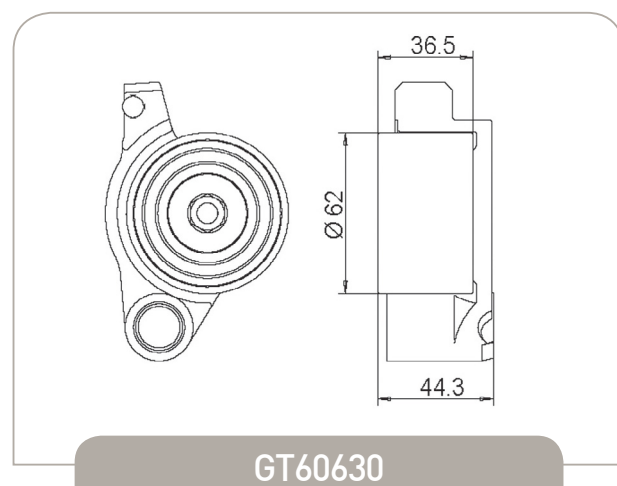
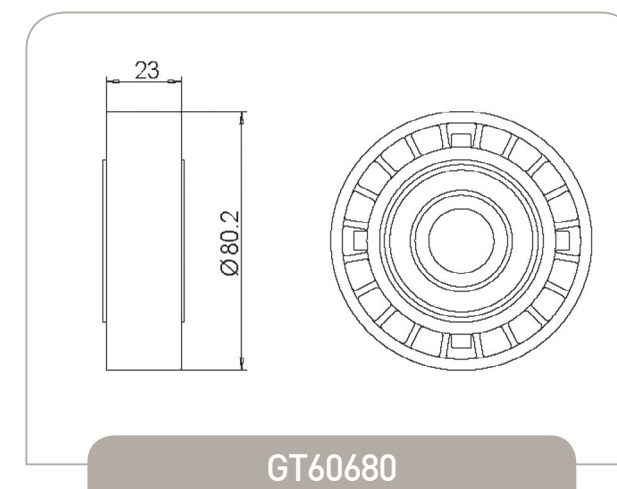
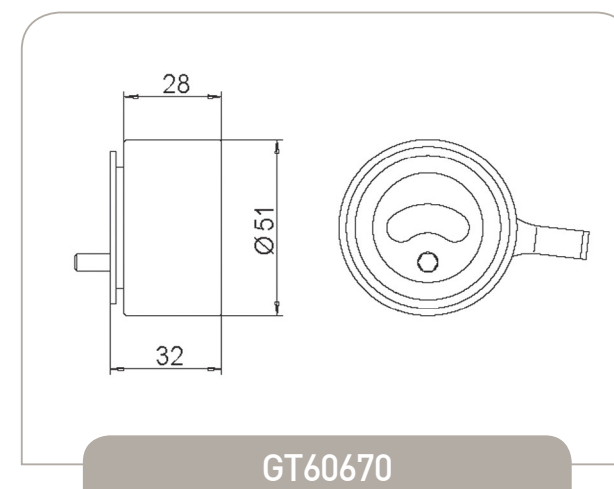
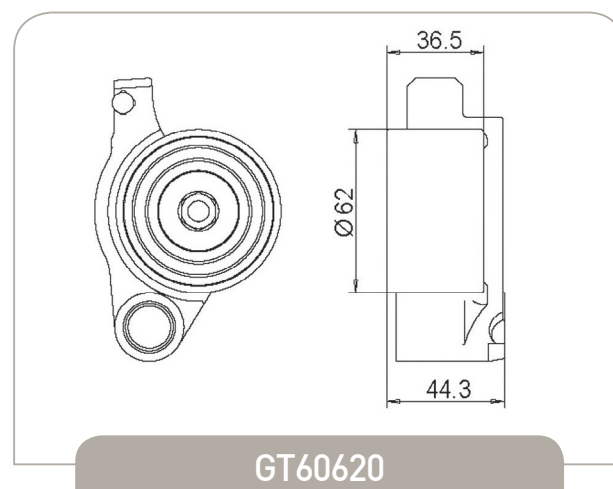
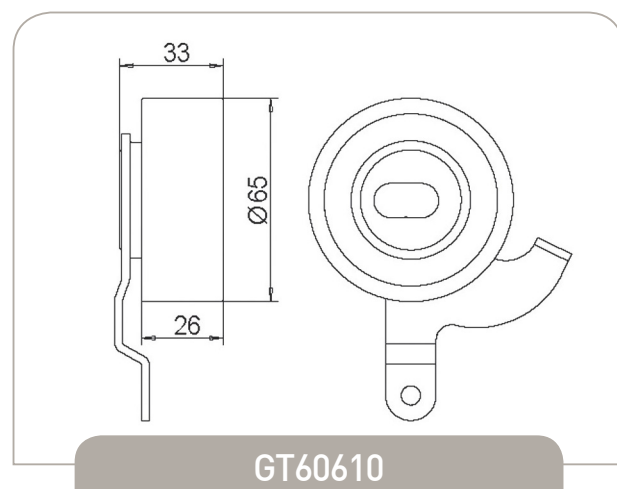
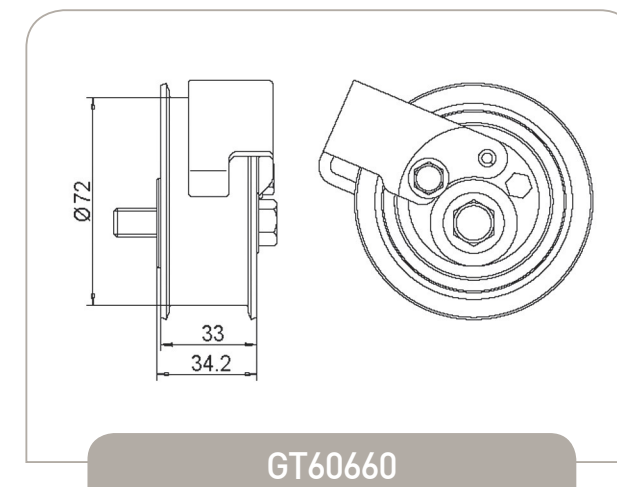
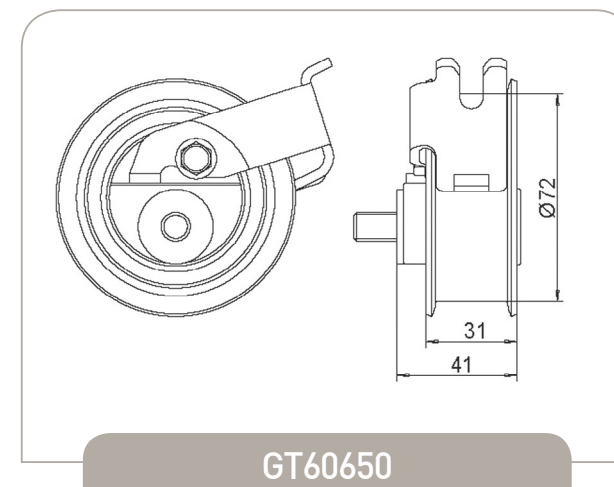
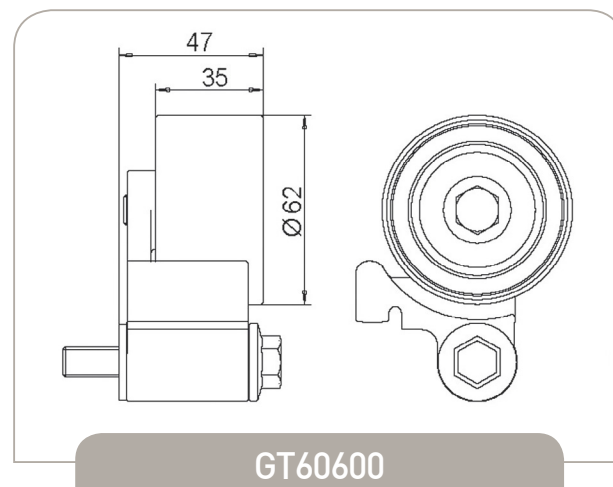
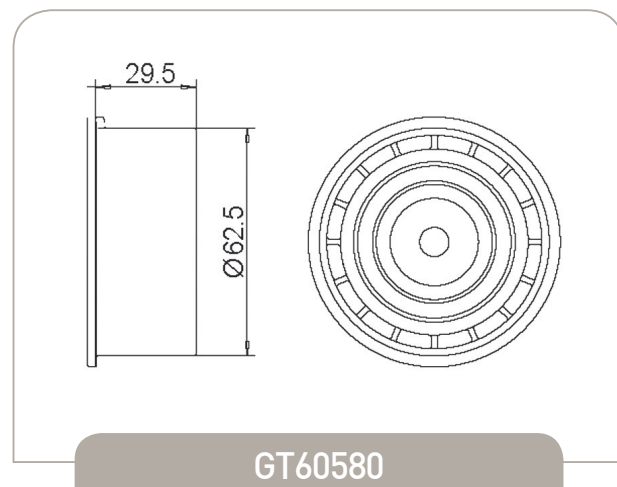


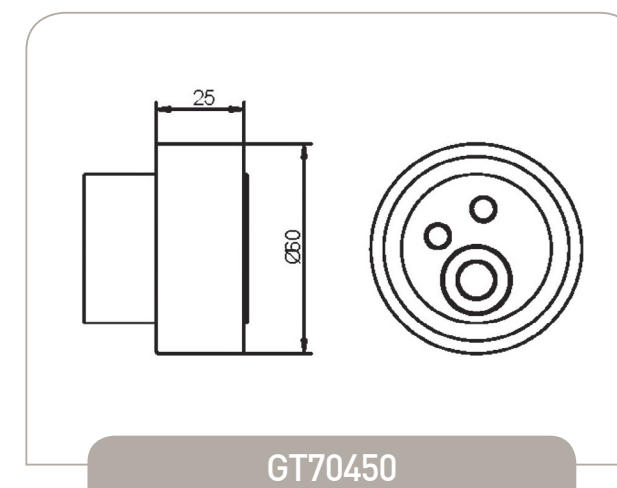
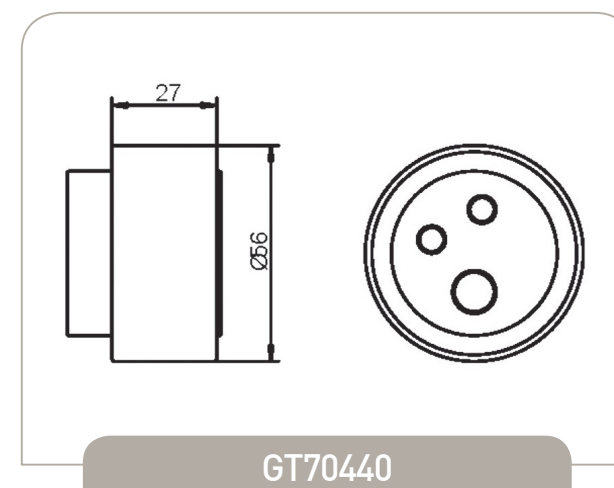
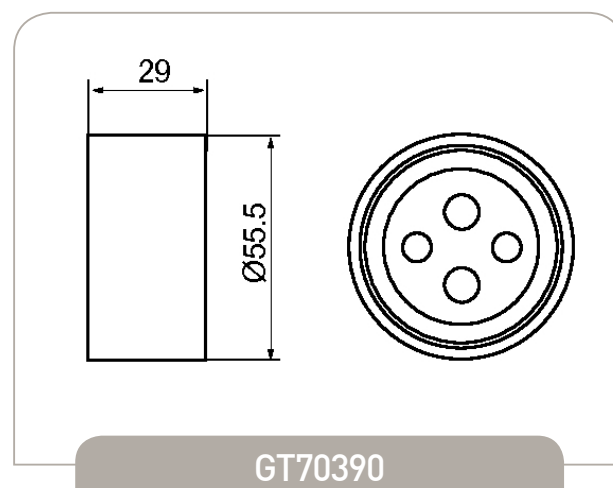
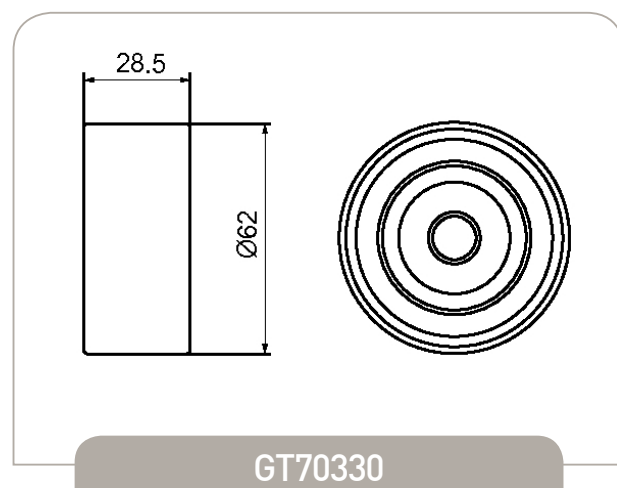
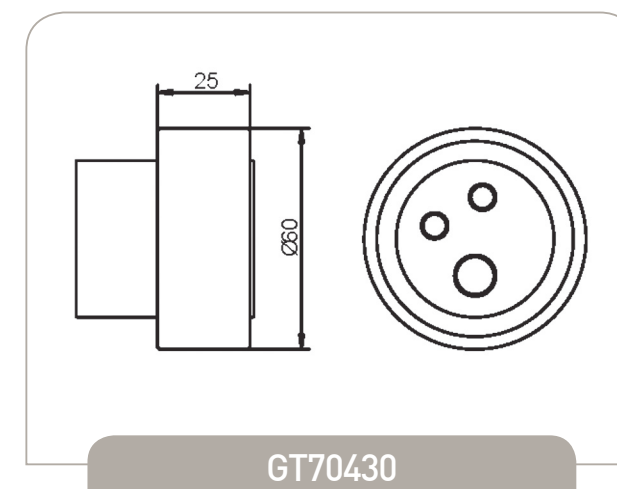
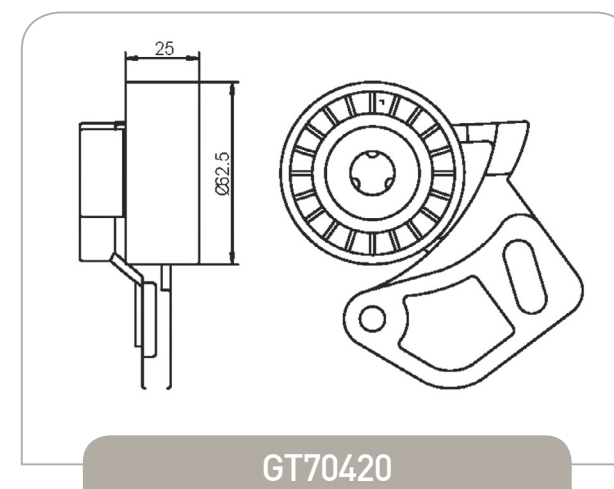
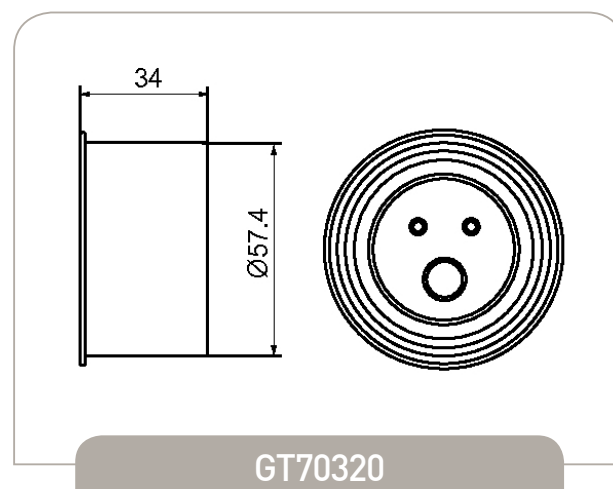
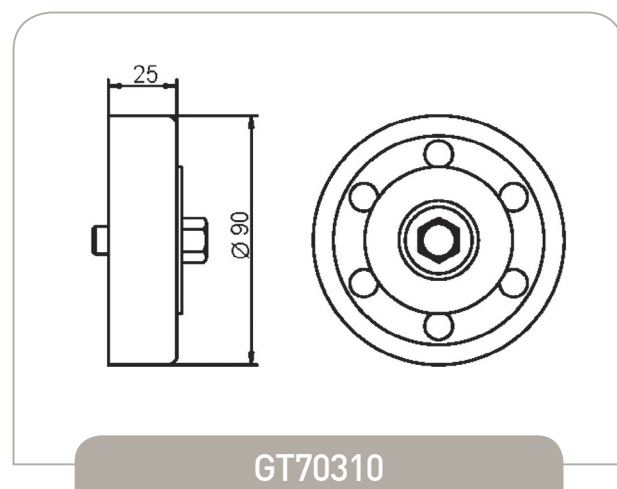
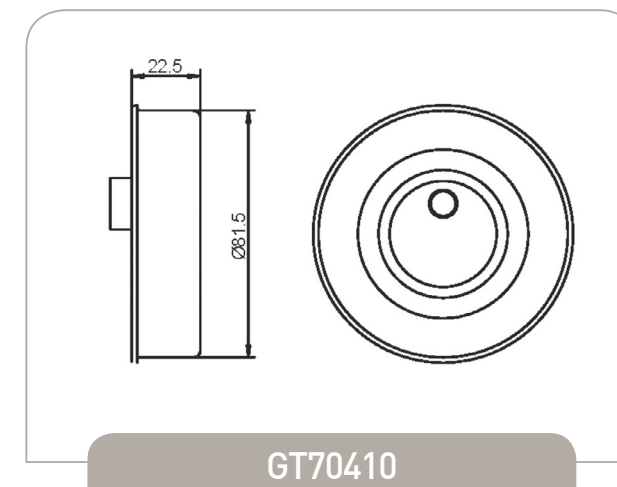
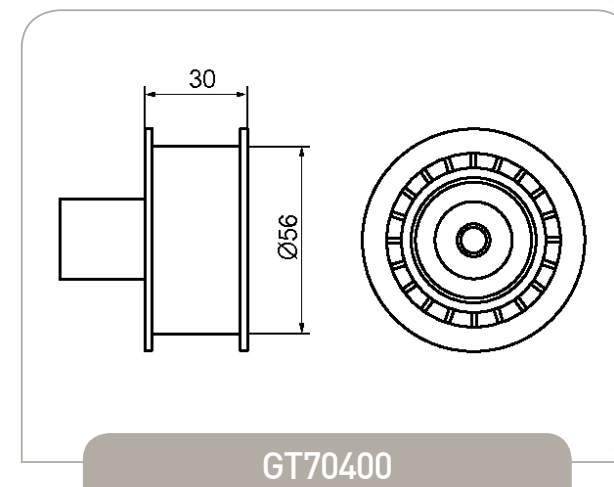
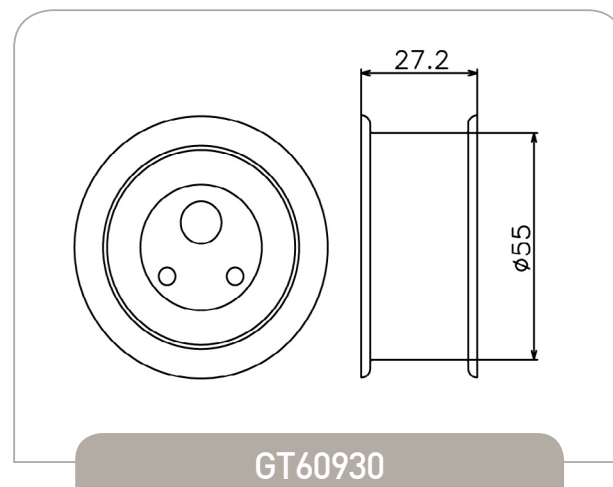
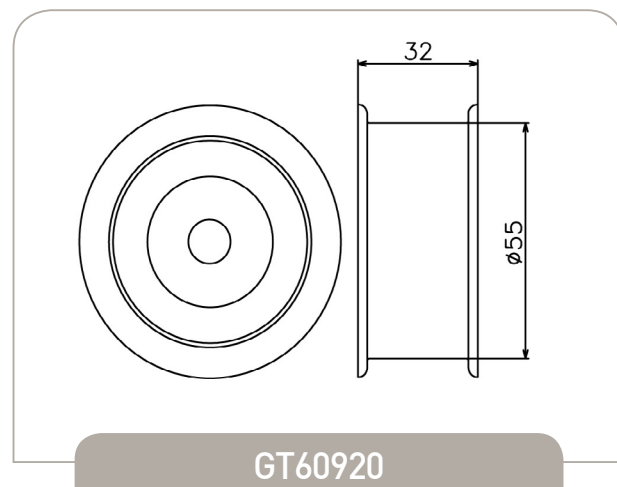




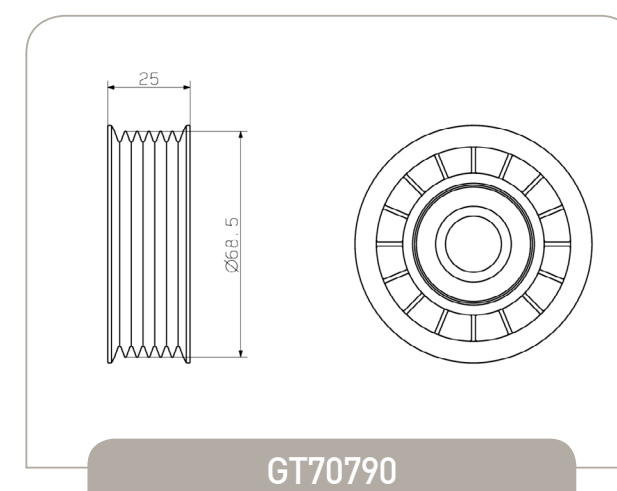
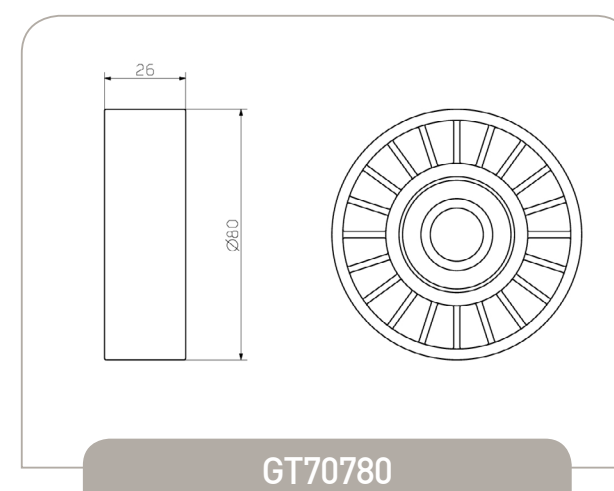
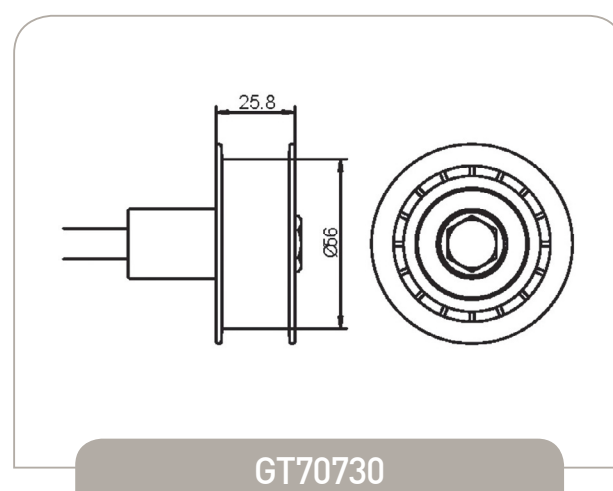
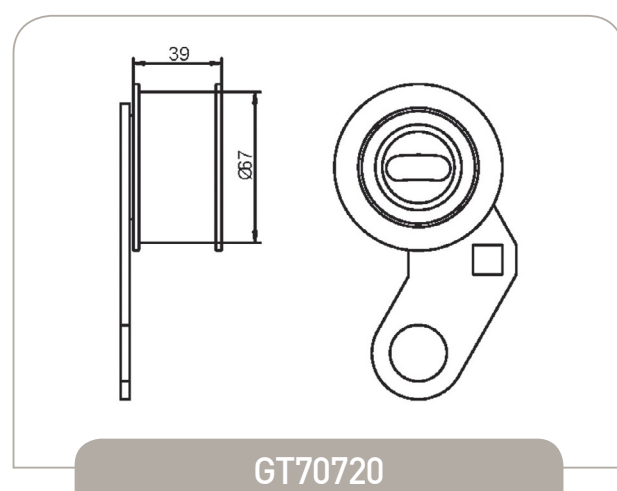
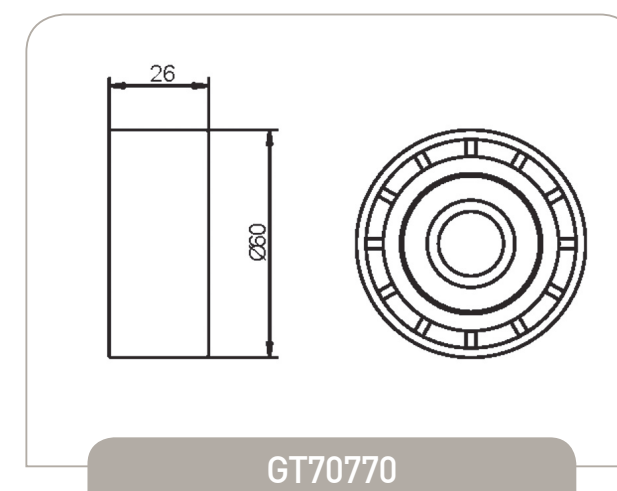
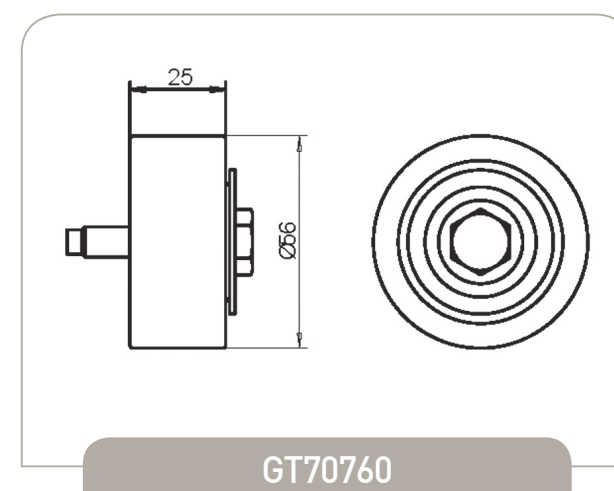
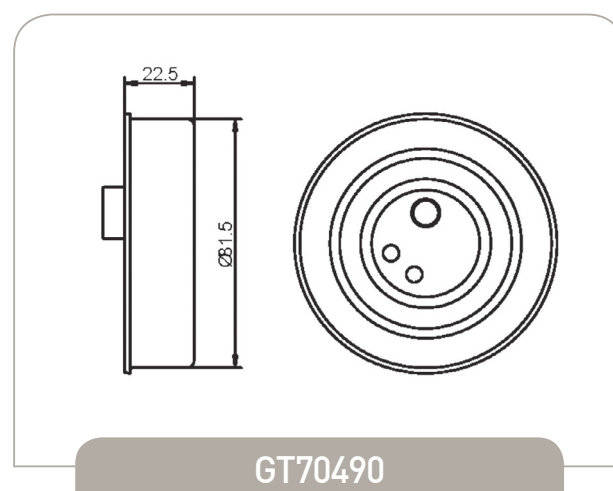
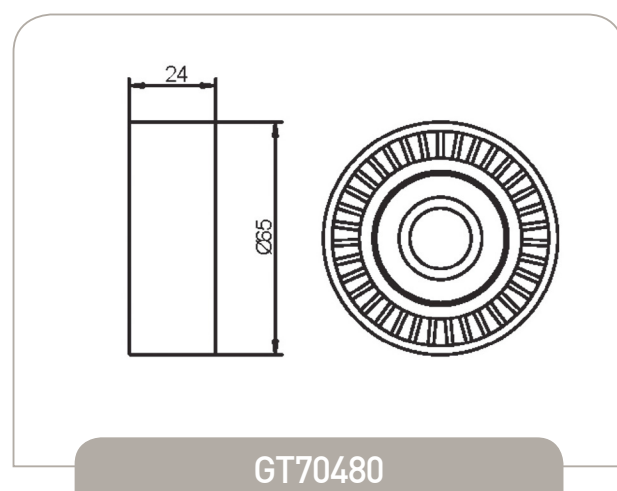
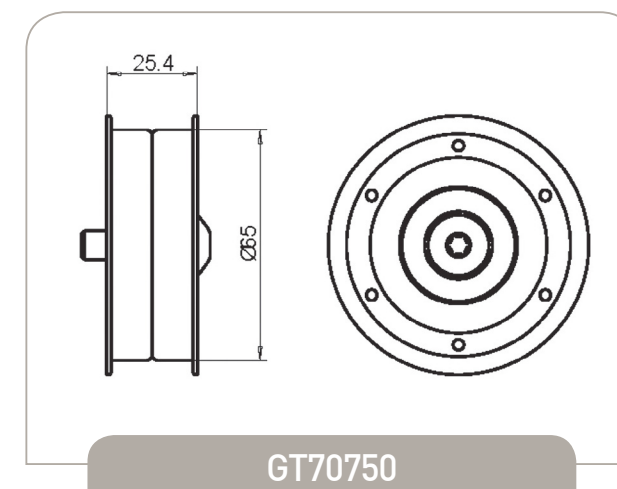
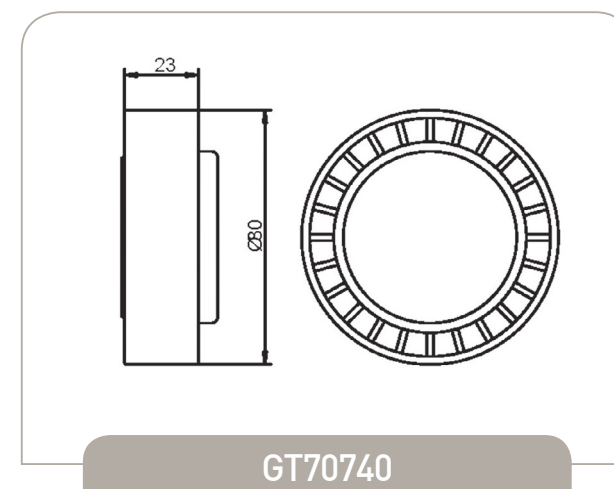
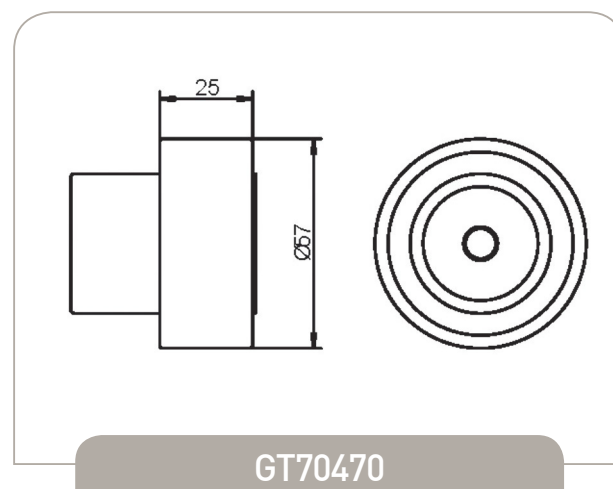
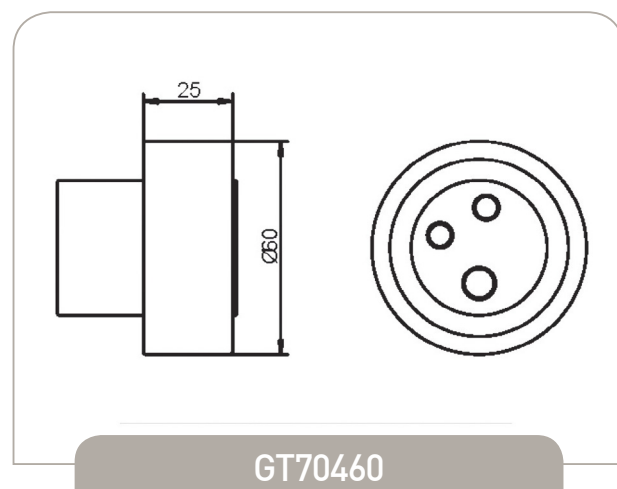




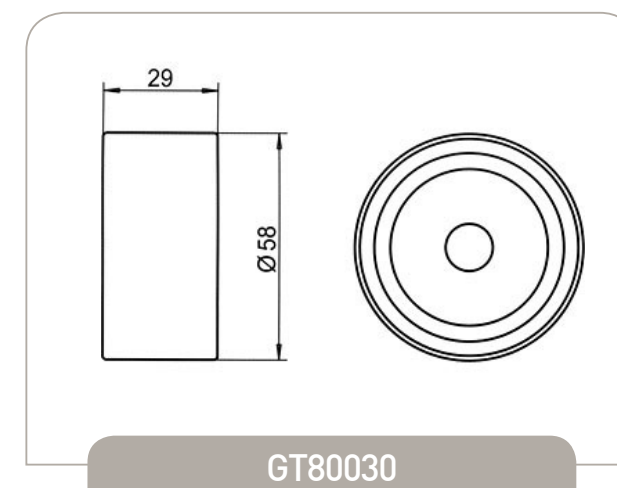
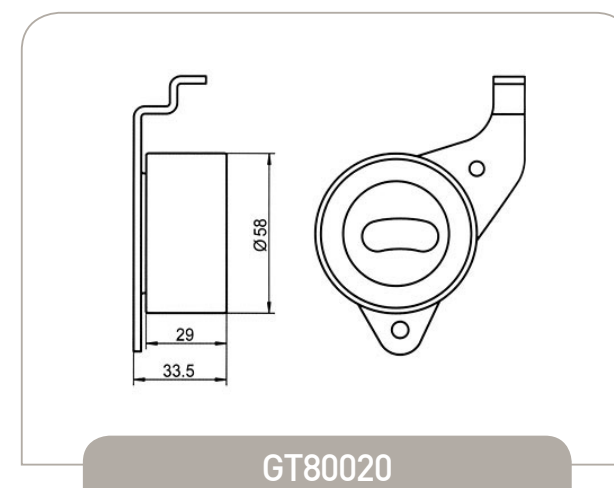
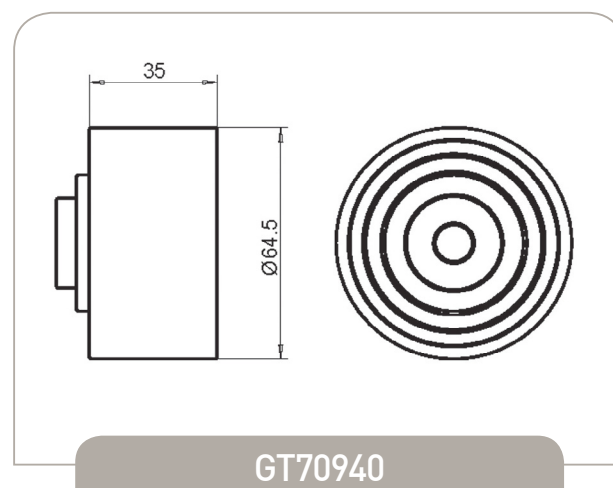
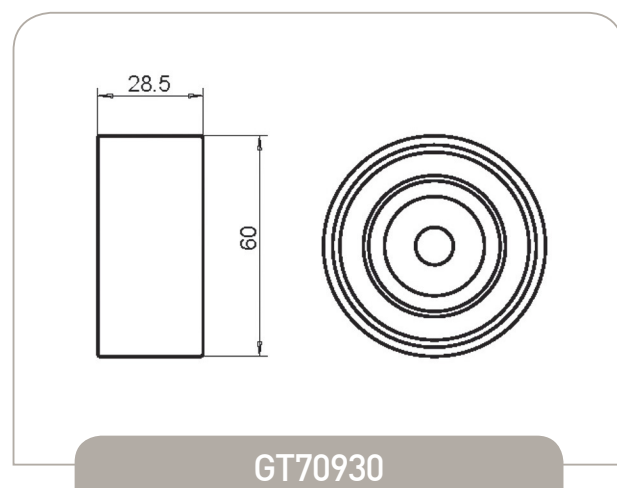
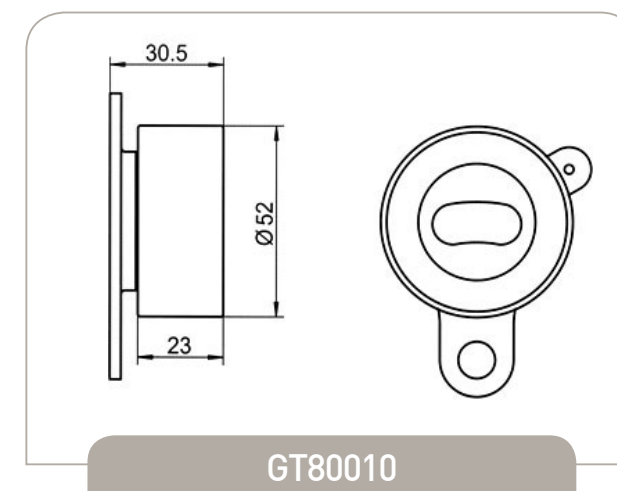
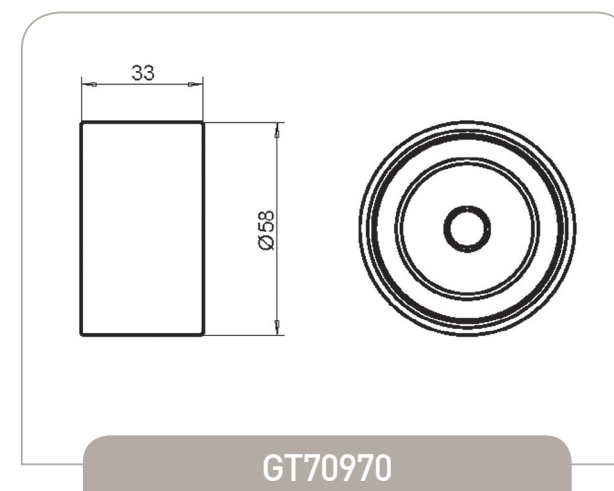
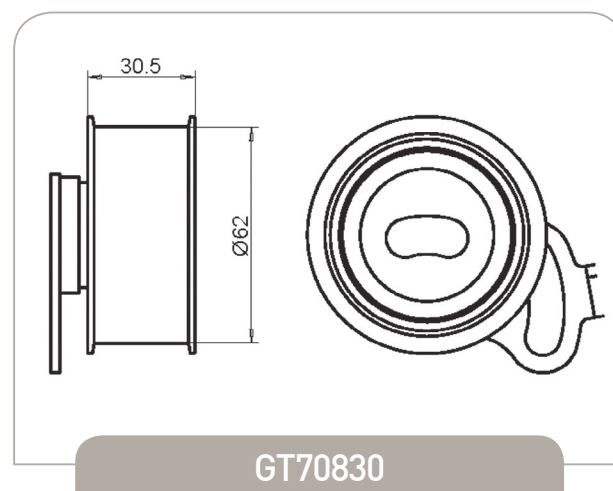
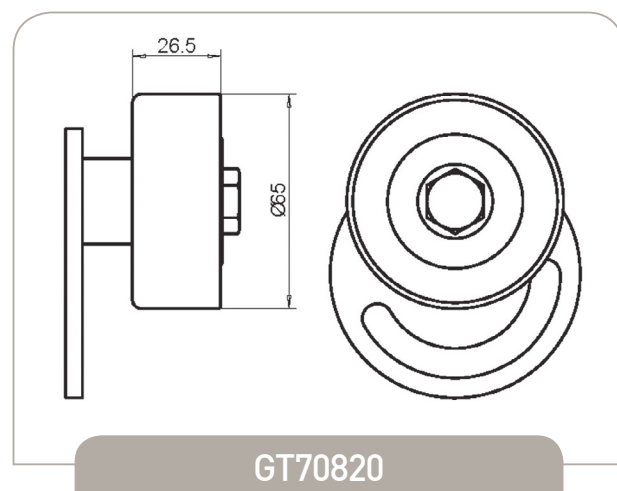
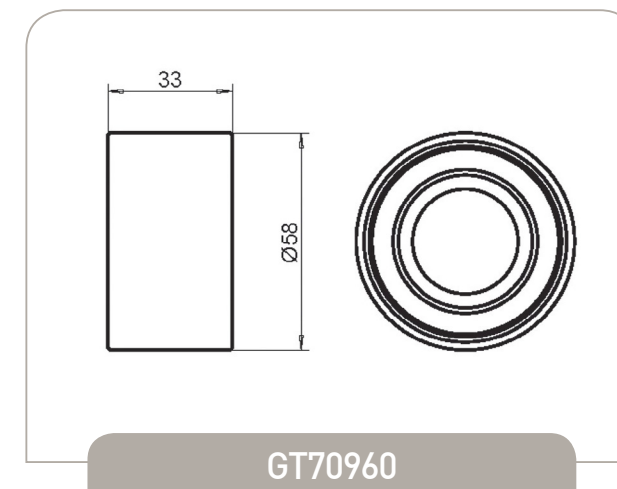
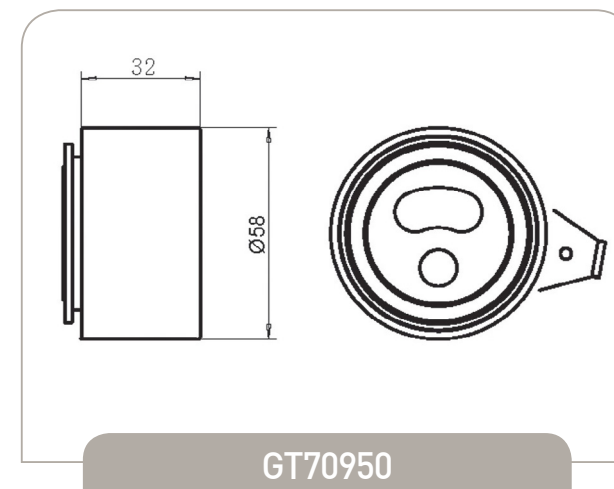
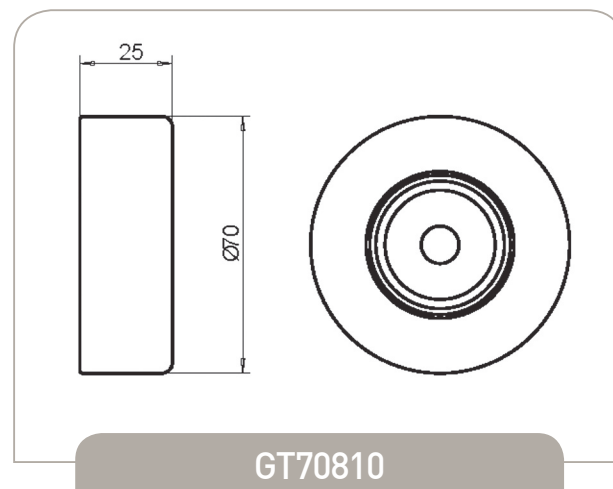
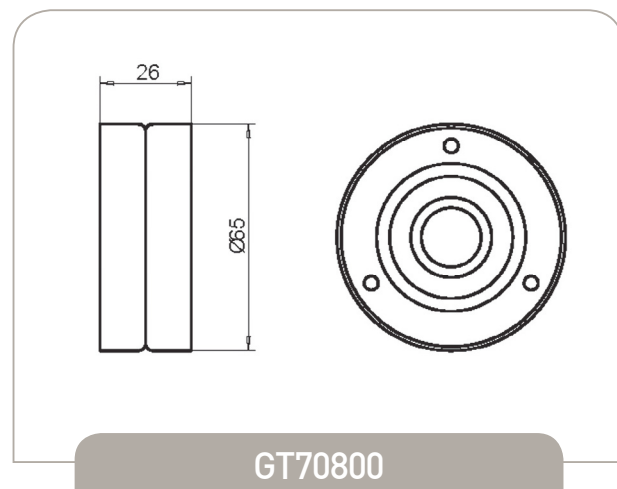


