



TP

**PISTON RINGS,
CYLINDER LINERS
CATALOG**

Vol. 18

TPR

NEW HOLOGRAM OF TP RING



OLD

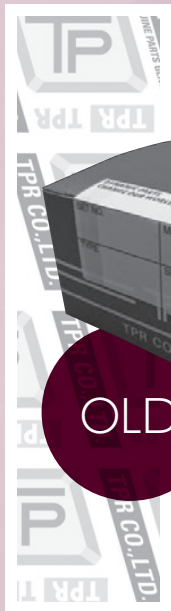
NEW!



New Hologram will be available soon, and old hologram also might be seen in shops with new one for the time being.

التصاميم الجديدة ستكون متوفرة قريباً.
قد يكون التصميم القديم أيضاً متوفر في المتاجر مع التصميم
الجديد في الوقت الحالي.
نئے ڈیزائن جلد ہی دستیاب ہوں گے۔
پرانا ڈیزائن بھی اس وقت نئے کے ساتھ اسٹورز میں ہو سکتا ہے۔

NEW HOLOGRAM OF TP RING



OLD

NEW!



New Hologram will be available soon, and old hologram also might be seen in shops with new one for the time being.

我们将变更TP包装盒上的防伪标签，新的式样即将推出。
在更换期间，新旧式样会同时存在，敬请谅解。

El nuevo holograma será disponible pronto, y el holograma anterior también podría ser encontrado en los almacenes junto con el nuevo por el momento.

How to order TP Piston Rings

When ordering, please be sure to state the following : Our Set Number, Size, Type and Quantity.

TYPE

T: all rings iron-phosphate coated.

TC: top compression rings chrome plated, others iron-phosphate coated.

PS: top compression rings and upper oil control rings chrome plated, others iron-phosphate coated.

3PS: top, 2nd compression rings and upper oil control rings chrome plated, others iron-phosphate coated.

AC: all rings chrome plated or nitrided.

DW: top compression rings side face chrome plated upper oil rings chrome plated with coil expander, others iron-phosphate coated.

3F: top compression and multi-piece steel oil control rings chrome plated or nitrided, others iron-phosphate coated.

2F: top compression and upper oil control rings chrome plated or nitrided, upper oil control rings with coil expander, others iron-phosphate coated.

BC: top compression rings side chrome plated.

X: upper oil control rings with hump type expander.

3F types is mainly for gasoline engines.

2F types is mainly for diesel engines.

“K” after width indicates full keystone rings.

“HK” after width indicates half keystone rings.

OVER SIZE

TP PISTON RING SETS are available in standard (STD) size and the following oversizes.

inch	STD	.010	.020	.030	.040
mm	STD	0.25	0.50	0.75	1.00

EXAMPLE

Our Set No.	Type	Size	Quantity	Remarks
35825	3F	STD	500 sets	
32208	PS	020	750 sets	

- TP PISTON RING SET other than for Japanese cars are also available to supply.

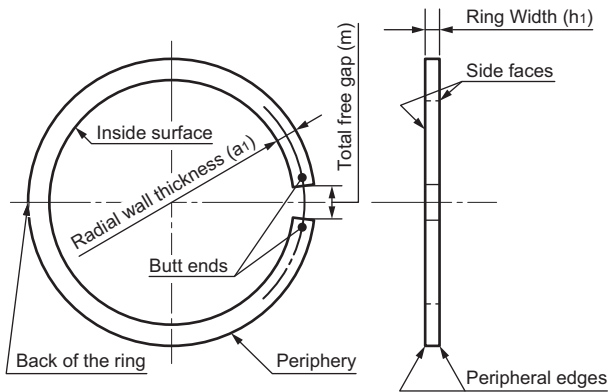
Contents

How to order TP Piston Rings	2
PISTON RINGS	4
Piston Rings Details, Identification and Location	5
Cross-Section Configuration/Material/Surface Treatment.....	6
DAIHATSU	8
HINO	11
HONDA.....	20
ISUZU	26
MAZDA.....	41
MITSUBISHI	47
NISSAN	65
SUBARU	83
SUZUKI	85
TOYOTA	88
DAEWOO	106
HYUNDAI	108
KIA.....	112
OTHERS.....	114
(ASIA, AUDI, CHERY, CHRYSLER, BMW/MINI, DOOSAN, GM/CHEVROLET, FIAT, FORD, GAZ, GEELY, LADA, MAN, MERCEDES, OPEL, PEUGEOT, PROTON, RENAULT, SKODA, SSANGYONG, VW)	
COMPRESSOR.....	124
CYLINDER LINERS	127
Liner Type Diagrams	128
DAIHATSU	130
HINO	130
ISUZU	131
MAZDA.....	132
MITSUBISHI	133
NISSAN	135
TOYOTA	136
OTHERS.....	136
(MERCEDES, DOOSAN, HYUNDAI)	
NUMERICAL LISTING	139
(Reference No./TP No.)	

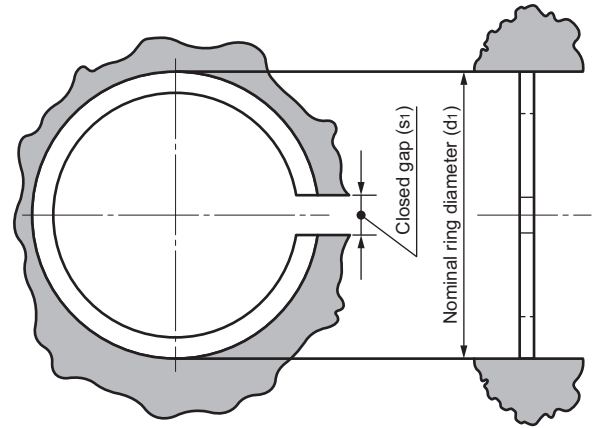
PISTON RINGS

Piston Rings Details, Identification and Location

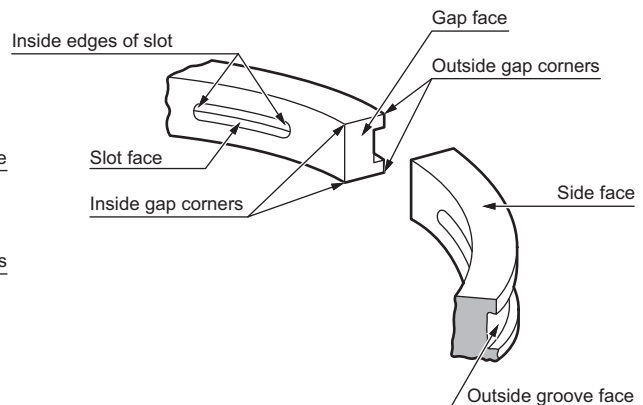
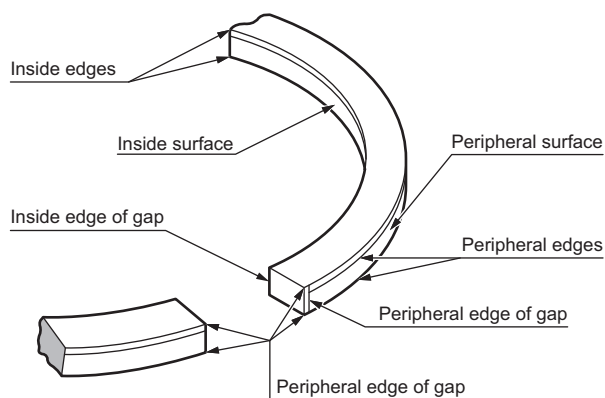
Nomenclature and symbols under free state



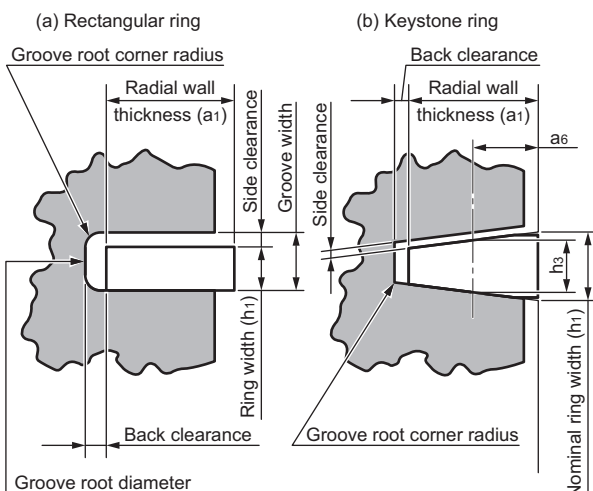
Nomenclature and symbols under mounted state



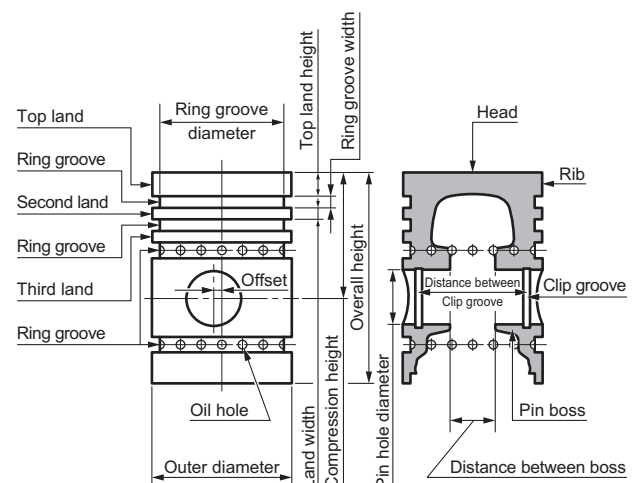
Nomenclature of edges, inside and peripheral surfaces and side face



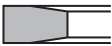
Nomenclature and symbols relating to ring cross-section and groove width

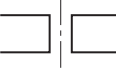
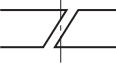
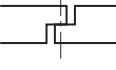


Nomenclature of parts (Piston)



Cross-Section Configuration/ Material/Surface Treatment

Shape ①		
Cross Section		
Rectangular		
Keystone		K
Half Keystone		HK
Slotted oil control		1F
Beveled-edge oil control		
Double-beveled oil control		
Coil spring loaded oil control		2F
Coil spring loaded Beveled-edge oil control		
Coil spring loaded double Beveled-edge oil control		
Expander/segment oil control ring		3F
Shape ②		
Face Configuration		
Straight-faced		SF
Barrel-faced		BF
Taper-faced		TF

Shape ③		
Others		
Scraper		SP
Internal bevel top		BT
Internal step top		ST
Internal bevel bottom		BB
Internal step bottom		SB
Inside edges chamfered		
Outside edges chamfered		
Inside and outside edges chamfered		
Material		
Gray Cast iron		FC
Ductile Cast iron		FD
Steel		ST
Surface treatment		
Nitriding		NT
Chromium plating		CH
Phosphate		PH
Ferroxided		FE
PVD		PV
Joint Configurations		
Joint (straight)		
Oblique joint (angle)		
Stepped joint (angle)		
Joint with side notch		
Joint with internal notch		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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DAIHATSU