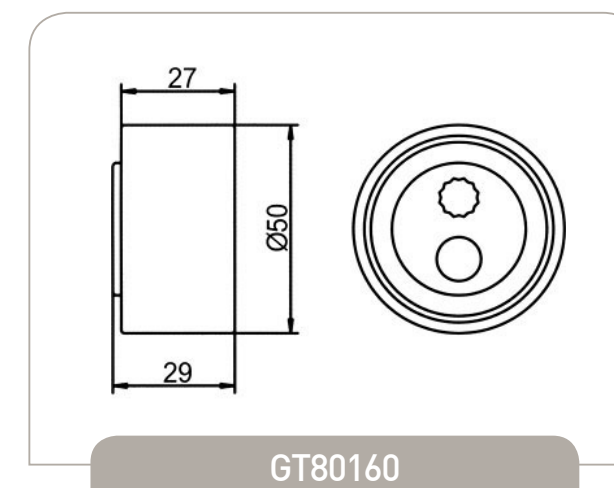
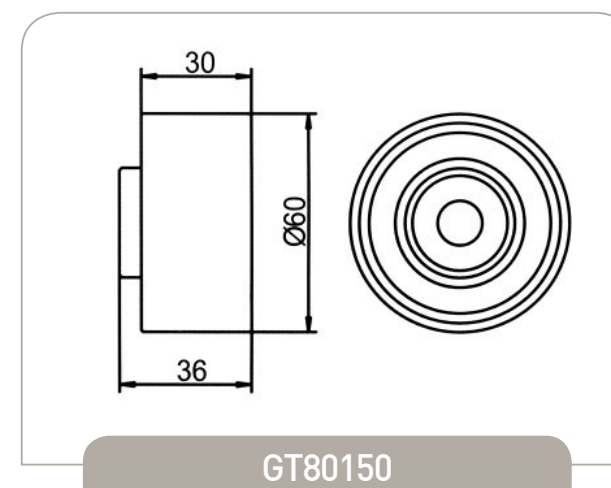
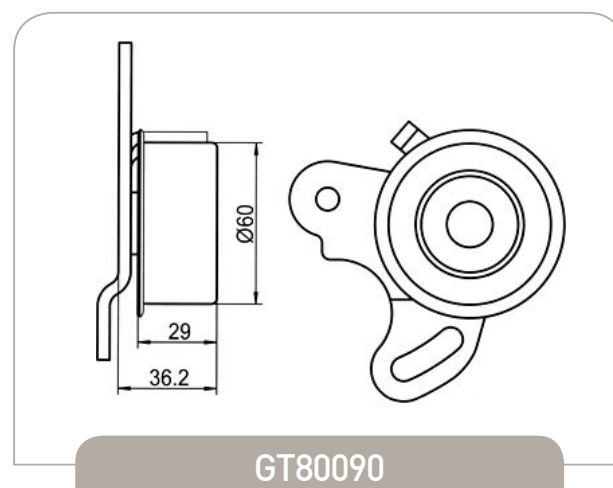
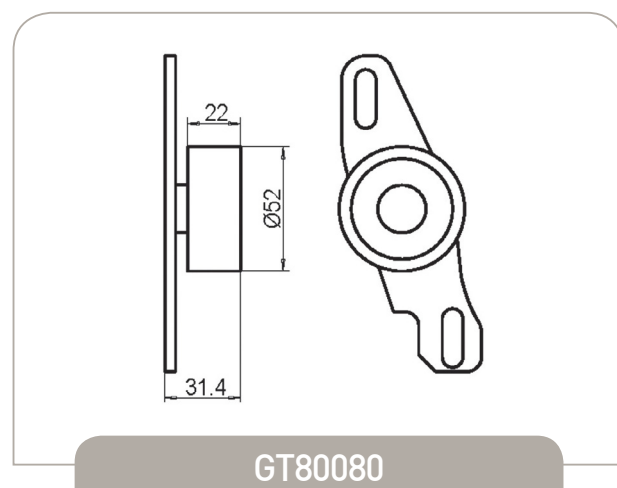
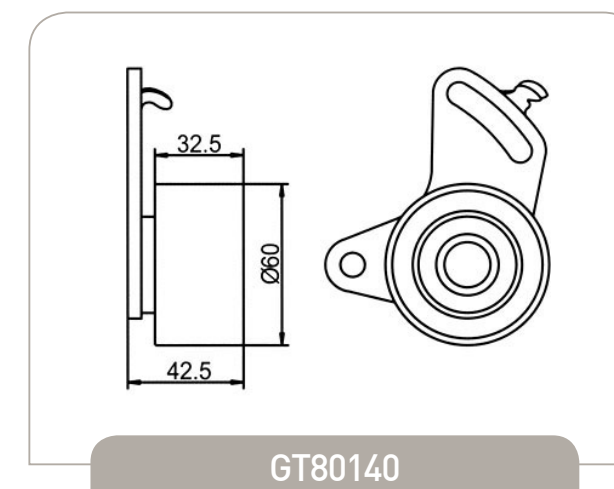
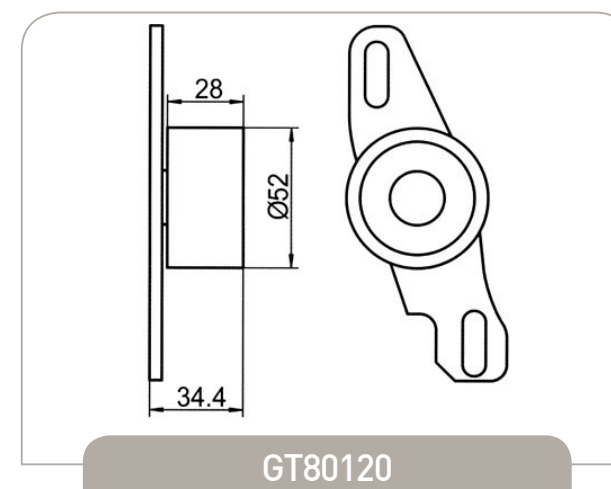
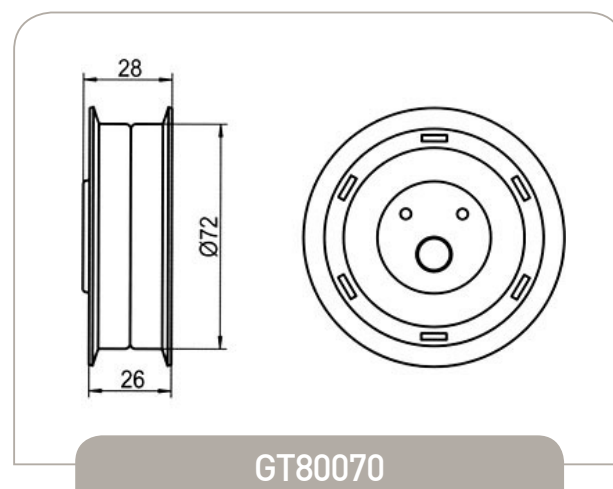
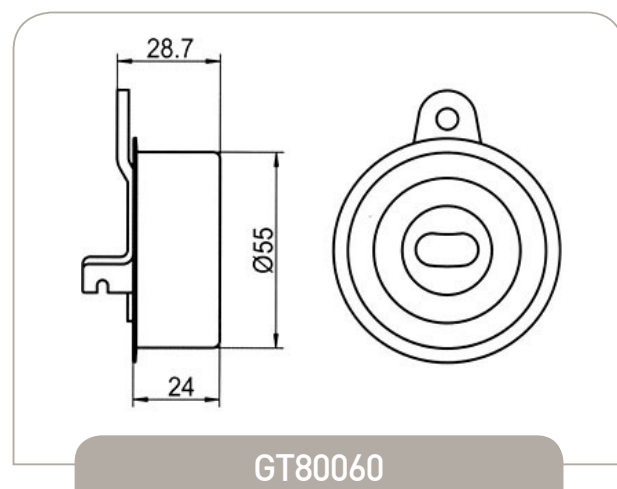
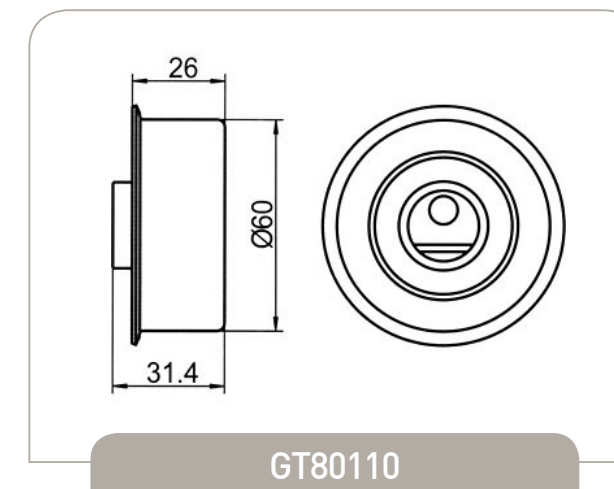
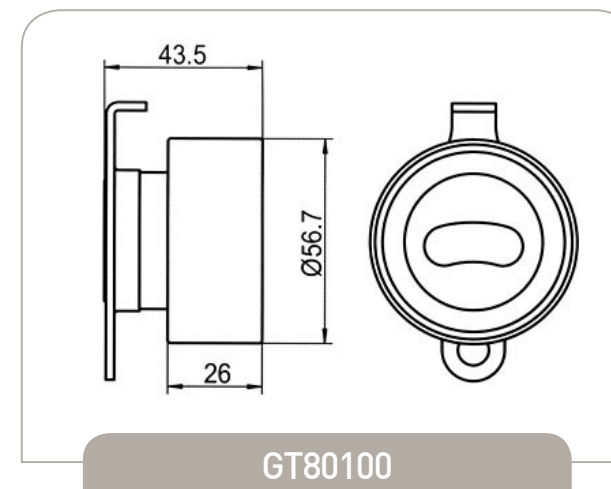
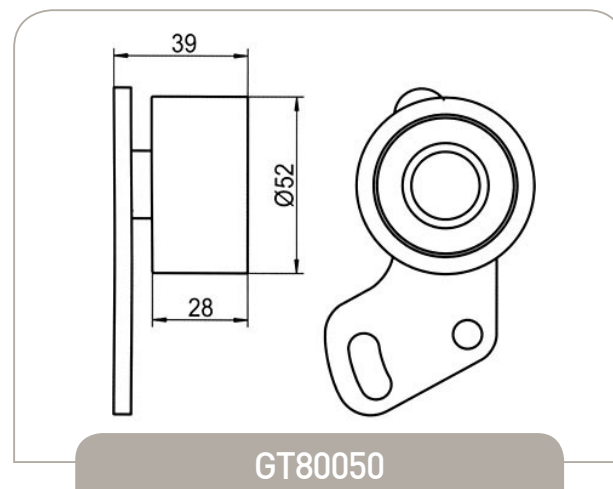
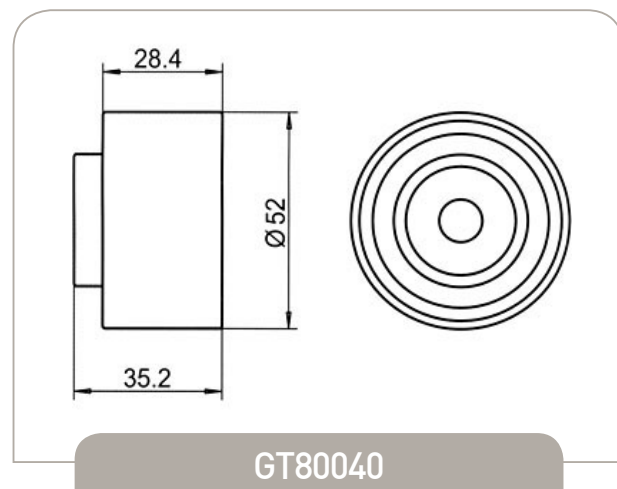


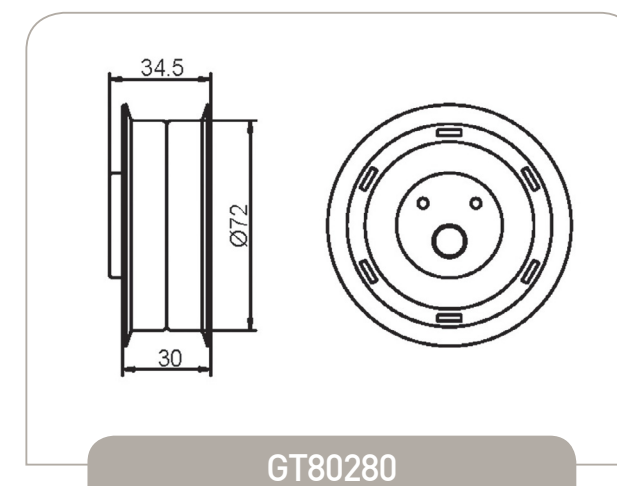
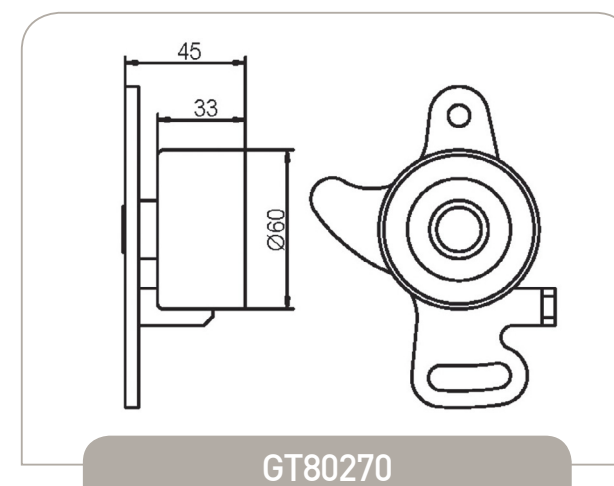
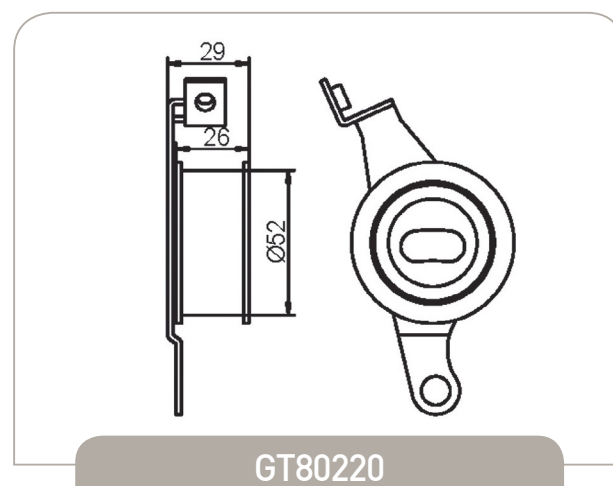
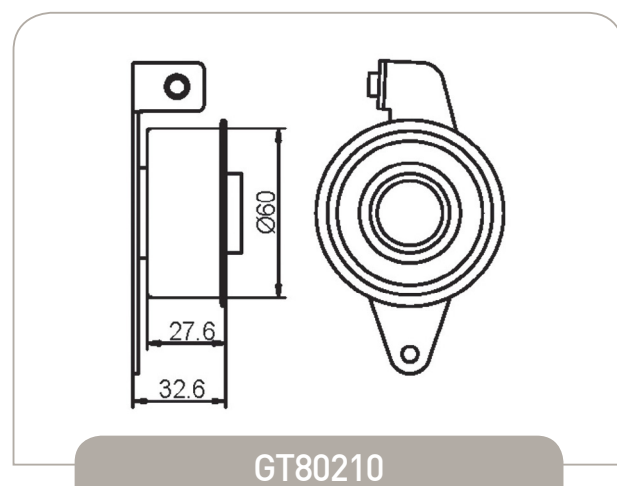
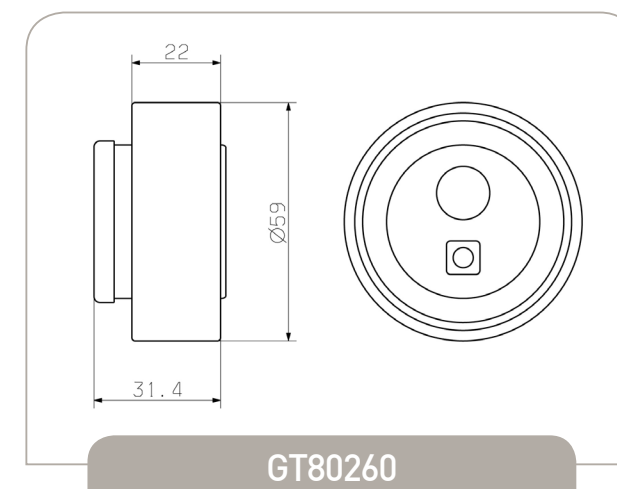
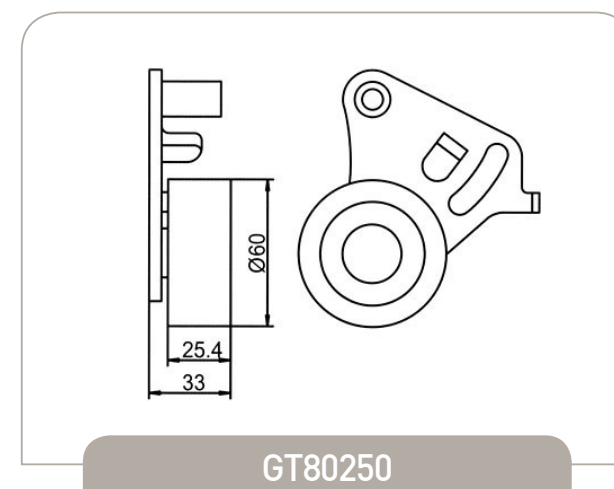
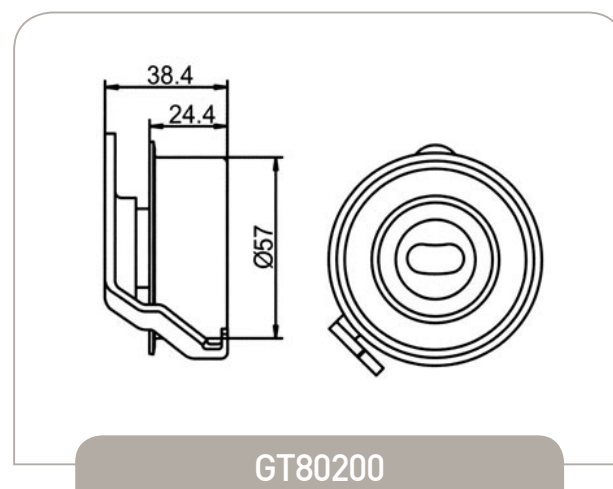
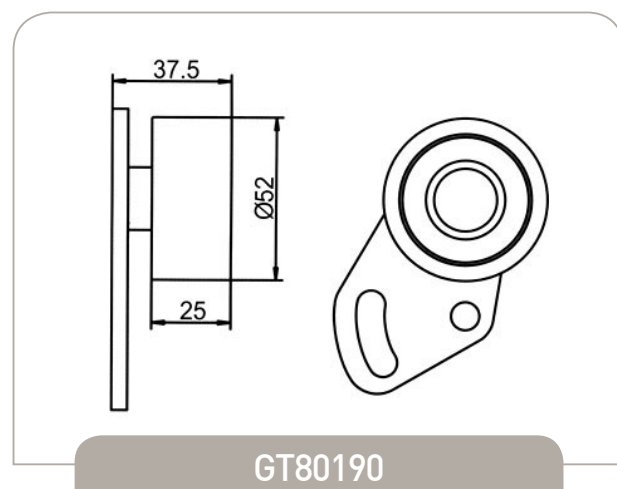
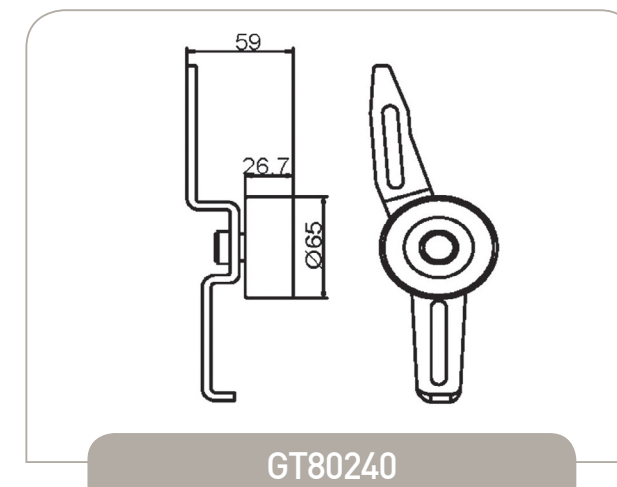
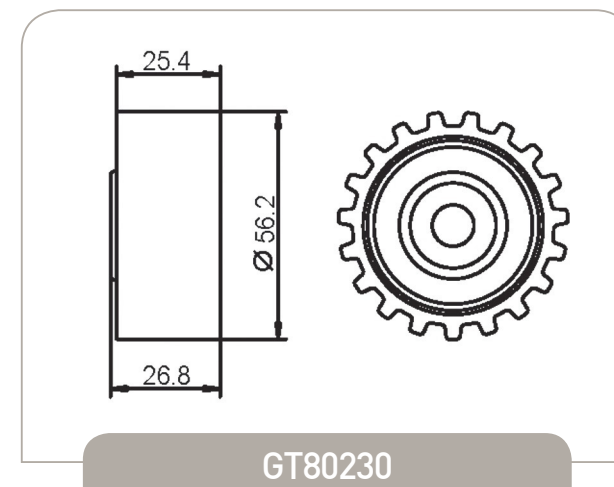
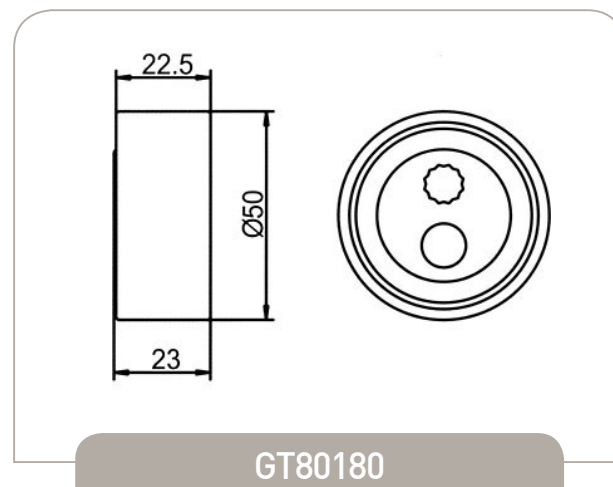
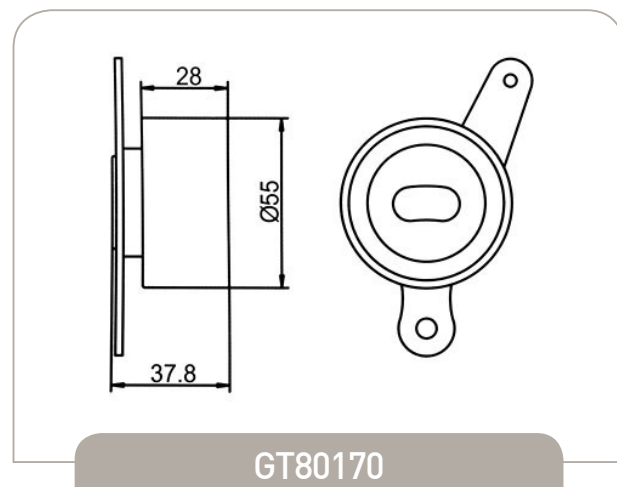




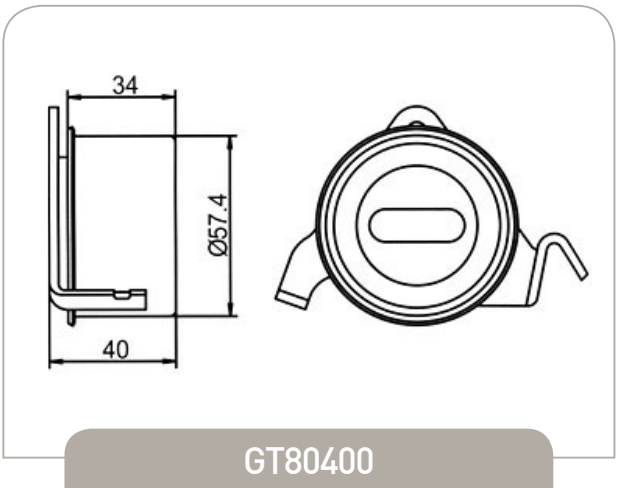
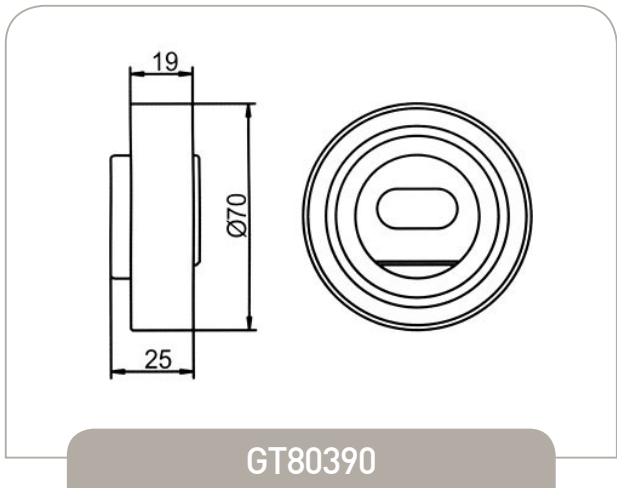
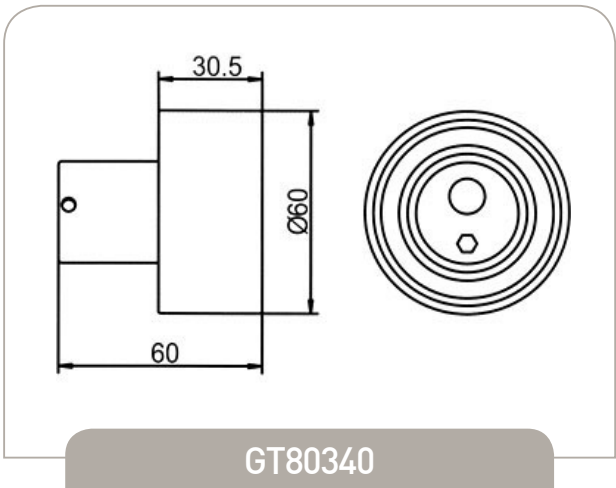
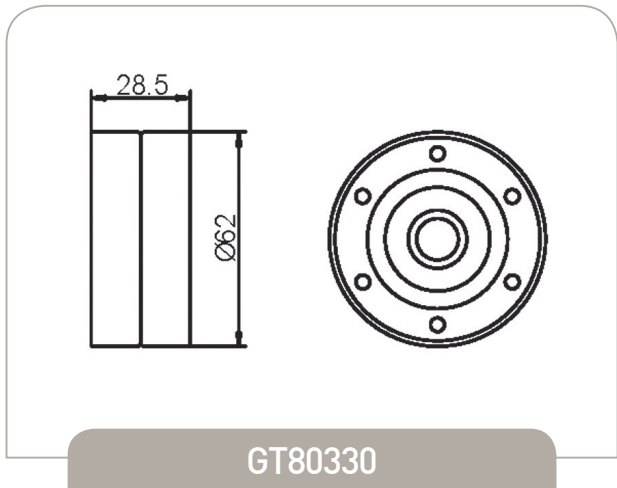
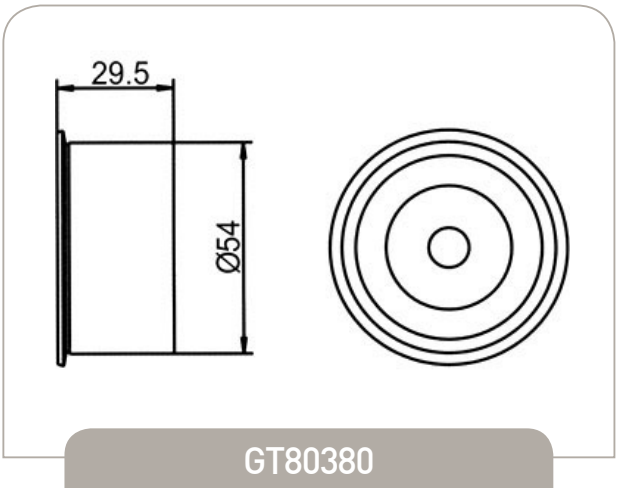
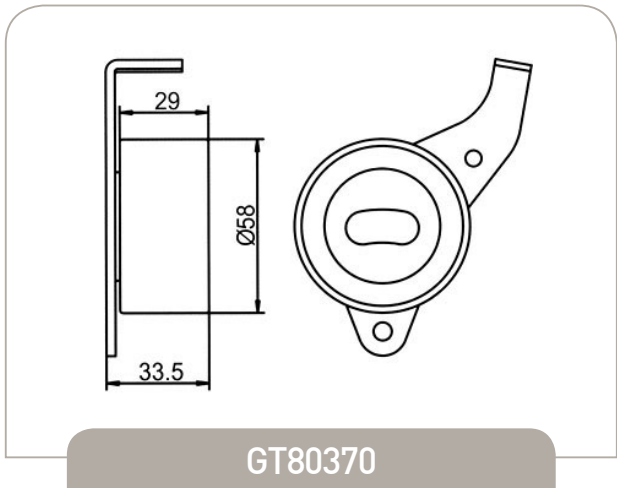
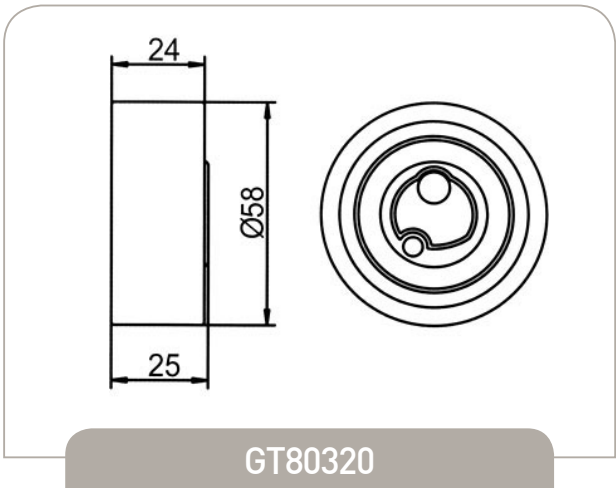
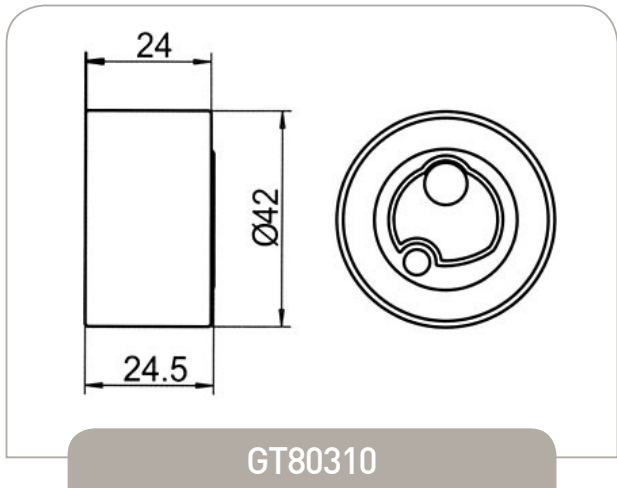
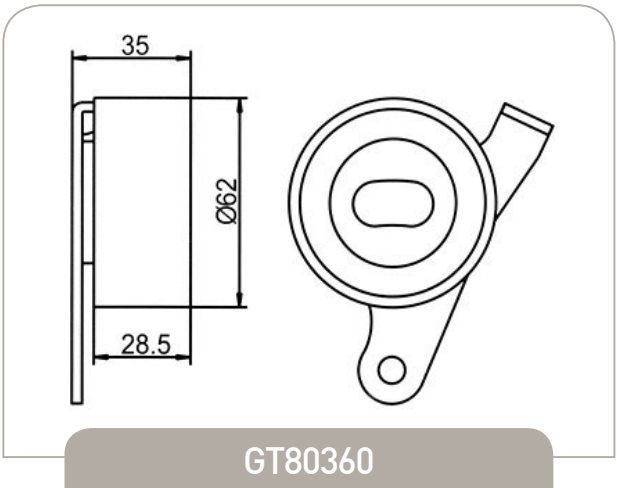
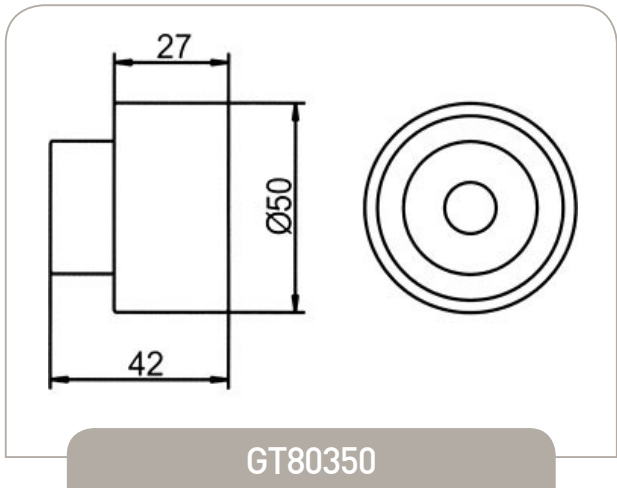
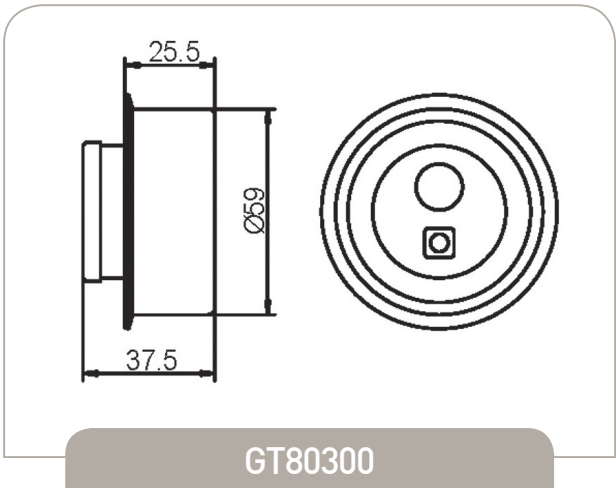
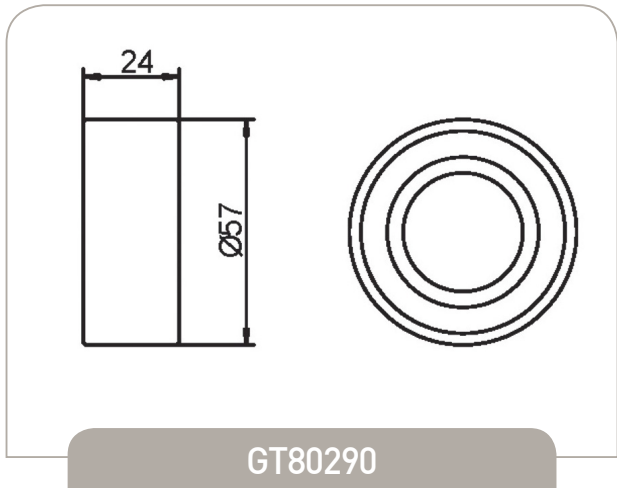


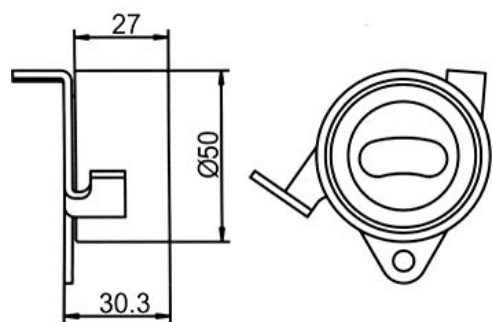




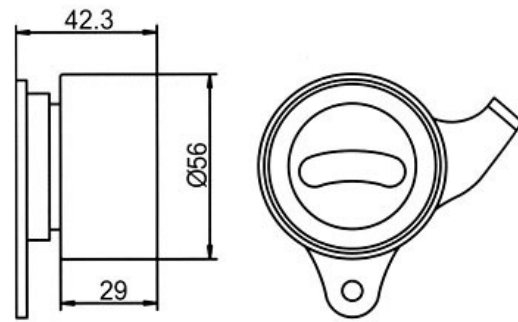




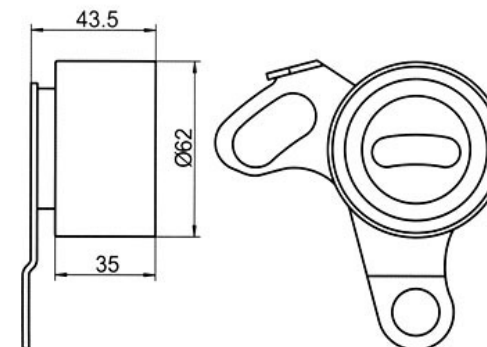




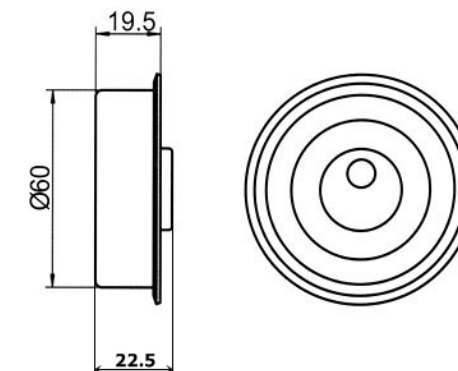
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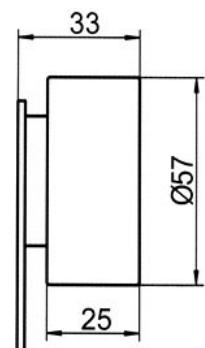
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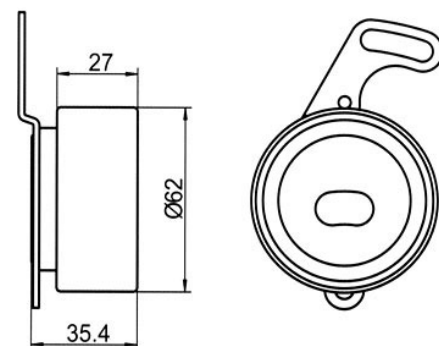
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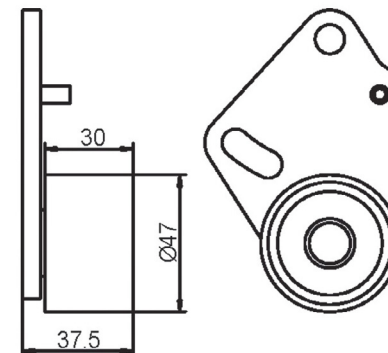
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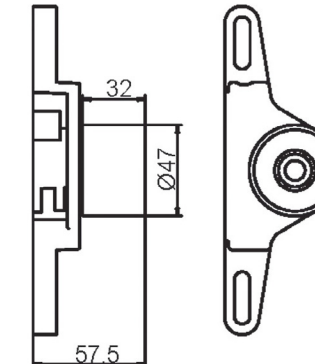
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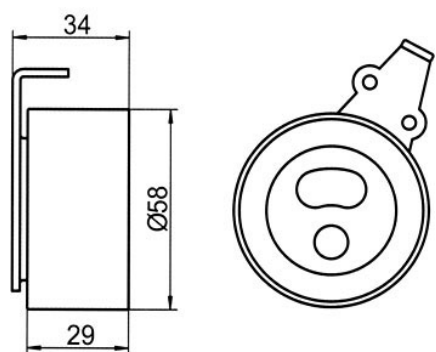
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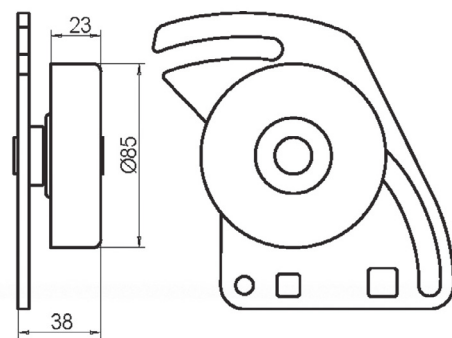
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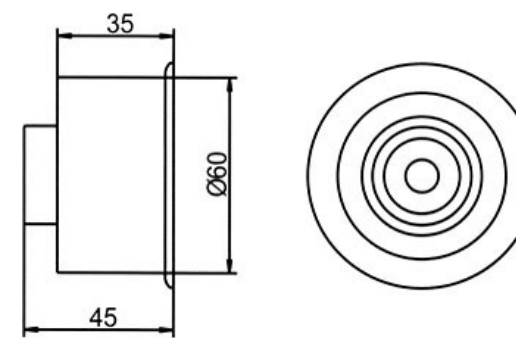
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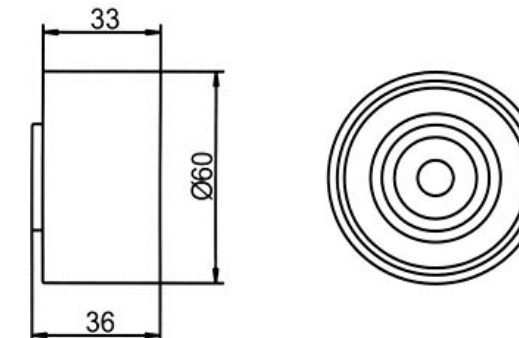
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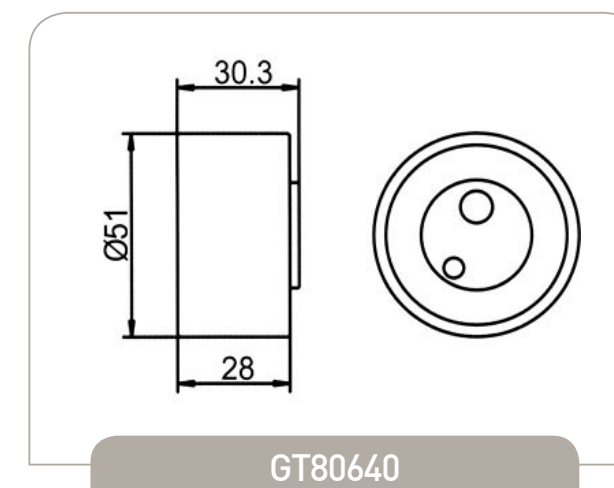
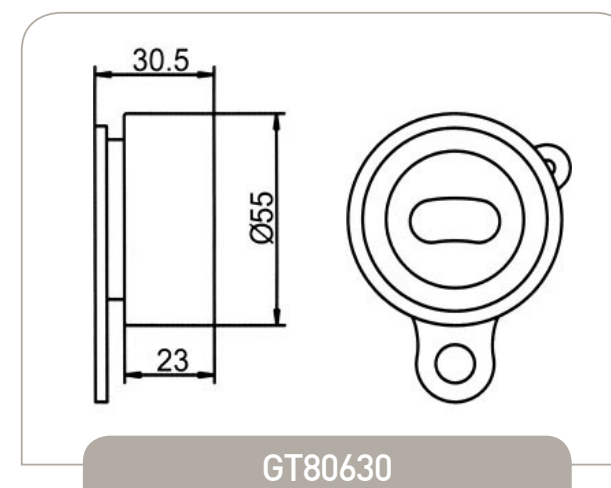
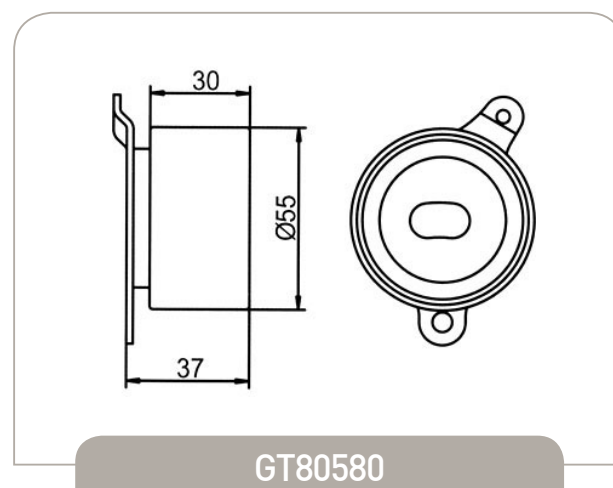
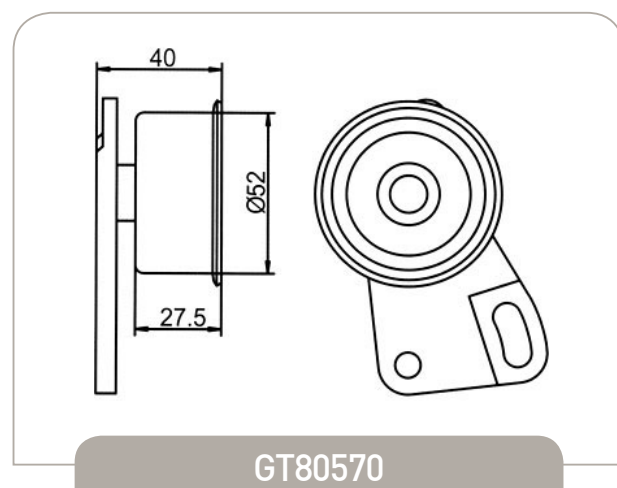
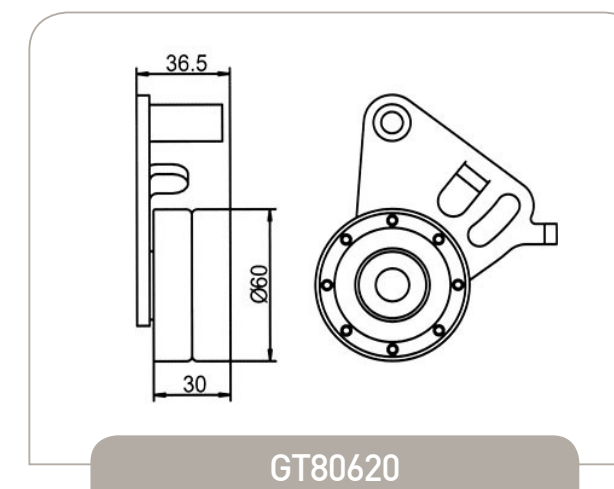
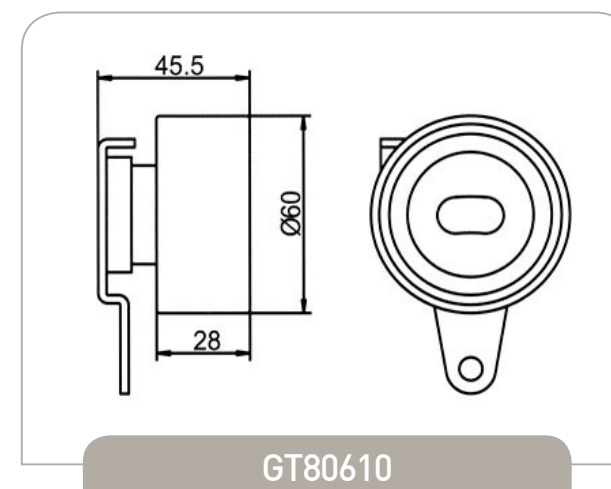
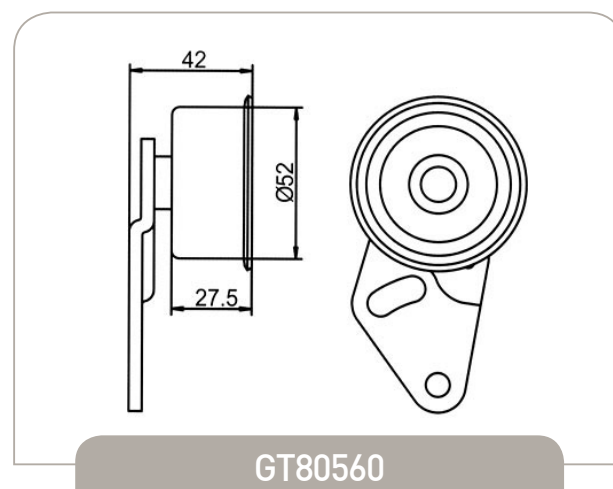
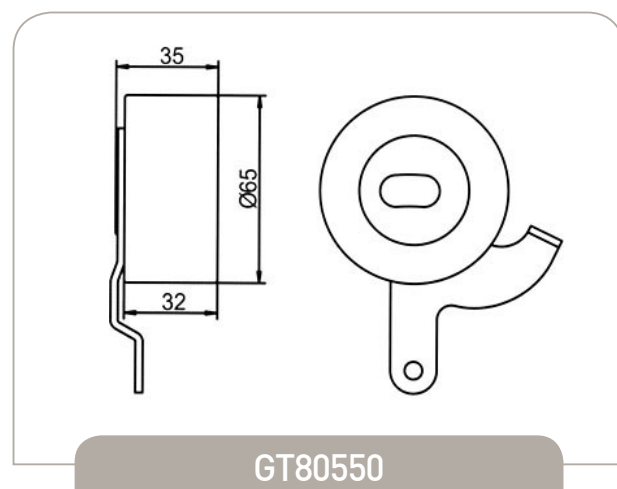
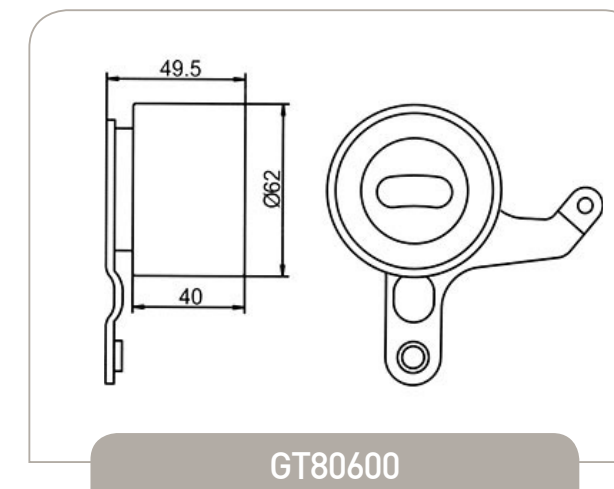
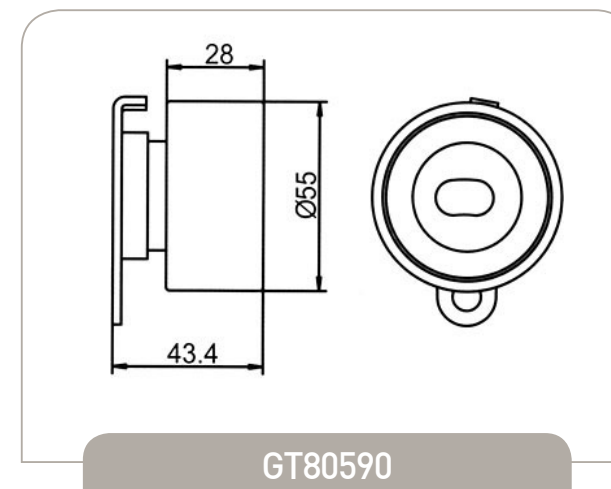
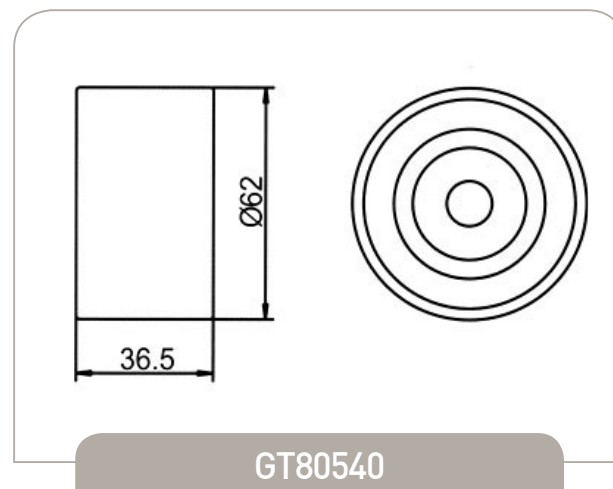
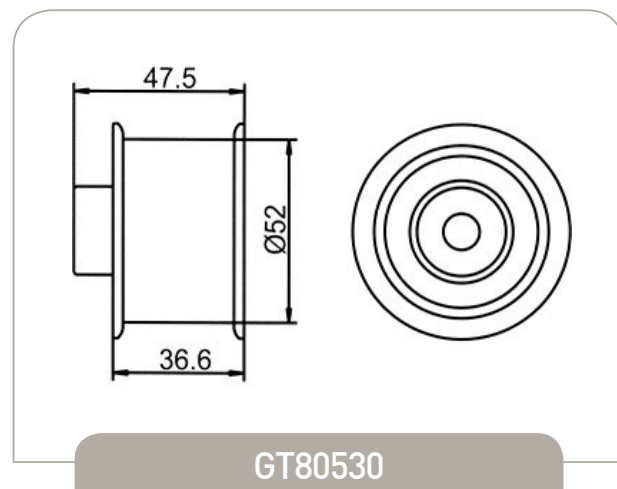


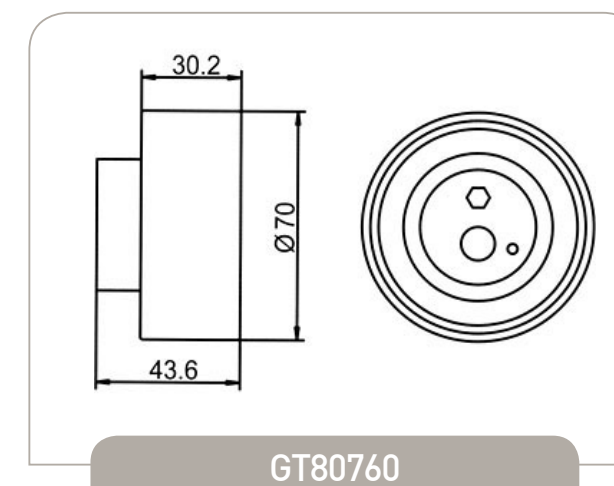
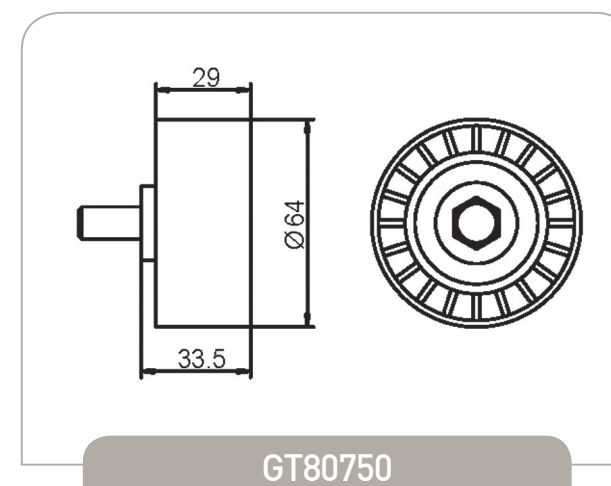
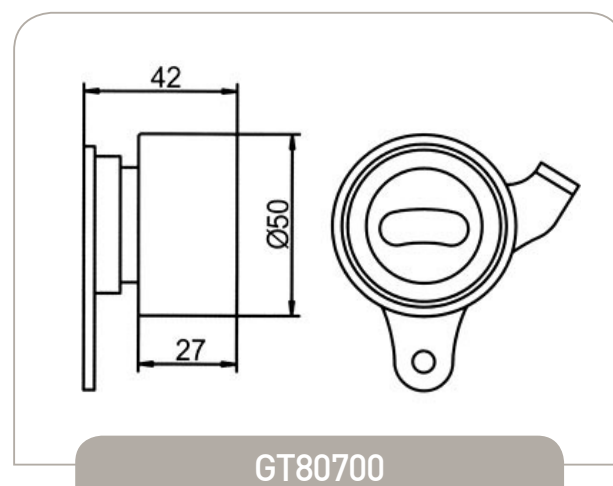
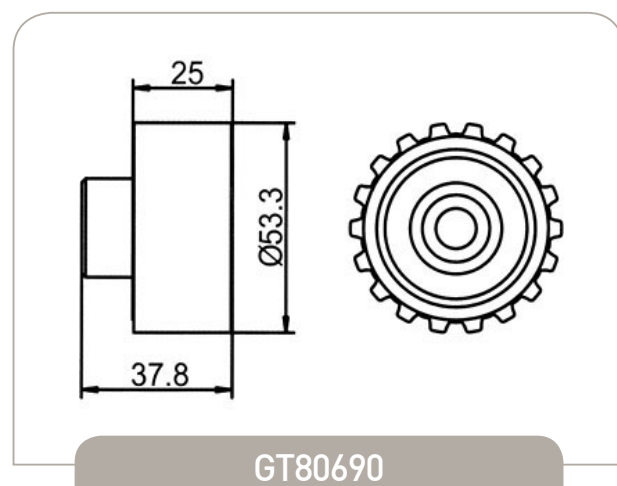
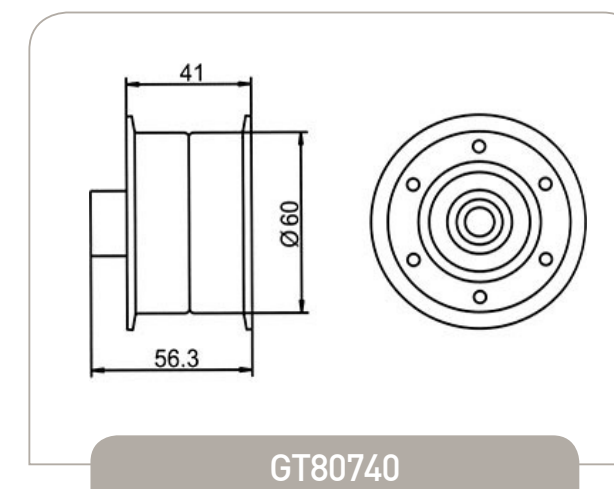
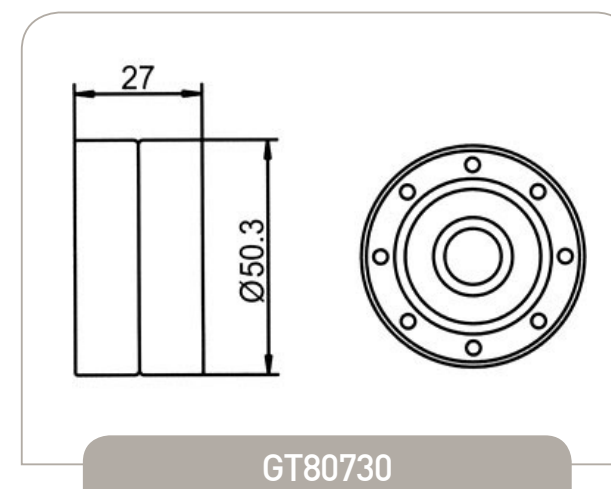
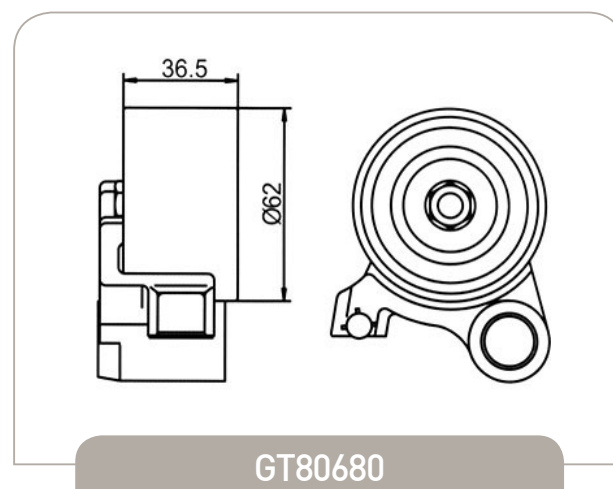
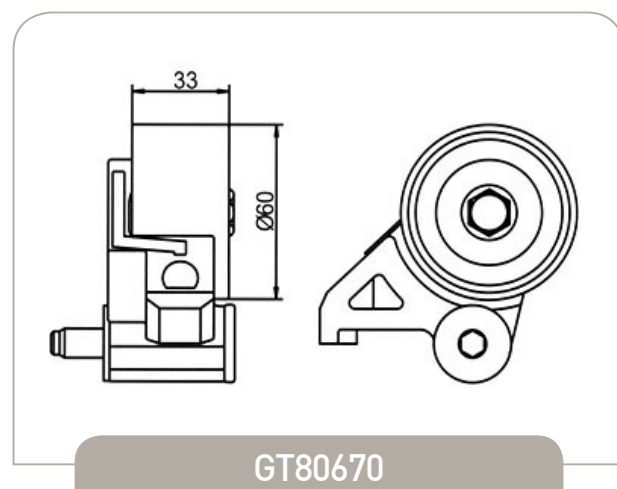
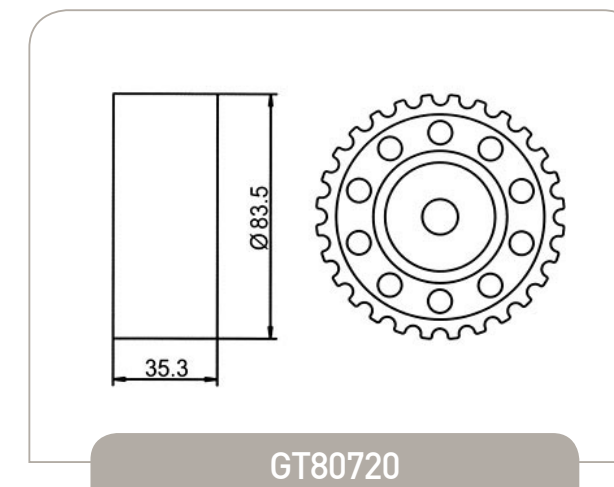
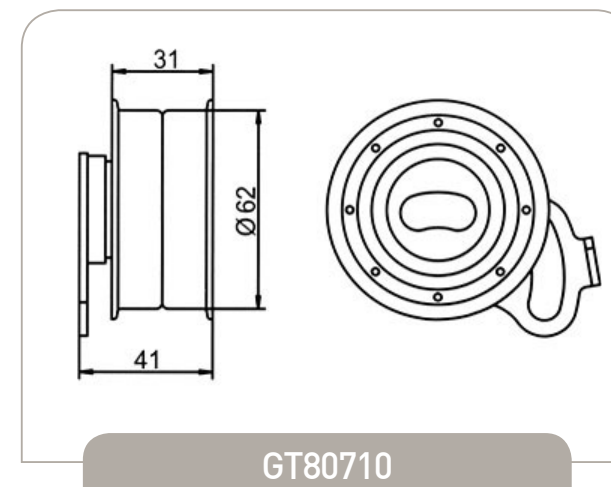
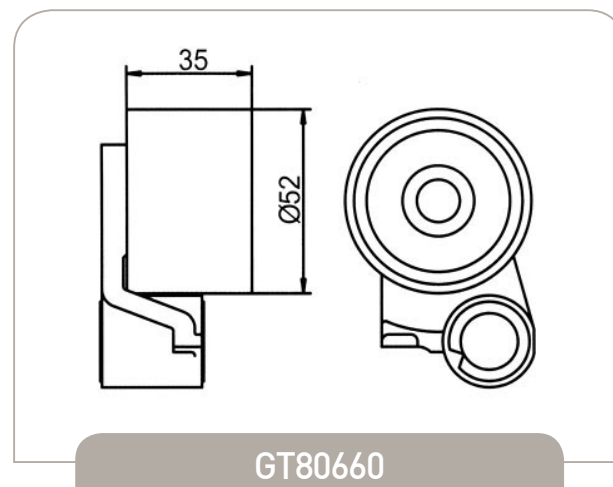
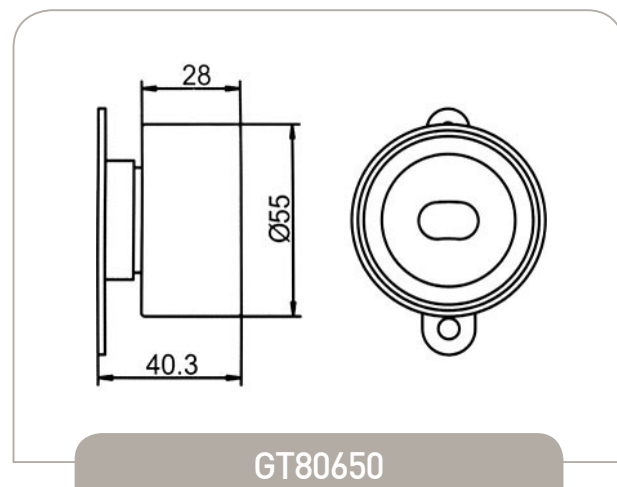
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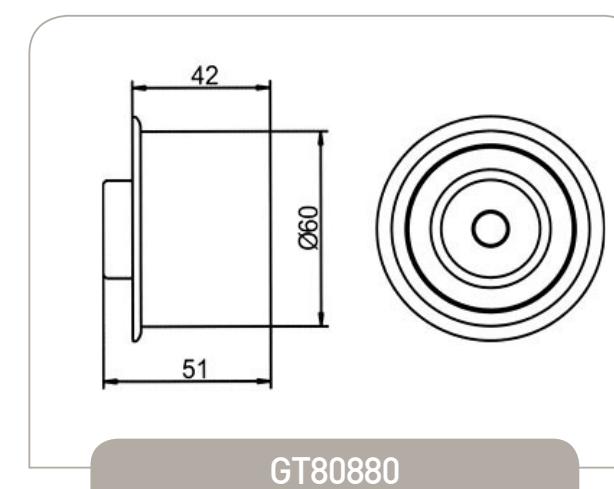
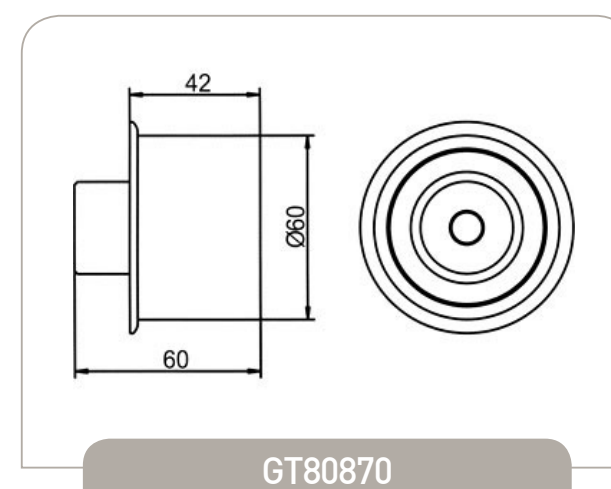
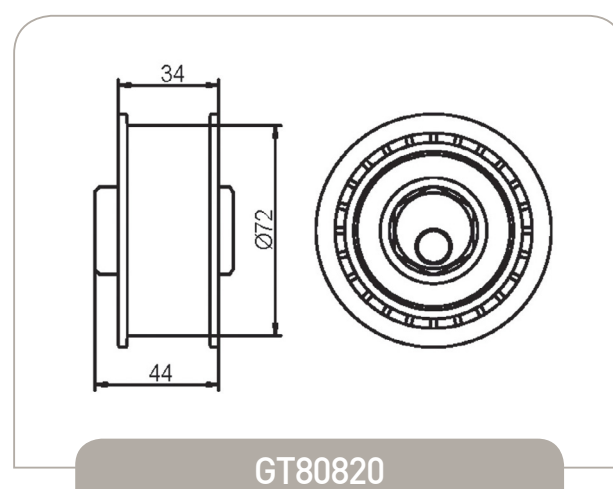
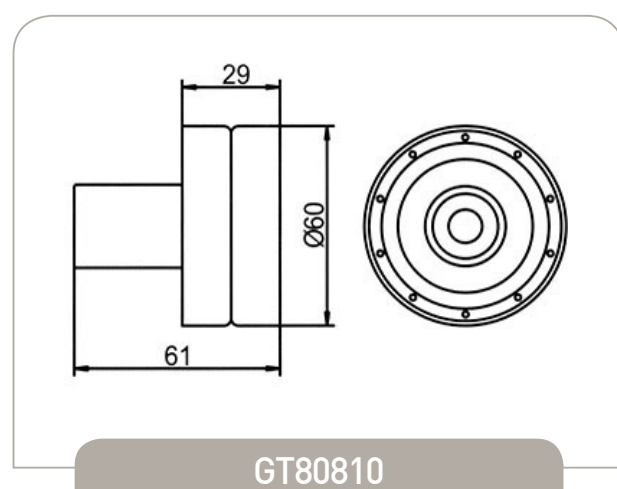
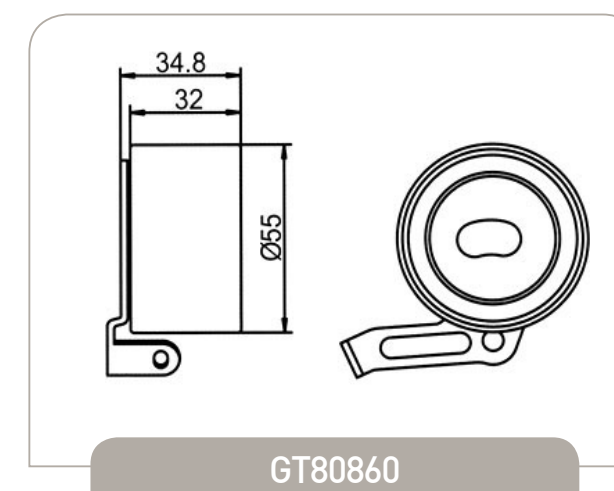
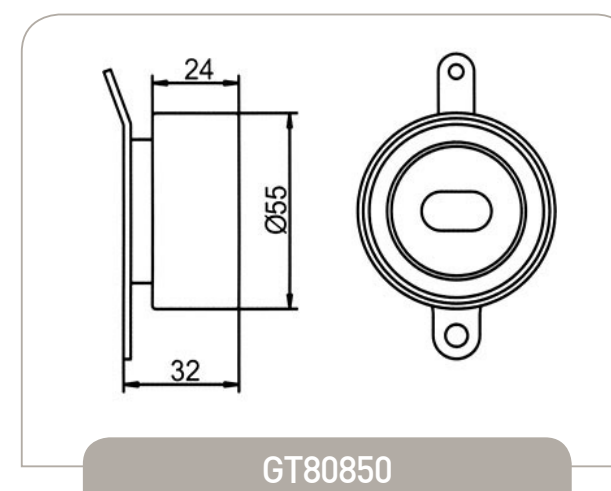
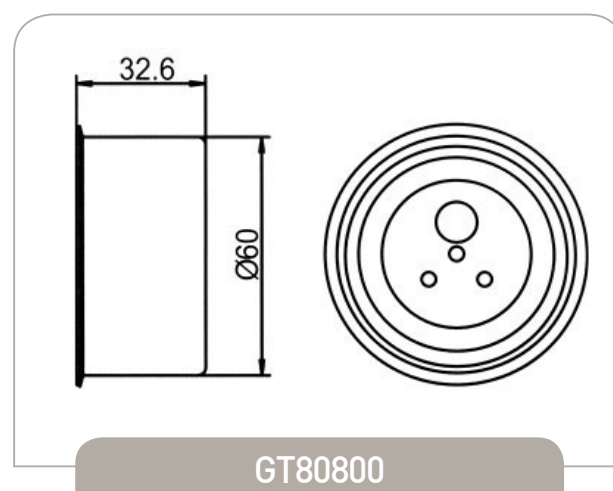
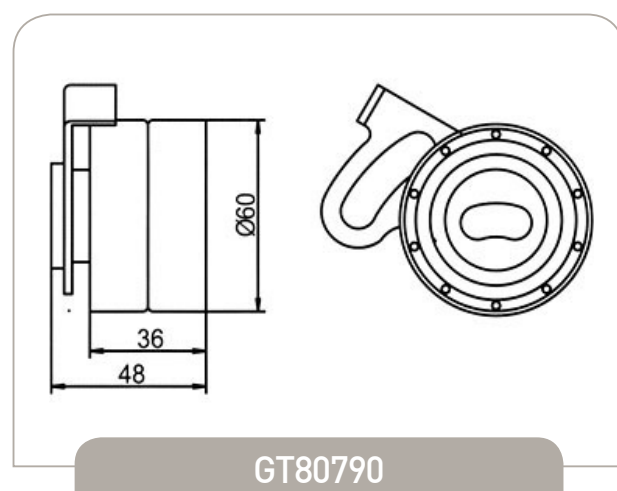
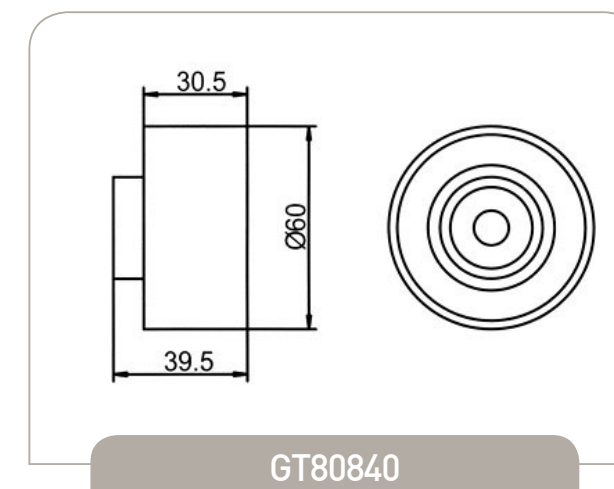
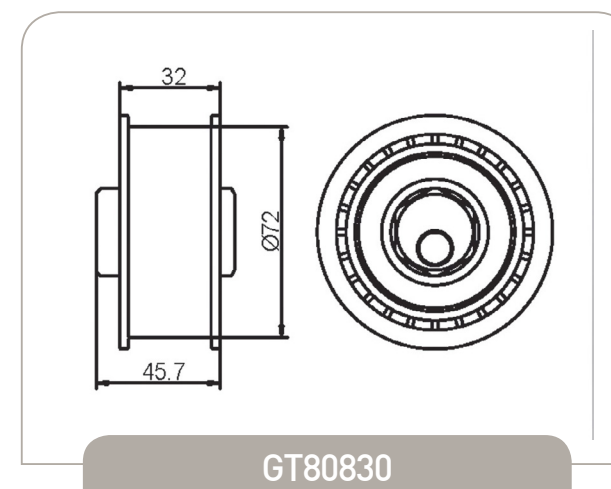
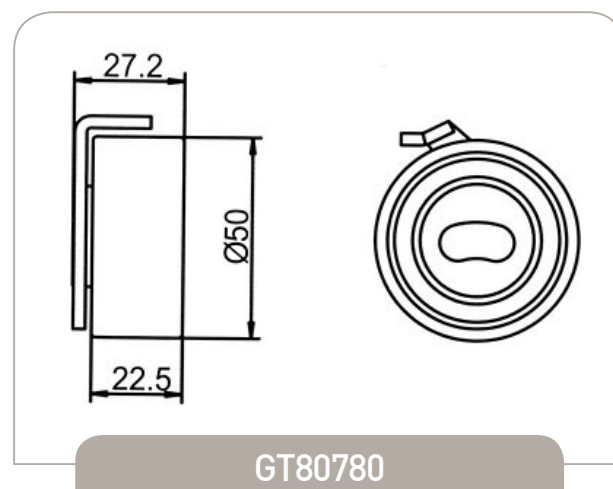
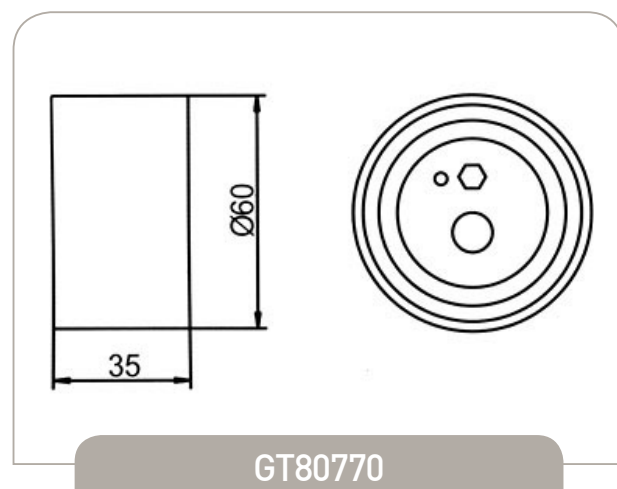