31057	3F	JB-J				4	T	61.0 × 1.2 × 2.3	BF BT	ST	CH FE	13011-87231
							2	61.0 × 1.2 × 2.5	TF SP	FC	PH PH	
							O	61.0 × 2.0 × 2.45	3F	ST	CH PH	
31016	TC	L38 S38	Fellow MAX L38,L38S			356	2	62.0 × 2.0 × 2.8	HK BF	FC	CH PH	13011-87204
							2	62.0 × 2.0 × 2.8	BF	FC	PH PH	13011-87205
							3	62.0 × 2.0 × 2.8	BF	FC	PH PH	13011-87501
31033	3F	EB	Mira			547	3	62.0 × 1.2 × 2.5	BF BT	ST	CH FE	13011-87206
							2	62.0 × 1.5 × 2.5	TF	FC	PH PH	13011-87222
							O	62.0 × 2.8 × 2.6	3F	ST	NT PH	
31062	3F	KF-VE	Mira Esse			658	3	63.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-B2020
							2	63.0 × 1.2 × 2.3	TF SP	FC	PH PH	
							O	63.0 × 2.0 × 2.25	3F	ST	CH PH	
31063	2FAC	KF-VE2				3	T	63.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-B2043
							2	63.0 × 1.2 × 2.3	TF SP	FC	PH PH	
							O	63.0 × 2.0 × 2.2	3F	ST	PV PH	
31064	3F	KF-VE3				3	T	63.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-B2110
							2	63.0 × 1.0 × 2.1	TF	ST	FE FE	
							O	63.0 × 1.5 × 2.15	3F	ST	PV PH	
31040	3F	ED	Mira Charade,Hi-jet			850	3	66.6 × 1.2 × 2.55	BF	ST	NT NT	13011-87208
							2	66.6 × 1.5 × 2.85	TF SP	FC	PH PH	13011-87232
							O	66.6 × 2.8 × 2.6	3F	ST	NT PH	
31050	3F	ED(NEW)	Charade			850	3	66.6 × 1.2 × 2.3	BF	ST	NT NT	13011-97209
							2	66.6 × 1.2 × 2.6	TF SP	FC	PH PH	
							O	66.6 × 2.0 × 2.25	3F	ST	NT NT	
31041	3F	EF	KANCIL			660	3	68.0 × 1.2 × 2.55	BF BT	ST	CH FE	13011-87218
							2	68.0 × 1.5 × 2.8	TF SP	FC	PH PH	
							O	68.0 × 2.8 × 2.6	3F	ST	CH PH	
31053	3F	EF	Mira			659	3	68.0 × 1.2 × 2.55	BF BT	ST	CH FE	13011-97203
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.5 × 2.5	3F	ST	CH PH	
31027	3FBC	CD	G20L			850	3	70.0 × 1.5 × 3.0	BF	FC	CH PH	13011-87712
							2	70.0 × 1.5 × 3.0	TF	FC	PH PH	
							O	70.0 × 2.8 × 2.85	3F	ST	CH FE	
31056	2F	1KR-FE J1KR	Vitz, PASSO, BOON			996	3	71.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-40030A
							2	71.0 × 1.0 × 2.3	TF SP	ST	FE FE	13011-40050
							O	71.0 × 1.5 × 2.05	2F	ST	PV FE	13011-40051
												13011-40052
31065	3F	1KR-VE	Produa,Bezza,Toyota Agya Daihatsu Ayla.Toyota Wigo			1,000	3	71.0 × 1.0 × 2.3	BF	ST	NT NT	13011-BZ150
							2	71.0 × 1.0 × 2.3	TF	ST	FE FE	
							O	71.0 × 2.0 × 2.2	3F	ST	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
31066	3F	14M-1KR				3	T	71.0 × 1.2 × 2.3	BF			ST	NT	NT	13011-40070
							2	71.0 × 1.0 × 2.3	TF			ST	FE	FE	
							O	71.0 × 2.0 × 2.2	3F			ST	NT	NT	
31067	3FAC	16M-18DX			998	3	T	71.0 × 1.2 × 2.3	BF BT			ST	PV	NT	13011-BZ161-001
							2	71.0 × 1.0 × 2.3	TF SP			ST	CH	FE	
							O	71.0 × 2.0 × 2.25	3F			ST	PV		
31024	3F	L40	Fellow MAX L40		547	2	T	71.6 × 1.5 × 3.0	BF			FC	CH	PH	13011-87709
		AB10	Cuore L55,SS11				2	71.6 × 1.5 × 3.0	TF SP			FC	PH	PH	13011-87710
		AB20	Mira Cuore Wide Cab S60				O	71.6 × 2.8 × 2.75	3F			ST	CH	FE	13011-87714
		AB30	Hi-jet Atrai Fronte												13011-87701
															13011-87702
31051	3F	D02X	XENIA		1,300	4	T	72.0 × 1.2 × 2.3	BF			ST	NT	NT	13011-BZ010-B
							2	72.0 × 1.2 × 2.6	TF SP			FC	PH	PH	
							O	72.0 × 2.0 × 2.25	3F			ST	NT		
31052	3F	D02X	XENIA		1,300	4	T	72.0 × 1.2 × 2.3	BF			ST	NT	NT	13011-BZ010-B
							2	72.0 × 1.2 × 2.6	TF SP			FC	PH	PH	
							O	72.0 × 2.0 × 2.25	3F			ST	NT		
31048	3F	EJ	Storia,M100s,M110s		989	3	T	72.0 × 1.2 × 2.6	BF BT			ST	CH	PH	13011-97201
							2	72.0 × 1.2 × 2.9	TF SP			FC	PH	PH	13011-97210
							O	72.0 × 2.5 × 2.6	3F			ST	CH	PH	
31059	3F	EJDE	Sirion Storia		1,000	3	T	72.0 × 1.2 × 2.57	BF BT			ST	CH	PH	13011-97202
							2	72.0 × 1.2 × 2.9	TF SP			FC	PH	PH	
							O	72.0 × 2.5 × 2.6	3F			ST	CH	PH	
31061	3F	EJ-VE				3	T	72.0 × 1.2 × 2.5	BF BT			ST	NT	NT	13011-BZ020-B
							2	72.0 × 1.2 × 2.3	TF SP			ST	FE	FE	
							O	72.0 × 2.0 × 2.25	3F			ST	NT		
31049	3F	K3	Storia,Hi-jet,Terios		1,300	4	T	72.0 × 1.2 × 2.6	BF BT			ST	CH	PH	13011-97401
							2	72.0 × 1.2 × 2.6	TF SP			FC	PH	PH	13011-97404
							O	72.0 × 2.0 × 2.25	3F			ST	CH	PH	13013-B1010
31060	2F	2SZ	Vitz, Belta, Ractis		1,296	4	T	72.0 × 1.0 × 2.3	BF BT			ST	CH	FE	13011-23070
							2	72.0 × 1.0 × 2.3	TF SP			ST	FE	FE	13011-23073
							O	72.0 × 1.5 × 2.05	2F			ST	PV	FE	
31055	3F	3SZ-VE	XENIA(DAIHATSU)		1,500	4	T	72.0 × 1.2 × 2.5	BF BT			ST	NT	NT	13011-BZ110
			AVANZA(TOYOTA)				2	72.0 × 1.2 × 2.3	TF SP			ST	FE	FE	13011-BZ040
							O	72.0 × 2.0 × 2.25	3F			ST	NT		13011-B1020
31028	3F	CB10	Charade G10		993	3	T	76.0 × 1.5 × 3.2	BF			FC	CH	PH	13011-87703
							2	76.0 × 1.5 × 3.1	TF			FC	PH	PH	13011-87704
							O	76.0 × 2.8 × 2.75	3F			ST	CH	PH	13011-87708
31038	3FBC	CB20	Charade G10		993	3	T	76.0 × 1.5 × 3.2	BF			FC	CH	PH	13011-87718
		CB50	TURBO				2	76.0 × 1.5 × 3.1	TF			FC	PH	PH	
							O	76.0 × 2.8 × 2.9	3F			ST	CH	FE	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
31037	3FAC	CB90 S88	Charade		1,000	3	T	76.0 × 1.5 × 2.95	BF	BT	ST	NT	NT	13011-87727	
							2	76.0 × 1.5 × 3.05	TF	FC	CH	PH			
							O	76.0 × 2.8 × 2.6	3F	ST	NT	NT			
31035	3F	HC	Charade G102S,G112S		1,295	4	T	76.0 × 1.2 × 2.9	BF	BT	ST	CH	FE	13011-87105	
							2	76.0 × 1.5 × 3.1	TF	FC	PH	PH	13011-87108		
							O	76.0 × 3.0 × 2.8	3F	ST	NT	NT			
31036	3F	HD	Feroza		1,589	4	T	76.0 × 1.2 × 2.75	BF	BT	ST	NT	NT	13011-87107	
			Charade				2	76.0 × 1.5 × 3.1	TF	FC	PH	PH	13011-87106		
							O	76.0 × 3.0 × 2.8	3F	ST	NT	NT	13011-87109		
													13011-87110		
													13011-87111		
31045	3F	HD(NEW)	Applause,Pyzar,A101s		1,589	4	T	76.0 × 1.2 × 2.75	BF	BT	ST	NT	NT	13011-87112	
							2	76.0 × 1.5 × 3.2	TF	SP	FC	PH	PH		
							O	76.0 × 3.0 × 2.5	3F	ST	NT	NT			
31031	2FACBC	CL CL10	Charade		993	3	T	76.0 × 2.0 × 3.2	HK	BF	FD	CH	PH	13011-87717	
	DIESEL		Diesel/G30				2	76.0 × 1.5 × 3.1	TF	FD	CH	PH	13011-87723A		
							O	76.0 × 3.0 × 3.55	2F	ST	CH	FE			
31043	2FAC	CL(NEW)	Charade(Diesel)		1,000	3	T	76.0 × 2.0 × 2.95	HK	BF	ST	NT	NT	13011-87721	
	DIESEL						2	76.0 × 1.5 × 3.1	TF	FD	CH	PH			
							O	76.0 × 3.0 × 3.55	3F	ST	CH	FE			
31022	2F	DG(OLD)	Truck		2,530	4	T	88.0 × 2.0 × 3.8	BF		FD	CH	PH	992-5113-1410-00	
	DIESEL		DV26,SV37				2	88.0 × 2.0 × 3.8	TF	FC	PH	PH			
							3	88.0 × 2.0 × 3.5	TF	SP	FC	PH	PH		
							O	88.0 × 4.0 × 3.7	2F	FC	CH	PH			
							O	88.0 × 4.0 × 3.8	1F	FC	PH	PH			
31026	DW	DG(NEW)	Delta,Light Bus		2,530	4	T	88.0 × 2.5 × 3.8	BF	BT	FC	CH	PH	13011-87305	
	DIESEL		V20,21,22,23,24,26				2	88.0 × 2.0 × 3.8	TF	FC	PH	PH	13011-87306		
							O	88.0 × 4.0 × 4.1	2F	FC	CH	PH	13011-87307		
													13011-87308		
31030	2FACBC	DL	Taft 4 Wheel-DriveF50		2,765	4	T	92.0 × 2.5 × 3.8	BF		FC	CH	PH	13011-87310	
	DIESEL		HU25,Taft Delta				2	92.0 × 2.0 × 3.8	TF	FC	CH	PH	13011-87311		
							O	92.0 × 4.0 × 4.25	2F	ST	CH	FE	13011-87312		
													13011-87313		
														13011-87320	
31032	2FAC	DL-T F70V	Taft Delta		2,765	4	T	92.0 × 2.5 × 3.8	HK	BF	FD	CH	PH	13011-87314A	
	DIESEL						2	92.0 × 2.0 × 3.8	TF	BT	FC	CH	PH	13011-87317	
							O	92.0 × 4.0 × 4.25	2F	ST	CH	FE			
31046	2FAC	DL-2	Taft Delta		2,765	4	T	92.0 × 2.5 × 3.6	BF		FD	CH	PH	13011-87321	
	DIESEL						2	92.0 × 2.0 × 3.8	TF	FC	CH	PH			
							O	92.0 × 4.0 × 4.25	2F	ST	CH	FE			

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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HINO