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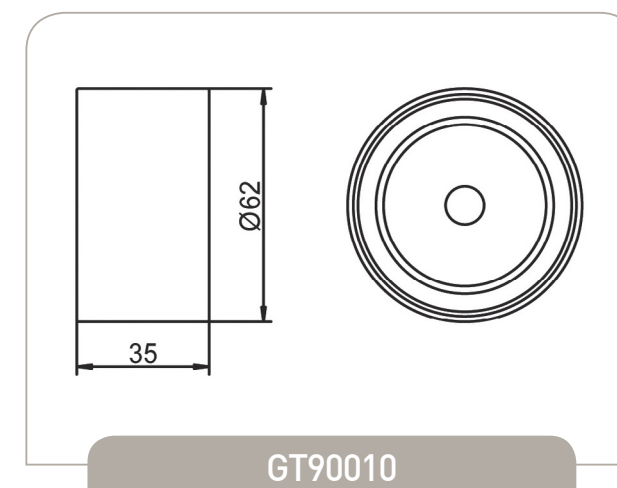
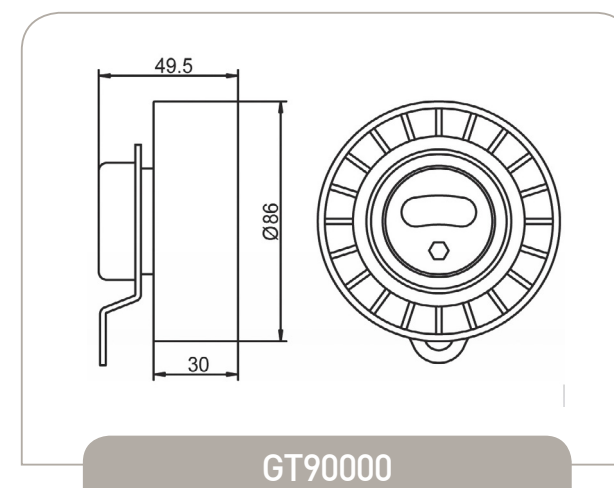
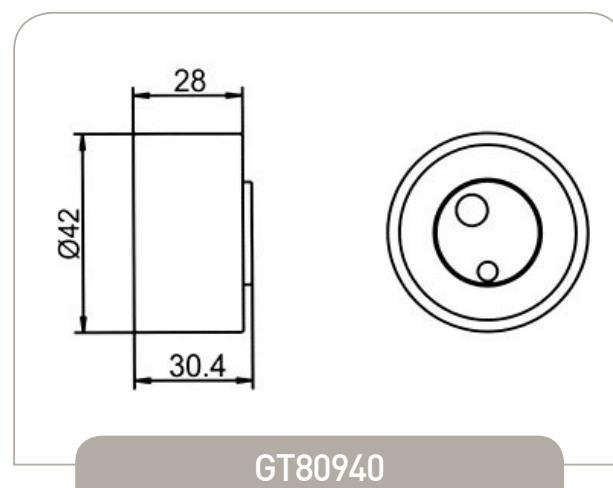
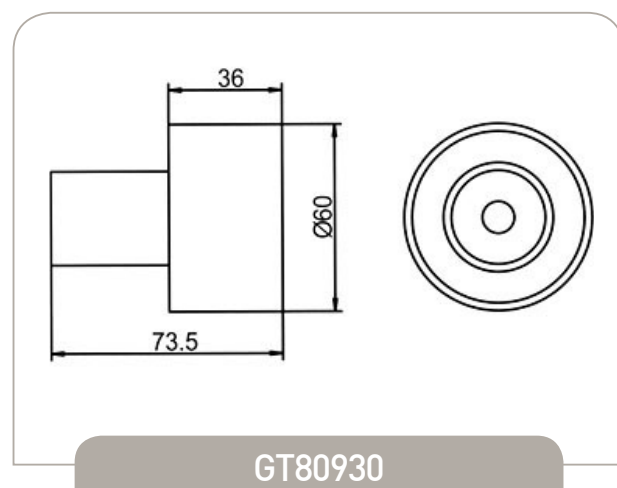
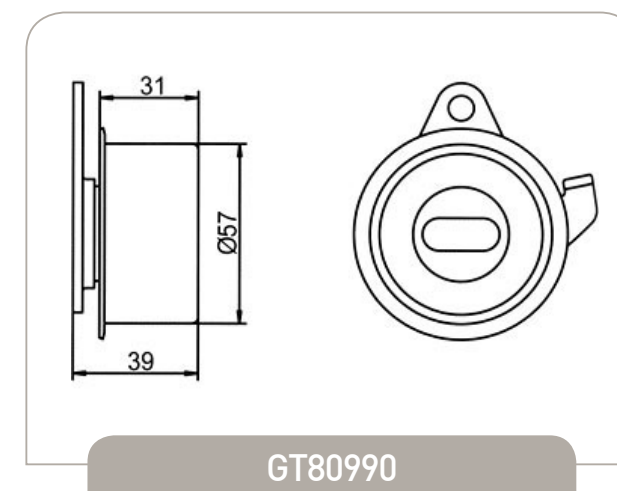
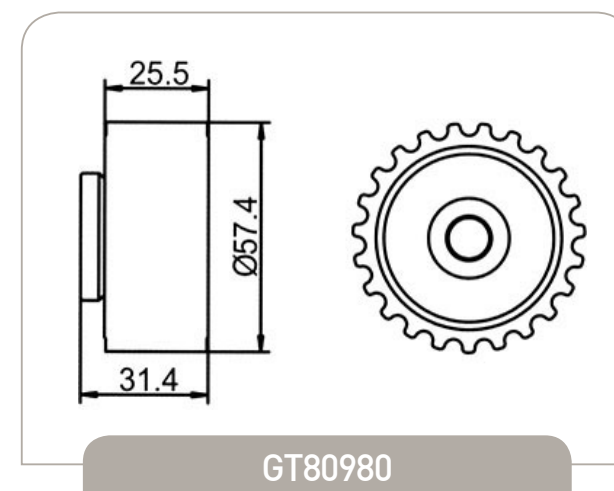
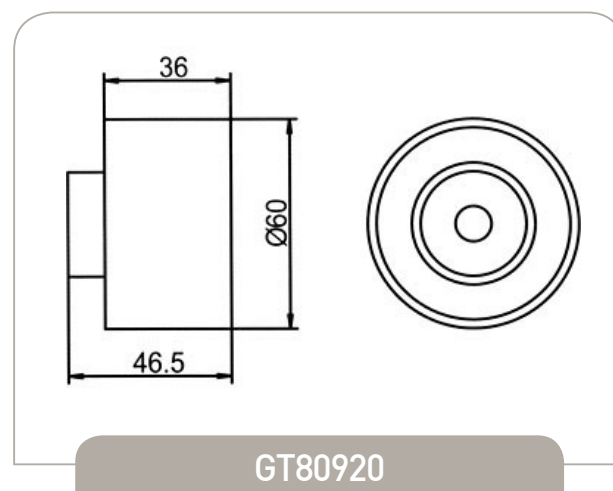
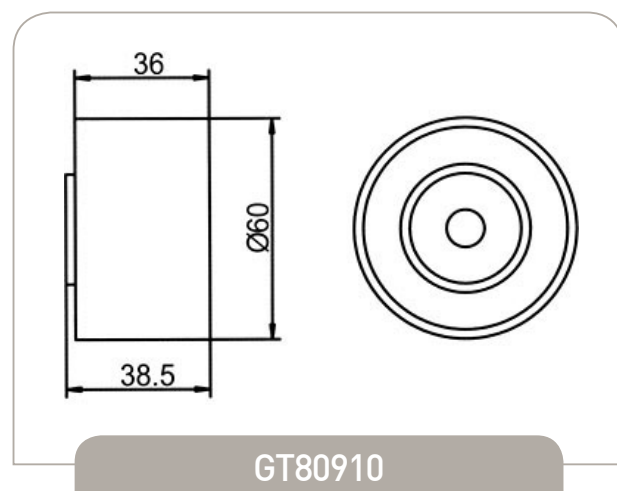
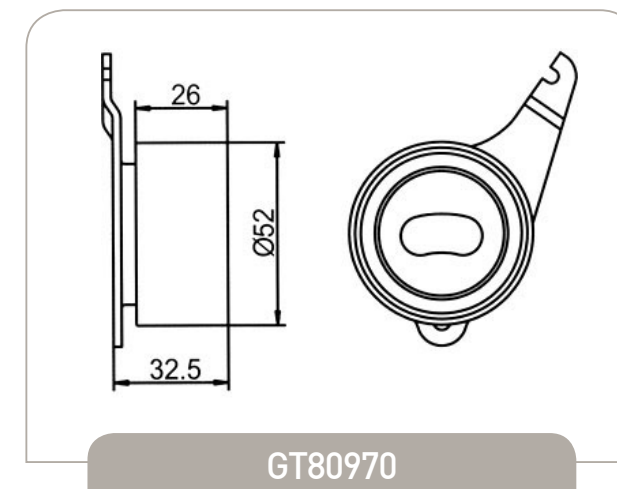
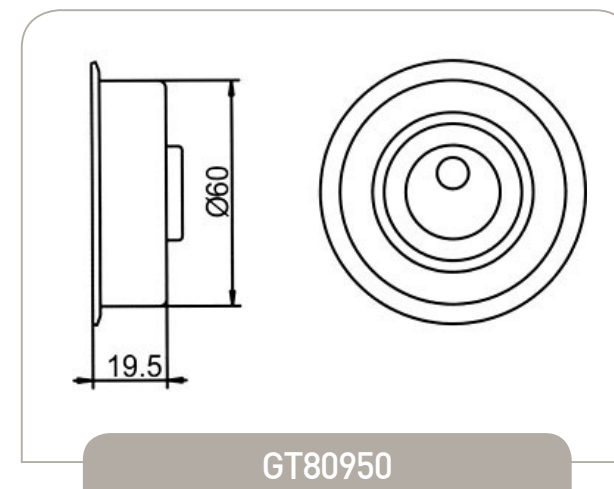
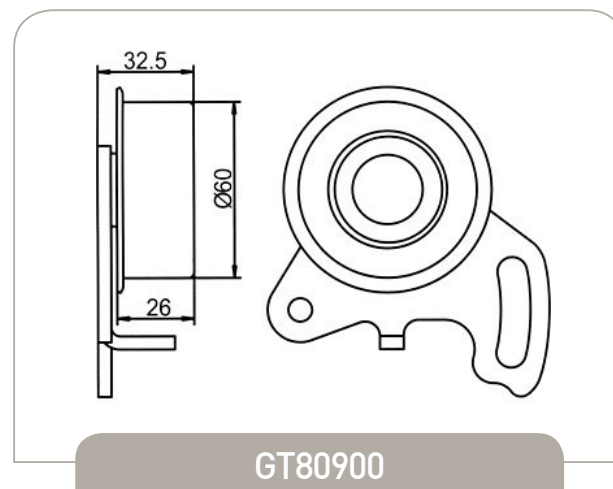
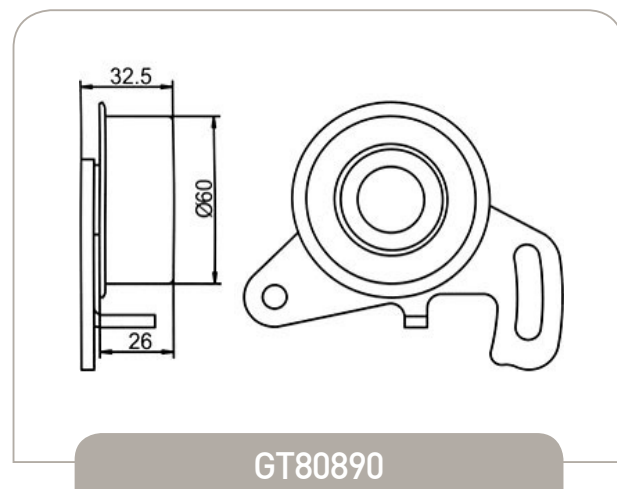


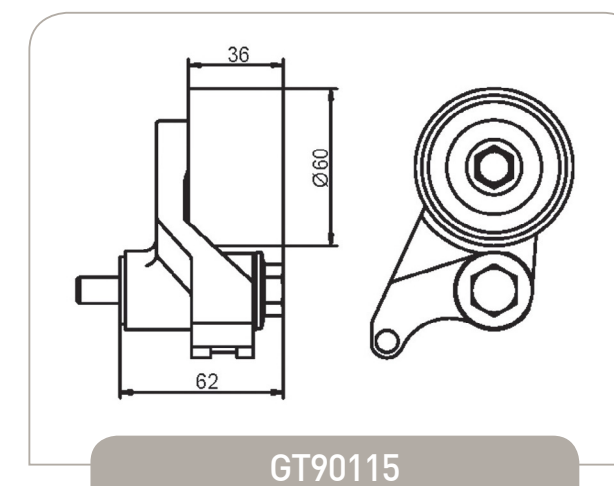
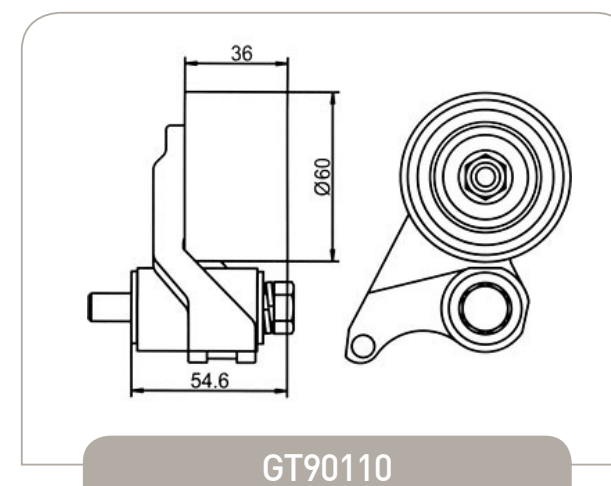
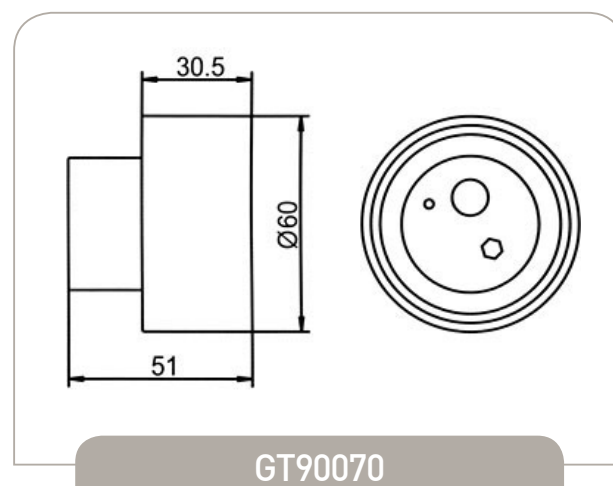
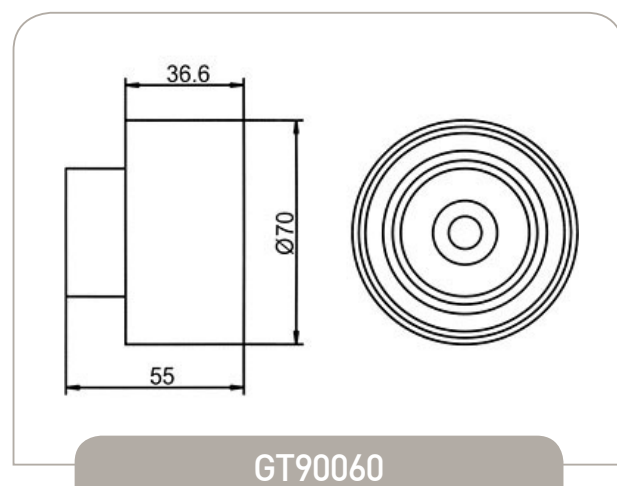
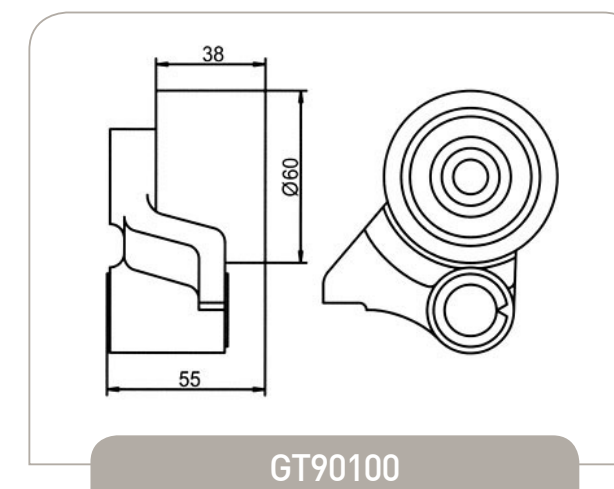
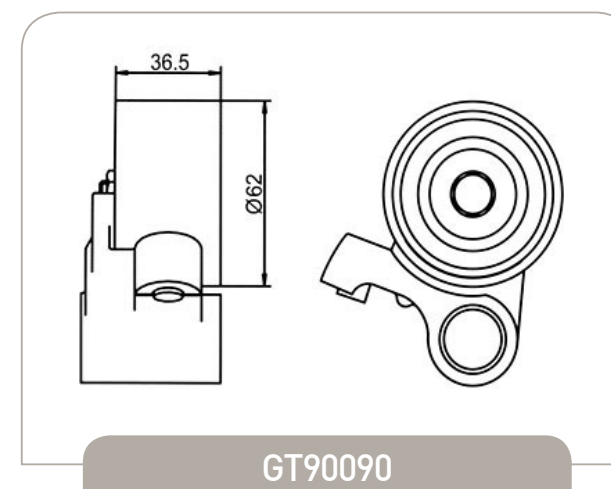
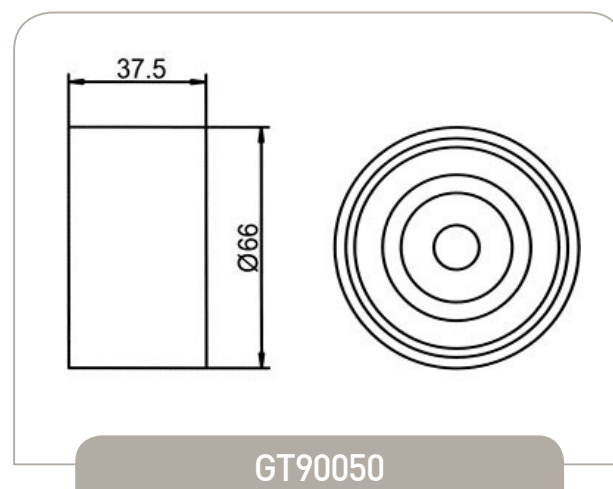
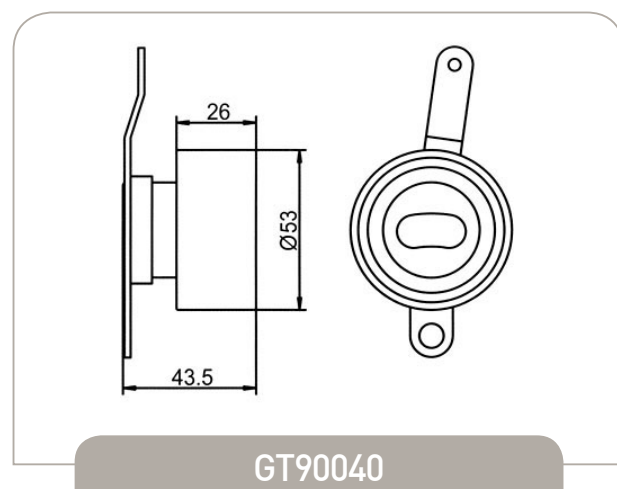
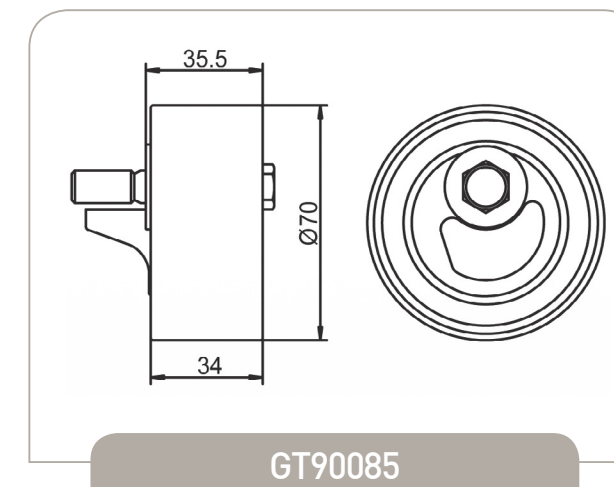
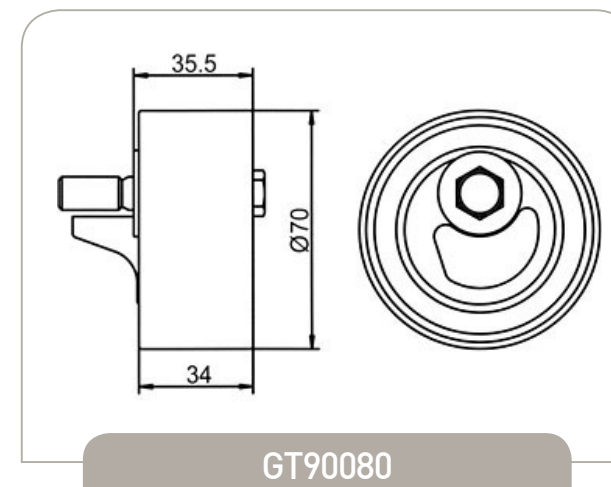
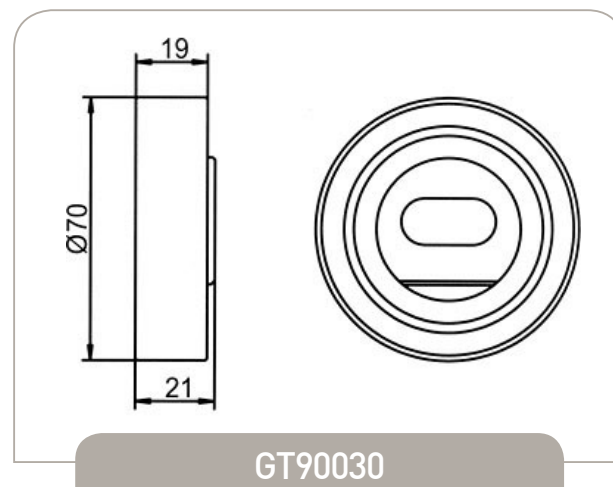
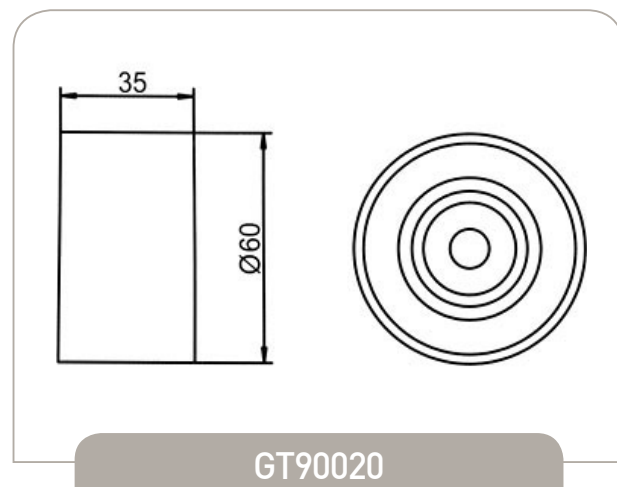




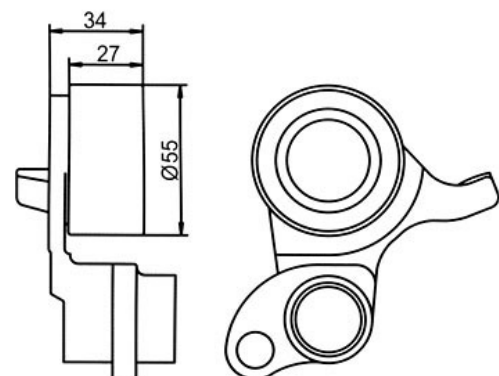




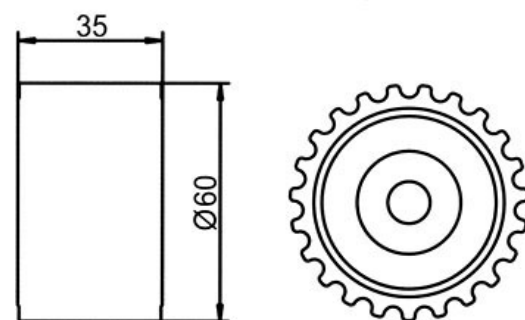




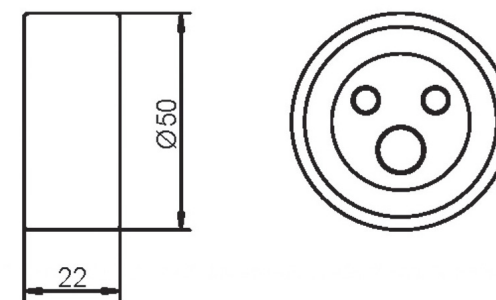




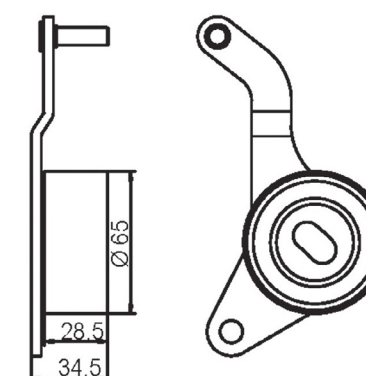
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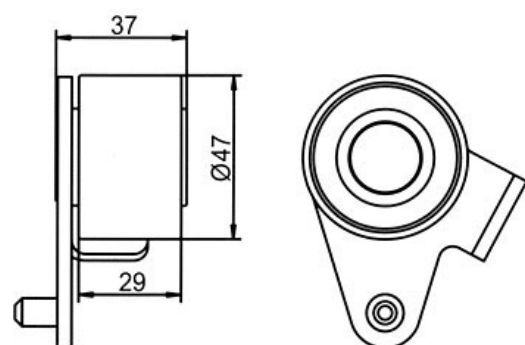
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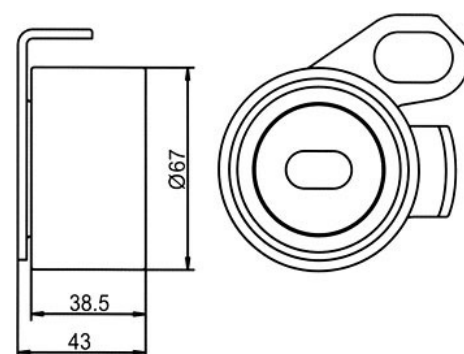
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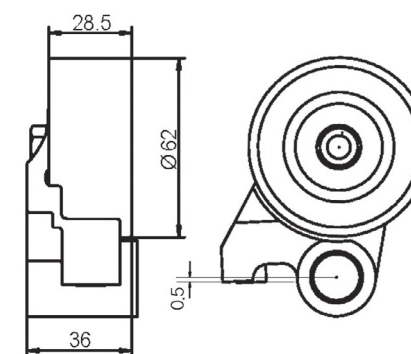
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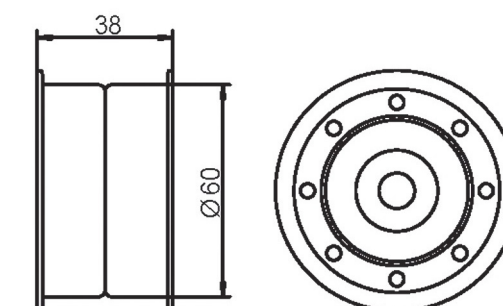
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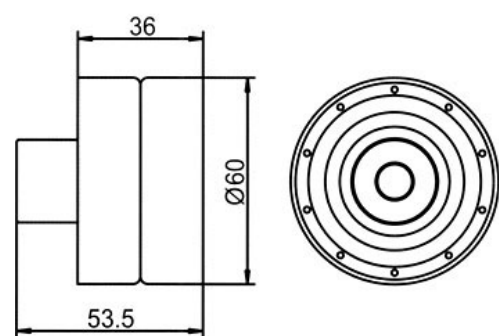
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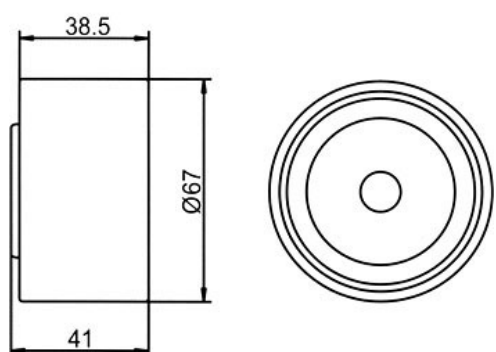
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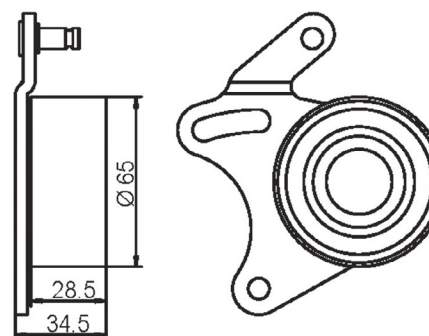
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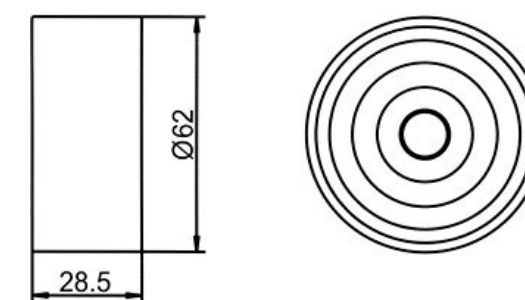
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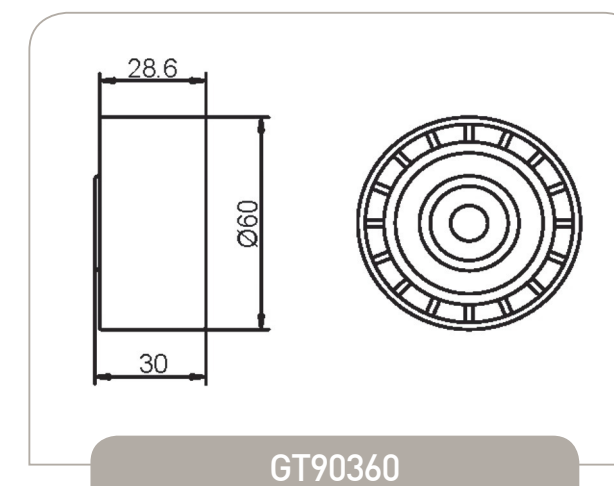
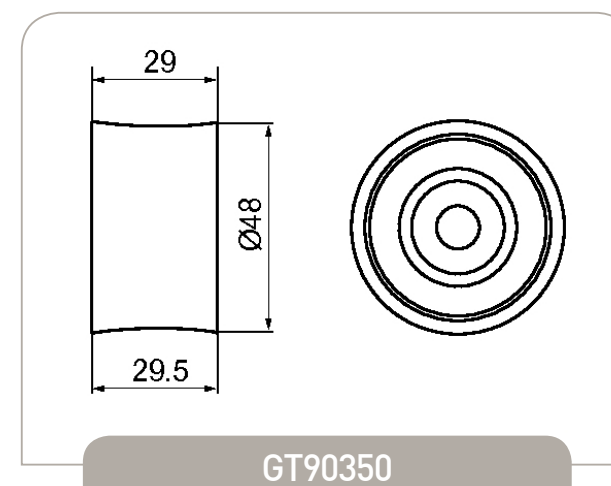
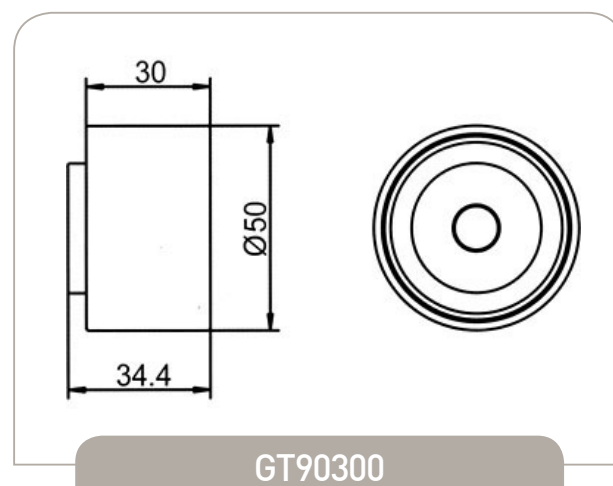
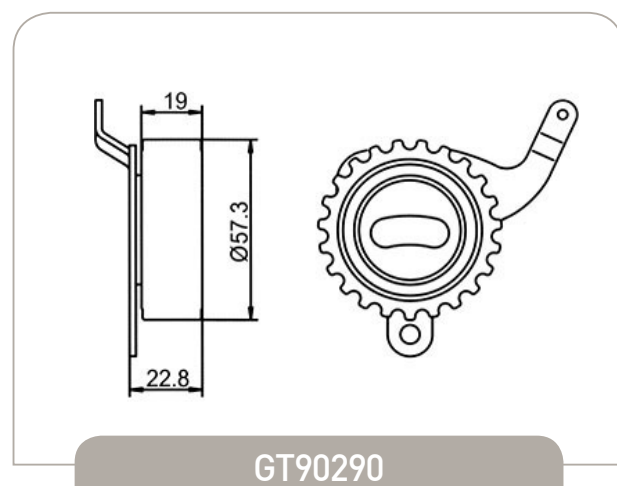
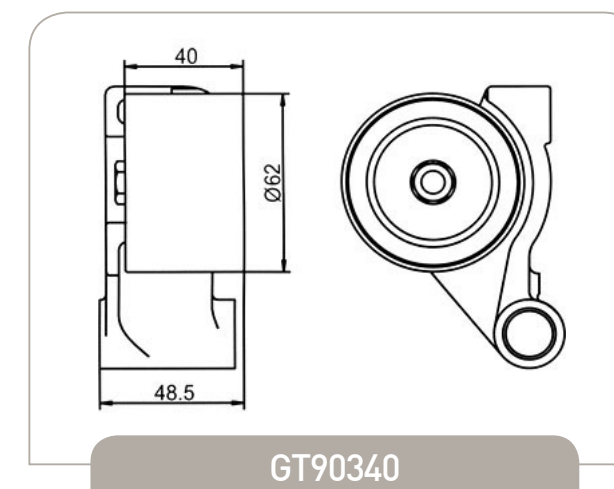
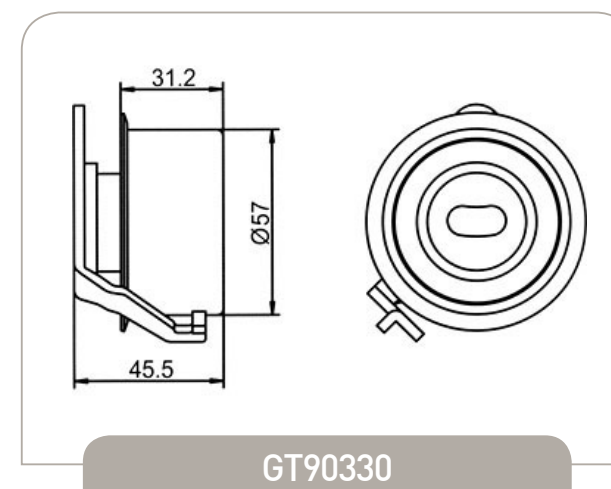
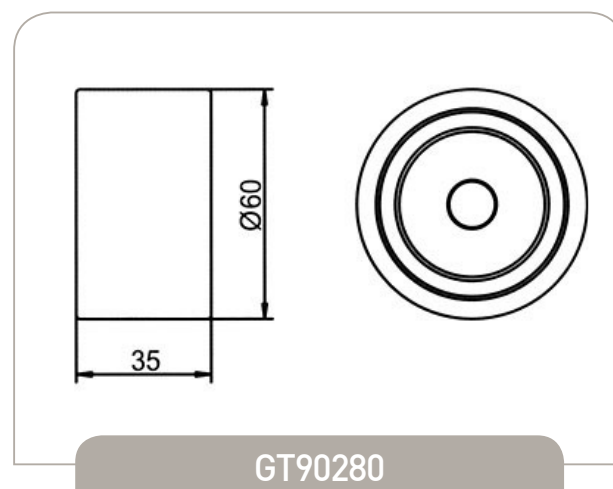
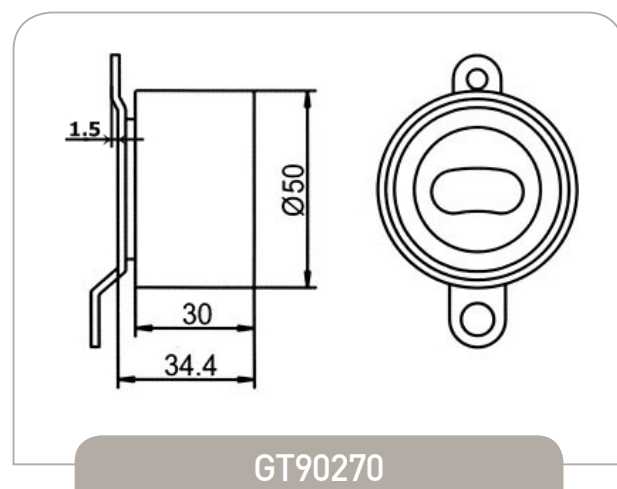
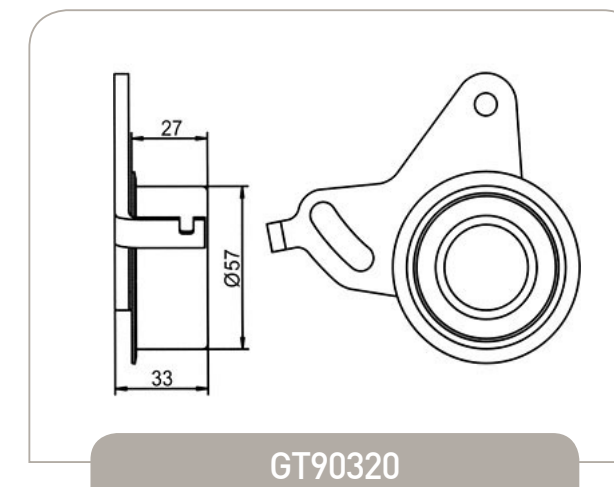
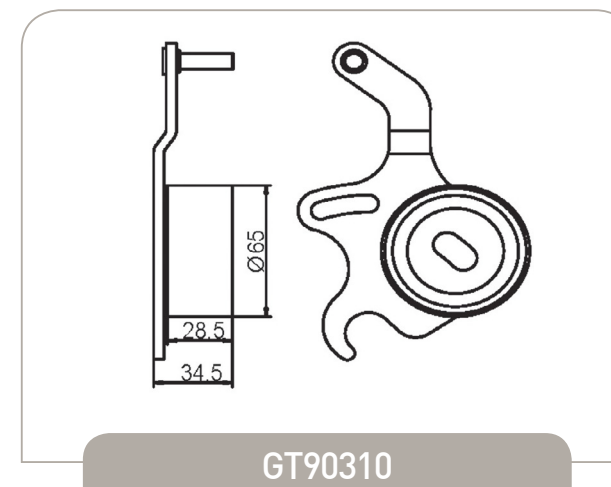
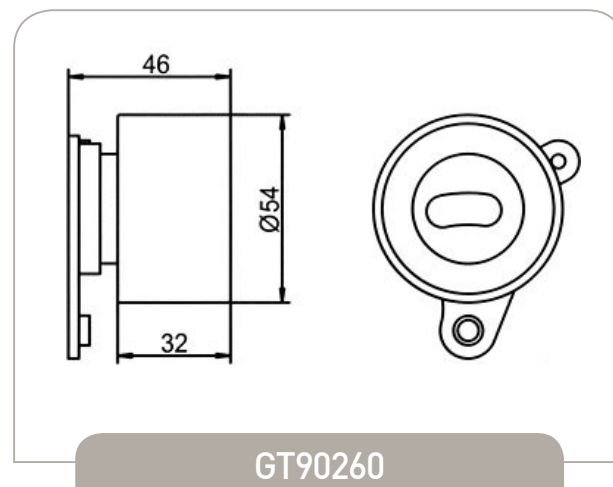
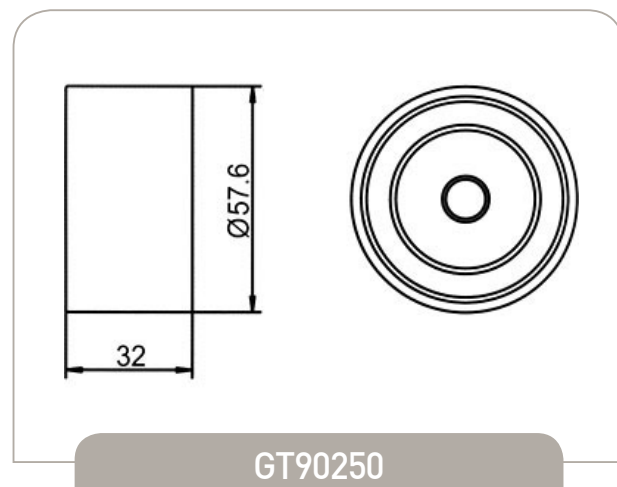
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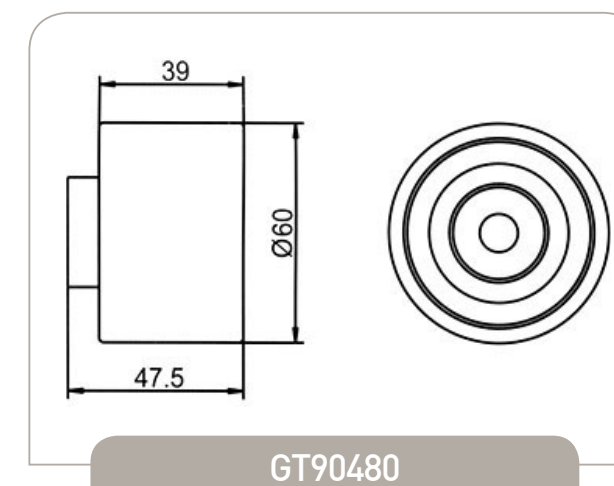
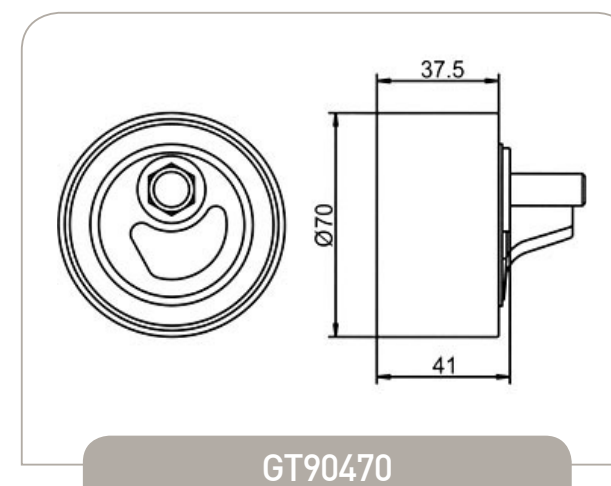
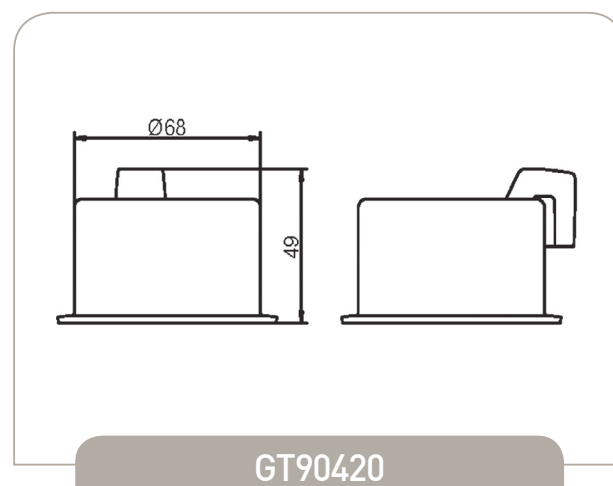
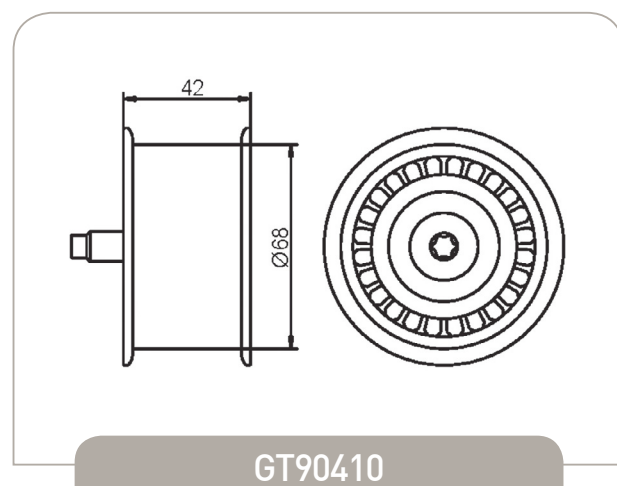
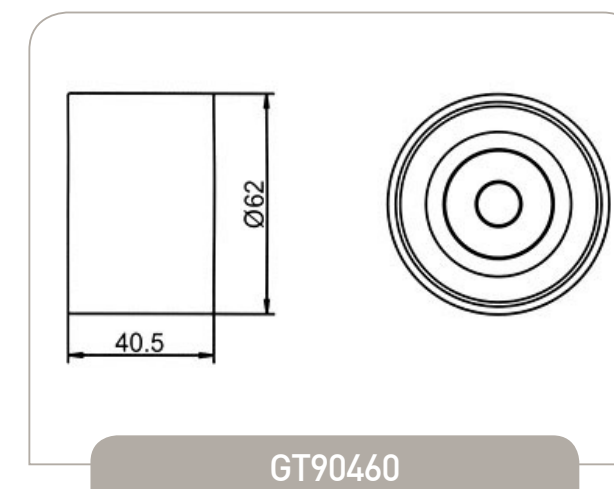
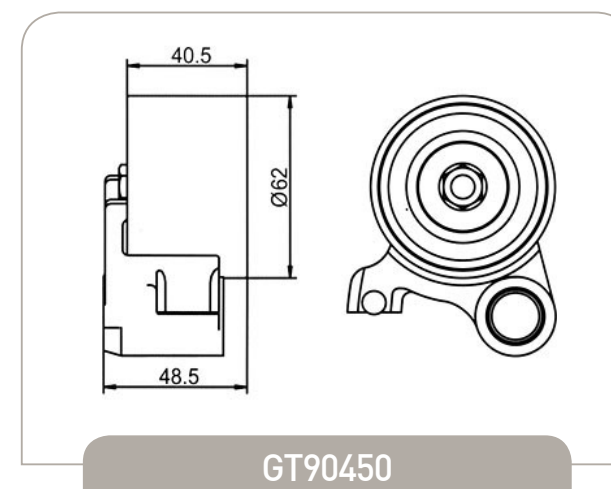
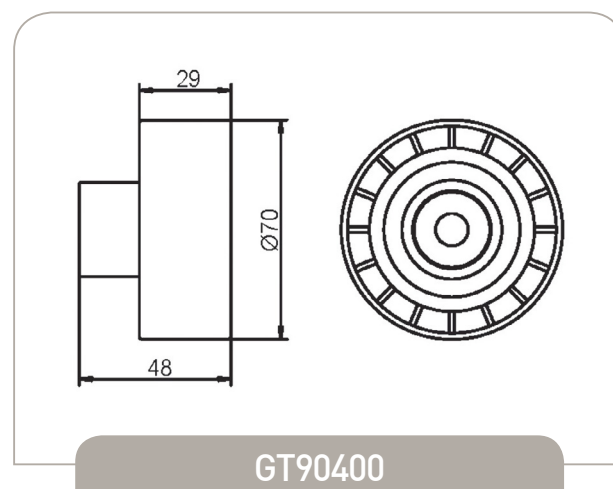
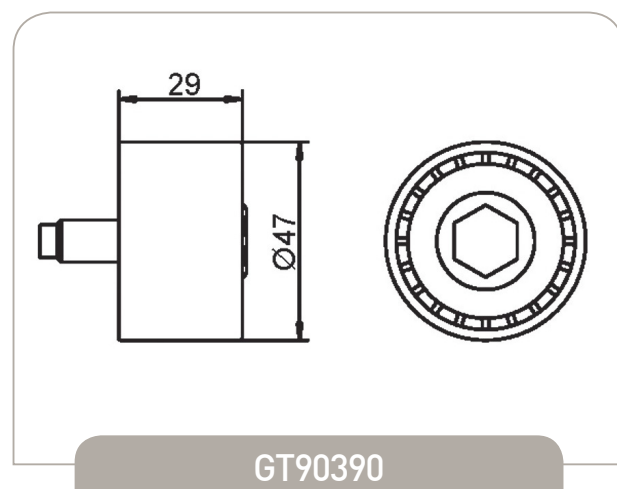
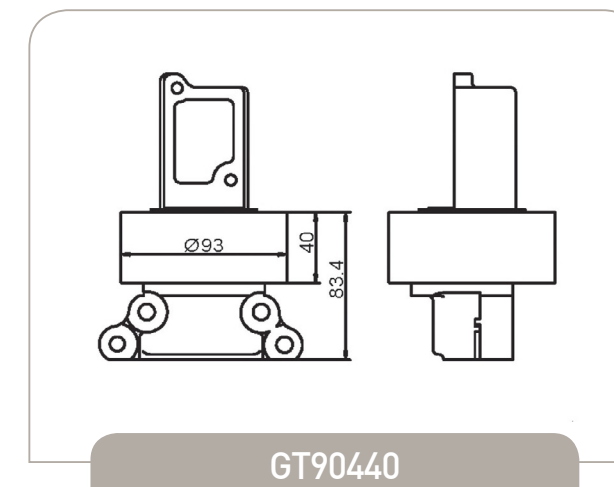
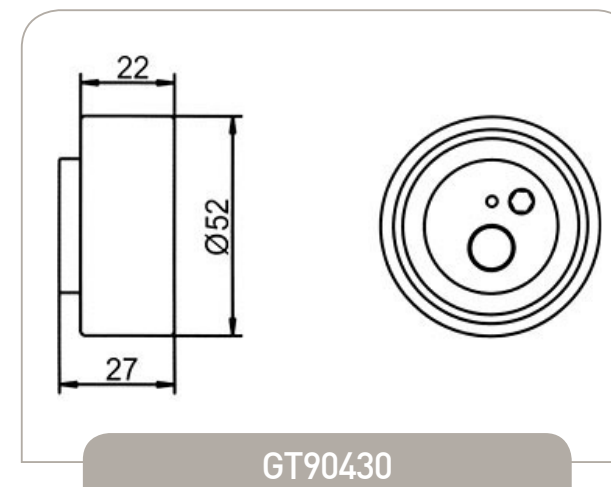
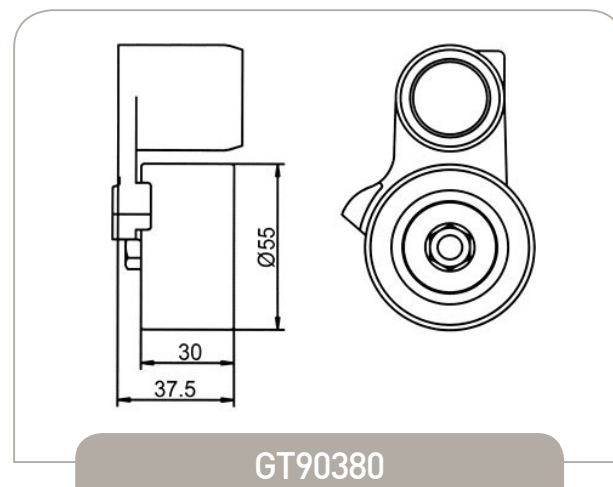
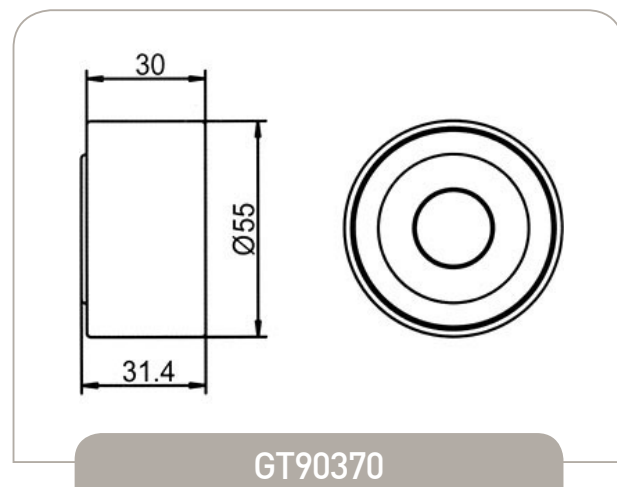