32211	PS DIESEL	DM100	Truck		4,313	6	T	90.0 × 2.5 × 3.7	TF	FC	CH PH	3352-193901
			KM300,310,320,330				2	90.0 × 2.5 × 3.7	TF	FC	PH PH	3352-120507
			340,350,410,450				3	90.0 × 2.5 × 3.7	TF SP	FC	PH PH	13011-1350A
			Bus				O	90.0 × 4.0 × 3.7	1F	FC	CH PH	
			BM320,RM100				O	90.0 × 4.0 × 3.7	1F	FC	PH PH	
			Tractor HM300,HM301									
32203	PS DIESEL	DQ100 DQ92	Truck		4,507	6	T	92.0 × 2.5 × 3.9	TF	FC	CH PH	13011-1360A
			KM500,510,520D,540				2	92.0 × 2.5 × 3.9	TF	FC	PH PH	
			KL501,521D,541,561				3	92.0 × 2.5 × 3.9	TF SP	FC	PH PH	
			KQ500,520D,540,560				O	92.0 × 4.0 × 3.9	1F	FC	CH PH	
							O	92.0 × 4.0 × 3.9	1F	FC	PH PH	
32204	PS DIESEL	EC100	Truck		5,010	6	T	97.0 × 2.5 × 4.2	BF	FD	CH PH	13011-1400
			KL300,321,340,360,387				2	97.0 × 2.5 × 4.3	TF ST	FC	PH PH	13011-1390
			340K,360K,WB310				3	97.0 × 2.5 × 4.3	SF SP	FC	PH PH	13019-1140A(cyl)
			Bus				O	97.0 × 4.0 × 4.3	1F	FD	CH PH	
			RL100,AM100,200				O	97.0 × 4.0 × 4.3	1F	FC	PH PH	
			Tractor HL300,KJ300									
32258	2F DIESEL	N04,W04D	Ranger		4,009	4	T	104.0 × 2.5 × 3.75	BF	ST	NT NT	13011-78060
			Dutro				2	104.0 × 2.0 × 4.3	TF	FC	PH PH	
			Liesse				O	104.0 × 4.0 × 4.3	2F	ST	NT NT	
32304	2FAC DIESEL	N04C	Dutro		4,009	4	T	104.0 × 2.5 × 3.75	BF	ST	PT NT	S1304-E0020
							2	104.0 × 2.0 × 3.7	TF	ST	NT NT	
							O	104.0 × 4.0 × 4.3	2F	ST	NT NT	
32296	2F DIESEL	N04C/W04D				4	T	104.0 × 2.806 × 3.7	K BF	FD	CH PH	13011-78220
							2	104.0 × 2.0 × 4.3	TF	FC	PH PH	
							O	104.0 × 4.0 × 4.3	2F	ST	NT NT	
32277 1cyl/set	2FAC DIESEL	W04C-T	Bus		3,839	4	T	104.0 × 2.806 × 4.1	K BF	FD	CH PH	S1304-E0240
			Rainbow				2	104.0 × 2.5 × 4.3	TF ST	FD	CH PH	13011-2270A
			RB145				O	104.0 × 5.0 × 4.55	2F	ST	CH FE	13011-2270C 13011-2550B 13019-1160A(cyl)
32286 1cyl/set	2FAC DIESEL	W04C-TI	Rainbow		3,839	4	T	104.0 × 2.806 × 4.1	K BF	FD	CH PH	S1304-E170
							2	104.0 × 2.5 × 4.3	TF ST	FD	CH PH	13011-2891A
							O	104.0 × 4.0 × 4.55	2F	ST	NT NT	13019-1180A(cyl)
32235	2F DIESEL	W04D	Ranger KM,FB112		4,009	4	T	104.0 × 2.5 × 4.3	BF	FD	CH PH	13011-1973
							2	104.0 × 2.0 × 4.3	TF ST	FC	PH PH	13011-2540
							O	104.0 × 5.0 × 5.1	2F	FD	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32287 1cyl/set	2F DIESEL	W04D-J	Dutro		4,009	4	T	104.0 × 2.5 × 3.75	BF			ST	NT	NT	S1304-E0060
			Ranger				2	104.0 × 2.0 × 4.3	TF			FC	PH	PH	13011-3950A
			Liesse				O	104.0 × 4.0 × 4.2	2F			ST	NT	NT	13019-1190A(cyl)
32236	2F DIESEL	W06D	Rainbow AC,FC142		5,759	6	T	104.0 × 2.5 × 4.3	BF			FD	CH	PH	13011-1983
							2	104.0 × 2.0 × 4.3	TF ST			FC	PH	PH	13011-2420
							O	104.0 × 5.0 × 5.1	2F			FD	CH	PH	13011-2440
32273 1cyl/set	2F DIESEL	W04D W06D	Ranger KM,FB112		4,009	4	T	104.0 × 2.5 × 4.3	BF			FD	CH	PH	13011-1973
			HE526,HH541,TC562,WP330		5,759	6	2	104.0 × 2.0 × 4.3	TF ST			FC	PH	PH	13011-2540
							O	104.0 × 5.0 × 5.1	2F			FD	CH	PH	13011-1983
															13011-2420 13011-2440
32201	PS DIESEL	DS70 DS90	Truck		7,014	6	T	105.0 × 3.0 × 4.2	TF			FC	CH	PH	13011-1210
			TE11,61,100,KL300,KL320				2	105.0 × 3.0 × 4.2	TF			FC	PH	PH	13011-1550A
			Bus				3	105.0 × 3.0 × 4.2	TF SP			FC	PH	PH	
			RD100,120,BK11,BT10,30				O	105.0 × 4.5 × 4.2	1F	1F		FC	CH	PH	
			Tractor				O	105.0 × 4.5 × 4.2	1F	1F		FC	PH	PH	
32222	PSBC DIESEL	EH100	Truck		5,871	6	T	105.0 × 2.5 × 4.3	BF			FD	CH	PH	13011-1150
			BH15,KL500,520,540				2	105.0 × 2.5 × 4.3	TF ST			FC	PH	PH	13011-1410
			560,580,600,620,640				3	105.0 × 2.5 × 4.3	TF SP			FC	PH	PH	
			KR320,360,WB311,321				O	105.0 × 4.0 × 4.3	1F			FD	CH	PH	
			Bus				O	105.0 × 4.0 × 4.3	1F			FC	PH	PH	
			BX320,AM101												
32206	2F3PS DIESEL	EH300	Truck		6,211	6	T	108.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-1032A
			KR301,321,361,KL501				2	108.0 × 2.5 × 4.5	TF ST			FC	CH	PH	13011-1062
			KJ501,KU580				O	108.0 × 5.0 × 3.1	2F			FC	CH	PH	
			Bus				O	108.0 × 4.0 × 4.85	1F			FC	PH	PH	
			RD300,RL300,320												
32255	2FAC DIESEL	H06C-T	Ranger		6,485	6	T	108.0 × 2.806 × 4.5	K	BF		FD	CH	PH	13011-3520
							2	108.0 × 2.0 × 4.5	TF ST			FD	CH	PH	
							3	108.0 × 2.0 × 4.5	TF SP			FD	CH	PH	
							O	108.0 × 4.0 × 4.25	2F			ST	CH	FE	
32237	2F DIESEL	H06C-TA	Ranger FD		6,485	6	T	108.0 × 2.806 × 4.5	K	BF		FD	CH	PH	13011-1961
							2	108.0 × 2.5 × 4.5	TF ST			FC	PH	PH	
							3	108.0 × 2.5 × 4.5	TF SP			FD	CH	PH	
							O	108.0 × 5.0 × 4.65	2F			FD	CH	PH	
32261	2FAC DIESEL	H06C-TI	Ranger		6,485	6	T	108.0 × 2.806 × 4.5	K	BF		FD	CH	PH	13011-3281A
							2	108.0 × 2.5 × 4.5	TF ST			FC	PH	PH	
							3	108.0 × 2.5 × 4.5	TF SP			FC	CH	PH	
							O	108.0 × 4.0 × 4.25	2F			ST	CH	FE	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32202	PS DIESEL	DS50 DS60 DS80	Truck		7,982	6	T	110.0 × 3.0 × 4.5	TF			FC	CH	PH	13011-1230
			TA14,14D,TC51				2	110.0 × 3.0 × 4.5	TF			FC	PH	PH	13011-1250
			TH17,61,80,320,340D				3	110.0 × 3.0 × 4.5	TF	SP		FC	PH	PH	13011-1261
			ZC34D,44D,ZH12D				O	110.0 × 4.5 × 4.5	1F			FC	CH	PH	13011-1650
			Bus				O	110.0 × 4.5 × 4.5	1F			FC	PH	PH	13011-1680
			BD15,15P,35,35P												13011-1830
			BG13,BG13,BH15												
			BT51,71,100H												
			RB10,10P,120,120P												
32239	2F3PS DIESEL	EH700 H07C	Ranger FD174,175,176		6,443	6	T	110.0 × 3.0 × 4.1	BF			ST	CH		13011-1610B
			Ranger 4D,5D,7D				2	110.0 × 2.5 × 4.5	TF	ST		FC	PH	PH	13011-1620A
			Truck				3	110.0 × 2.5 × 4.5	TF	SP		FC	CH	PH	13011-2070A
			KL525,545,555,565,585				O	110.0 × 5.0 × 4.75	2F			ST	NT	NT	13011-2090
			KR305,325,365,LB595												
			FD171,172,174,175,176												
32247	2FAC DIESEL	H07C-T	Truck		6,728	6	T	110.0 × 2.81 × 3.9	K	BF		ST	NT	NT	13011-2672
			FD, FG, SD, RR				2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	13011-2671
							3	110.0 × 2.5 × 4.5	TF	SP		FC	CH	PH	
							O	110.0 × 4.0 × 4.2	2F			ST	NT	NT	
32256	2FAC DIESEL	H07C-T-N	Truck		6,728	6	T	110.0 × 2.81 × 3.9	K	BF		ST	NT	NT	
			FD,FG,SD,RR				2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	
							3	110.0 × 2.0 × 4.1	TF			ST	NT	NT	
							O	110.0 × 3.0 × 3.6	2F			ST	NT	NT	
32262	2FAC DIESEL	H07C-T2	Ranger		6,728	6	T	110.0 × 2.81 × 3.9	K	BF		ST	NT	NT	13011-3470A
							2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	13011-3510A
							3	110.0 × 2.0 × 4.1	TF			ST	NT	NT	
							O	110.0 × 4.0 × 4.2	2F			ST	NT	NT	
32254	2FAC DIESEL	H07D	Ranger		7,412	6	T	110.0 × 3.0 × 4.1	BF			ST	CH	PH	13011-2651
			FD,FG,GD				2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	13011-2650
							O	110.0 × 4.0 × 4.2	2F			ST	NT	NT	13011-2660
32301	2FAC DIESEL	H07D-2				6	T	110.0 × 3.0 × 4.35	BF			FD	CH	CH	13011-2651
							2	110.0 × 2.0 × 4.5	TF	ST		FD	CH	CH	
							O	110.0 × 4.0 × 4.25	2F			ST	CH	FE	
32272	2FAC DIESEL	J05D-TB	Ranger		5,000	4	T	112.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-E190
							2	112.0 × 2.0 × 4.1	TF			ST	NT	NT	S1304-E0150(cyl)
							O	112.0 × 4.0 × 4.1	2F			ST	NT	NT	
32297 1cyl/set	2FAC DIESEL	J05D-TB	Ranger		5,000	4	T	112.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-E190
							2	112.0 × 2.0 × 4.1	TF			ST	NT	NT	S1304-E0150(cyl)
							O	112.0 × 4.0 × 4.1	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32295	2FAC	J08ET	Ranger		7,684	6	T	112.0 × 2.5 × 4.1	BF			ST	NT	NT	S1301-92080
	2						112.0 × 2.0 × 4.1	TF			ST	NT	NT		
	O						112.0 × 4.0 × 4.1	2F			ST	NT	NT		
32284	2FAC	YL86				4	T	112.0 × 2.94 × 4.1	K	BF	FD	CH	PH	13011-E0120	
	2						112.0 × 2.0 × 4.1	TF			ST	NT	NT	S1304-E0070(cyl)	
	O						112.0 × 4.0 × 4.1	2F			ST	NT	NT		
32271	2FAC	J05C	Ranger, Dutro		5,307	4	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-3880A
	Melpha, Liesse		TF				ST	NT	NT	13011-3940A					
	2F						ST	NT	NT	13019-1010B(cyl)					
										S1304-E0210					
										13011-3221A					
32298	2FAC	J05C	Ranger, Dutro		5,307	4	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-3880A
	Melpha, Liesse		TF				ST	NT	NT	13011-3940A					
	2F						ST	NT	NT	13019-1010B(cyl)					
										S1304-E0210					
										13011-3221A					
32270	2FAC	J05C-3	Ranger, Dutro		5,307	4	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-3391B
	Melpha, Liesse		TF				ST	NT	NT	13019-1380A(cyl)					
	2F						ST	NT	NT						
32269	2FAC	J07C-3	Ranger		6,634	5	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-3371B
	TF						ST	NT	NT	13011-3371A					
	2F						ST	NT	NT	13019-1380A(cyl)					
32300	2FAC	J08C-5				6	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-2960
	2						114.0 × 2.0 × 4.1	TF			ST	NT	NT		
	O						114.0 × 4.0 × 4.1	2F			ST	NT	NT		
32302	2FAC	J08C-5				6	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-2960
	2						114.0 × 2.0 × 4.1	TF			ST	NT	NT		
	O						114.0 × 4.0 × 4.1	2F			ST	NT	NT		
32263	2FAC	J08C	Selega		7,961	6	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-3570A
	Ranger		TF				ST	NT	NT	13011-3820A					
	Rainbow		2F				ST	NT	NT	13011-3890B					
32268	2FAC	J08C-3	Selega		7,961	6	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-2960A
	Ranger		TF				ST	NT	NT	13011-2961A					
	Rainbow		2F				ST	NT	NT	13011-2962A					
32294	2FAC	J08C-4				6	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	S1304-E0040
	2						114.0 × 2.0 × 4.1	TF			ST	NT	NT		
	O						114.0 × 4.0 × 4.2	2F			ST	NT	NT		