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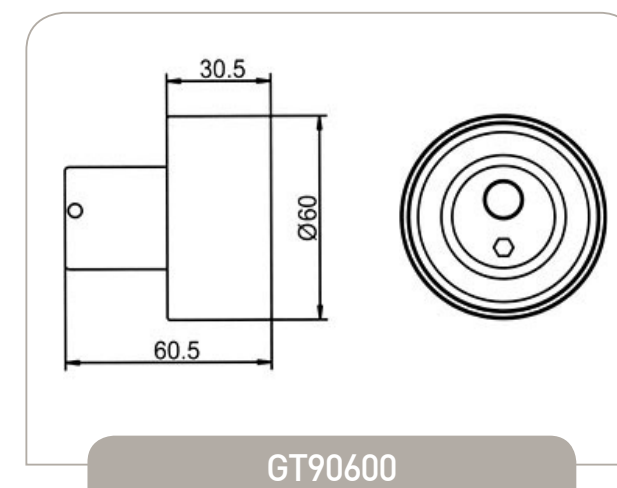
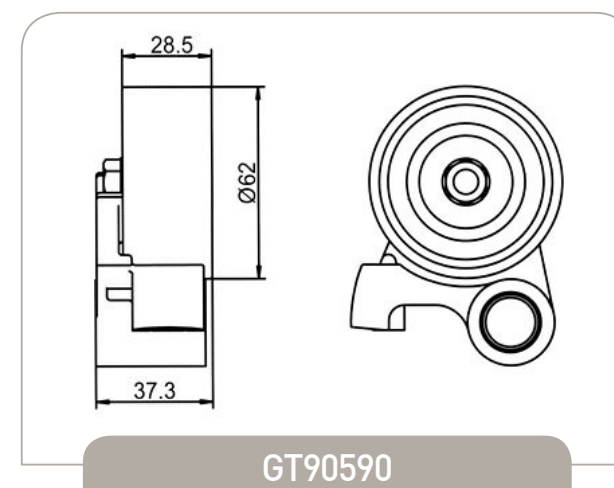
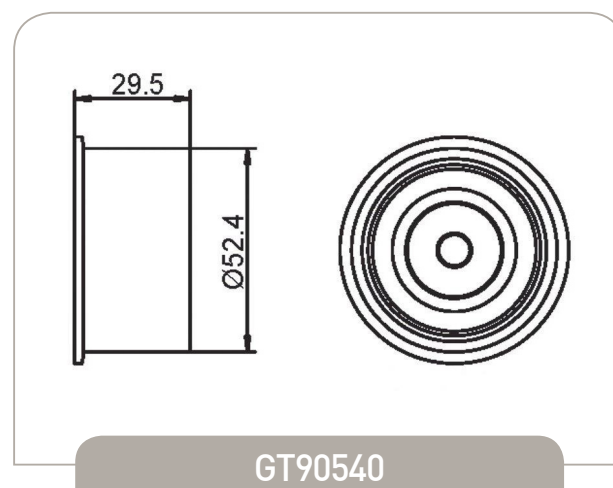
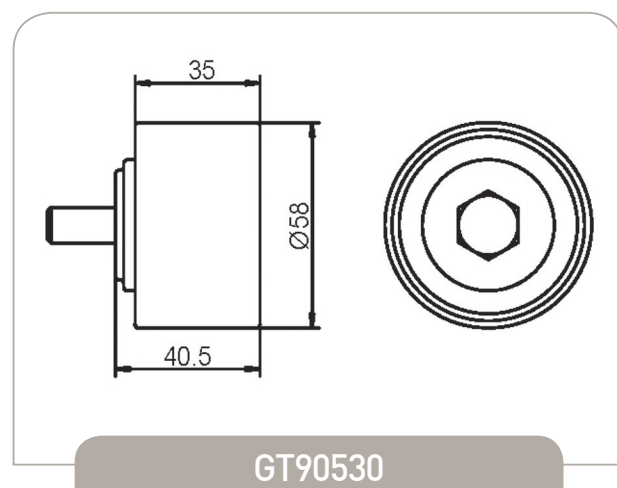
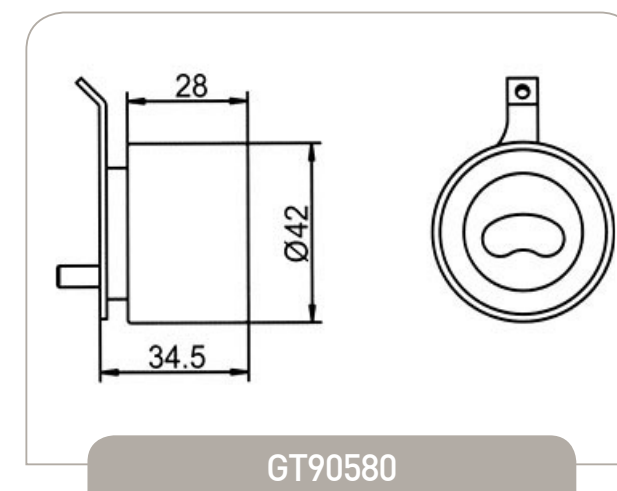
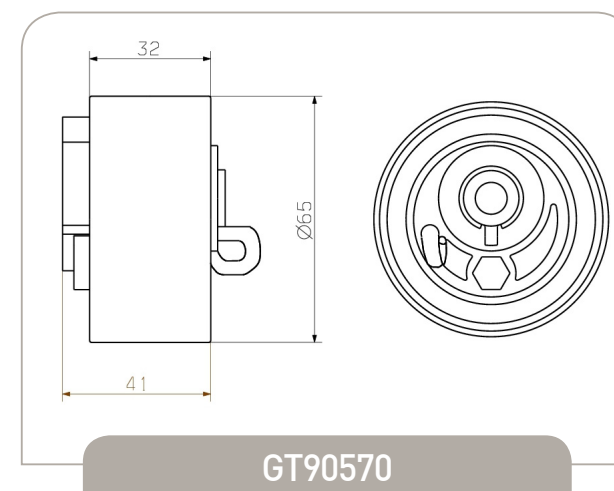
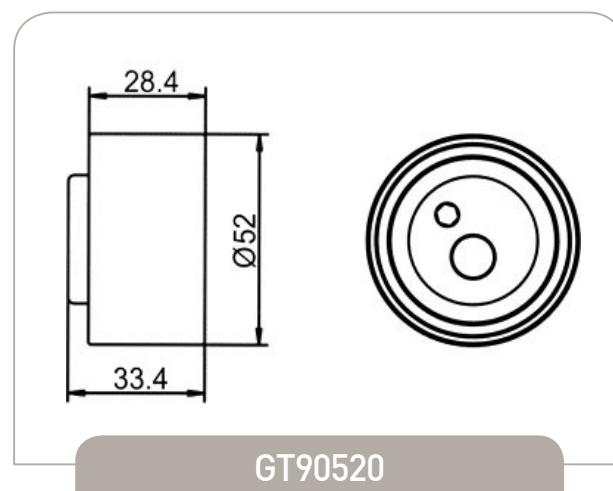
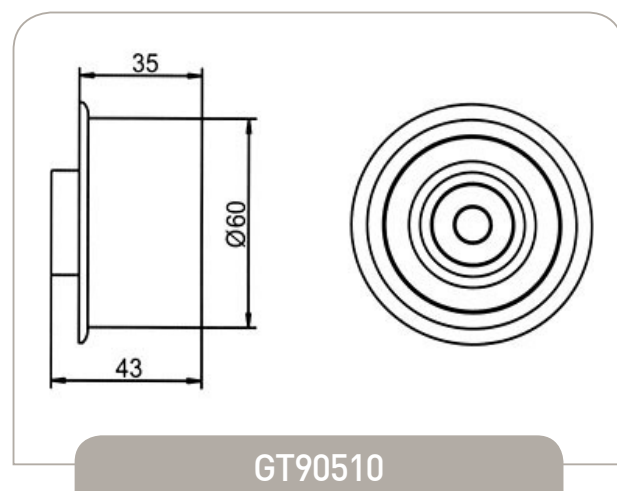
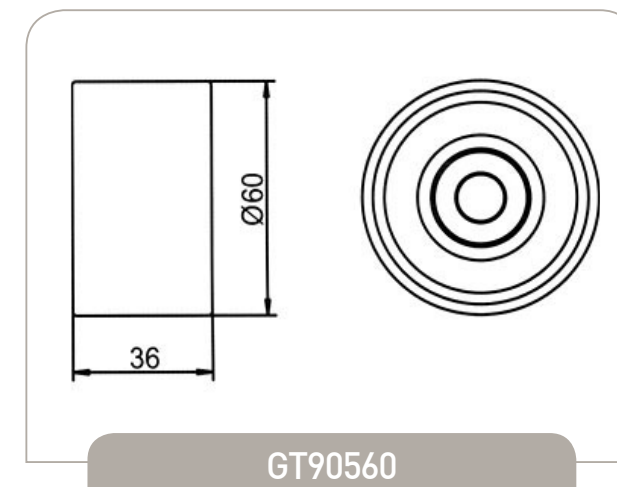
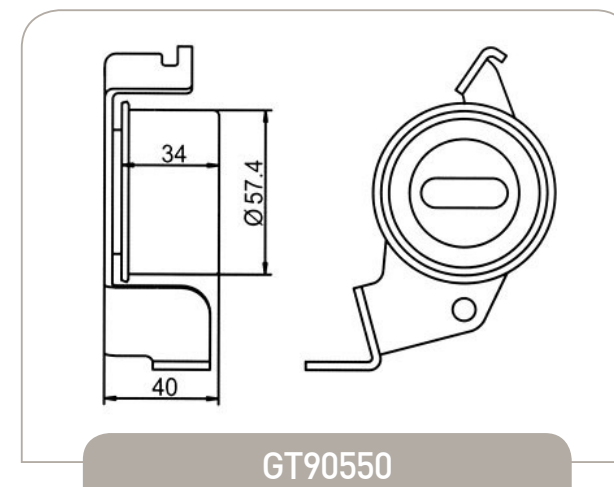
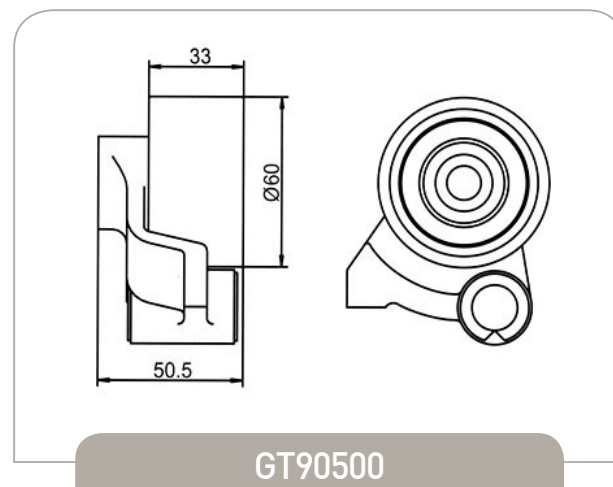
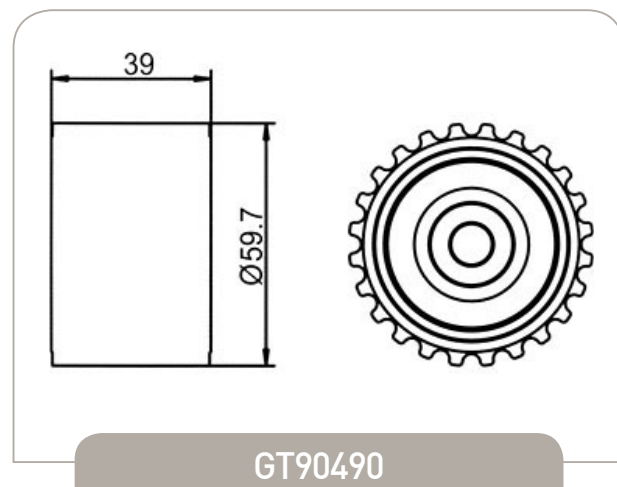


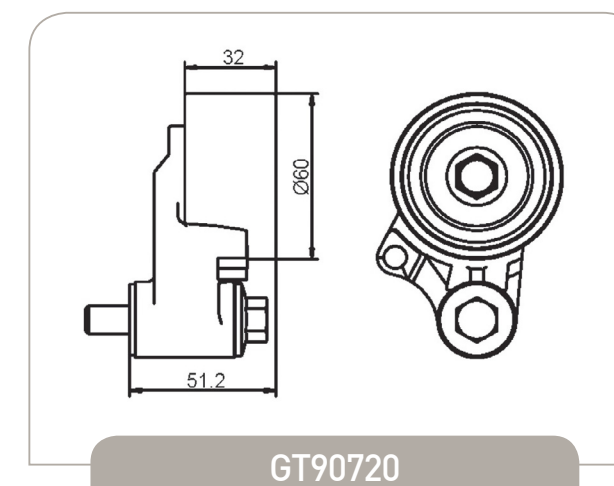
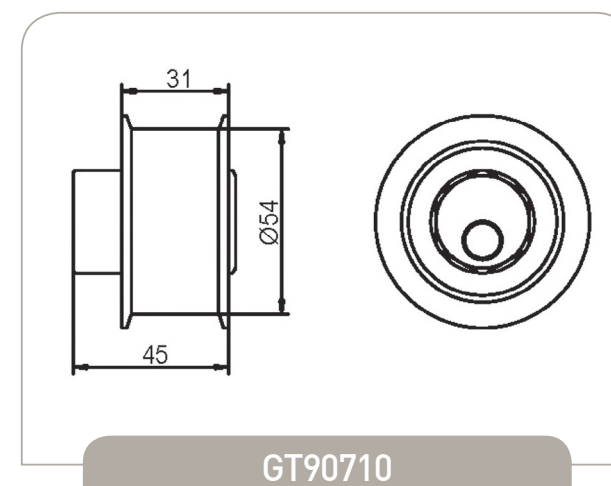
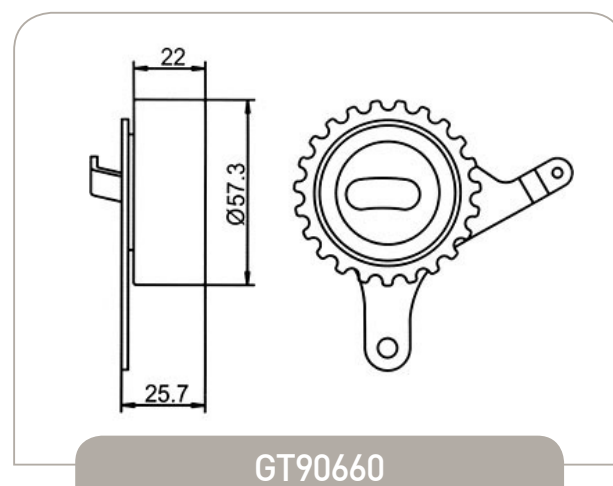
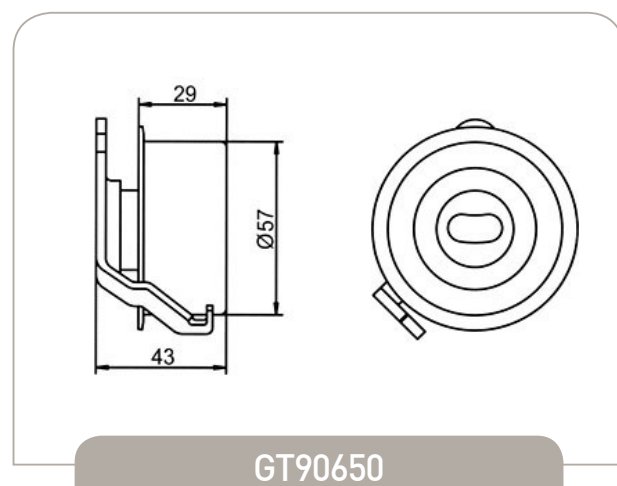
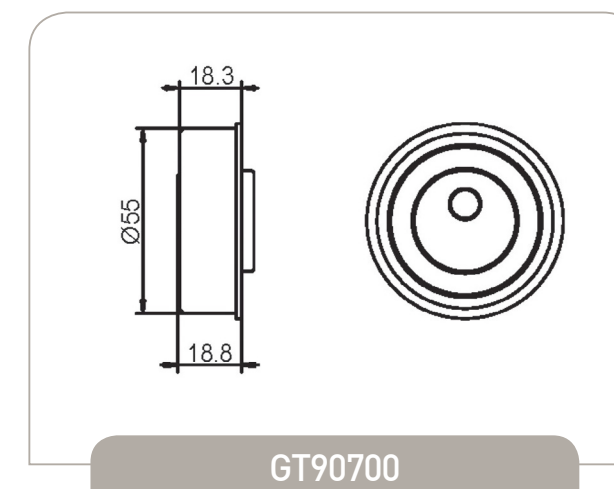
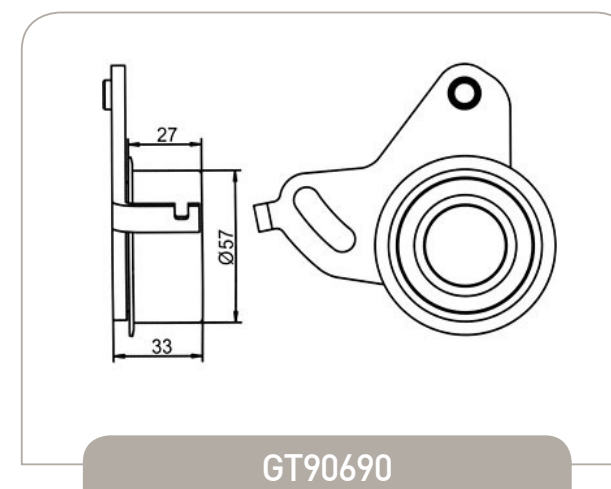
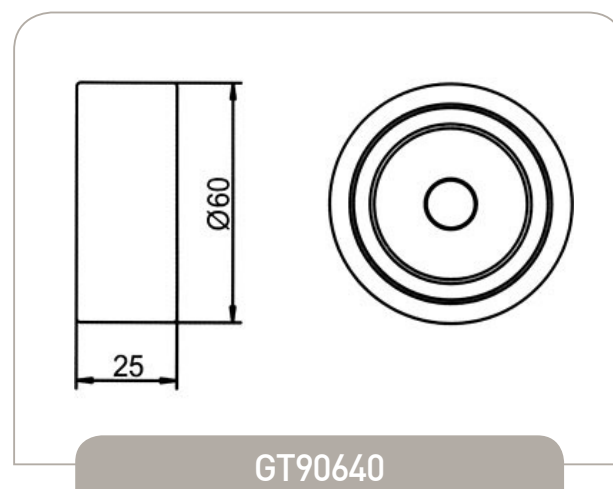
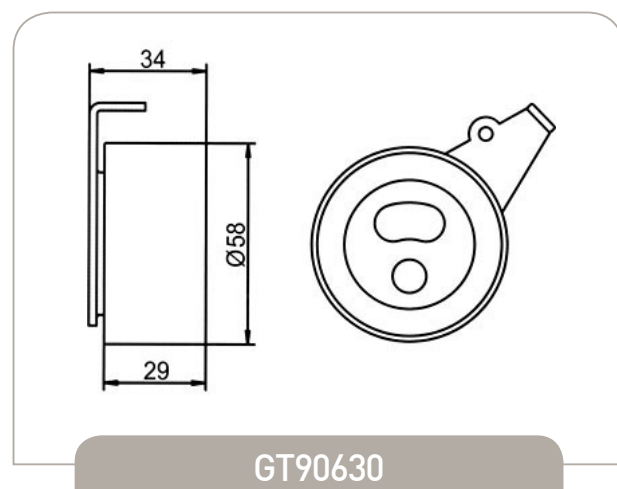
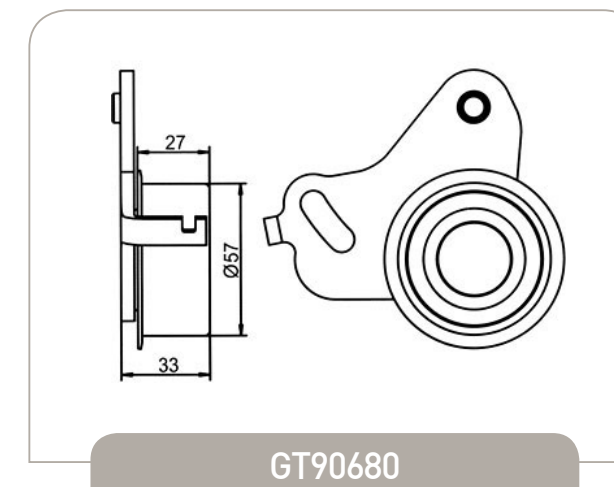
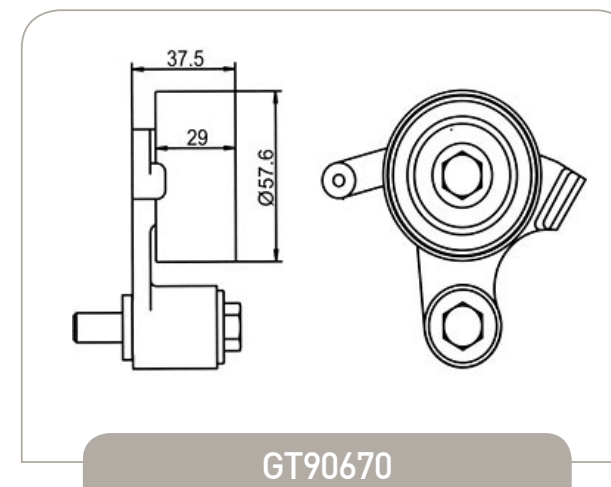
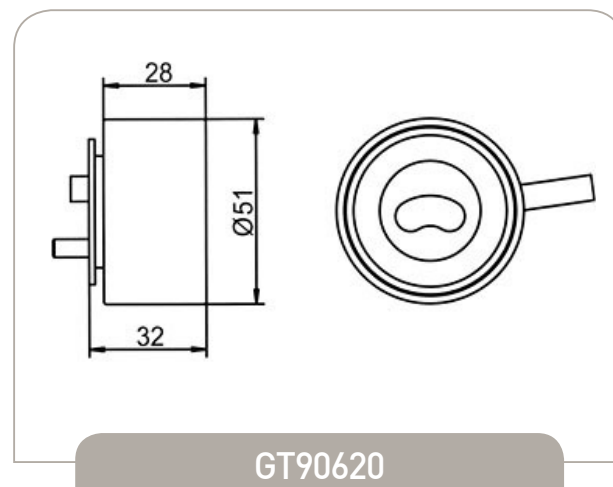
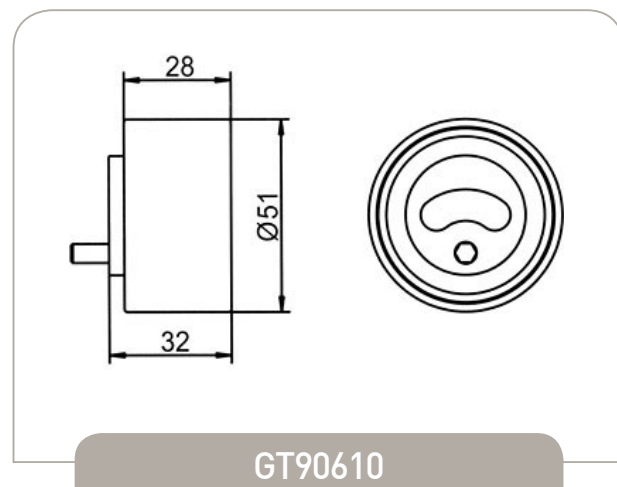
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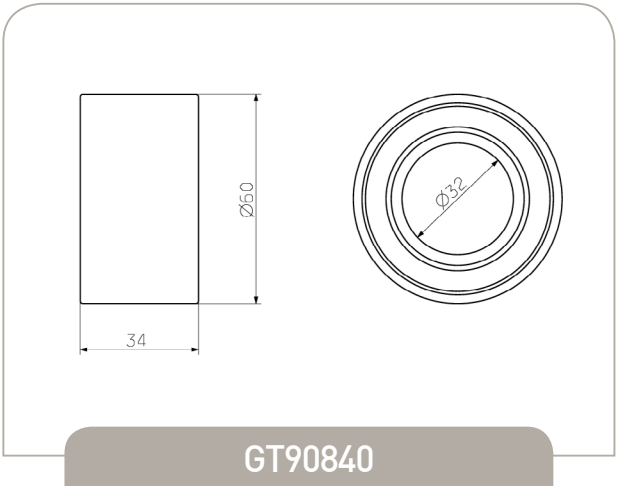
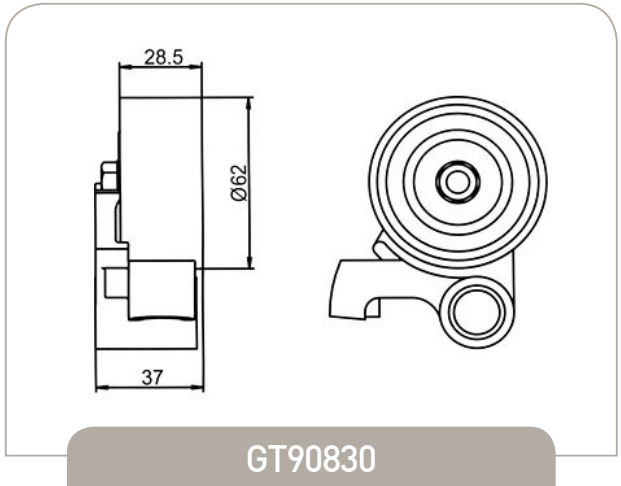
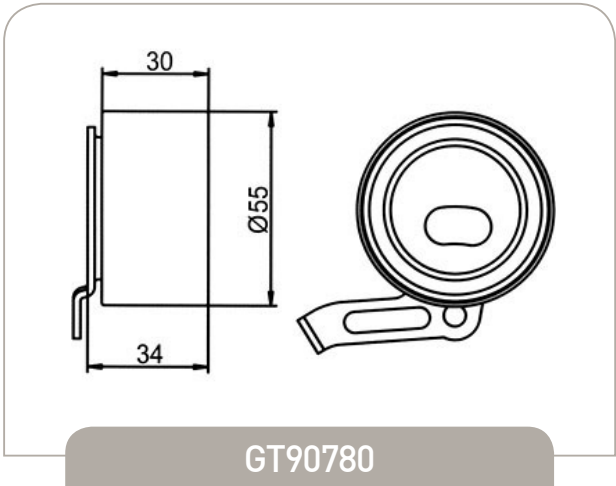
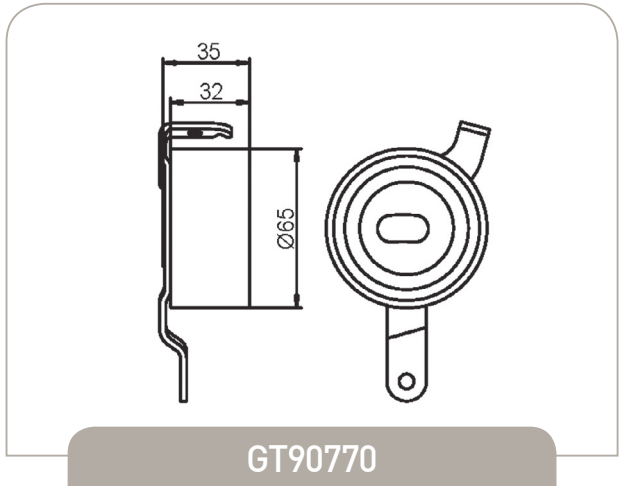
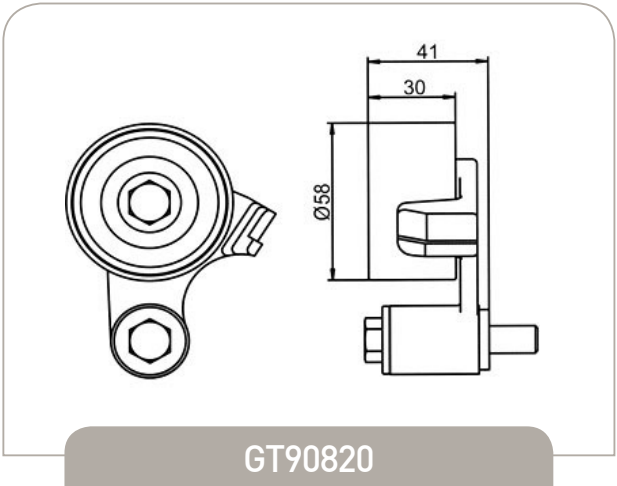
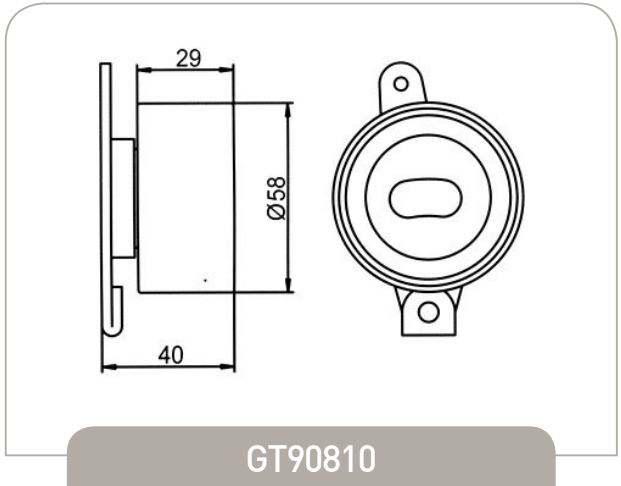
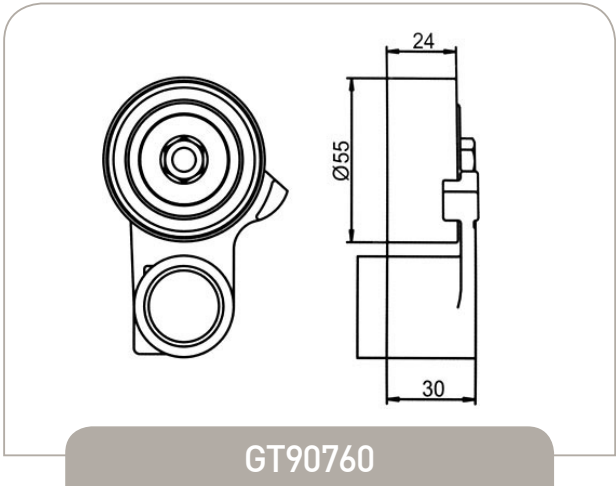
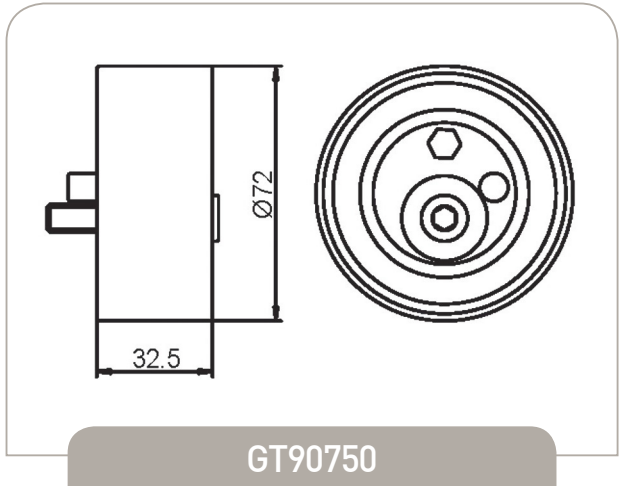
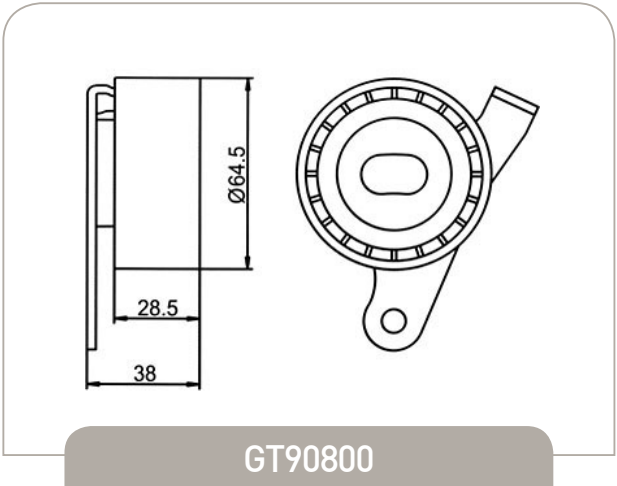
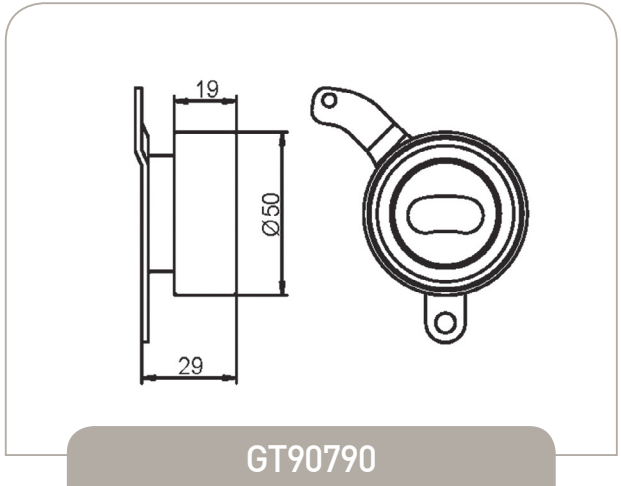
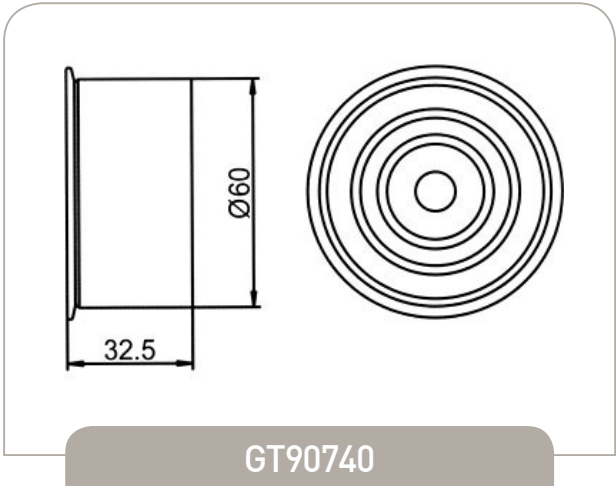
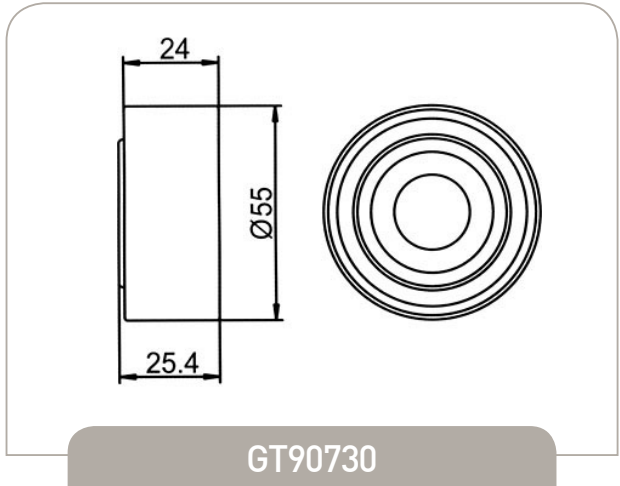