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
32259	2FAC DIESEL	S05C			5,307	4	T	114.0 × 2.5 × 4.1	BF	ST	NT NT	13011-3731A
							2	114.0 × 2.0 × 4.1	TF BT	ST	NT NT	13011-78031
							O	114.0 × 4.0 × 4.15	2F	ST	NT NT	
32285	2FAC DIESEL	S05D				4	T	114.0 × 2.5 × 4.1	BF	ST	NT NT	S1301-14070-B
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	S1301-91910-B(cyl)
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	
32215	PS DIESEL	EB100	Truck		9,036	6	T	115.0 × 3.5 × 4.7	TF	FD	CH PH	13011-1300
			KB100D,120,300D,320				2	115.0 × 3.0 × 4.6	TF	FC	PH PH	13011-1310
		EB200	340,360,380				3	115.0 × 3.0 × 4.6	TF SP	FC	PH PH	13011-1690
			Bus				O	115.0 × 5.0 × 4.6	1F	FD	CH PH	13011-1780
			RE100,100P,120,120P,140				O	115.0 × 5.0 × 4.6	1F	FC	PH PH	
32230	2F DIESEL	EL100	Truck		7,862	6	T	116.0 × 3.0 × 4.8	BF	FD	CH PH	13011-1700
			FG185,LB760				2	116.0 × 2.5 × 4.8	TF ST	FC	PH PH	13011-1710
							3	116.0 × 2.5 × 4.8	TF SP	FC	CH PH	
							O	116.0 × 5.0 × 4.65	2F	FC	CH PH	
32208	DW DIESEL	DK10,20 (OLD) (NEW) (TURBO)	Truck		10,178	6	T	120.0 × 3.5 × 4.6	BF	FD	CH PH	3311-1205-05
			BG100,TC301,311,321				2	120.0 × 3.5 × 4.6	TF ST	FC	PH PH	13011-1200
			KA300,KF700,ZM100D,700				3	120.0 × 3.5 × 4.6	TF SP	FC	PH PH	13011-1270
			Bus				O	120.0 × 5.0 × 4.55	2F	FC	CH PH	13011-1280A
			RC300,300P,320,320P				O	120.0 × 5.0 × 4.6	1F	FD	CH PH	13011-1290
			Tractor HE100,HF300,301,HH700 720									
32217	2FPS DIESEL	EB300	Truck		9,838	6	T	120.0 × 3.5 × 4.6	BF	FD	CH PH	13011-1330
			KB112D,113D,122,303D				2	120.0 × 3.5 × 4.6	TF ST	FC	PH PH	13011-1720
			313,314,322,342				3	120.0 × 3.5 × 4.6	TF SP	FC	PH PH	13011-1730A
			362,382,383,392,720				O	120.0 × 6.0 × 5.3	2F	FC	CH PH	3334-1205-09
			BG100,HE320,KH120									
			KB112D,304D,394,721 ZT300,320 Bus RF300,320,400,420									
32231	2F DIESEL	EB400	Bus		9,838	6	T	120.0 × 3.306 × 4.6	K BF	FD	CH PH	13011-1630
			RE101,121,141,161,201				2	120.0 × 3.0 × 4.6	TF ST	FC	PH PH	13011-1640A
							3	120.0 × 3.0 × 4.6	TF SP	FC	CH PH	
							O	120.0 × 6.0 × 5.5	2F	FC	CH PH	
32282	2FAC DIESEL	EP100	Super Dolphin		8,821	6	T	120.0 × 3.306 × 4.8	K BF	FD	CH PH	13011-2760
			FN288				2	120.0 × 2.806 × 4.8	K TF	FD	CH PH	13011-1952
			11.5ton				3	120.0 × 2.5 × 4.8	TF SP	FC	CH PH	
							O	120.0 × 5.0 × 4.6	2F	ST	CH FE	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32264	2FAC DIESEL	P11C P11B-TI YF67 YK15 YJ70	Blue Ribbon		10,520	6	T	122.0 × 3.306 × 4.4	K	BF		FD	CH	PH	13011-3110A
			Super Dolphin				2	122.0 × 2.306 × 4.8	K	TF		FC	CH	PH	13011-3111A
			Profia				3	122.0 × 2.0 × 4.8		TF	SP	FC	CH	PH	13011-3112A
							O	122.0 × 4.0 × 4.65	2F			ST	NT	NT	13011-3114A
															13011-3114B
															13011-3114C
															13011-3800A
															13011-3810A
															13011-3811A
															13011-3830A
															13011-3870A
															13011-3870A
															13019-1030B(cyl)
															13019-1510A
															13019-1520A(cyl)
32283	2FAC DIESEL	EM100	Super Dolphin		9,419	6	T	124.0 × 2.806 × 5.0	K	BF		FD	CH	PH	13011-1921A
							2	124.0 × 2.5 × 5.0		TF	ST	FC	CH	PH	13011-1931
							3	124.0 × 3.0 × 5.0		TF	SP	FC	CH	PH	13019-1540A(cyl)
							O	124.0 × 5.0 × 5.05	2F			ST	CH	FE	
32275	2FAC DIESEL	M10-U	Blue ribon HU		9,880	6	T	127.0 × 3.306 × 5.2	K	BF		FD	CH	PH	13011-2870
							2	127.0 × 3.0 × 5.0		TF	ST	FC	CH	PH	13011-2250
							3	127.0 × 3.0 × 5.2		TF	SP	FC	CH	PH	
							O	127.0 × 5.0 × 5.3	2F			ST	CH	FE	
32218	2FPS DIESEL	ED100	Truck		11,581	6	T	128.0 × 3.5 × 4.8		BF		FD	CH	PH	13011-1470
			KB500,8G150D,ZM102				2	128.0 × 3.5 × 4.8		TF	ST	FC	PH	PH	13011-1480
			KF300D,320,340,355				3	128.0 × 3.5 × 4.8		TF	SP	FC	PH	PH	13011-1660
			360,365,380,385,390				O	128.0 × 6.0 × 5.5	2F			FC	CH	PH	13011-1670A
			TC302,322,342,362,382,921												3400-1205-09
32219	2FPS DIESEL	EF100 EF100T	Truck		13,804	8	T	130.0 × 3.306 × 5.2	K	BF		FD	CH	PH	13011-1180A
			HE340,345,346				2	130.0 × 3.5 × 5.4		TF	ST	FC	PH	PH	13011-1570A
			TC701D,721,741,761,781				3	130.0 × 3.5 × 5.4		TF	SP	FC	PH	PH	13011-1580
			KF702S,722,742,762,765				O	130.0 × 6.0 × 5.1	2F			FC	CH	PH	13011-1590
			782,785,792												3391-1205-04
			ZM102D,301D,341,703D												
			743,763												
			KA340,KF701D,HH340												
			HK340												
			Bus												
			RV730P,750P												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
32225	2F3PS	EF300	Truck		14,232	8	T	132.0 × 3.3 × 5.2	K BF	FD	CH PH	13011-1091A,B
	DIESEL	EF350	KF703D,704,706,746,766				2	132.0 × 3.5 × 5.4	TF ST	FC	PH PH	13011-1100
			767,783,786,796,798				3	132.0 × 3.5 × 5.4	TF SP	FC	CH PH	13011-1101
			KS341,TC702D				O	132.0 × 6.0 × 5.4	2F	FC	CH PH	
			ZM704D,705D,745,764,765									
32220	2FPS	EG100	Truck		14,886	8	T	135.0 × 3.306 × 5.4	K BF	FD	CH PH	13011-1131B
	DIESEL	EF500	KB500D,KS320,HE330		15,459		2	135.0 × 3.5 × 5.4	TF ST	FC	PH PH	13011-1141
			350,355				3	135.0 × 3.5 × 5.4	TF SP	FC	PH PH	13011-1142
			TC541,561,921,WB300				O	135.0 × 6.0 × 5.1	2F	FC	CH PH	13011-1460
			ZM500D,540,560,580									13011-2150
32251	2FAC	K13C	Truck		12,882	6	T	135.0 × 3.306 × 5.4	K BF	FD	CH PH	13011-2410
	DIESEL		FS,FR,FN				2	135.0 × 3.5 × 5.4	TF ST	FD	CH CH	13019-1580A
							3	135.0 × 3.5 × 5.4	TF SP	FC	CH PH	
							O	135.0 × 6.0 × 5.55	2F	ST	CH FE	
32250	2FAC	K13C-TE	Truck		12,882	6	T	135.0 × 3.306 × 5.4	K BF	FD	CH PH	13011-3590
	DIESEL		FS,FR,FN				2	135.0 × 3.5 × 5.4	TF BT	FD	CH CH	
							3	135.0 × 3.5 × 5.4	TF SP	FC	CH PH	
							O	135.0 × 5.0 × 5.05	2F	ST	CH FE	
32306	2F	E13C	S'elega,Profia		12,913	6	T	137.0 × 3.306 × 4.35	K BF	ST	PV NT	S1304-E0090
	DIESEL						2	137.0 × 2.814 × 4.9	K TF BT	ST	NT NT	
							3	137.0 × 2.5 × 4.5	TF SP	ST	NT NT	
							O	137.0 × 4.0 × 4.4	2F	ST	NT NT	
32226	2F	EK100	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K BF	FD	CH PH	13011-1010
	DIESEL	EK130T	KB501D,KF301,391				2	137.0 × 3.5 × 5.4	TF ST	FC	PH PH	13011-1011
			KS321,341,391				3	137.0 × 3.5 × 5.4	TF SP	FC	CH PH	13011-1021B
			TC303D,343,362,363,383,922				O	137.0 × 6.0 × 5.45	2F	FC	CH PH	13011-1610A(cyl)
			ZC101,121,ZM303,ZR255									13011-2210A
32292	2F	EK100	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K BF	FD	CH PH	13011-1010
	1cyl/set	DIESEL	KB501D,KF301,391			8	2	137.0 × 3.5 × 5.4	TF ST	FC	PH PH	13011-1011
			KS321,341,391				3	137.0 × 3.5 × 5.4	TF SP	FC	CH PH	13011-1021B
			TC303D,343,362,363,383,922				O	137.0 × 6.0 × 5.45	2F	FC	CH PH	13011-1610A(cyl)
			ZC101,121,ZM303,ZR255									13011-2210A
			WD300									13011-2221A
												13011-3750B

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32227	2F	EF700	Truck		15,920	8	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1111
	DIESEL	EF750	HE366,HH341,TC562				2	137.0 × 3.5 × 5.4		TF	ST	FC	PH	PH	13011-1121B
			ZM500,940				3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-1122
							O	137.0 × 6.0 × 5.4	2F			FC	CH	PH	13011-2170B
															13011-2180
32233	2F	EV700	Truck		19,900	10	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1740
	1cyl/set DIESEL		HE526,HH541,TC562,WP330				2	137.0 × 3.5 × 5.4		TF	ST	FC	PH	PH	13011-1741
							3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-1751
							O	137.0 × 6.0 × 5.4	2F			FC	CH	PH	13011-2200A
															13019-1610A(cyl)
32253	2FAC	K13D	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2970
	DIESEL						2	137.0 × 3.5 × 5.4		TF	ST	FD	CH	PH	13011-2990
							3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-2991
							O	137.0 × 5.0 × 5.34	2F			ST	CH	FE	
32293	2FAC	K13D	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2970
	1cyl/set DIESEL	F17D	FS,FR,FN			8	2	137.0 × 3.5 × 5.4		TF	ST	FD	CH	PH	13011-2990
							3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-2991
							O	137.0 × 5.0 × 5.34	2F			ST	CH	FE	
32248	2FAC	F17C	FS,FR,RU		17,238	8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-3150
	DIESEL	F17E	FN,FW,SH				2	139.0 × 3.5 × 5.5		TF	ST	FD	CH	PH	13011-2810
							3	139.0 × 3.5 × 5.5		TF	SP	FC	CH	PH	13011-2820
							O	139.0 × 5.0 × 5.1	2F			ST	CH	FE	13011-3160
															13019-1700A
32279	2FAC	F17C	FS,FR,RU		17,238	8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-3150
	1cyl/set DIESEL	F17E	FN,FW,SH				2	139.0 × 3.5 × 5.5		TF	ST	FD	CH	PH	13011-2810
							3	139.0 × 3.5 × 5.5		TF	SP	FC	CH	PH	13011-2820
							O	139.0 × 5.0 × 5.1	2F			ST	CH	FE	13011-3160
															13019-1700A
32274	2FAC	F17-2				8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	AA92A-11120
	DIESEL						2	139.0 × 3.5 × 5.5		TF	ST	FD	CH	PH	
							3	139.0 × 3.5 × 5.5		TF	SP	FC	CH	PH	
							O	139.0 × 4.0 × 4.3	2F			ST	NT	NT	
32252	2FAC	F20C	Truck		19,688	8	T	146.0 × 3.306 × 5.6	K	BF		FD	CH	PH	13011-2792
	DIESEL		FS,FR,FO,FN,FW				2	146.0 × 3.5 × 5.6		TF	ST	FD	CH	PH	
			FY,SH,RU				3	146.0 × 3.5 × 5.7		TF	SP	FC	CH	PH	
							O	146.0 × 5.0 × 5.05	2F			ST	CH	FE	
32267	2FAC	F20C	Super Dolpin		19,688	8	T	146.0 × 3.306 × 5.6	K	BF		FD	CH	PH	13011-2792A
	1cyl/set DIESEL	V25C	PROFIA : SS		24,610	10	2	146.0 × 3.5 × 5.6		TF	ST	FD	CH	PH	13011-2980A
							3	146.0 × 3.5 × 5.7		TF	SP	FC	CH	PH	13011-2981A
							O	146.0 × 5.0 × 5.05	2F			ST	CH	FE	13011-3250A
															13019-1710A(cyl)

TPR CO.,LTD.

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
32405	3F	E07A				3	T	66.0 × 1.0 × 2.6	BF BT	ST	CH FE	13011-P36-003
							2	66.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	66.0 × 2.8 × 2.55	3F	ST	CH PH	
32401	3F	E07Z				3	T	66.0 × 1.2 × 2.3	BF	ST	CH FE	13011-PDF-004
							2	66.0 × 1.2 × 2.8	TF	FC	PH PH	
							O	66.0 × 2.8 × 2.55	3F	ST	CH PH	
32408	3F	PFB	ACTY			3	T	66.0 × 1.2 × 2.3	BF BT	ST	NT NT	13011-PFB-003
							2	66.0 × 1.2 × 2.6	TF	FC	PH PH	13011-PFB-J01
							O	66.0 × 2.8 × 2.55	3F	ST	CH PH	
32425	3F	ER	City,Jazz		1,231	4	T	66.0 × 1.0 × 2.6	BF	ST	CH FE	13011-PC0-004
							2	66.0 × 1.2 × 2.9	TF	FC	PH PH	13011-PC0-005
							O	66.0 × 2.8 × 2.65	3F	ST	CH PH	
32409	3F	PZ3	ACTY			3	T	66.0 × 1.2 × 2.4	BF BT	ST	CH PH	13011-PZ3-003
							2	66.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	66.0 × 2.8 × 2.5	3F	ST	CH PH	
32345	3F	EB1	CIVIC 1200 EB1,SB1 New CIVIC		1,169	4	T	70.0 × 1.5 × 2.8	TF	FC	CH PH	13011-634-003/cyl
							2	70.0 × 1.5 × 2.8	TF	FC	PH PH	13011-634-004/cyl
							O	70.0 × 2.8 × 2.95	3F	ST	CH PH	13011-634-013/cyl 13011-634-305/cyl
32363	3F	EB3	New CIVIC 1200		1,169	4	T	70.0 × 1.5 × 3.0	BF	FC	CH PH	13011-634-631/cyl
							2	70.0 × 1.5 × 3.1	TF	FC	PH PH	13011-PB0-004/cyl
							O	70.0 × 4.0 × 3.25	3F	ST	CH PH	
32346	3F	EB5	145 Coupe CD,H1400		1,433	4	T	72.0 × 1.5 × 3.4	TF	FC	CH PH	13011-642-003/cyl
							2	72.0 × 1.5 × 3.4	TF	FC	PH PH	13011-642-004/cyl
							O	72.0 × 2.8 × 2.95	3F	ST	CH FE	13011-642-305/cyl
32358	3F	EH	TN-Acty,Acty-Van VD,TA,TB		545	2	T	72.0 × 1.5 × 3.2	TF	FC	CH PH	13011-679-014/cyl
							2	72.0 × 1.5 × 3.3	TF	FC	PH PH	13011-679-621/cyl
							O	72.0 × 4.0 × 3.25	3F	ST	CH PH	
32355	3F	EJ EN	CIVIC 1200,1300 E-SL,E-SS,PAI,5,L-VE Ballade 1300 CIVIC Van J-VC,SC,SF,SV		1,335 1,335 1,238	4	T	72.0 × 1.5 × 3.3	BF	FD	CH PH	13011-673-000/cyl
							2	72.0 × 1.5 × 3.4	TF	FC	PH PH	13011-695-004/cyl
							O	72.0 × 4.0 × 3.15	3F	ST	CH PH	13011-PA0-004/cyl 13011-PA1-004/cyl 13011-PA5-004/cyl
32359	3F	EJ-2	CIVIC,CIVIC Van Ballade		1,335	4	T	72.0 × 1.0 × 2.8	BF	ST	CH FE	13011-PA5-014/cyl
							2	72.0 × 1.2 × 3.1	TF	FC	PH PH	13011-PA5-024/cyl
							O	72.0 × 2.8 × 2.95	3F	ST	CH FE	13011-PA5-034/cyl
32414	3F	RB1	Fit		1,500	4	T	73.0 × 1.0 × 2.3	BF BT	ST	NT NT	13011-RB1-004
							2	73.0 × 1.0 × 2.3	TF SP	ST	FE FE	
							O	73.0 × 2.0 × 2.15	3F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32397	3FAC	REA	Fit, City		1,300	4	T	73.0 × 1.0 × 2.3	BF	BT		ST	NT	NT	13011-REA-F01/cyl
							2	73.0 × 1.2 × 3.0	TF			FC	CH	PH	
							O	73.0 × 2.8 × 2.6	3F			ST	NT	PH	
32398	3F	REA-2 LDA-MF3	Fit, City		1,300	4	T	73.0 × 1.0 × 2.25	BF	BT		ST	CH	PH	13011-REA-Z01
							2	73.0 × 1.2 × 3.0	TF	SP		FC	PH	PH	13011-PWA-G01
							O	73.0 × 2.0 × 2.2	3F			ST	CH	PH	13011-PWC-J01
32347	3F	EC	CIVIC 1500, SE		1,488	4	T	74.0 × 1.5 × 3.2	TF			FC	CH	PH	13011-657-004/cyl
			CIVIC Van, VB				2	74.0 × 1.5 × 3.2	TF			FC	PH	PH	13011-657-315/cyl
							O	74.0 × 2.8 × 2.95	3F			ST	CH	PH	13011-657-604/cyl
32351	3F	ED	CIVIC 1500, WD		1,488	4	T	74.0 × 1.5 × 3.2	BF			FC	CH	PH	13011-657-670/cyl
		EF	Accord 1600, SJ		1,599		2	74.0 × 1.5 × 3.2	TF			FC	PH	PH	13011-657-673/cyl
		EE	Ballade 1500, SG, SH, ST				O	74.0 × 4.0 × 3.25	3F			ST	CH	PH	13011-657-671/cyl
		EV													13011-671-000/cyl
		EW													13011-671-004/cyl
		EM													13011-PA6-004/cyl
32364	3F	EM-2	CIVIC, PA6		1,488	4	T	74.0 × 1.2 × 2.8	BF			ST	CH	FE	13011-PA6-014/cyl
		EF-2	Ballade 1500				2	74.0 × 1.2 × 3.2	TF			FC	PH	PH	
							O	74.0 × 2.8 × 2.95	3F			ST	CH	PH	
32362	3FAC	EW	CIVIC		1,488	4	T	74.0 × 1.5 × 2.9	BF			FD	CH	PH	13011-PE3-004/cyl
		EV	Ballade		1,342		2	74.0 × 1.5 × 3.2	TF			FC	CH	PH	
							O	74.0 × 4.0 × 3.25	3F			ST	NT	PH	
32407	3F	P04	Partner		1,493	4	T	75.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-P04-G02
		D15B7	Domani				2	75.0 × 1.5 × 3.2	TF			FC	PH	PH	
			CIVIC				O	75.0 × 2.8 × 2.85	3F			ST	CH	PH	
32375	3F	D16	CIVIC		1,600	4	T	75.0 × 1.2 × 2.75	BF			ST	NT	NT	13011-PM0-B02/cyl
		PM0	DOMANI				2	75.0 × 1.5 × 3.2	TF	SP		FC	CH	PH	13011-PM0-B03/cyl
			CR-X				O	75.0 × 4.0 × 2.85	3F			ST	NT	PH	
32430	3F	D16W					T	75.0 × 1.0 × 2.6	BF	BT		ST	CH	PH	13011-PLH-004
							2	75.0 × 1.2 × 3.0	TF			FC	PH	PH	
							O	75.0 × 2.0 × 2.25	3F			ST	CH	PH	
32381	3F	P08	CIVIC		1,500	4	T	75.0 × 1.0 × 2.6	BF	BT		ST	CH	PH	13011-P07-004/cyl
							2	75.0 × 1.2 × 3.0	TF	SP		FC	PH	PH	13011-P08-004/cyl
							O	75.0 × 2.8 × 2.45	3F			ST	CH	PH	
32428	3F	PLD				4	T	75.0 × 1.0 × 2.5	BF			ST	CH	PH	13011-PLD-004
							2	75.0 × 1.0 × 3.0	TF	SP		FC	PH	PH	
							O	75.0 × 2.0 × 2.25	3F			ST	CH	PH	
32376	3F	ZC	CIVIC		1,600	4	T	75.0 × 1.2 × 2.75	BF			ST	NT	NT	13011-PM5-G02/cyl
		D16A					2	75.0 × 1.5 × 3.2	TF	SP		FC	CH	PH	13011-PM6-G02/cyl
							O	75.0 × 2.8 × 2.6	3F			ST	NT	PH	
32400	3F	D17A1	CIVIC, Steam		1,668	4	T	75.0 × 1.0 × 2.6	BF	BT		ST	CH	PH	13011-PLM-A00
							2	75.0 × 1.2 × 3.0	TF			FC	PH	PH	13011-PLR-A00
							O	75.0 × 2.0 × 2.45	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32357	3FBC	EK	Accord 1800,SM,SZ		1,750	4	T	77.0 × 1.5 × 3.3	BF			FC	CH	CH	13011-676-601/cyl
			Prelude 1800,SN				2	77.0 × 1.5 × 3.3	TF	SP		FC	PH	PH	13011-676-602/cyl
			Accord 1600,SV				O	77.0 × 4.0 × 3.2	3F			ST	NT	PH	13011-676-604/cyl
			Quint 1600												13011-676-642/cyl
															13011-676-005/cyl
															13011-689-013/cyl
															13011-689-015/cyl
															13011-PB1-003/cyl
															13011-PB2-005/cyl
															13011-PC3-601/cyl
															13011-PC3-603/cyl
															13011-PC4-601/cyl
32360	3FACBC	ES EY	Accord		1,829	4	T	80.0 × 1.5 × 3.4	BF			FD	CH	CH	13011-PC6-004/cyl
			Prelude		1,598		2	80.0 × 1.5 × 3.4	TF			FC	CH	PH	13011-PC6-013/cyl
							O	80.0 × 4.0 × 3.25	3F			ST	NT	NT	13011-PC7-023/cyl
															13011-PD6-003/cyl
															13011-PH1-003/cyl
															13011-PH2-003/cyl
32367	3F	A18A ES,EY-2 PH2	Accord,CA1		1,829	4	T	80.0 × 1.2 × 3.2	BF			ST	CH	PH	13011-PD4-003/cyl
			Prelude,AB				2	80.0 × 1.2 × 3.3	TF			FC	PH	PH	13011-PH2-901/cyl
							O	80.0 × 2.8 × 2.8	3F			ST	CH	PH	13011-PH2-902/cyl
															13011-PH2-903/cyl
32391	3F	B16,B18 PR3 PR4	Integra		1,600	4	T	81.0 × 1.0 × 3.05	BF	BT		ST	CH	FE	13011-PR3-003/cyl
							2	81.0 × 1.2 × 3.3	TF	SP		FC	PH	PH	13011-PR3-004/cyl
							O	81.0 × 2.8 × 2.55	3F			ST	CH	PH	13011-PR4-A01/cyl
32368	3F	B20A B18A	Accord 2000,CA3		1,958	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-PH3-003/cyl
			Prelude 2000,BA1				2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-PH3-901/cyl
			Accord 1800,CA2		1,834		O	81.0 × 2.8 × 2.9	3F			ST	NT	PH	13011-PH5-003/cyl
															13011-PJ5-601/cyl
															13011-PK1-003/cyl
32402	3F	RNA R18A1	CIVIC			4	T	81.0 × 1.2 × 2.45	BF	BT		ST	CH	FE	13011-RNA-A01
							2	81.0 × 1.2 × 3.3	TF	SP		FC	PH	PH	13011-RNA-A02
							O	81.0 × 2.0 × 2.45	3F			ST	CH	PH	
32411	3F	RZP	Accord		2,000	4	T	81.0 × 1.2 × 2.45	BF	BT		ST	CH	PH	13011-RZP-003
			CR-V				2	81.0 × 1.2 × 3.4	TF	SP		FC	PH	PH	13011-RZP-004
							O	81.0 × 2.0 × 2.5	3F			ST	NT	NT	
32392	3F	PV0	Ascot		2,000	4	T	82.0 × 1.2 × 3.05	BF			ST	CH	PH	13011-PV0-003/cyl
			Sabar				2	82.0 × 1.2 × 3.3	TF			FC	PH	PH	13011-PV0-004/cyl
			Inspire				O	82.0 × 2.8 × 2.75	3F			ST	CH	PH	13011-PV0-013/cyl
															13011-PV0-014/cyl
32370	3F	A20A	Accord 2000		2,000	4	T	82.7 × 1.5 × 3.2	BF			ST	CH	PH	13011-PH4-003/cyl
							2	82.7 × 1.5 × 3.4	TF			FC	PH	PH	13011-PH4-601/cyl
							O	82.7 × 4.0 × 3.25	3F			ST	CH	PH	13011-PH4-602/cyl