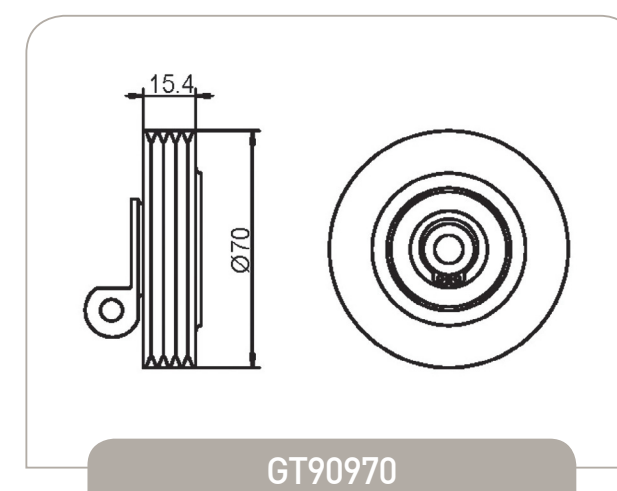
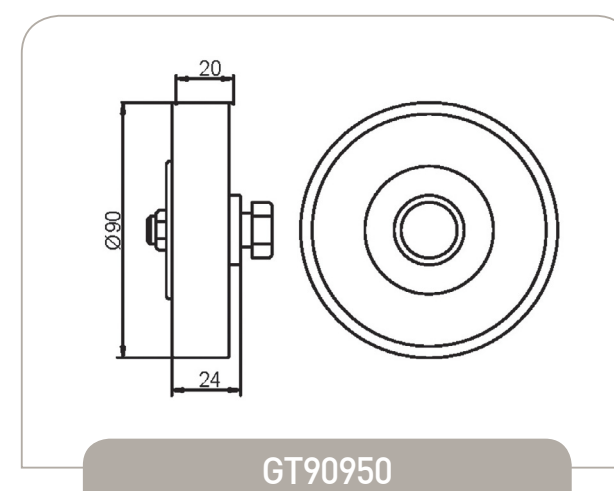
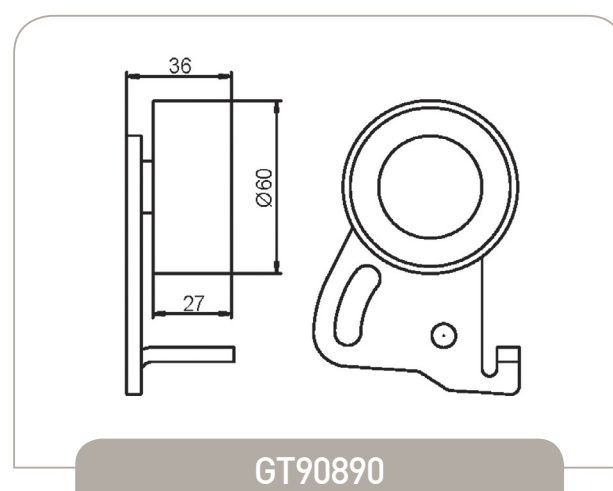
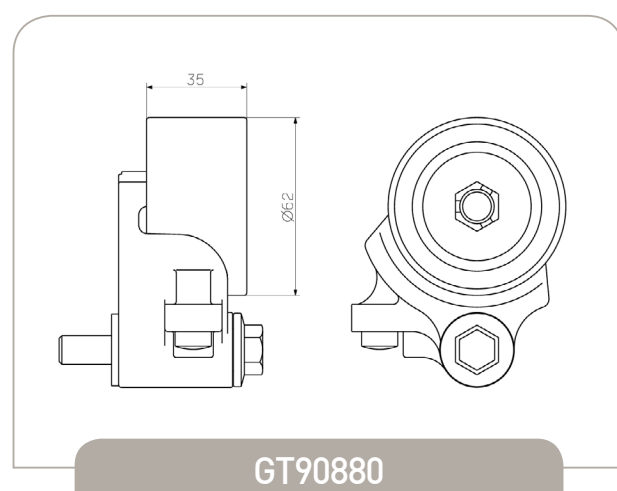
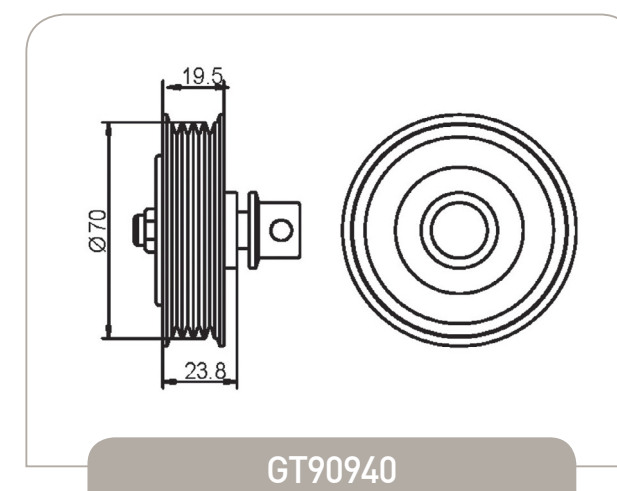
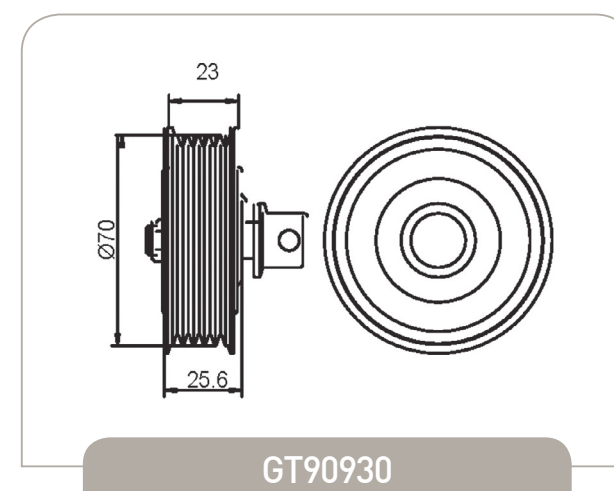
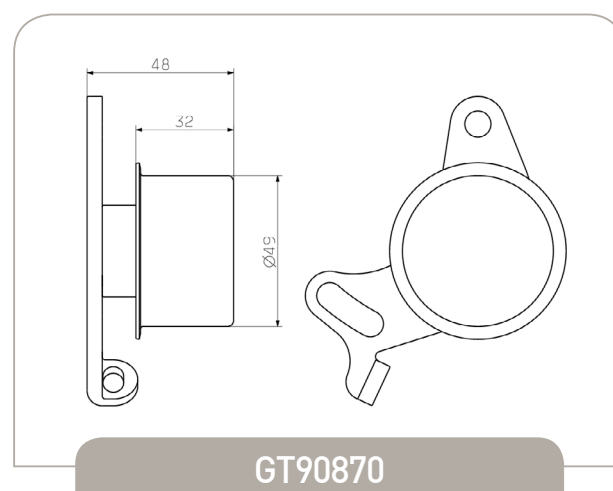
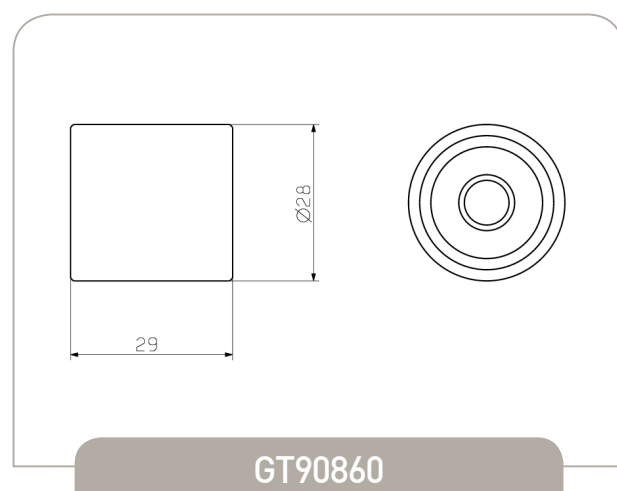
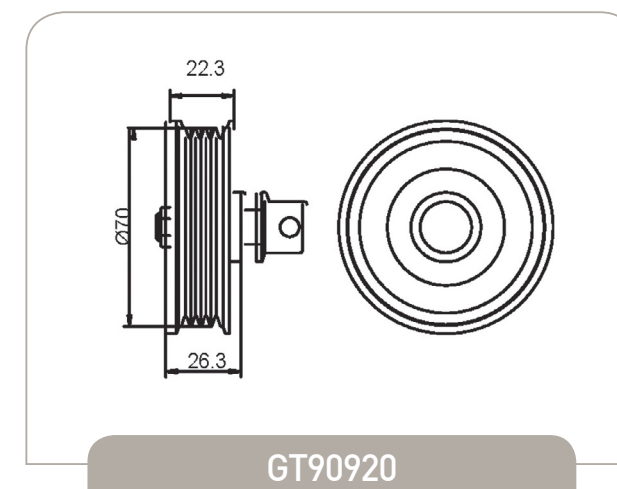
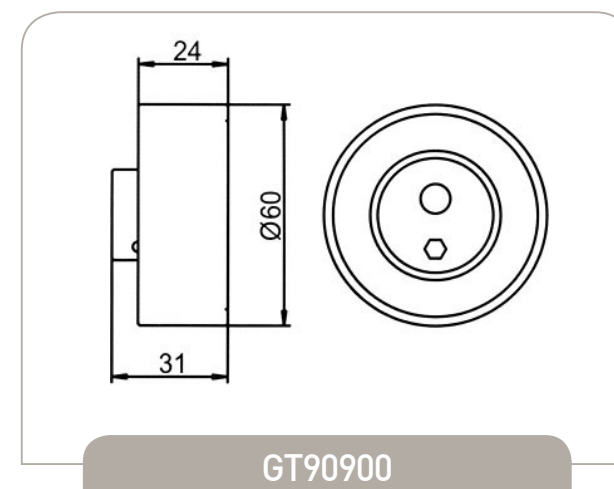
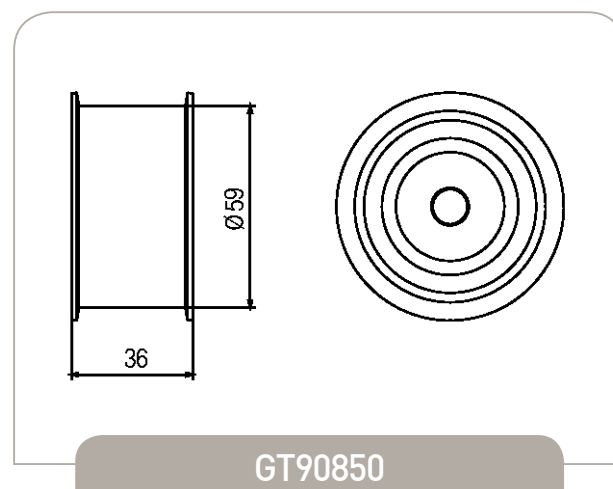
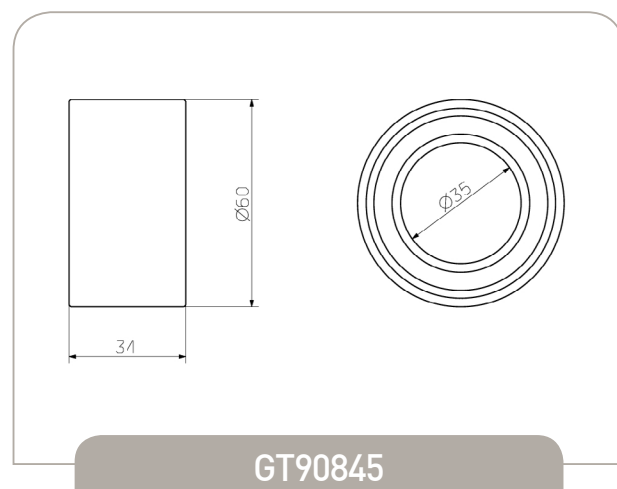


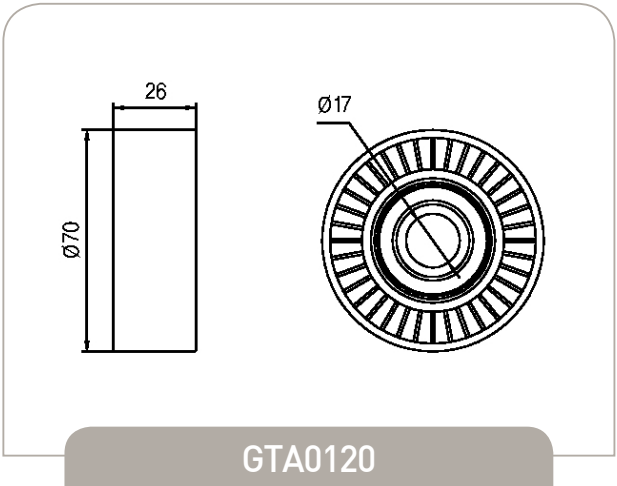
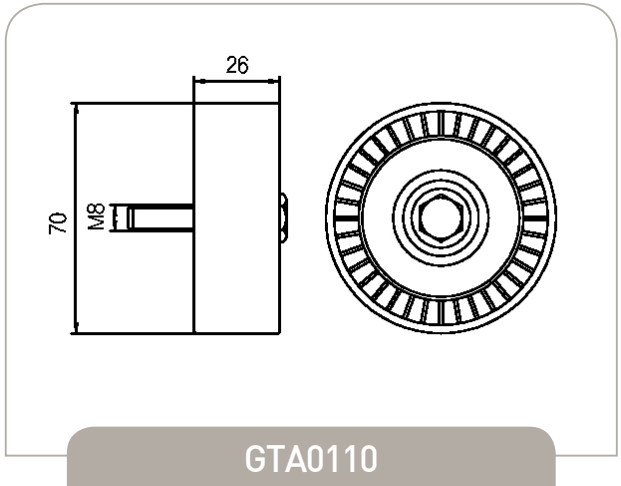
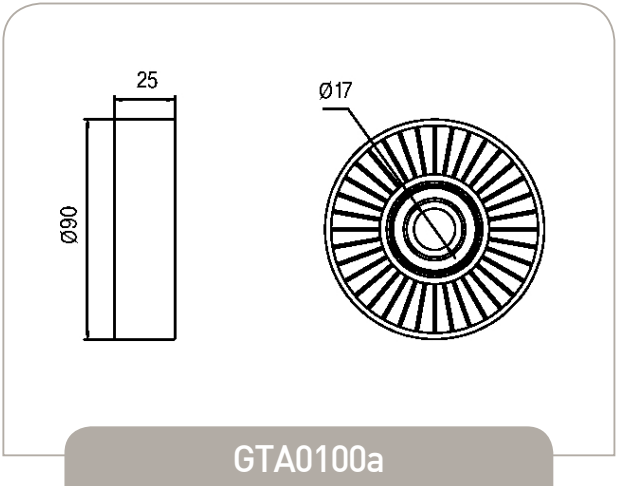
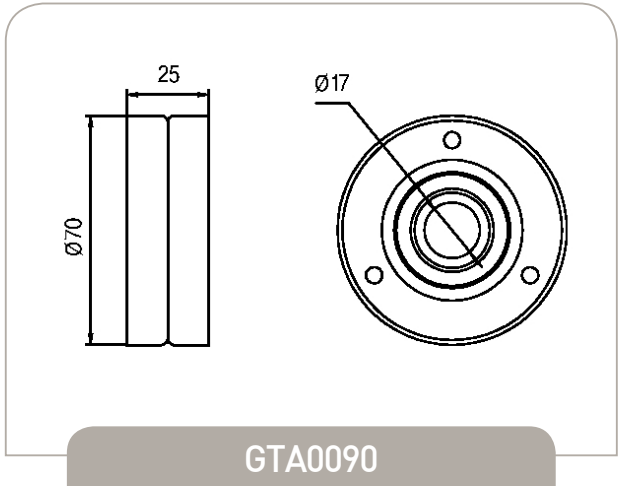
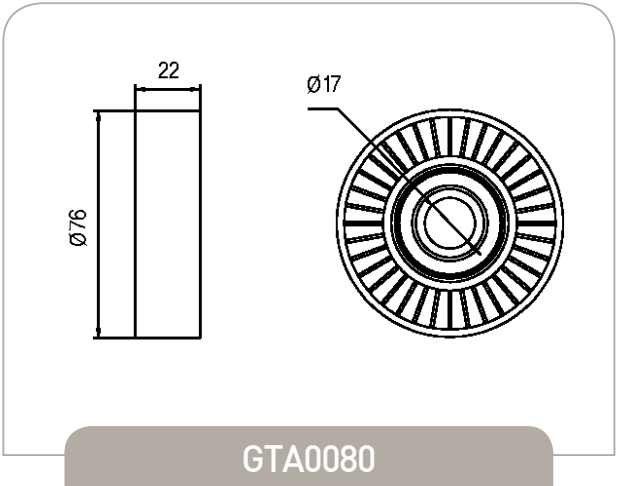
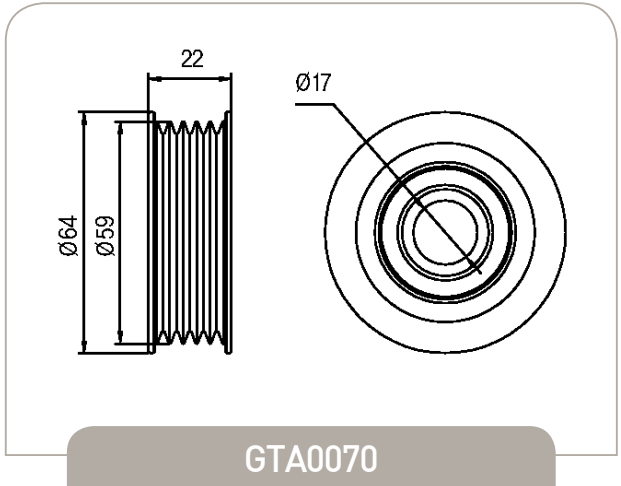
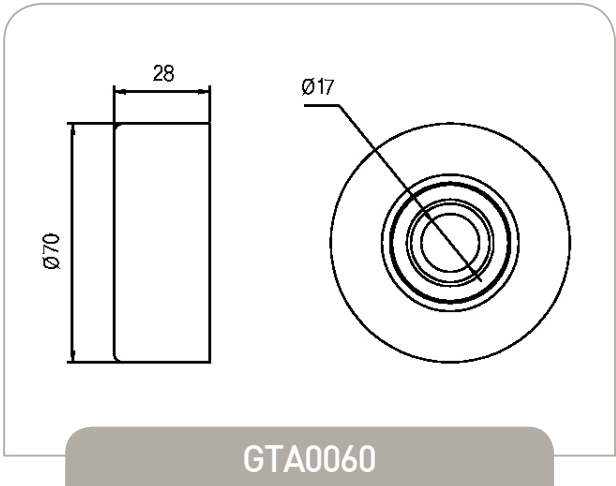
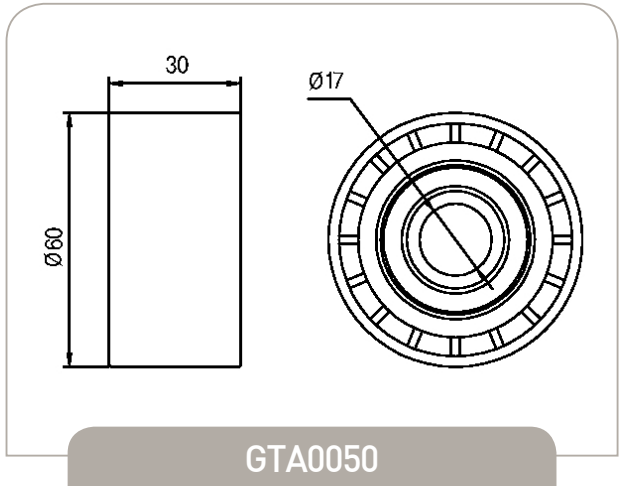
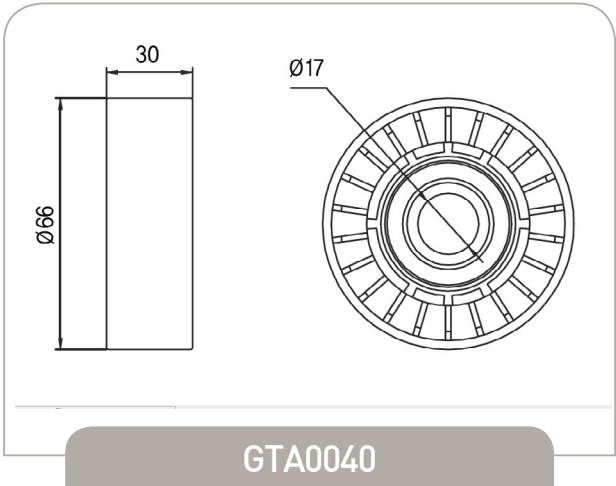
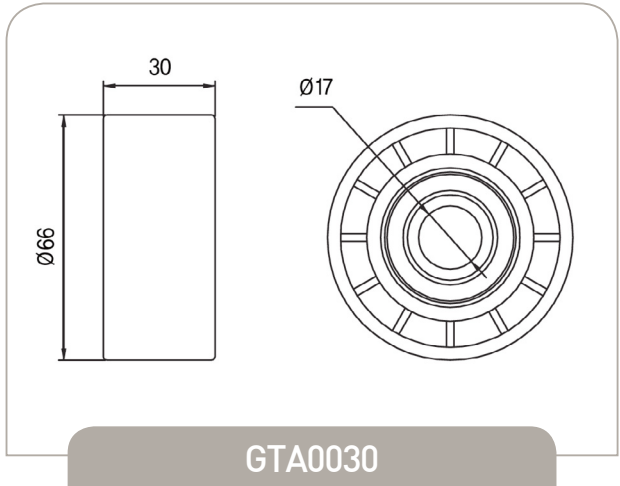
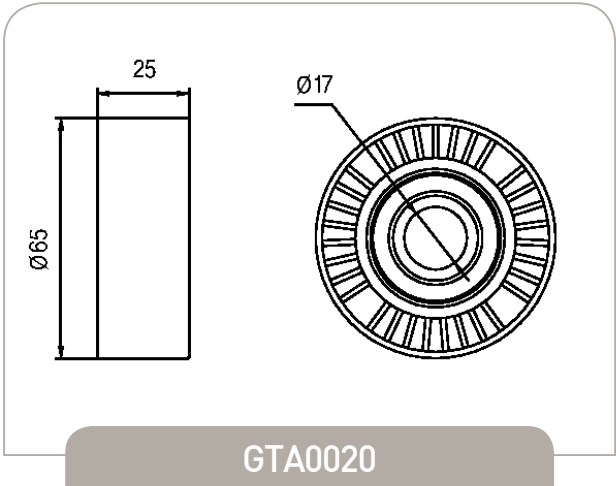
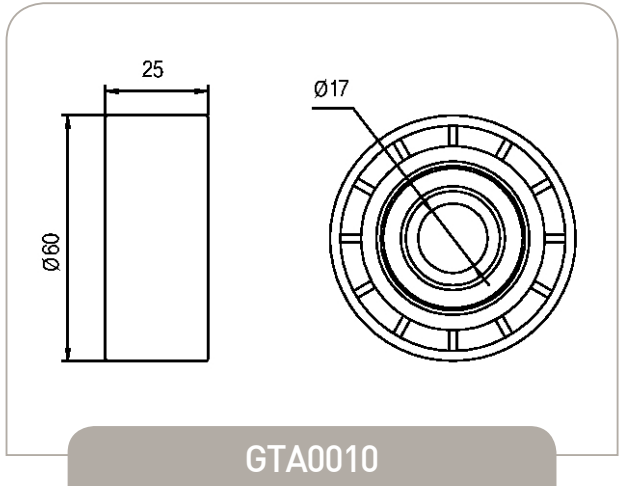


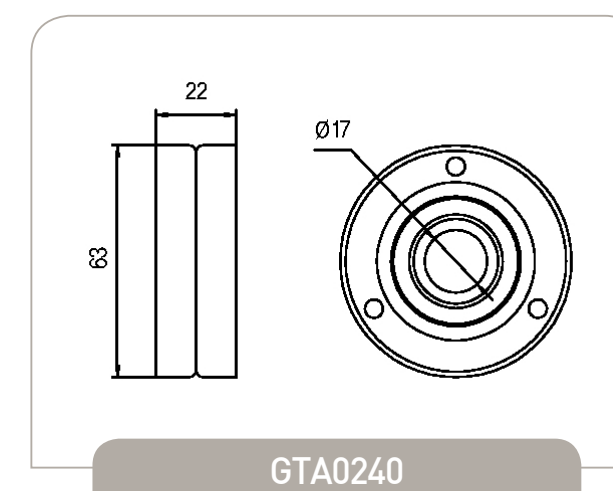
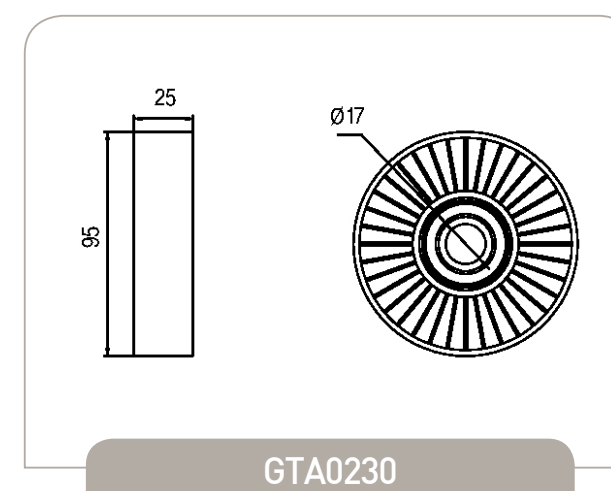
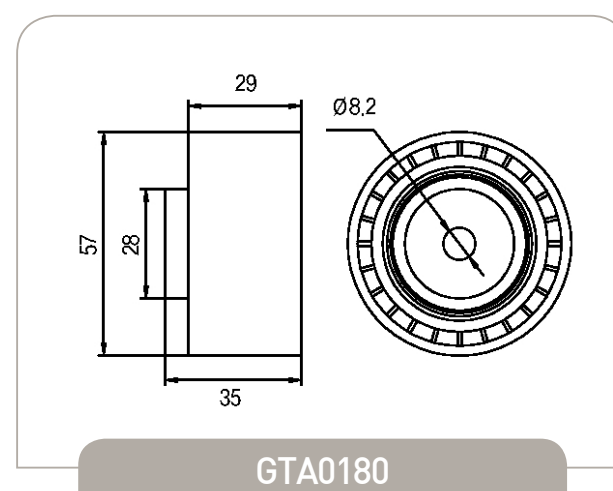
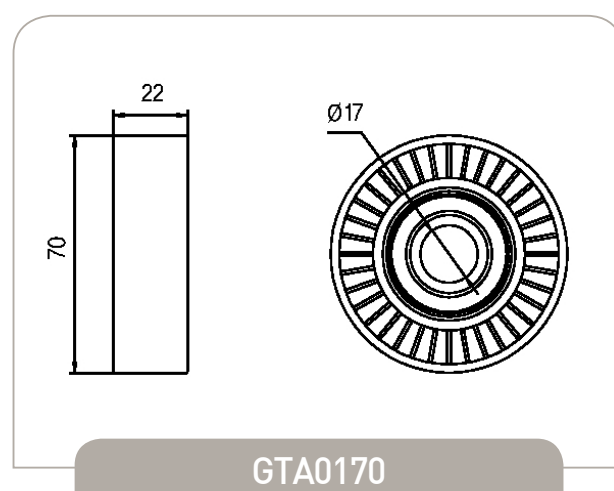
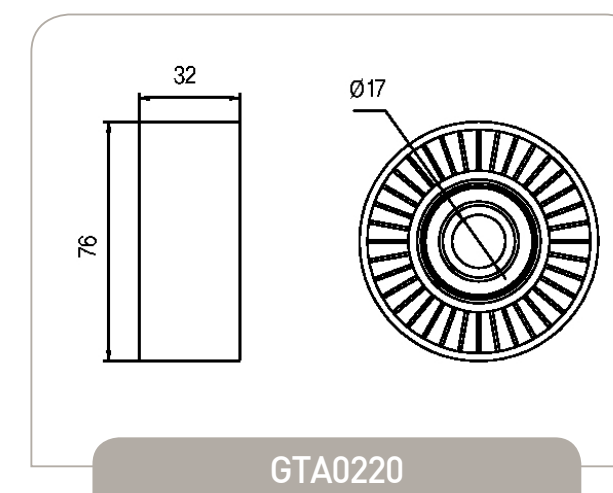
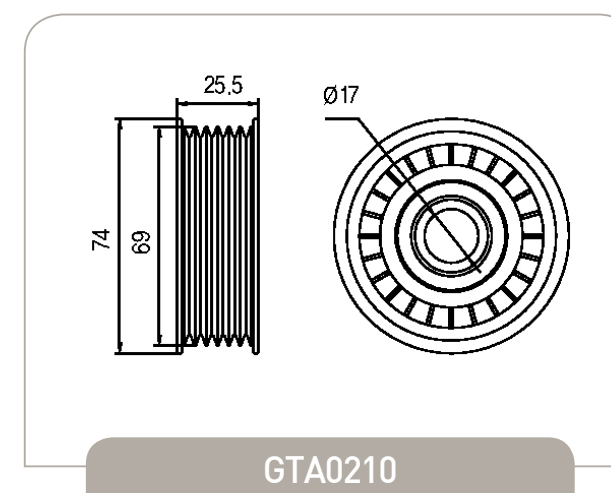
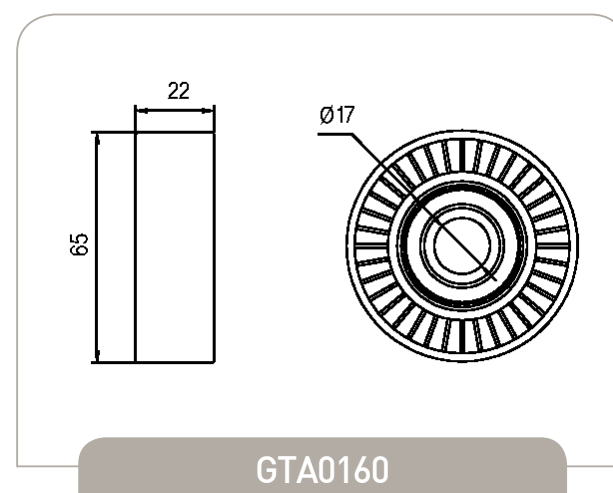
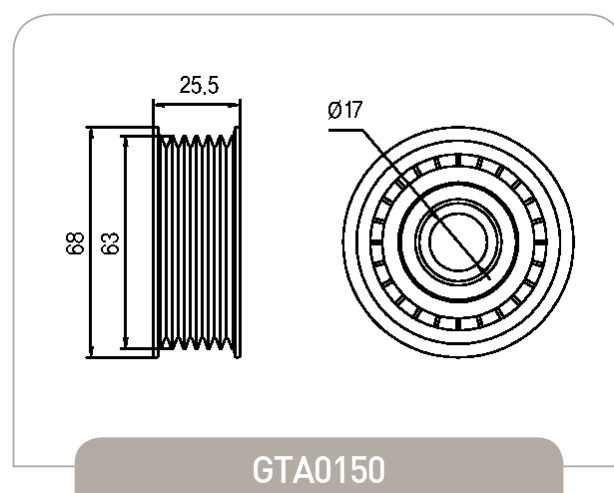
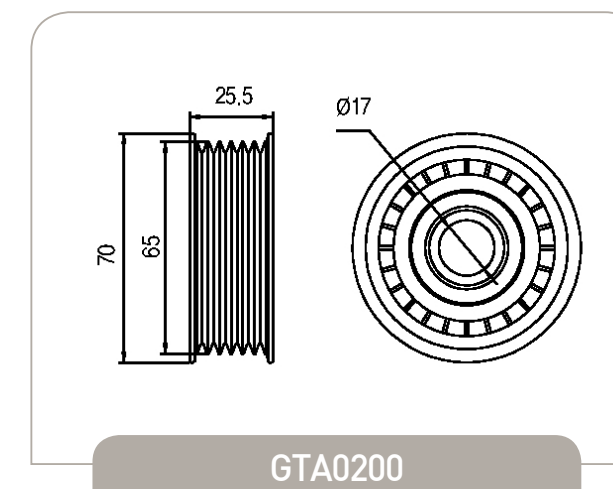
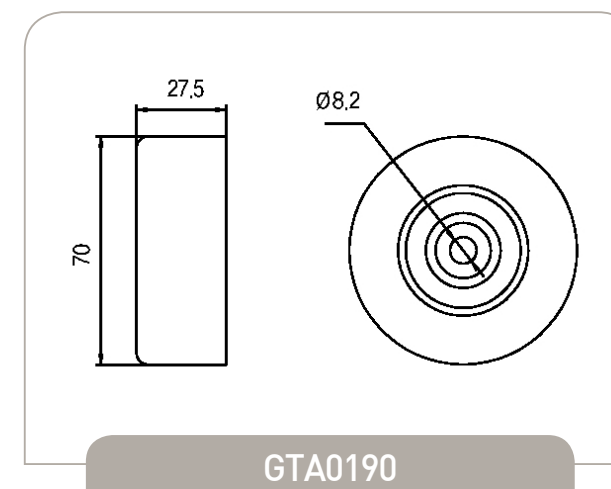
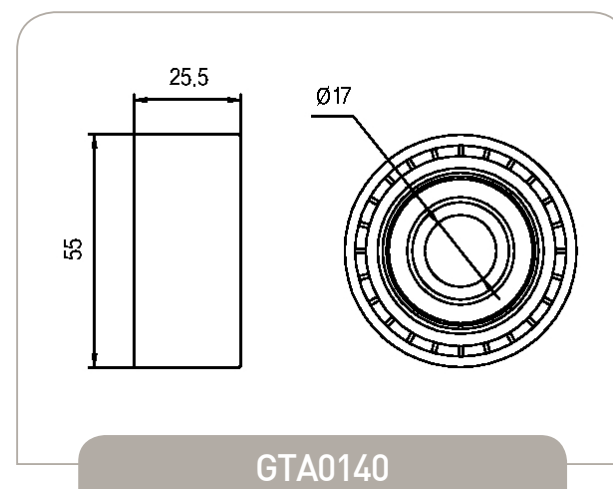
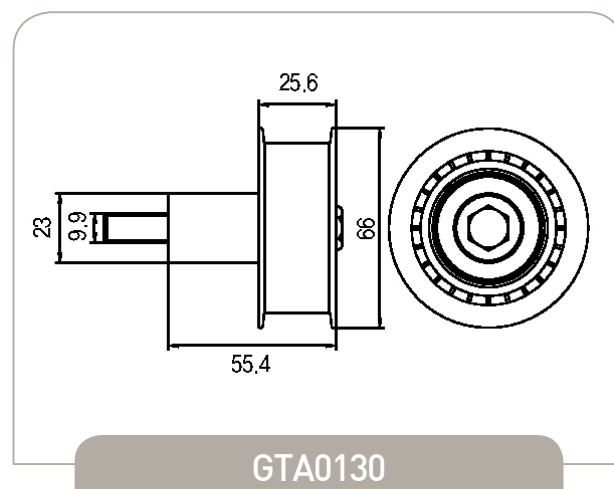