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32388	3FAC	A20A-2	Prelude	2,000	4	T	82.7 × 1.5 × 3.1	BF	ST	NT	NT	13011-PH4-751			
						2	82.7 × 1.5 × 3.4	TF	FC	PH	PH				
						O	82.7 × 4.0 × 3.25	3F	ST	CH	PH				
32387	3F	B20B P3F	CR-V,SMX	1,972	4	T	84.0 × 1.2 × 3.1	BF BT	ST	CH	FE	13011-P3F-003/cyl			
			Stepwgn,Orthia	2	84.0 × 1.2 × 3.4	TF	FC	PH	PH						
			O	84.0 × 2.8 × 2.6	3F	ST	CH	PH							
32426	3FAC	B20B	CR-V,Orthia,Stepwgn	1,972	4	T	84.0 × 1.2 × 3.15	BF BT	ST	NT	NT	13011-PHK-Y01			
			2	84.0 × 1.2 × 3.4	TF SP	FC	CH	PH							
			O	84.0 × 2.8 × 2.6	3F	ST	NT	PH							
32372	3F	C25A-2	Legend 2500	2,493	6	T	84.0 × 1.2 × 3.1	BF BT	ST	CH	FE	13011-PH7-003/cyl			
			2	84.0 × 1.2 × 3.4	TF	FC	PH	PH							
			O	84.0 × 4.0 × 3.15	3F	ST	CH	PH							
32396	3F	PHK	CR-V	2,000	4	T	84.0 × 1.2 × 3.1	BF BT	ST	CH	PH	13011-PHK-003/cyl			
			2	84.0 × 1.2 × 3.4	TF SP	FC	PH	PH							
			O	84.0 × 2.8 × 2.6	3F	ST	CH	PH							
32374	3F	F20A	Accord 2000	1,997	4	T	85.0 × 1.2 × 3.1	BF	ST	CH	PH	13011-PT0-B01/cyl			
			2	85.0 × 1.2 × 3.4	TF	FC	PH	PH	13011-PT0-B02/cyl						
			O	85.0 × 2.8 × 2.6	3F	ST	NT	PH							
32378	3F	F22A PT4 F22B	Accord	2,200	4	T	85.0 × 1.2 × 3.1	BF	ST	CH	PH	13011-PT4-X01/cyl			
			2	85.0 × 1.2 × 3.4	TF	FC	PH	PH	13011-PT4-X02/cyl						
			O	85.0 × 2.8 × 2.6	3F	ST	NT	PH	13011-PT4-X03/cyl						
								13011-PT4-X04/cyl							
32383	3F	F22B F20B F18B	Accord,Prelude	2,156	4	T	85.0 × 1.2 × 3.1	BF	ST	CH	PH	13011-POA-004/cyl			
			1,997	2	85.0 × 1.2 × 3.4	TF	FC	PH	PH	13011-PT2-003/cyl					
			1,849	O	85.0 × 2.8 × 2.6	3F	ST	NT	PH	13011-PT2-004/cyl					
32417	2FAC	N22A1			4	T	85.0 × 2.5 × 2.75	K BF	ST	NT	NT	13011-RL0-G00			
			2	85.0 × 1.5 × 2.7	TF SP	ST	NT	NT	13012-RL0-G00						
			O	85.0 × 2.0 × 2.75	2F	ST	NT	NT							
32386	3F	P1R D0A	Sabar,Accord	2,200	4	T	85.0 × 1.2 × 3.1	BF	ST	CH	PH	13011-PT0-B04/cyl			
			Prelude	2,500	2	85.0 × 1.2 × 3.4	TF	FC	PH	PH					
			O	85.0 × 2.8 × 2.6	3F	ST	NT	NT							
32416	3F	P1R			4	T	85.0 × 1.2 × 3.05	BF BT	ST	CH	PH	13011-P1R-003			
			2	85.0 × 1.2 × 3.4	TF	FC	PH	PH							
			O	85.0 × 2.8 × 2.85	3F	ST	CH	PH							
32394	3F	PCB	Accord	2,000	4	T	85.0 × 1.2 × 3.1	BF	ST	CH	PH	13011-PCB-003/cyl			
			2	85.0 × 1.2 × 3.4	TF	FC	PH	PH							
			O	85.0 × 2.8 × 2.6	3F	ST	NT	PH							
32380	2FAC	PT1CA	Accord	2,000	4	T	85.0 × 1.2 × 3.15	BF	ST	NT	PH	13011-PT1-M02/cyl			
			2,200	2	85.0 × 1.2 × 3.4	TF	FC	CH	PH	13011-PT1-505					
			O	85.0 × 3.0 × 3.67	2F	ST	NT	NT							
32429	3FAC	K20Z3			4	T	86.0 × 1.2 × 3.1	BF	ST	NT	NT	13011-PRA-E02			
			2	86.0 × 1.2 × 3.45	TF SP	FC	CH	PH							
			O	86.0 × 2.0 × 2.5	3F	ST	PV	PH							

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32384	3F	PAA F23A	ODYSSEY			4	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-PAA-Y01/cyl
							2	86.0 × 1.2 × 3.1	TF	SP		FC	PH	PH	13011-PN8-P01
							O	86.0 × 2.8 × 2.85	3F			ST	CH	PH	
32395	3F	PEA	ODYSSEY		2,300	4	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-PEA-003/cyl
							2	86.0 × 1.2 × 3.1	TF	SP		FC	PH	PH	
							O	86.0 × 2.8 × 2.85	3F			ST	CH	PH	
32410	3F	PNA	STEP WAGON			4	T	86.0 × 1.2 × 2.5	BF			ST	CH	PH	13011-PNA-013
							2	86.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	86.0 × 2.0 × 2.5	3F			ST	CH	PH	
32399	3F	PNE K20A1	CIVIC CR-V		1,998	4	T	86.0 × 1.2 × 3.05	BF			ST	CH	PH	13011-PNE-G02
							2	86.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	86.0 × 2.0 × 2.5	3F			ST	PV	PH	
32390	3F	PVB	Prelude		2,000	4	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-PVB-003/013
							2	86.0 × 1.2 × 3.1	TF	SP		FC	PH	PH	
							O	86.0 × 2.8 × 2.9	3F			ST	CH	PH	
32403	3F	J30A4	ACCORD(2003-2007)			6	T	86.0 × 1.2 × 3.05	BF			ST	CH	PH	13011-RCA-A01
							2	86.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	86.0 × 2.8 × 2.85	3F			ST	CH	PH	
32373	3F	C27A	Legend 2700		2,675	6	T	87.0 × 1.2 × 3.2	BF	BT		ST	CH	FE	13011-PL2-003/cyl
							2	87.0 × 1.2 × 3.5	TF	BT		FC	PH	PH	
							O	87.0 × 4.0 × 3.15	3F			ST	CH	PH	
32422	3FAC	K24A	Accord,ILX,TSX CR-V,Odyssey Civic Si		2,354	4	T	87.0 × 1.2 × 2.7	BF	BT		ST	PV	PH	13011-R40-A01
							2	87.0 × 1.2 × 3.4	TF	SP		FD	CH	PH	
							O	87.0 × 2.0 × 2.45	3F			ST	PV	PH	
32421	3F	K24A2	CR-V		2,354	4	T	87.0 × 1.2 × 3.1	BF	BT		ST	CH	PH	13011-RBB-006
							2	87.0 × 1.2 × 3.4	TF	SP		FC	PH	PH	
							O	87.0 × 2.5 × 2.45	3F			ST	NT		
32404	3F	K24A4	ACCORD(2003)			4	T	87.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	13011-RAF-S01
							2	87.0 × 1.2 × 3.4	TF	SP		FC	PH	PH	
							O	87.0 × 2.8 × 2.75	3F			ST	CH	PH	
32427	3F	K24W	Accord,ILX,TSX CR-V,Odyssey Civic Si		2,354	4	T	87.0 × 1.2 × 2.7	BF	BT		ST	PV	PH	13011-5A2-A11
							2	87.0 × 1.0 × 2.5	TF	SP		ST	FE	FE	
							O	87.0 × 2.0 × 2.2	3F			ST	PV		
32423	3F	K24Z	Accord,ILX,TSX CR-V,Odyssey Civic Si		2,354	4	T	87.0 × 1.2 × 2.7	BF	BT		ST	PV	PH	13011-R40-A12
							2	87.0 × 1.0 × 2.5	TF	SP		ST	FE	FE	
							O	87.0 × 2.0 × 2.45	3F			ST	PV	PH	
32393	3FAC	P13 P14	Accord Prelude		2,200	4	T	87.0 × 1.2 × 3.15	BF	BT		ST	NT	NT	13011-P13-003/cyl
							2	87.0 × 1.2 × 3.2	TF	SP		FD	CH	PH	
							O	87.0 × 2.8 × 2.65	3F			ST	NT	NT	
32406	3F	RAD PPA	CR-V			4	T	87.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	13011-RAD-004
							2	87.0 × 1.2 × 3.4	TF	SP		FC	PH	PH	13011-PPA-004
							O	87.0 × 2.0 × 2.45	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32389	3FAC	P5M	Prelude		2,200	4	T	87.0 × 1.2 × 3.15	BF	BT		ST	NT	NT	13011-P5M-003/013
							2	87.0 × 1.2 × 3.2	TF	SP		FD	CH	PH	
							O	87.0 × 2.8 × 2.65	3F			ST	NT	NT	
32413	3F	R70	Accord		3,500	6	T	89.0 × 1.2 × 3.05	BF	BT		ST	CH	PH	13011-R70-A01
							2	89.0 × 1.2 × 3.6	TF			FC	PH	PH	
							O	89.0 × 2.8 × 2.85	3F			ST	CH	PH	
32385	3FAC	C32A	NSX		3,179	6	T	90.0 × 1.2 × 3.3	BF			ST	NT	NT	13011-PY3-003/cyl
							2	90.0 × 1.2 × 3.6	TF			FC	CH	PH	13011-PY3-004/cyl
							O	90.0 × 2.8 × 2.85	3F			ST	CH	PH	13011-PY3-Y01/cyl
															13011-PY3-Y02/cyl
32415	3F	PY3				4	T	90.0 × 1.2 × 3.3	BF	BT		ST	CH	PH	13011-PY3-003
							2	90.0 × 1.2 × 3.6	TF			FC	PH	PH	
							O	90.0 × 2.8 × 2.65	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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32586 1cyl/set	2F DIESEL	3KB1 3KA1	For Industrial Machine		877	3	T	70.0 × 2.0 × 3.2	BF	FC	CH PH	8-94411-305-0/cyl
							2	70.0 × 1.5 × 3.2	TF	FC	PH PH	
							O	70.0 × 3.5 × 3.45	2F	ST	CH FE	
32620 1cyl/set	2F DIESEL	3LA1	For Industrial Machine			3	T	70.0 × 2.0 × 2.8	BF	FD	CH CH	8-97048-921-0/cyl
							2	70.0 × 1.5 × 3.1	TF SP	FC	PH PH	
							O	70.0 × 3.5 × 3.496	2F	ST	CH FE	
32588 1cyl/set	2F DIESEL	3KC1	For Industrial Machine			3	T	74.0 × 2.0 × 3.2	BF	FC	CH PH	8-94411-295-1/cyl
							2	74.0 × 1.5 × 3.2	TF BT	FC	PH PH	
							O	74.0 × 3.5 × 3.55	2F	ST	CH FE	
32564 1cyl/set	2FAC DIESEL	3AF-1	For Industrial Machine			3	T	76.0 × 2.0 × 3.4	BF	FD	CH PH	5-12121-012-0/cyl
							2	76.0 × 2.0 × 3.4	TF	FC	CH PH	
							O	76.0 × 4.0 × 4.2	2F	FC	CH PH	
32589	2FAC DIESEL	4EC1	Gemini Diesel JT600		1,487	4	T	76.0 × 2.0 × 3.1	BF	FD	CH PH	8-94144-187-0/cyl
							2	76.0 × 1.5 × 3.1	TF	ST	CH PH	8-94332-767-1/cyl
							O	76.0 × 3.0 × 3.55	2F	ST	CH FE	
32659	2FAC DIESEL	4FE1	Gemini		1,487	4	T	76.3 × 2.0 × 3.3	BF	FD	CH PH	8-94169-748-0
							2	76.3 × 2.0 × 3.3	TF	FC	CH PH	
							O	76.3 × 4.0 × 4.0	2F	ST	NT NT	
32590	3FAC	4XC1	GeminiJT150		1,471	4	T	77.0 × 1.5 × 3.3	BF BT	FD	CH PH	8-94141-947-0/cyl
							O	77.0 × 2.8 × 3.1	3F	ST	NT NT	
32591	3FAC	4XC1-H 4XC1-T	Gemini		1,471	4	T	77.0 × 1.2 × 2.95	BF	ST	NT NT	8-94162-769-0/cyl
							2	77.0 × 1.2 × 3.5	TF BT	FC	CH PH	8-94109-650-0/cyl
							O	77.0 × 2.8 × 3.1	3F	ST	NT PH	
32621 1cyl/set	2F DIESEL	3LB1	For Industrial Machine			3	T	77.4 × 2.0 × 3.1	BF	FD	CH CH	8-97113-762-0/cyl
							2	77.4 × 1.5 × 3.2	TF SP	FC	PH PH	
							O	77.4 × 3.5 × 3.496	2F	ST	CH FE	
32630 1cyl/set	2FBC DIESEL	4LB1	For Indystrial Machine			4	T	77.4 × 2.0 × 3.1	BF	FD	CH CH	8-97034-609-0/cyl
							2	77.4 × 1.5 × 3.2	TF	FC	PH PH	
							O	77.4 × 3.5 × 3.5	2F	ST	CH FE	
32513	3F	G150	Bellet,PR20,40 Florian,Uni Cab Light Elf 1500 PA10,KA20,KR85		1,471	4	T	79.0 × 2.0 × 3.2	SF	FC	CH PH	9-12181-055/cyl
							2	79.0 × 2.0 × 3.2	TF	FC	PH PH	9-12181-071/cyl
							O	79.0 × 4.0 × 3.15	3F	ST	CH FE	
32613	2F	4EE1,4EE2	Gemini		1,686	4	T	79.0 × 2.0 × 2.75	BF	ST	NT PH	8-94381-709-1/cyl
							2	79.0 × 1.5 × 3.2	TF	FD	CH PH	
							O	79.0 × 3.0 × 3.556	2F	ST	CH FE	
32565 1cyl/set	DWAC DIESEL	3AE-1	For Industrial Machine			3	T	80.0 × 2.0 × 3.5	BF	FD	CH PH	5-12121-011-0/cyl
							2	80.0 × 2.0 × 3.5	TF	FC	CH PH	
							O	80.0 × 4.0 × 4.0	2F	FC	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32420	2FAC DIESEL	ES01				4	T	80.0 × 2.0 × 2.7	HK	BF		ST	NT	NT	
							2	80.0 × 1.5 × 2.7		TF	SP	ST	NT	NT	
							O	80.0 × 2.0 × 2.75	2F			ST	NT	NT	
32592 1cyl/set	2F DIESEL	3KR1 3KR2	For Industrial Machine			3	T	81.0 × 2.0 × 3.4		BF		FC	CH	PH	8-94421-650-0/cyl
							2	81.0 × 1.75 × 3.4		TF	BT	FC	PH	PH	8-94378-440-0/cyl
							O	81.0 × 4.0 × 4.0	2F			ST	CH	FE	
32534	3F	G161Z G161W G161AB	Florian 1600		1,584	4	T	82.0 × 2.0 × 3.8		TF		FC	CH	PH	9-12181-141/cyl
			117Coupe,PA90				2	82.0 × 2.0 × 3.7		TF		FC	PH	PH	9-12181-113/cyl
			Elf Truck				O	82.0 × 4.0 × 3.6	3F			ST	CH	PH	9-12181-616/cyl
			Foster												8-94206-294/cyl
			KA41,50,KAG41,51,PA20												8-94216-639/cyl
32570	3FAC	G161-2	LUV/Pick-Up		1,584	4	T	82.0 × 1.5 × 3.5		BF		ST	CH	FE	8-94244-403-0/cyl
			Truck				2	82.0 × 1.5 × 3.8		TF		FC	CH	PH	8-94130-293-0/cyl
							O	82.0 × 4.0 × 3.15	3F			ST	CH	PH	
32605	3FAC	4ZA1	PF50		1,584	4	T	82.0 × 1.5 × 2.95		BF		ST	NT	NT	8-94452-743-0/cyl
							2	82.0 × 1.5 × 3.3		TF		FD	CH	PH	
							O	82.0 × 4.0 × 3.05	3F			ST	NT	PH	
32502	2FT DIESEL	C220	Elf		2,207	4	T	83.0 × 2.0 × 3.4		TF		FC	PH	PH	9-12181-057/cyl
			TLD11,11D,11V,21,21V,21				2	83.0 × 2.0 × 3.4		TF		FC	PH	PH	9-12181-062/cyl
			W,60				3	83.0 × 2.0 × 3.4		TF	SP	FC	PH	PH	9-12181-100/cyl
			TL321,351,TK351W		1,991		O	83.0 × 4.0 × 4.0	2F			FC	PH	PH	
			Elfin				O	83.0 × 4.0 × 3.4	1F			FC	PH	PH	
			TKD11,11V,11W												
32521	2FT DIESEL	C221 CP221P C201 C201P	Elf		2,207	4	T	83.0 × 2.0 × 3.4		TF		FC	PH	PH	5-12121-013/cyl
			TLD12,22,22V(F),22W				2	83.0 × 2.0 × 3.4		TF		FC	PH	PH	5-12121-014/cyl
			32,52,62				3	83.0 × 2.0 × 3.4		TF	SP	FC	PH	PH	5-12181-015/cyl
			BLD22				O	83.0 × 5.0 × 3.9	2F			FC	PH	PH	9-12181-122/cyl
							O	83.0 × 5.0 × 3.2				FC	PH	PH	
32622 1cyl/set	2F DIESEL	3LD1	For Industrial Machine			3	T	83.1 × 2.0 × 3.3		BF		FD	CH	PH	8-97113-503-0/cyl
							2	83.1 × 1.75 × 3.6		TF	SP	FC	PH	PH	
							O	83.1 × 4.0 × 4.25	2F			ST	CH	FE	
32536	3F	G180Z G180S G180SS	Bellet 1800		1,817	4	T	84.0 × 2.0 × 3.6		BF		FD	CH	PH	9-12181-615/cyl
			Florian 1800				2	84.0 × 2.0 × 3.7		TF		FC	PH	PH	9-12181-605/cyl
			117Coupe,PA30,PR95				O	84.0 × 4.0 × 3.15	3F			ST	CH	PH	8-94208-205-0/cyl
															8-94216-640/cyl

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32572	3F	G180-2	LUV		1,817	4	T	84.0 × 1.5 × 3.1	BF			ST	CH	FE	8-94244-404-0/cyl
		4ZB-1	ASKA				2	84.0 × 1.5 × 3.6	TF			FC	PH	PH	8-94235-877-0/cyl
							O	84.0 × 4.0 × 3.15	3F			ST	CH	PH	8-94249-218-0/cyl
		4ZB-1-J													8-94141-443-0/cyl
32556	2FACBC	4FB-1	Gemini Diesel PFD60		1,817	4	T	84.0 × 2.5 × 3.5	BF			FD	CH	PH	8-94224-221/cyl
		DIESEL	Fargo,ASKA		1,995		2	84.0 × 2.0 × 3.5	TF			FC	CH	PH	8-94139-973/cyl
		4FC-1					O	84.0 × 4.0 × 4.2	2F			FC	CH	PH	
32624 1cyl/set	DW	4LE1 DIESEL	For Industrial Machine			4	T	85.0 × 2.0 × 3.3	BF			FD	CH	PH	8-97141-208-0/cyl
							2	85.0 × 1.75 × 3.7	TF BT			FC	PH	PH	
							O	85.0 × 4.0 × 4.25	2F			ST	CH	FE	
32669 1cyl/set	2FAC	4LE1T/LE2X DIESEL				4	T	85.0 × 2.0 × 2.95	HK BF			ST	NT	NT	8-98114-299-0/cyl
							2	85.0 × 2.0 × 3.25	TF			FC	CH	PH	
							O	85.0 × 3.0 × 3.3	2F			ST	NT	NT	
32635	3F	C22-NE				4	T	86.0 × 1.5 × 3.3	BF			ST	CH	FE	8-92064-591-0/cyl
							2	86.0 × 1.5 × 3.4	TF SP			FC	PH	PH	
							O	86.0 × 3.0 × 2.85	3F			ST	CH	PH	
32569	2FT	C190-2 DIESEL	Elf 150,250			4	T	86.0 × 2.5 × 4.0	TF			FC	CH	PH	5-12121-021-0/cyl
							2	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	8-94104-949-0/cyl
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
32648	3F	C190G	Florian VAN		1,951	4	T	86.0 × 2.0 × 3.3	BF			ST	NT	NT	5-12121-008-0
							2	86.0 × 2.0 × 3.5	TF			FC	CH	PH	
							3	86.0 × 2.0 × 3.5	TF SP			FC	CH	PH	
							O	86.0 × 5.0 × 4.35	2F			ST	CH	FE	
32527	2FT	C240 DIESEL	KVD20,20VF,PAD30,30V		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12181-027-0/cyl
							2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12121-007-0/cyl
							3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	9-12181-603/cyl
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
62527	2FT	C240 DIESEL	KVD20,20VF,PAD30,30V		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12181-027-0/cyl
							2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12121-007-0/cyl
							3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	9-12181-603/cyl
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
32600	2FT	C240 DIESEL	Truck		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12121-007-0/cyl
			KAD41,42,51,52				2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-603/cyl
			KB40,41,KBD20,26,40				3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	
			KUD20Z,TCD23				O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
			TLD,23ZP,23ZV,33												
32528	2FT	C240 DIESEL	Bus		2,369	4									9-12181-138/cyl
			BLD24,KAD51,51ZB,52												
			TLD13,23(V,Z)43,53,63												
32528	2FT	C240 DIESEL	Elf		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-138/cyl
			KAD41V,50NV,51V(NV,ZV)				2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	
							3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
							O	86.0 × 5.0 × 3.5	1F			FC	PH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
62528	2FT	C240	Elf		2,369	4	T	86.0 × 2.0 × 3.5	TF		FC	PH	PH	9-12181-138/cyl	
	DIESEL		KAD41V,50NV,51V(NV,ZV)	2	86.0 × 2.0 × 3.5	TF		FC	PH	PH					
			3	86.0 × 2.0 × 3.5	TF	SP	FC	PH	PH						
			O	86.0 × 5.0 × 3.8	2F		FC	PH	PH						
			O	86.0 × 5.0 × 3.5	1F		FC	PH	PH						
32601	2FT	C240	Elf		2,369	4	T	86.0 × 2.0 × 3.5	TF		FC	PH	PH	9-12181-138-0/cyl	
	DIESEL			2	86.0 × 2.0 × 3.5	TF		FC	PH	PH					
				3	86.0 × 2.0 × 3.5	TF	SP	FC	PH	PH					
				O	86.0 × 5.0 × 3.8	2F		FC	PH	PH					
				O	86.0 × 5.0 × 3.5	1F		FC	PH	PH					
32661	3F	22LE	Crew Cab		2,200	4	T	86.0 × 1.5 × 3.6	BF		FD	CH	PH	8-92064-589-0/cyl	
		C22NE	Single Cab	2	86.0 × 1.5 × 3.4	TF	SP	FC	PH	PH					
			Space Cab	O	86.0 × 3.0 × 3.05	3F		ST	CH	PH					
32538	AC	G201	Truck		1,951	4	T	86.0 × 2.5 × 4.1	BF		FC	CH	PH	9-12181-602/cyl	
			TLG12,22,32,42,52,62	2	86.0 × 2.5 × 4.1	TF	SP	FC	CH	PH					
			KVG20,20VF	O	86.0 × 5.0 × 4.1	1F		FC	CH	PH					
			Bus												
			BLG22,22B,24												
32678	3F	X22SE	Amigo		2,200	4	T	86.0 × 1.5 × 3.3	BF		ST	CH	FE	8-92062-027-0/cyl	
			Rodeo	2	86.0 × 1.5 × 3.4	TF	SP	FC	PH	PH					
			ELF2.2	O	86.0 × 3.0 × 2.85	3F		ST	CH	PH					
32679	3F	X22SE	Amigo		2,200	4	T	86.0 × 1.2 × 3.1	BF		ST	NT	NT	8-92065-115-0/cyl	
			Rodeo	2	86.0 × 1.5 × 3.4	TF	SP	FC	PH	PH					
			ELF2.2	O	86.0 × 2.5 × 2.75	3F		ST	CH	PH					
32555	3FAC	G200	117Coupe PA96		1,949	4	T	87.0 × 2.0 × 3.8	BF		FC	CH	PH	8-94216-641/cyl	
				2	87.0 × 2.0 × 3.85	TF		FC	CH	PH					
				O	87.0 × 4.0 × 3.2	3F		ST	CH	PH					
32577	3F	G200ZN	Chevrolet LUV		2,000	4	T	87.0 × 1.5 × 3.15	BF		ST	NT	NT	8-94130-295/cyl	
				2	87.0 × 1.5 × 3.6	TF		FD	CH	PH	8-94231-817-0/cyl				
				O	87.0 × 4.0 × 3.05	3F		ST	NT	PH	8-94447-415-0/cyl				
32657	3F	D-MAX 2.4L	D-MAX		2,400	4	T	87.5 × 1.2 × 2.9	BF		ST	NT	NT	8-93359-241	
				2	87.5 × 1.5 × 3.7	TF	SP	FC	PH	PH	8-97259-941-0				
				O	87.5 × 2.5 × 3.05	3F		ST	CH	PH					
32557	2F	C223	117Coupe Diesel		2,238	4	T	88.0 × 2.5 × 3.6	BF		FD	CH	PH	5-12121-017/cyl	
			PAD96	2	88.0 × 2.0 × 3.8	TF		FC	PH	PH	8-94100-355/cyl				
				O	88.0 × 4.5 × 4.6	2F		FC	CH	PH					
32574	2FT	C223-2	Bighorn,Rodio		2,238	4	T	88.0 × 2.0 × 3.5	BF		FC	PH	PH	8-94253-736-0/cyl	
				2	88.0 × 2.0 × 3.5	TF	SP	FC	PH	PH					
				O	88.0 × 4.0 × 4.0	2F		FC	PH	PH					
32640	2F	D201				1	T	88.0 × 2.0 × 3.3	BF		ST	NT	NT		
				2	88.0 × 2.0 × 3.3	TF		FC	PH	PH					
				3	88.0 × 2.0 × 3.3	TF	SP	FC	PH	PH					
				O	88.0 × 4.0 × 4.2	2F		ST	NT	NT					