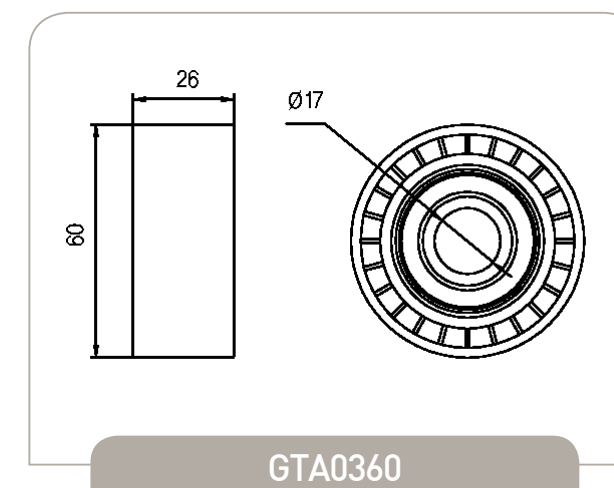
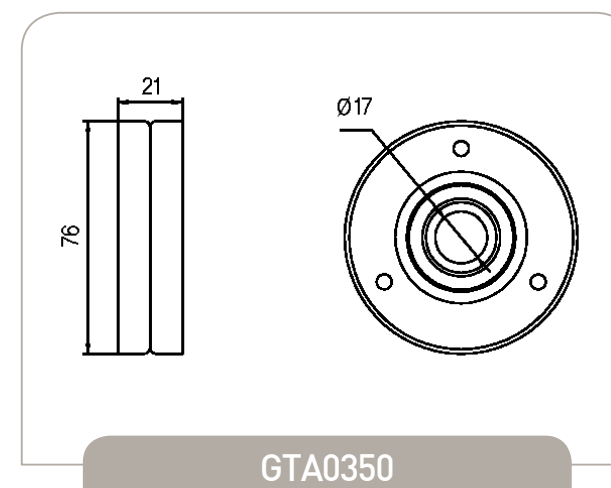
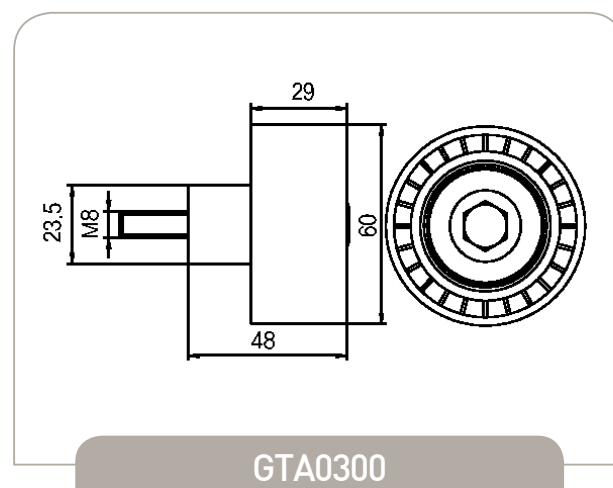
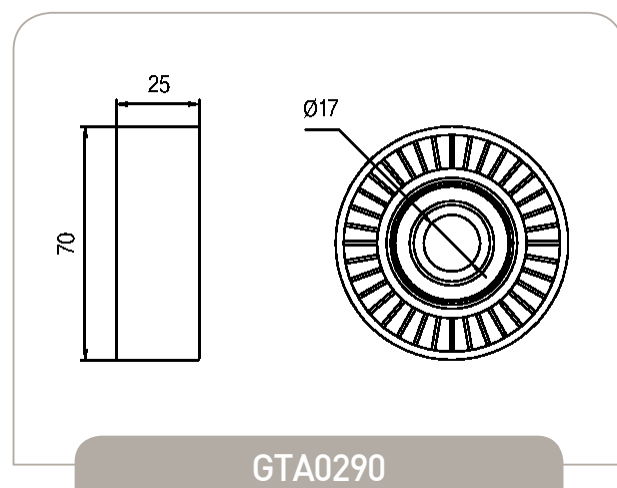
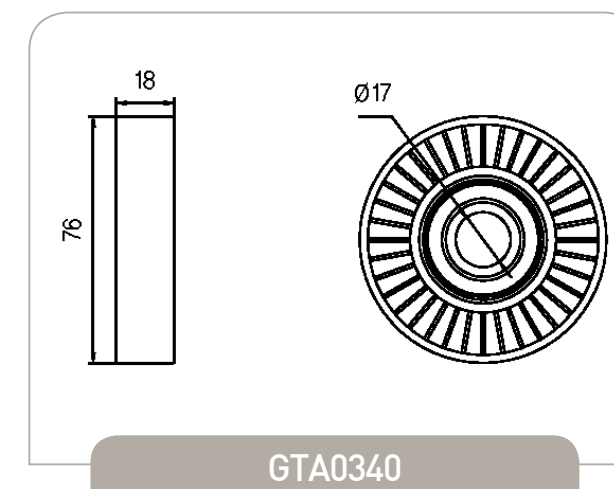
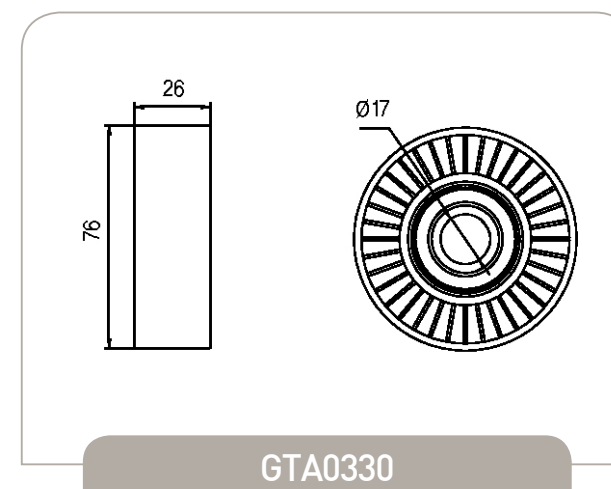
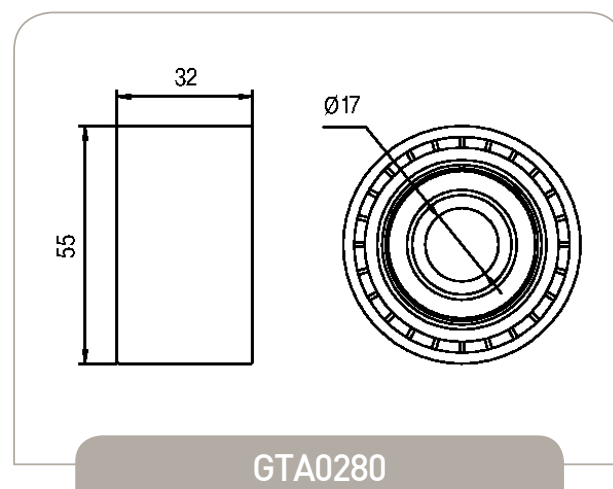
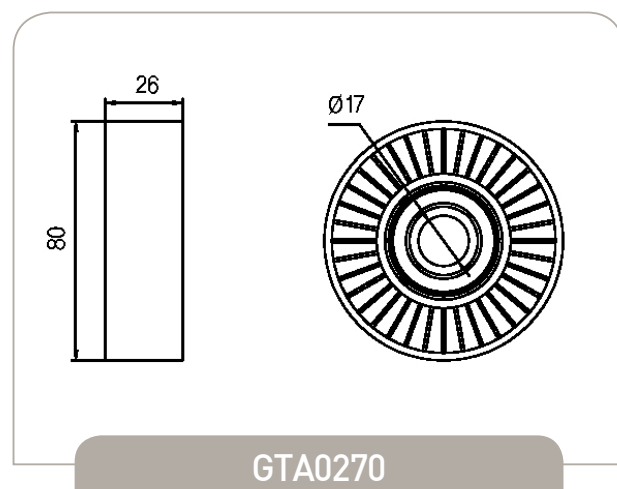
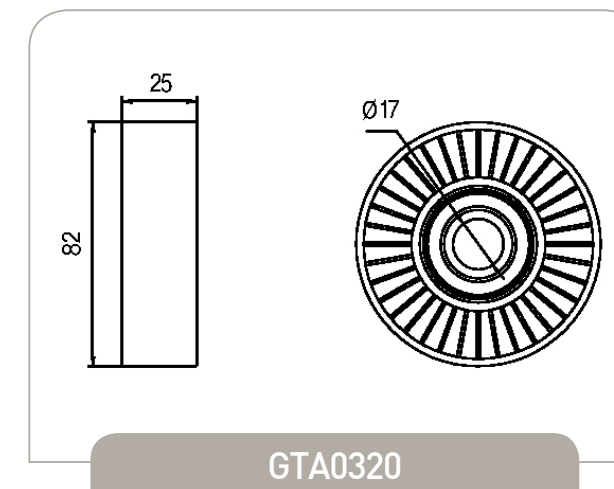
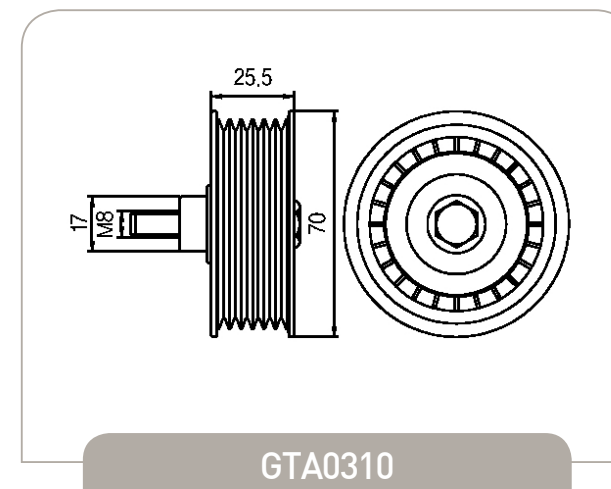
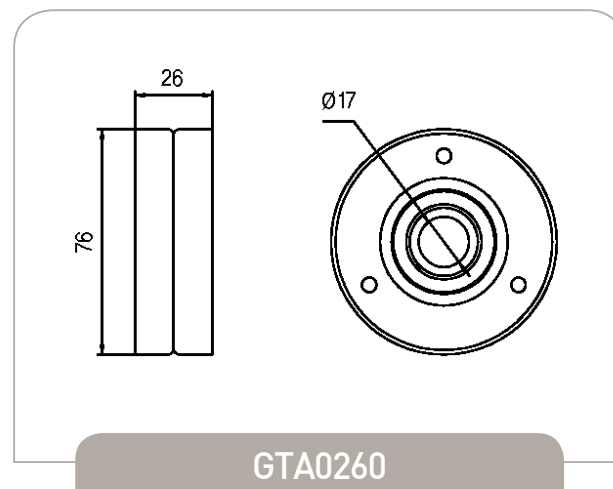
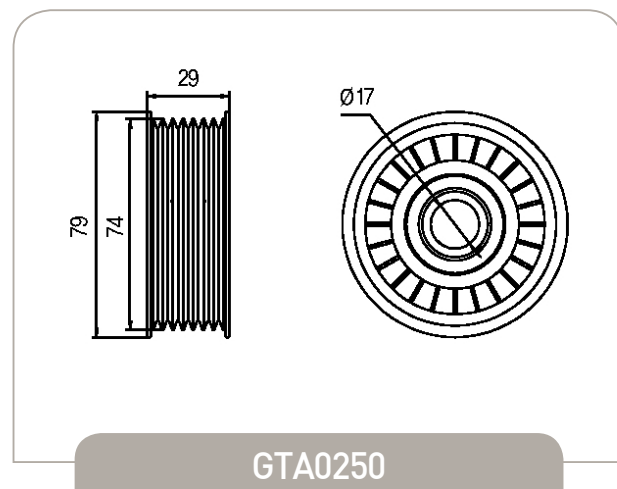




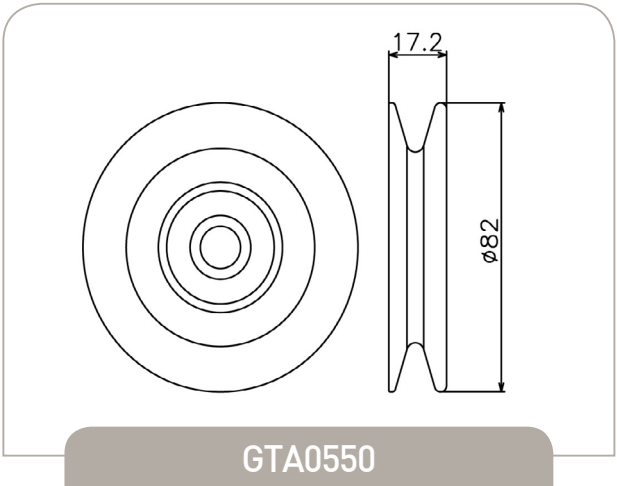
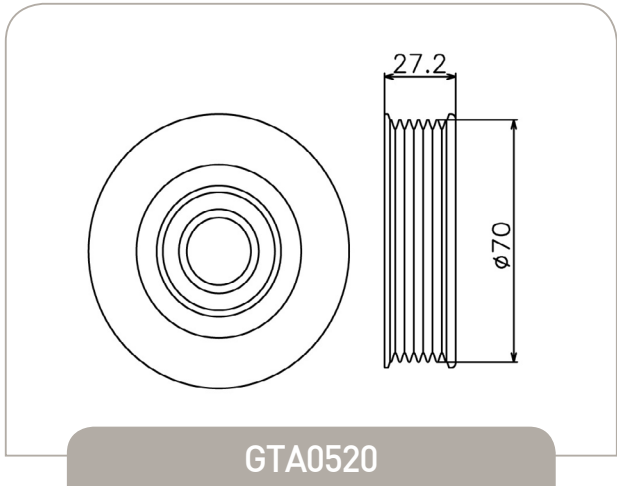
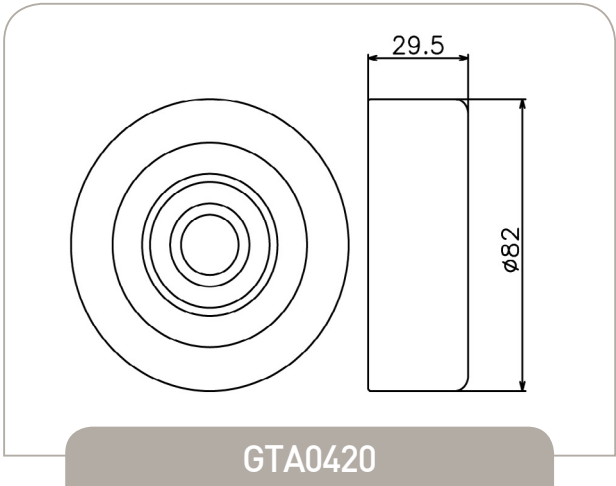
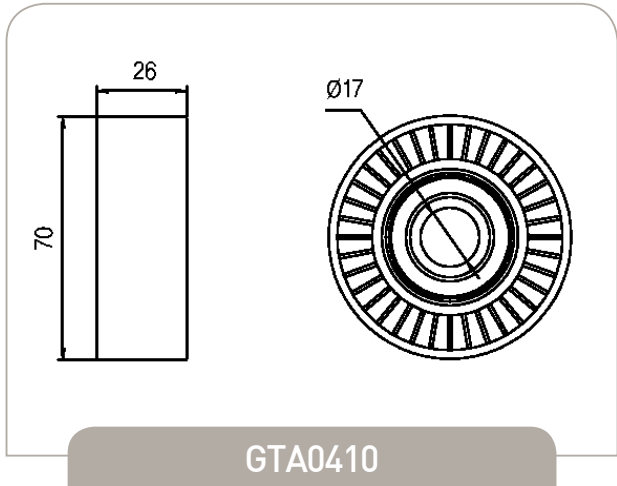
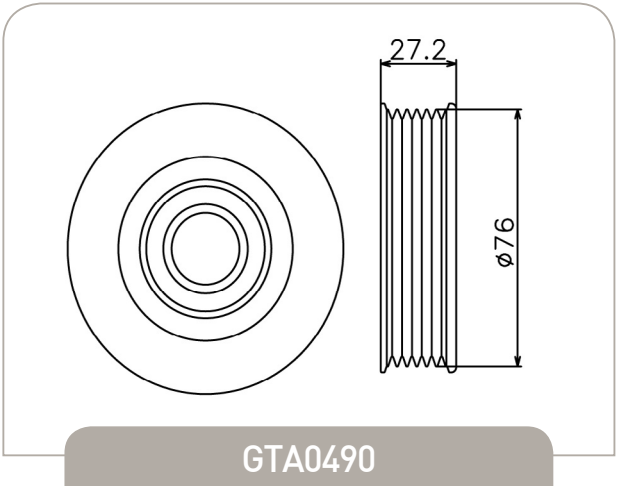
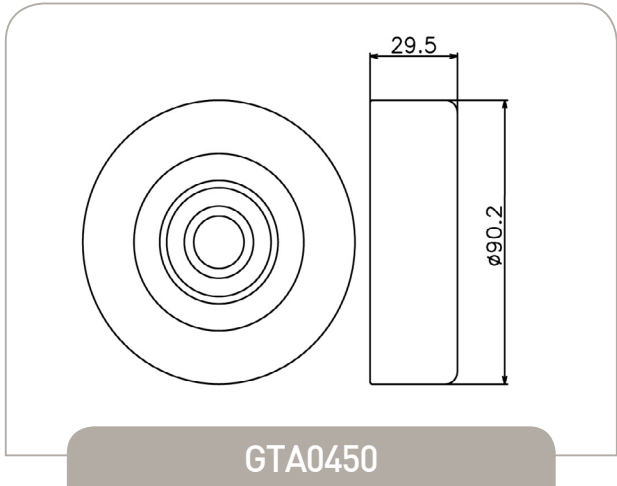
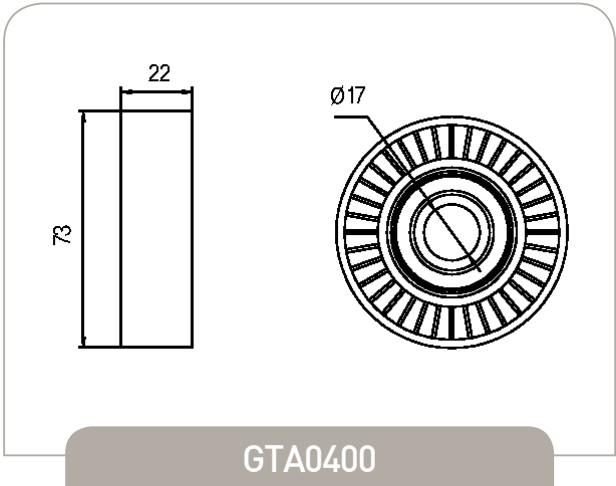
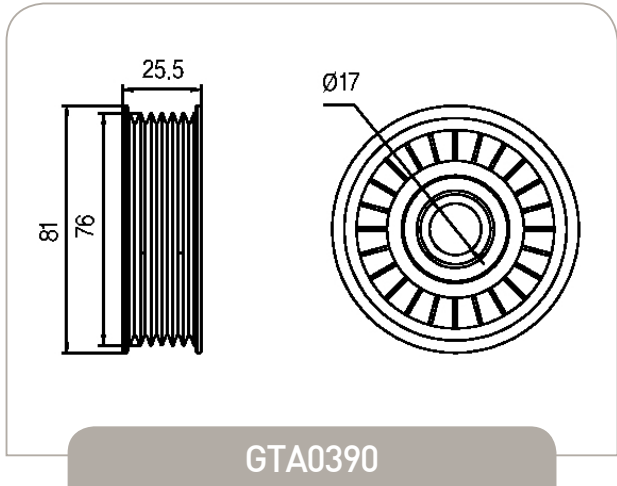
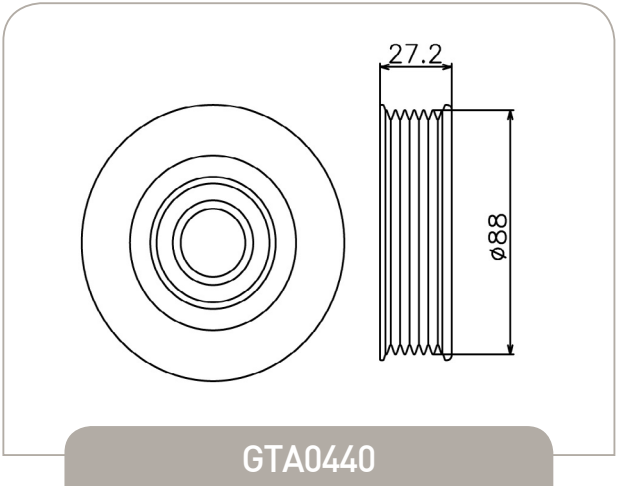
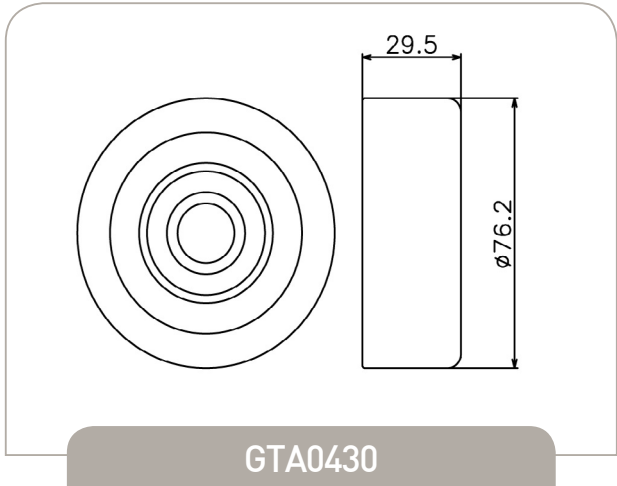
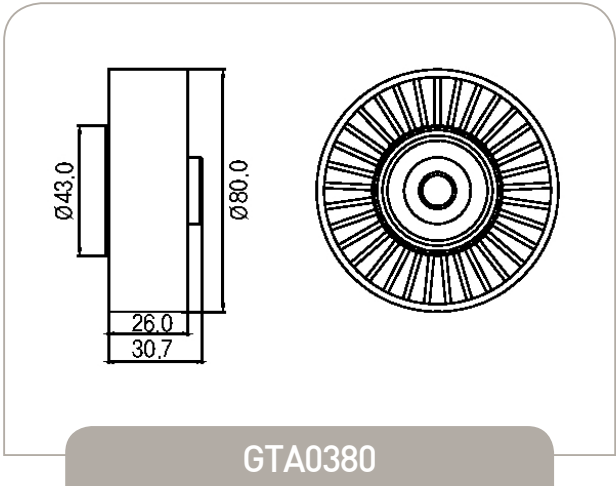
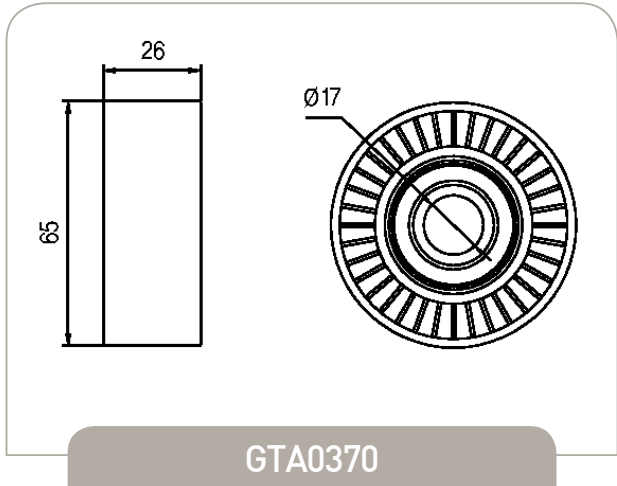


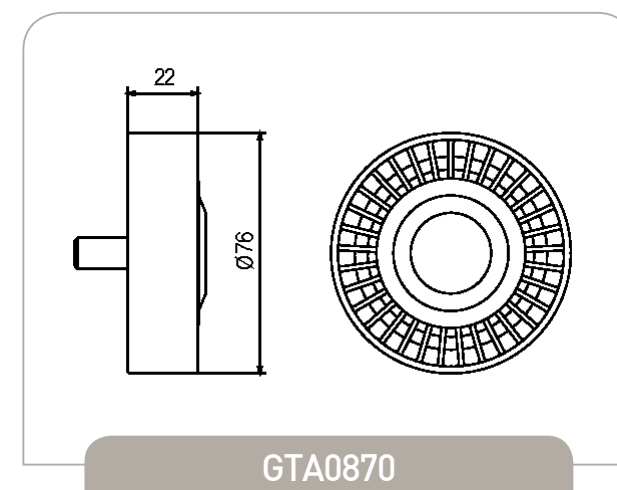
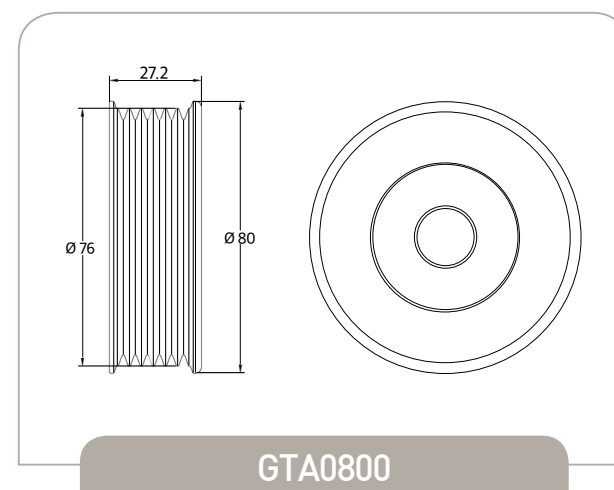
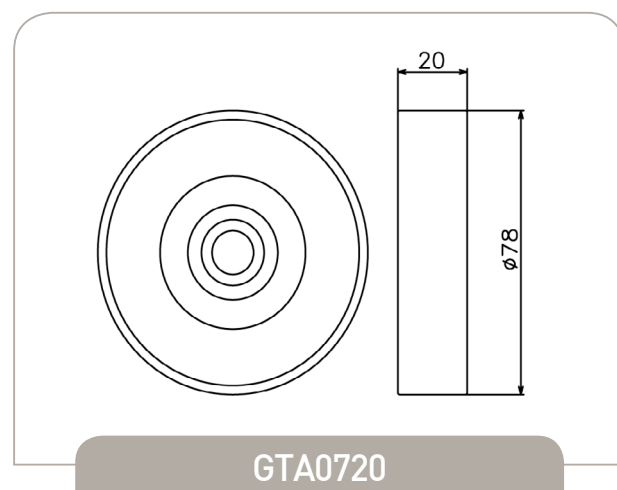
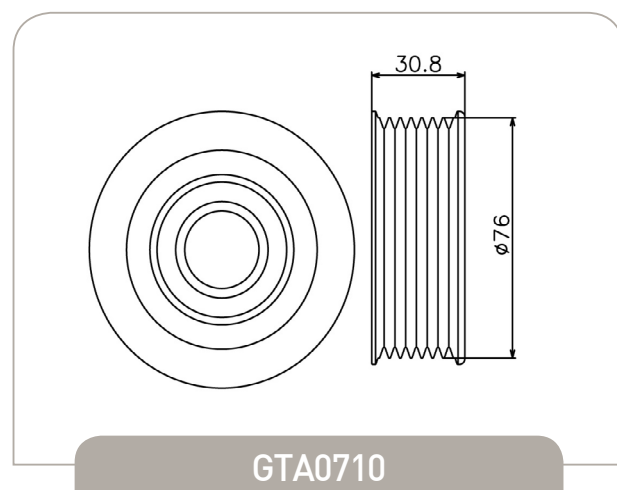
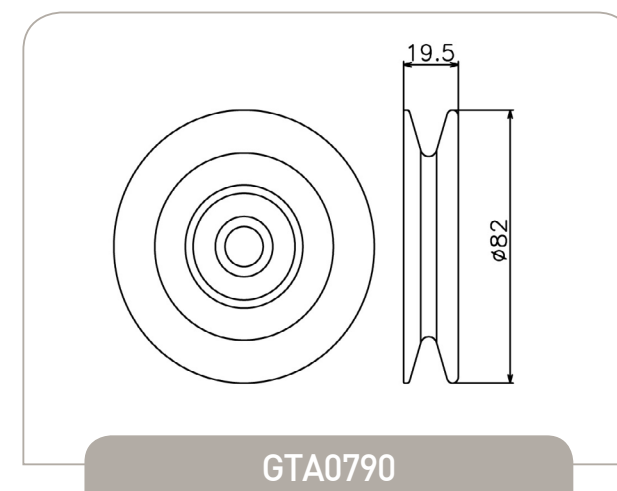
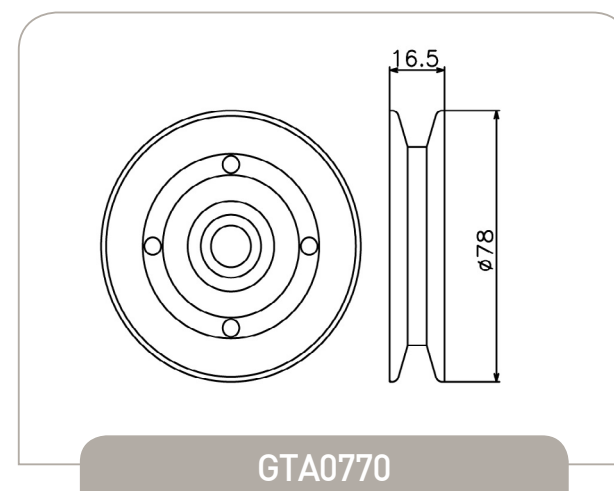
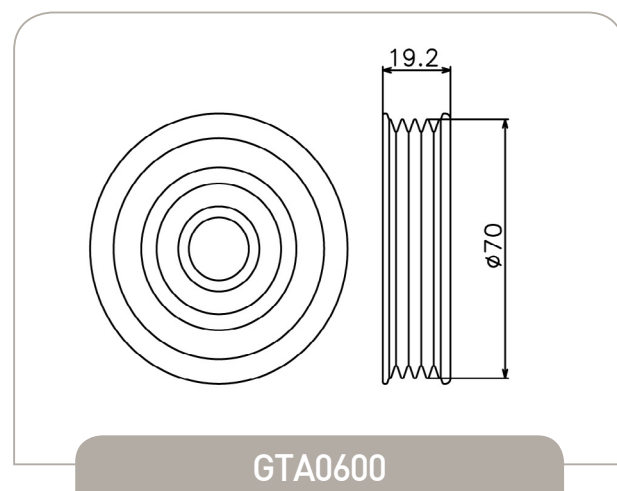
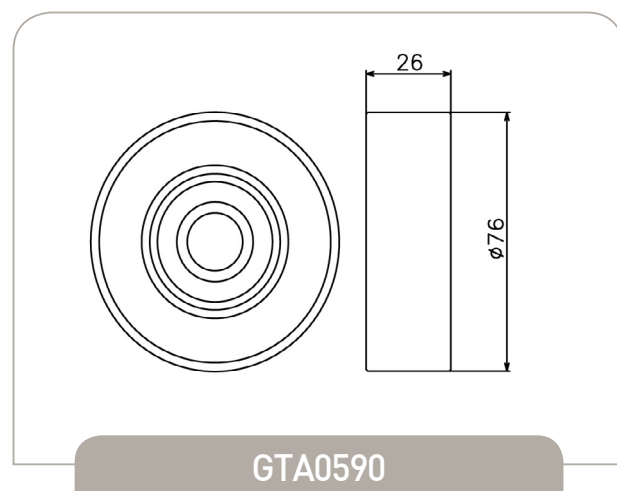
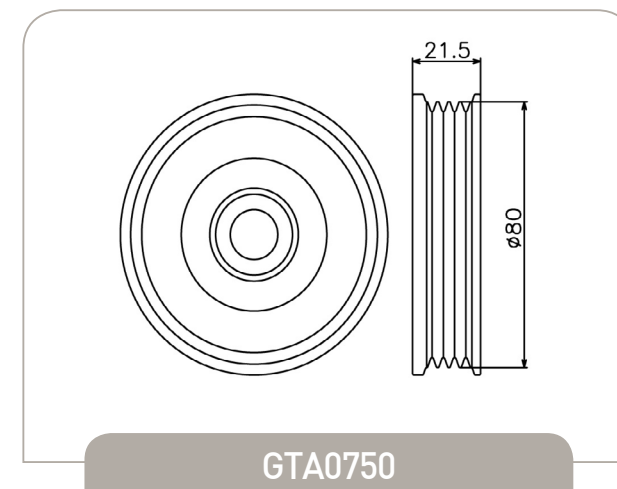
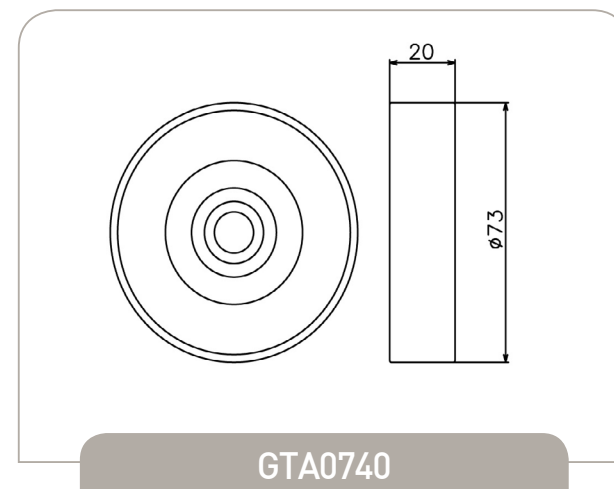
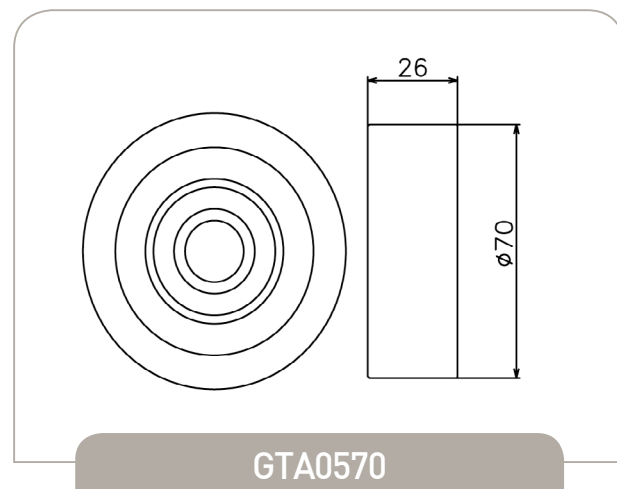
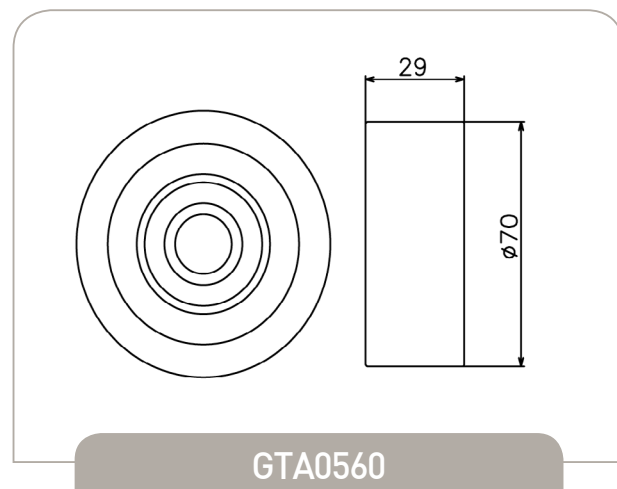


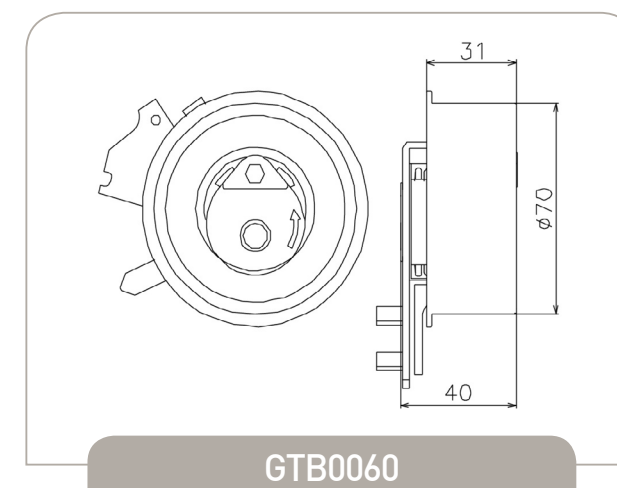
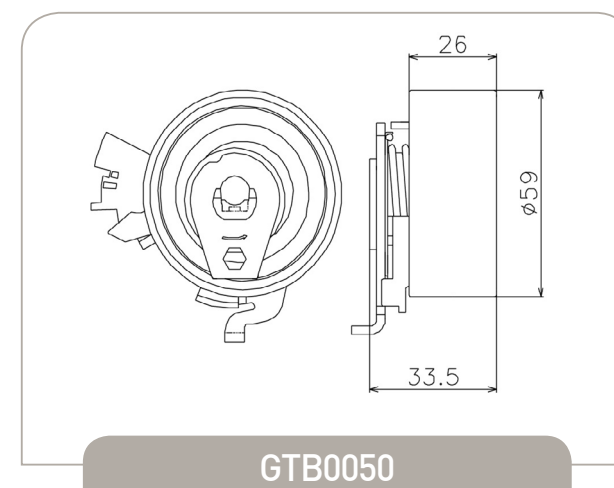
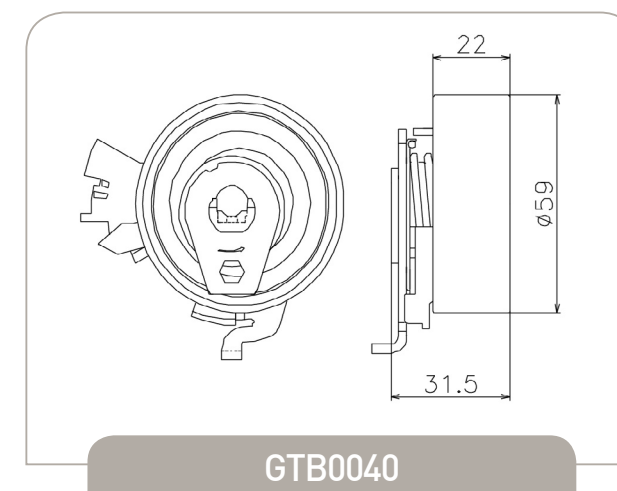
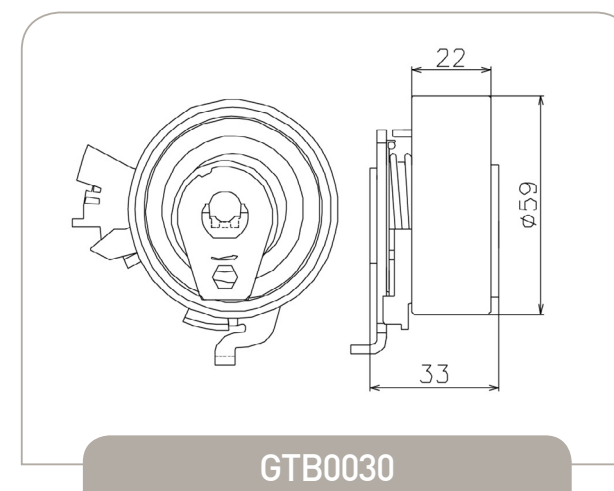
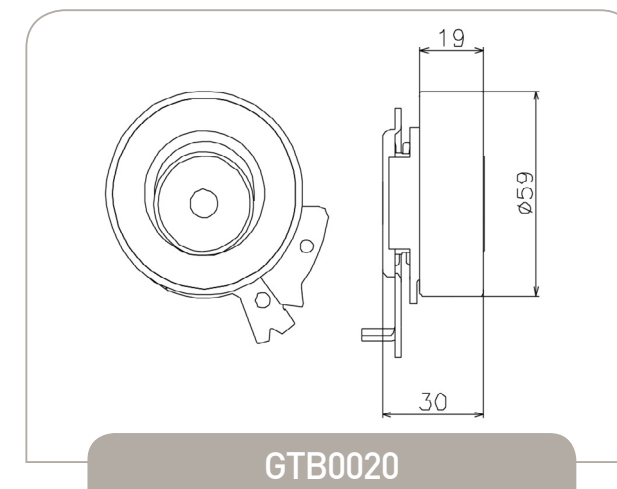
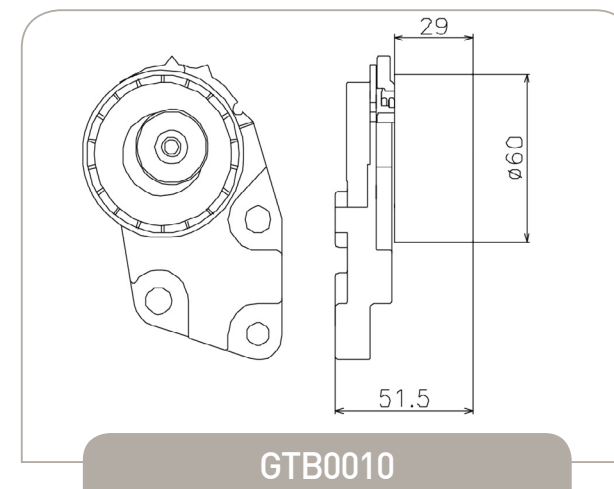
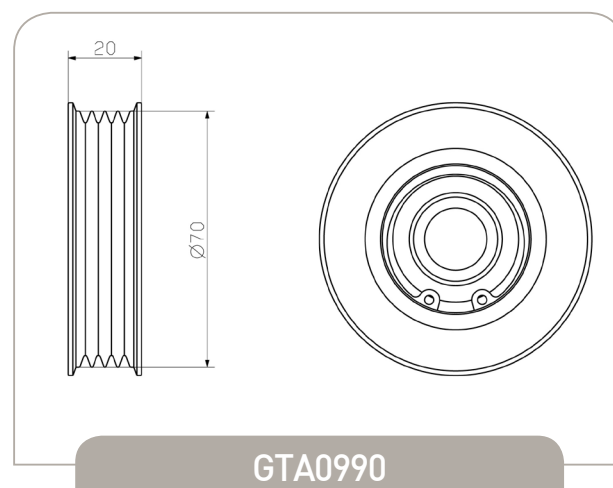
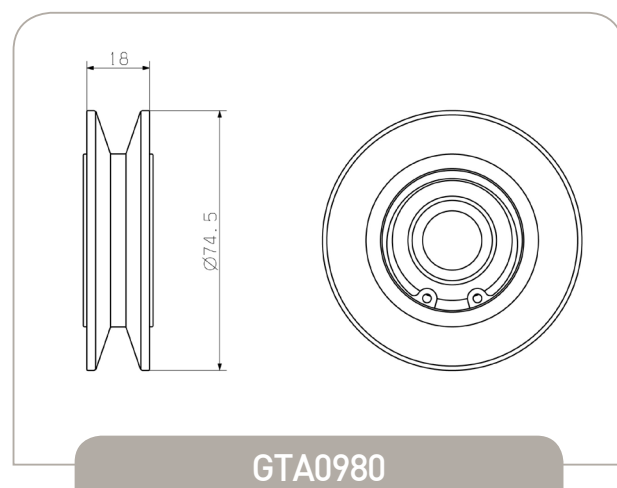
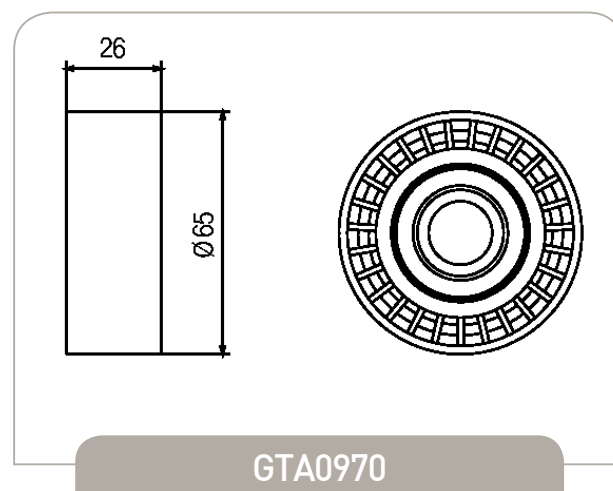
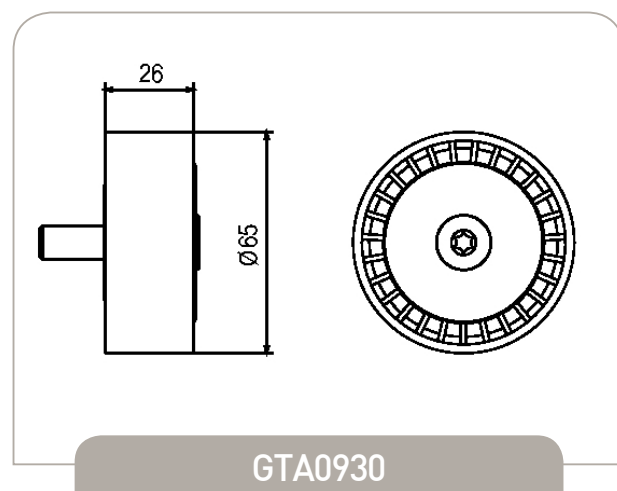
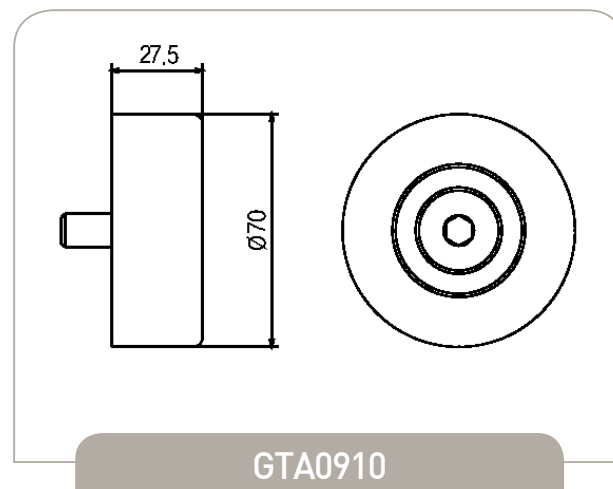
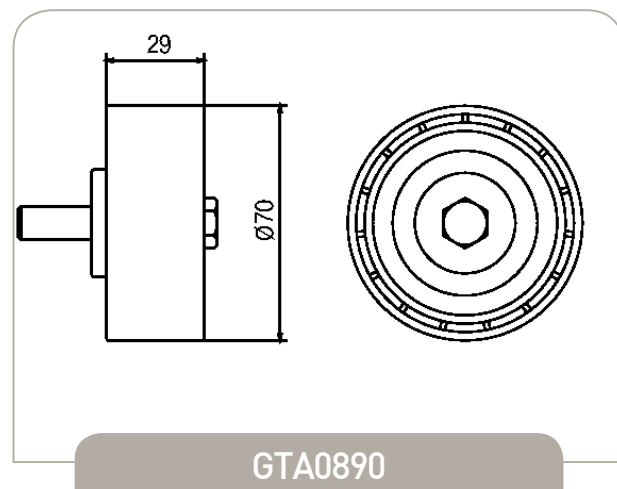


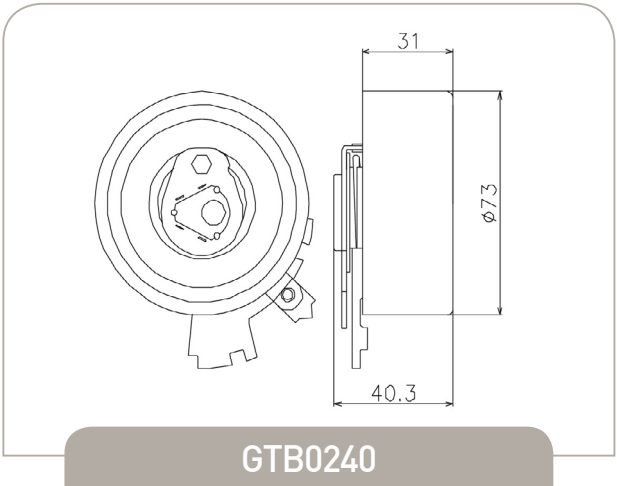
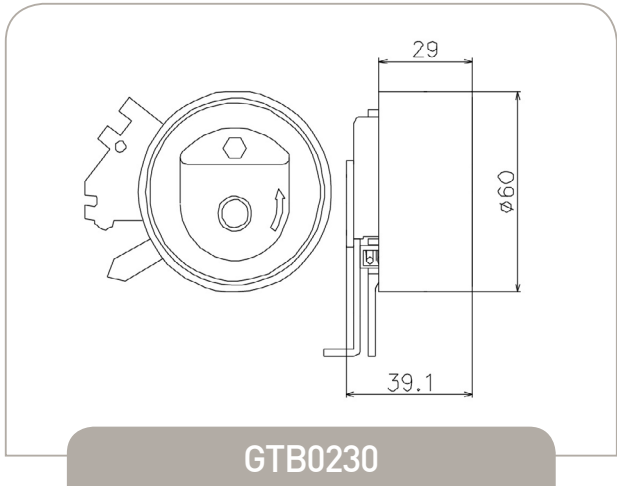
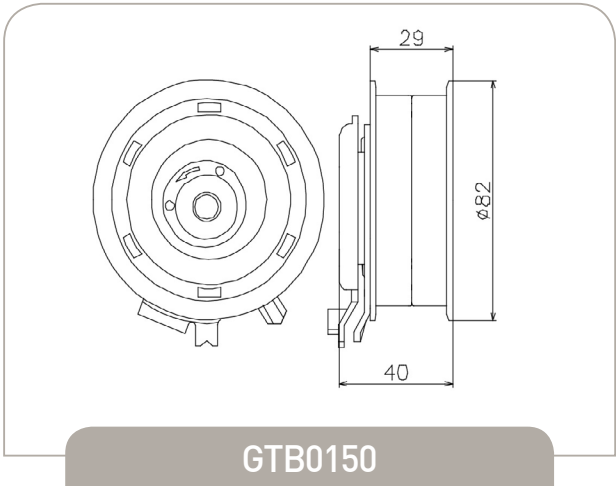
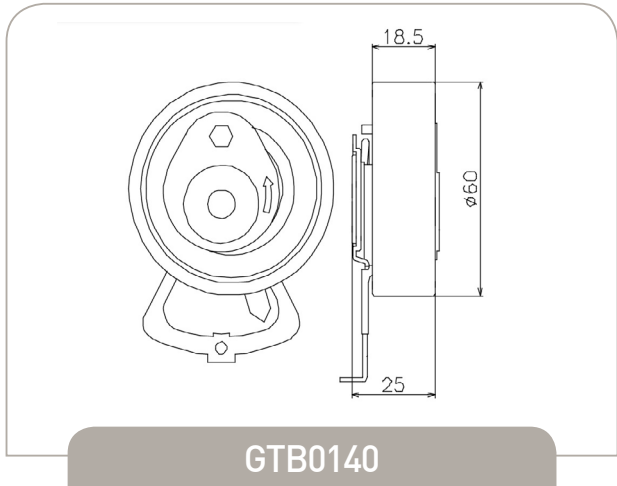
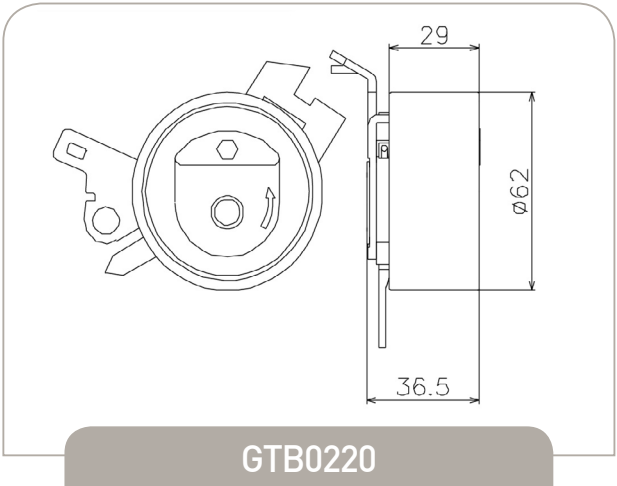
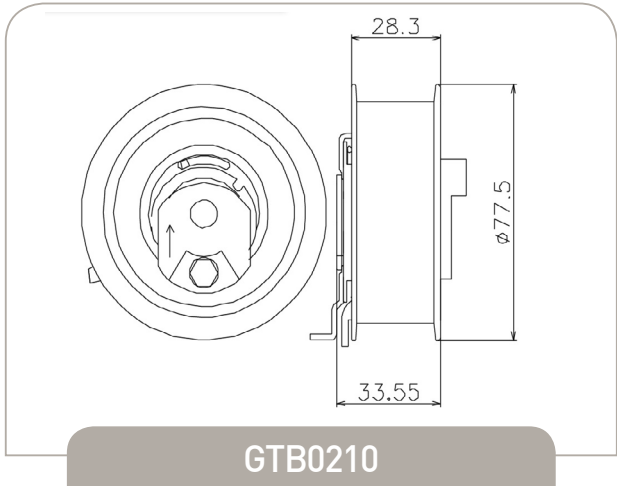
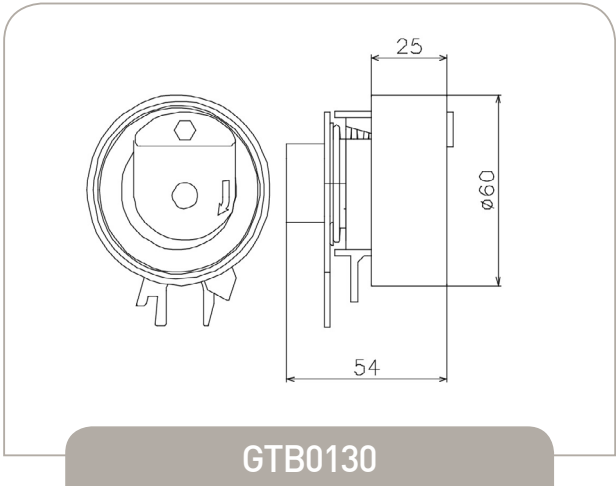
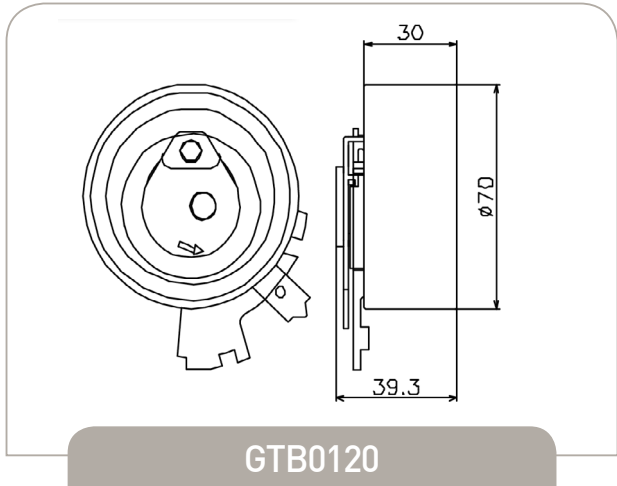
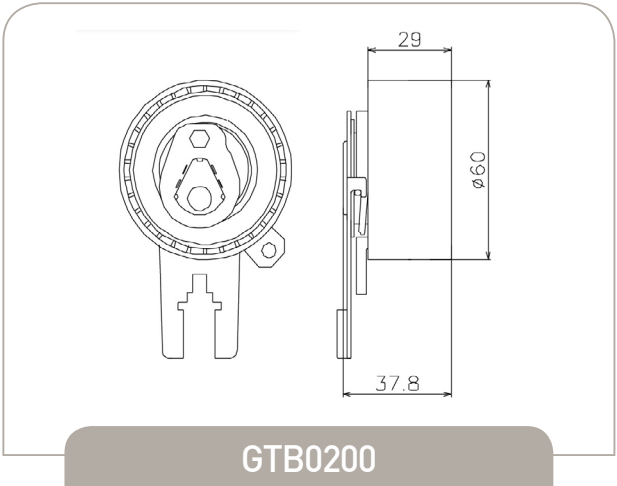
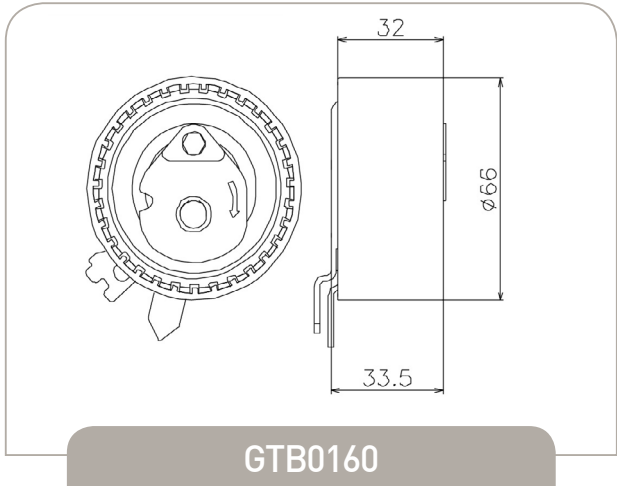
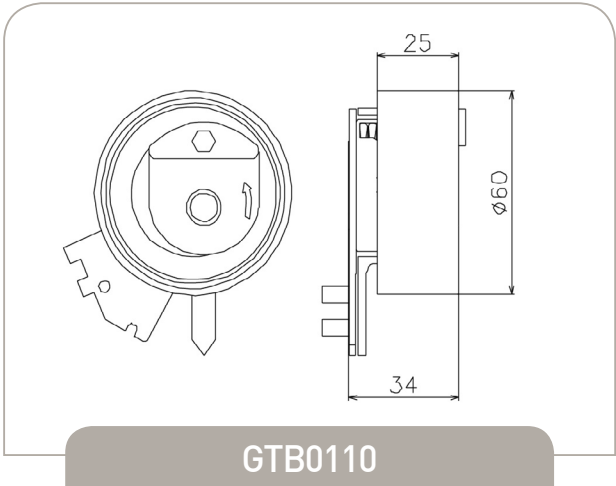
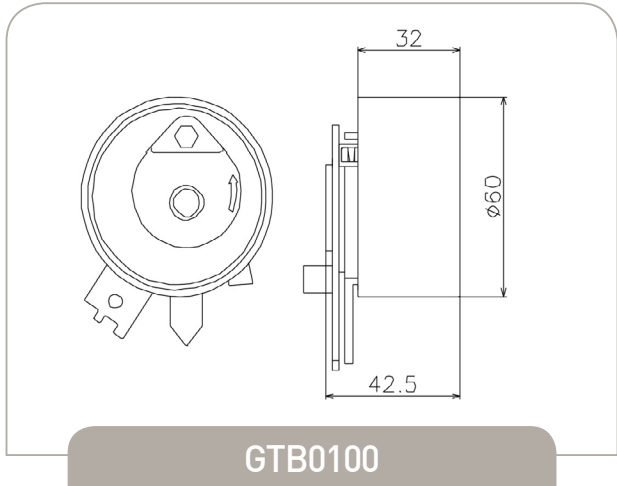




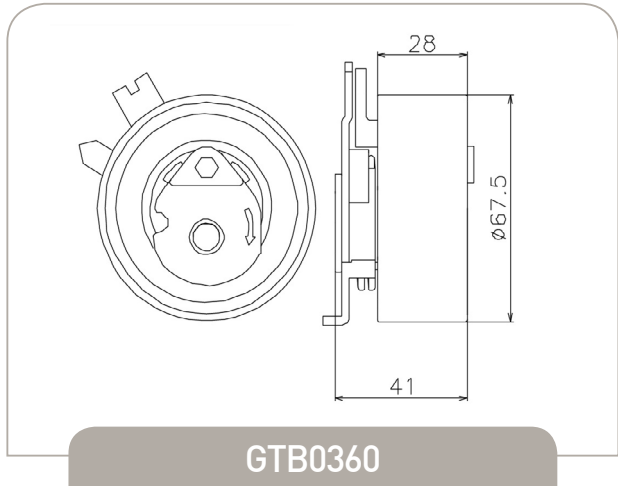
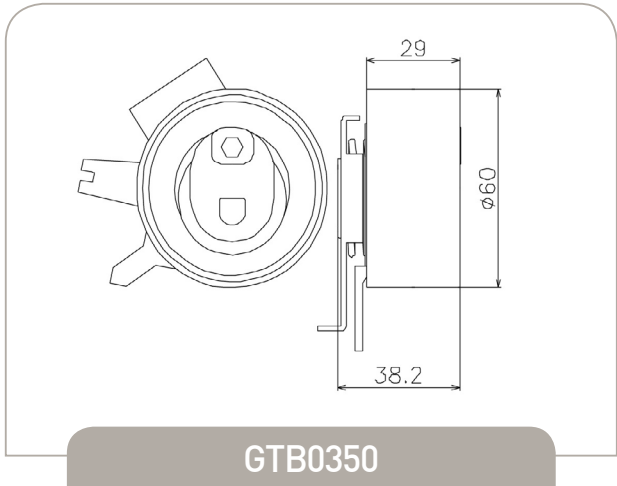
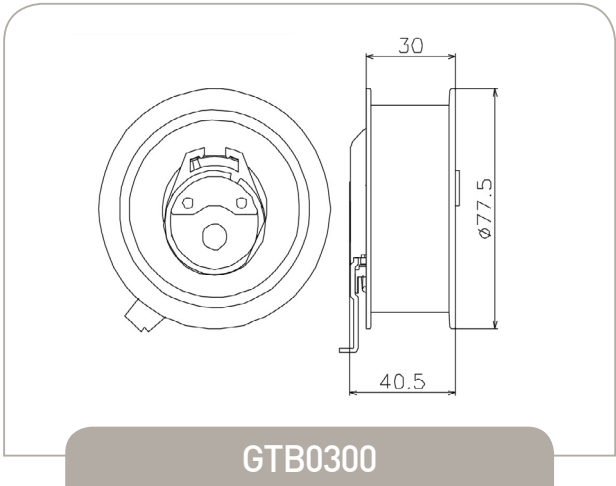
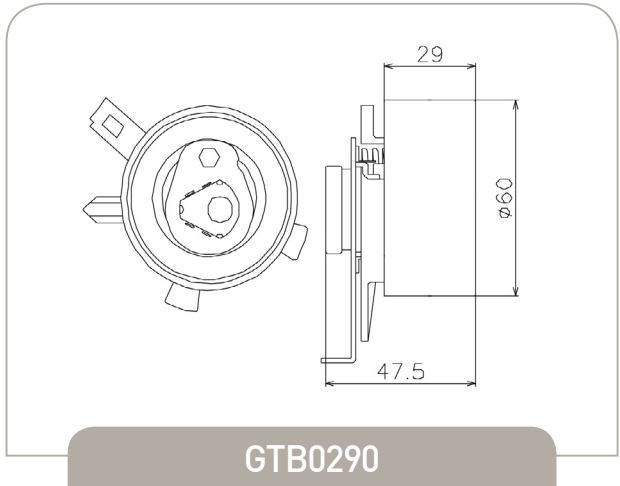
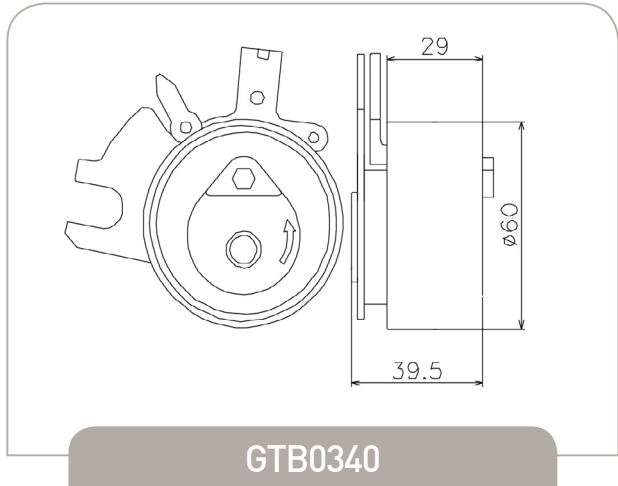
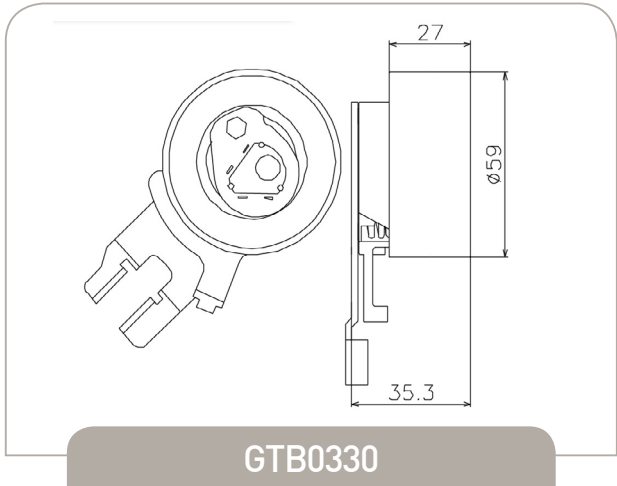
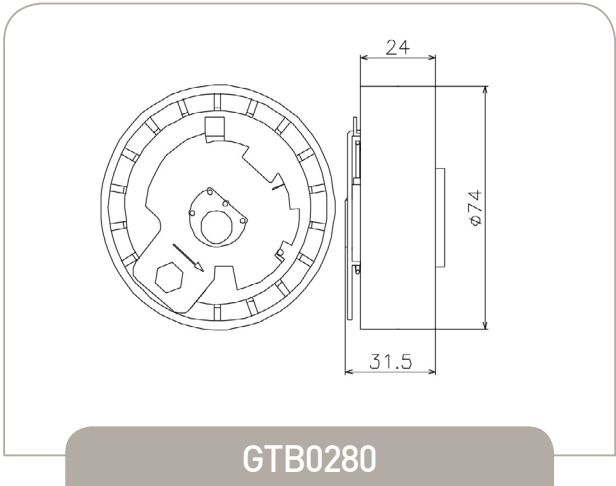
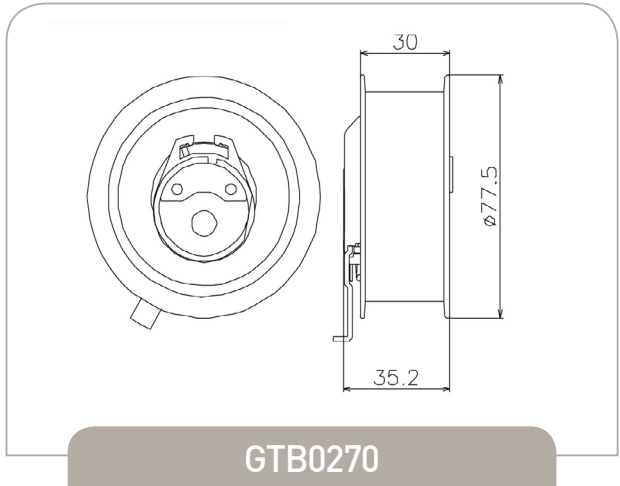
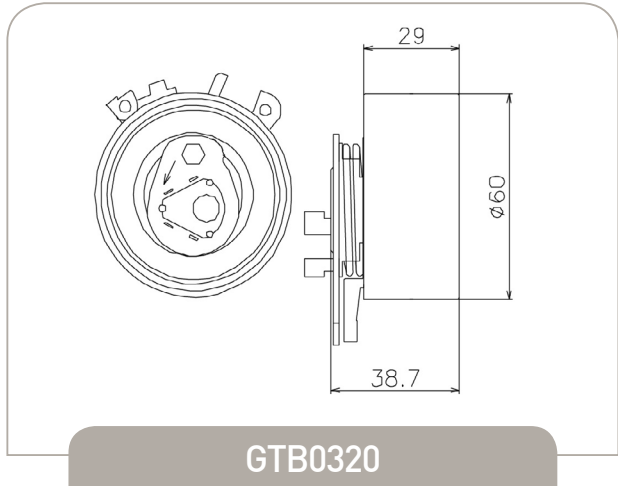
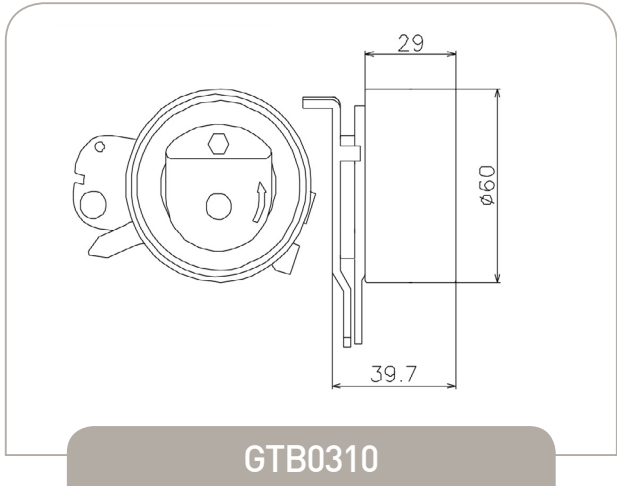
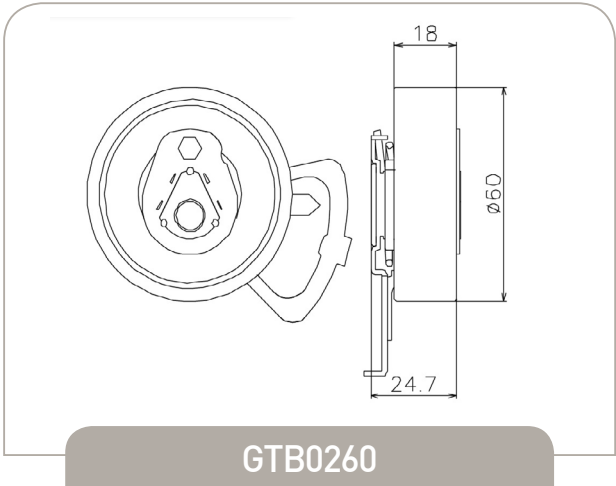
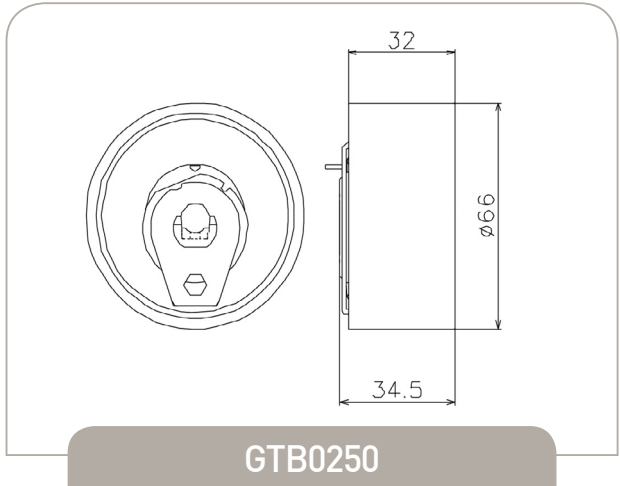




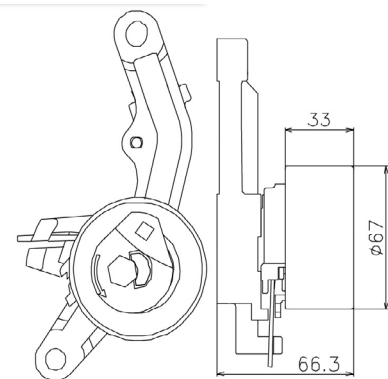




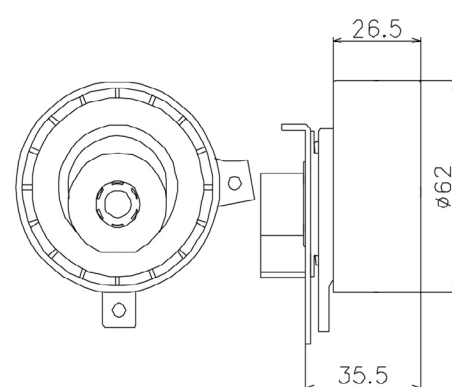




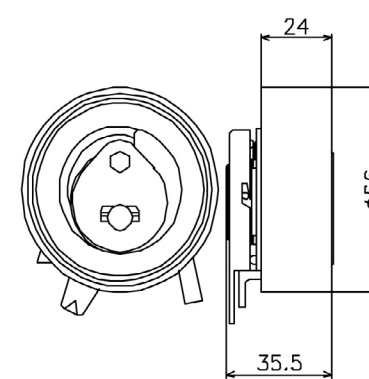




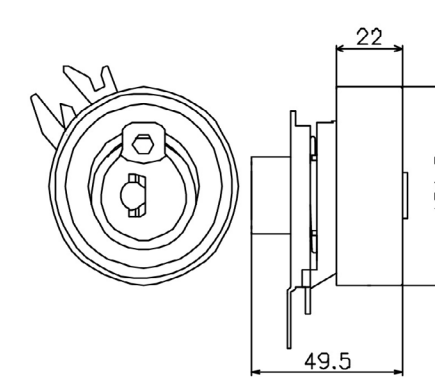
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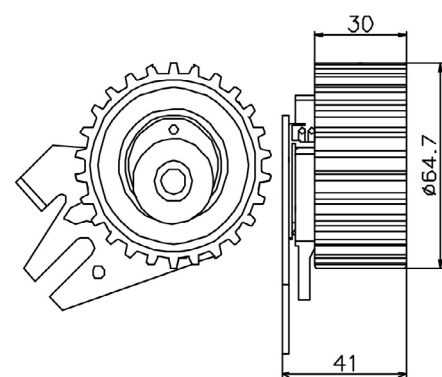
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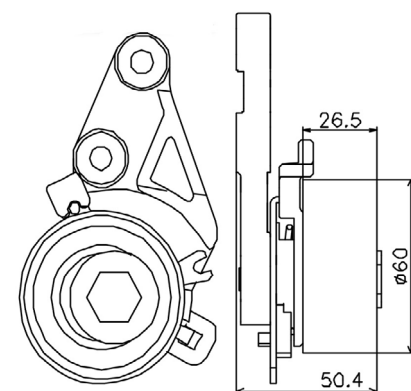
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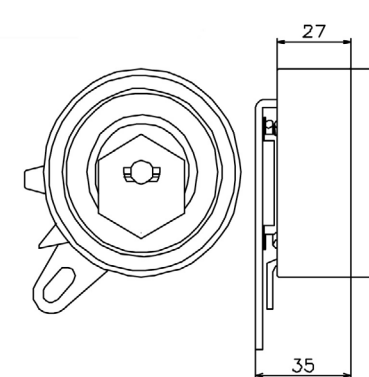
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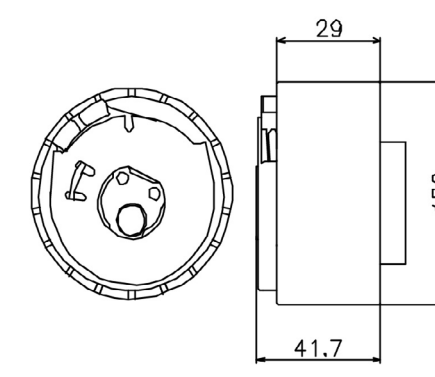
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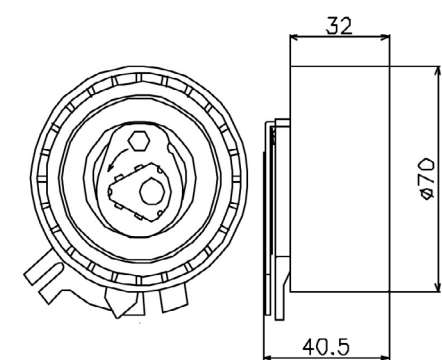
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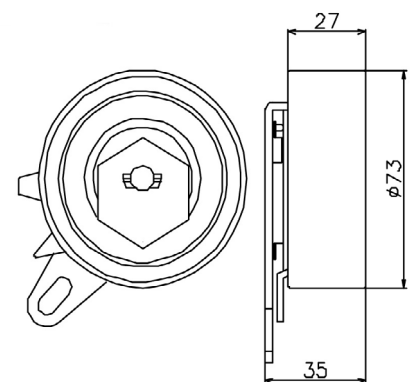
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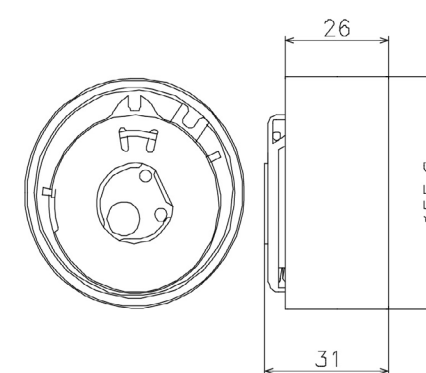
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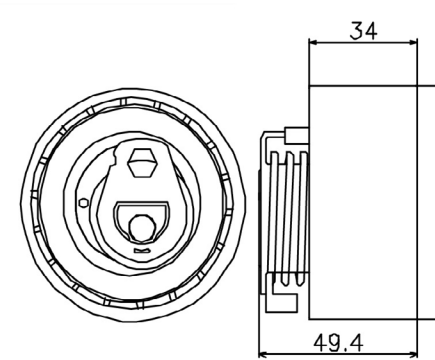
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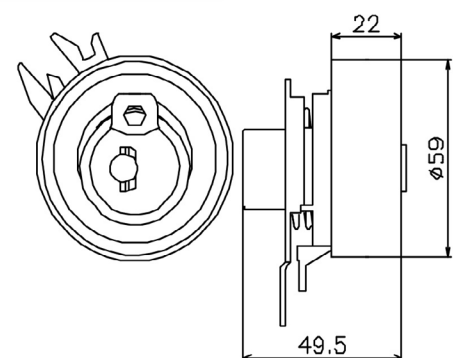
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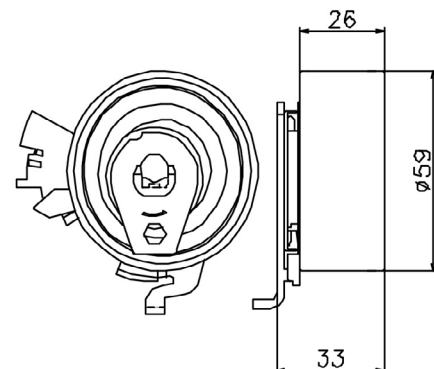
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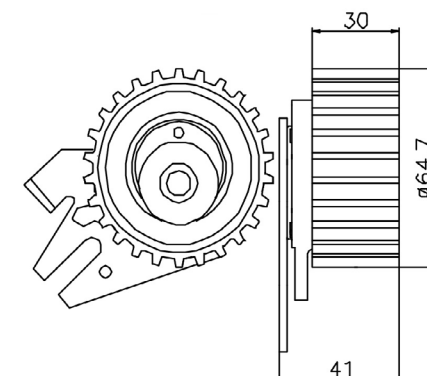
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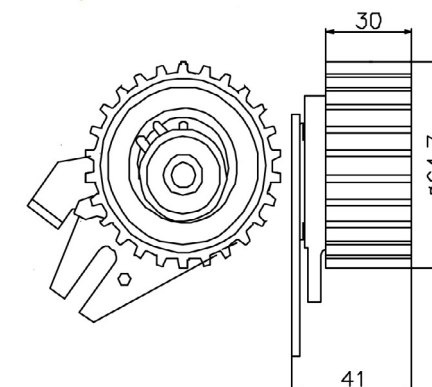
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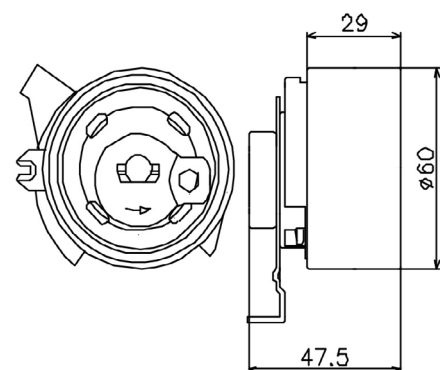
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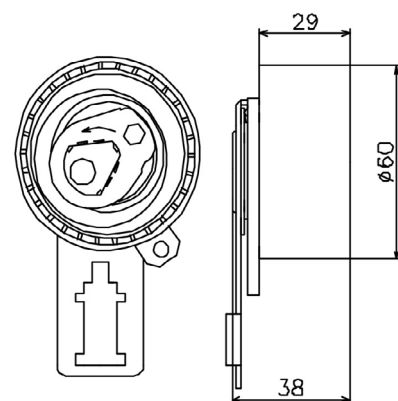
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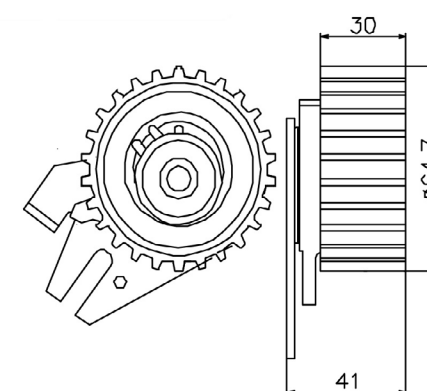
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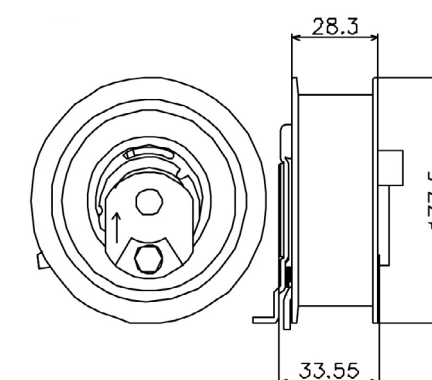
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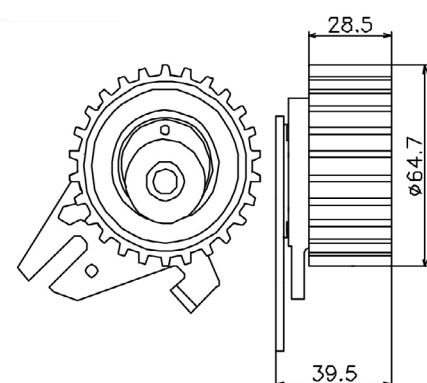
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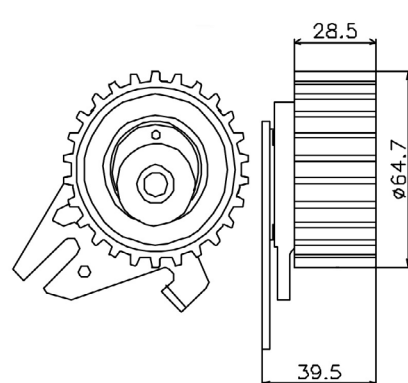
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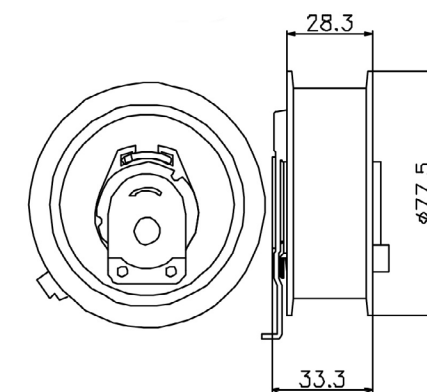
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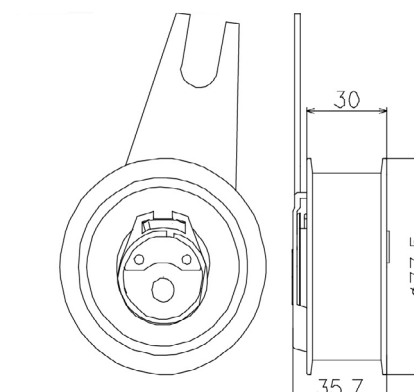
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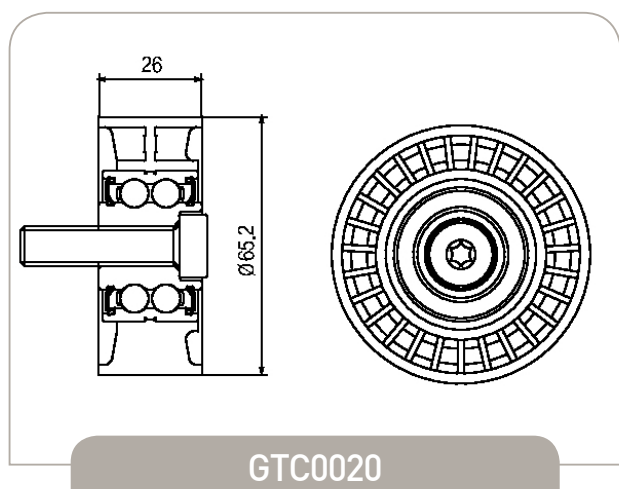
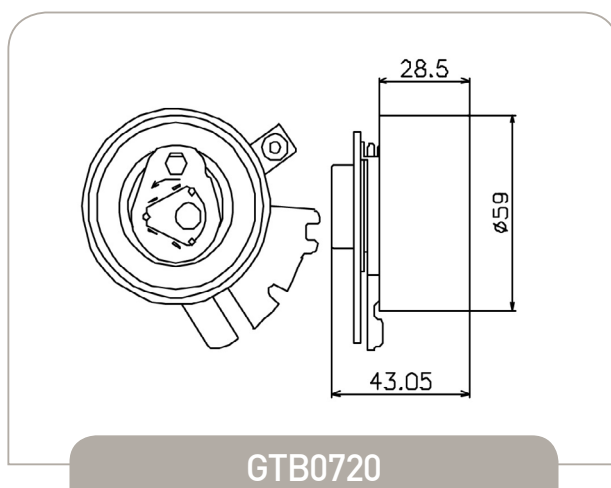
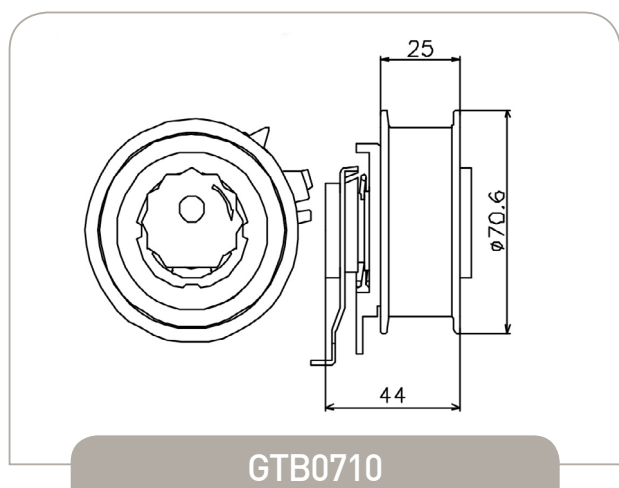
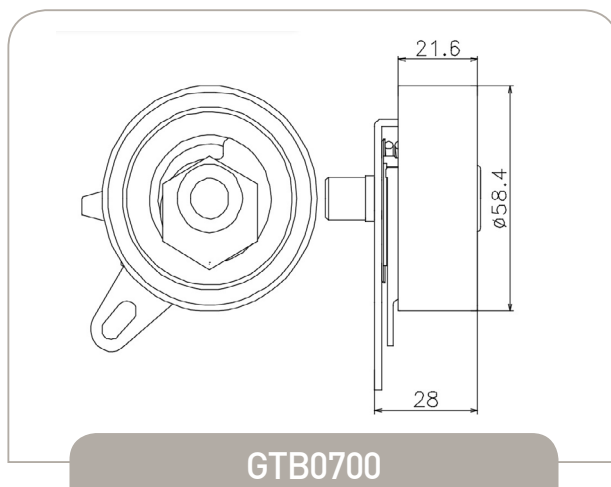
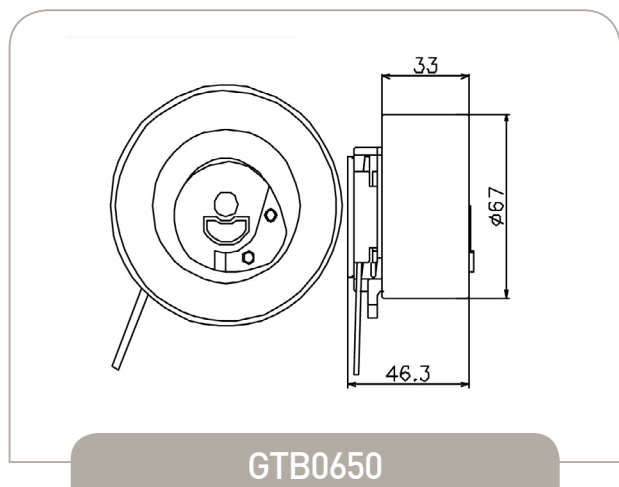


GTB0610



GTB0630

## Brief Drawing





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