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32650	2FAC	4FD1 DIESEL	Rodio			4	T	88.0 × 2.0 × 3.15	BF			ST	NT	NT	8-94250-730/cyl
	Bighorn		2	88.0 × 2.0 × 3.5	TF SP			FC	CH	PH					
			O	88.0 × 4.0 × 4.2	2F			ST	NT	NT					
32573	3F	4ZC-1	ASKA		1,994	4	T	88.0 × 1.5 × 3.5	BF			ST	CH	FE	8-94235-878-0/cyl
		4ZC-1J					2	88.0 × 1.5 × 3.8	TF			FC	PH	PH	8-94119-545-0/cyl
		4ZC-1JExp					O	88.0 × 4.0 × 3.2	3F			ST	NT	PH	8-94409-555-0/cyl
32598	2F	4FG1 DIESEL	WFR62		2,400	4	T	89.3 × 2.0 × 3.15	BF			ST	NT	NT	8-94469-634-0/cyl
			2	89.3 × 2.0 × 3.7	TF			FC	CH	PH					
			O	89.3 × 4.0 × 4.25	2F			ST	CH	FE					
32579	3FAC	4ZD-1	Chevrolet LUV		2,254	4	T	89.3 × 1.5 × 3.5	BF			ST	CH	PH	8-94136-778-0/cyl
		4ZD-1Exp					2	89.3 × 1.5 × 3.8	TF			FC	CH	PH	8-94153-966-0/cyl
							O	89.3 × 4.0 × 2.9	3F			ST	CH	PH	
32516	2FT	D370 DIESEL	Truck		3,664	6	T	90.0 × 2.5 × 3.9	TF			FC	PH	PH	9-12181-099/cyl
			TY20,20D,30,40	2	90.0 × 2.5 × 3.9	TF			FC	PH	PH				
				3	90.0 × 2.5 × 3.9	TF SP			FC	PH	PH				
				O	90.0 × 5.0 × 4.8	2F			FC	PH	PH				
				O	90.0 × 5.0 × 3.9	1F			FC	PH	PH				
32596	3FAC	4ZE1	TROOPER		2,559	4	T	92.6 × 1.5 × 3.35	BF			ST	NT	NT	8-94405-614-2/cyl
							2	92.6 × 1.5 × 4.0	TF			FC	CH	PH	
							O	92.6 × 4.0 × 3.05	3F			ST	NT	PH	
32594	3FAC	4ZE1	TROOPER		2,559	4	T	92.6 × 1.5 × 3.5	BF			ST	CH	PH	8-94446-957-1/cyl
							2	92.6 × 1.5 × 4.0	TF			FC	CH	PH	
							O	92.6 × 4.0 × 3.05	3F			ST	NT	PH	
32575	2FT	4JA-1	Truck		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl
	DIESEL	4JB-1	Elf150				2	93.0 × 2.0 × 4.0	TF SP			FC	PH	PH	
								O	93.0 × 4.0 × 4.1	2F			FC	PH	
62575	2FT	4JA-1	Truck		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl
	DIESEL	4JB-1	Elf150				2	93.0 × 2.0 × 4.0	TF SP			FC	PH	PH	
								O	93.0 × 4.0 × 4.1	2F			FC	PH	
32612 1cyl/set	2FT	4JB1 DIESEL	Truck, Elf150		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl
				2	93.0 × 2.0 × 4.0	TF SP			FC	PH	PH				
				O	93.0 × 4.0 × 4.1	2F			FC	PH	PH				
32647	2FT	4JK1	D-MAX			4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-97319-087-0
	DIESEL	4JJ1					2	93.0 × 2.0 × 4.0	TF SP			FC	PH	PH	5-87310-519-0
								O	93.0 × 4.0 × 4.2	2F			ST	NT	NT
32628	2FAC	6VE1				6	T	93.4 × 1.2 × 3.5	BF BT			ST	NT	NT	8-97371-553-0/cyl
							2	93.4 × 1.2 × 3.8	TF SP			FD	CH	PH	
							O	93.4 × 2.0 × 2.75	2F			ST	NT	NT	
32614	3FAC	6VD1	Bighorn		3,165	6	T	93.4 × 1.5 × 3.7	BF			ST	CH	FE	8-97127-562-0/cyl
							2	93.4 × 1.5 × 4.0	TF			FC	CH	PH	8-97162-198-0/cyl
							O	93.4 × 4.0 × 3.1	3F			ST	CH	PH	
32629	3FAC	6VD1-2	Bighorn		3,165	6	T	93.4 × 1.5 × 3.35	BF			ST	NT	NT	8-97170-113-0/cyl
							2	93.4 × 1.5 × 4.0	TF			FC	CH	PH	
							O	93.4 × 3.0 × 2.85	3F			ST	NT	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32674	3F	6VD1(98MY)			3,165	6	T	93.4 × 1.5 × 3.25	BF			ST	CH	FE	8-97136-135-0/cyl
							2	93.4 × 1.5 × 4.0	TF			FC	PH	PH	
							O	93.4 × 3.0 × 2.85	3F			ST	CH	PH	
32675	3FAC	6VD1-EXP			3,165	6	T	93.4 × 1.5 × 3.35	BF			ST	NT	NT	8-97037-372-0/cyl
							2	93.4 × 1.5 × 4.0	TF			FC	CH	PH	
							O	93.4 × 4.0 × 2.9	3F			ST	NT	PH	
32636	2FT DIESEL	4JG1	Bighorn,Elf		3,059	4	T	95.4 × 2.0 × 4.0	BF			FC	PH	PH	8-94379-486-0/cyl
							2	95.4 × 2.0 × 4.0	TF			FC	PH	PH	
							O	95.4 × 4.0 × 3.95	2F			ST	NT	NT	
32607	2F DIESEL	4JG2	Bighorn,Elf		3,059	4	T	95.4 × 2.5 × 4.0	BF BT			FC	PH	PH	8-97080-215-0/cyl
							2	95.4 × 2.0 × 4.0	TF BT			FC	PH	PH	
							O	95.4 × 4.0 × 4.45	2F			ST	NT	NT	
32691	2F DIESEL	4JG2-2	Bighorn Elf		3,059	4	T	95.4 × 2.306 × 4.0	K BF			FD	PH	PH	8-94370449-0
							2	95.4 × 2.0 × 4.0	TF			FC	PH	PH	
							O	95.4 × 4.0 × 3.95	2F			ST	NT	NT	
32623	2FT DIESEL	4JH1	D-MAX		3,059	4	T	95.4 × 2.5 × 3.9	BF			FC	PH	PH	8-97941-122-0/cyl
							2	95.4 × 2.0 × 3.7	TF SP			FC	PH	PH	
							O	95.4 × 3.0 × 3.15	2F			ST	NT	NT	
32634	2F DIESEL	4JJ1	D-MAX		3,059	4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-97388-734-0/cyl
							2	95.4 × 1.5 × 4.0	TF			FC	PH	PH	8-98096-676-0/cyl
							O	95.4 × 3.0 × 3.0	2F			ST	NT	NT	
32652	2FAC DIESEL	4JJ1-2	TRUCK ELF			4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-98053-579-0
							2	95.4 × 2.0 × 4.2	TF ST			FC	CH	PH	
							O	95.4 × 3.0 × 3.0	2F			ST	NT	NT	
32664	2FAC DIESEL	4JJ1TC	Elf D-MAX		3,059	4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-98057-222-0
							2	95.4 × 1.5 × 3.5	TF BT			ST	NT	NT	
							O	95.4 × 3.0 × 3.0	2F			ST	NT	NT	
32680	2FAC DIESEL	4JX1	MU Bighorn Wizard		2,999	4	T	95.4 × 2.438 × 4.0	K BF			FD	CH	PH	8-97184-533-0
							2	95.4 × 2.0 × 4.0	TF ST			FC	CH	PH	
							O	95.4 × 4.0 × 3.95	2F			ST	NT	NT	
32644	2FT DIESEL	D-MAX 3.0			3,059	4	T	95.4 × 2.5 × 3.9	BF			FC	PH	PH	8-97259-941-0
							2	95.4 × 2.0 × 3.7	TF SP			FC	PH	PH	
							O	95.4 × 3.0 × 3.85	2F			ST	NT	NT	
32529	2FTBC DIESEL	4BA-1	Elf		2,775	4	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12121-001-0/cyl
							2	98.0 × 2.5 × 3.9	TF SP			FC	PH	PH	5-12121-019/cyl
							O	98.0 × 5.0 × 4.3	2F			FC	CH	PH	5-12181-025/cyl
													12181-601/cyl		
														12181-619/cyl	
			C330	Elf KS		3,318									9-12181-801/cyl

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
62529	2FT DIESEL	4BA-1 C330	Elf Truck TLD24,34,44,54,64 Elf KS		2,775	4	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12121-001-0/cyl
							2	98.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	5-12121-019/cyl
							O	98.0 × 5.0 × 4.3	2F			FC	CH	PH	5-12181-025/cyl
															12181-601/cyl
															12181-619/cyl
															9-12181-801/cyl
32524	2FTBC DIESEL	D500	Forward TR,BY		4,978	6	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12181-020/cyl
							2	98.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	9-12181-608/cyl
							O	98.0 × 5.0 × 4.3	2F			FC	CH	PH	
62524	2FT DIESEL	D500	Forward TR,BY		4,978	6	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12181-020/cyl
							2	98.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	9-12181-608/cyl
							O	98.0 × 5.0 × 4.3	2F			FC	CH	PH	
32506	DW DIESEL	DA120	Truck TX541(D,T),542(D,T) 551(T),552(T),TXD40,50 TS542,543(D),TW542(D)		6,126	6	T	100.0 × 2.5 × 4.0	BF			FC	CH	CH	9-12181-063/cyl
							2	100.0 × 2.5 × 4.0	TF	ST		FC	PH	PH	9-12181-091/cyl
							3	100.0 × 2.5 × 4.0	TF	SP		FC	PH	PH	
							O	100.0 × 4.0 × 4.2	2F			FC	CH	PH	
							O	100.0 × 4.0 × 4.0	1F			FC	PH	PH	
32517	2F DIESEL	DA120A	Bus BA341P,343,351,541 543,551 BB341,351,551 BX352,531,552 For Industrial Machine		6,126	6	T	100.0 × 2.5 × 4.2	BF			FD	CH	PH	1-12181-005/cyl
							2	100.0 × 2.5 × 4.4	TF	ST		FC	PH	PH	1-12181-036/cyl
							3	100.0 × 2.5 × 4.4	TF	SP		FC	PH	PH	1-12181-087/cyl
							O	100.0 × 5.0 × 4.4	2F			FC	CH	PH	1-12181-109/cyl
															1-12181-128/cyl
32688 1cyl/set	2F DIESEL	DA120A	Bus BA341P,343,351,541 543,551 BB341,351,551 BX352,531,552 For Industrial Machine		6,126	6	T	100.0 × 2.5 × 4.2	BF			FC	CH	PH	1-12181-005/cyl
							2	100.0 × 2.5 × 4.4	TF	ST		FC	PH	PH	1-12181-036/cyl
							3	100.0 × 2.5 × 4.4	TF	SP		FC	PH	PH	1-12181-087/cyl
							O	100.0 × 5.0 × 4.4	2F			FC	CH	PH	1-12181-109/cyl
															1-12181-128/cyl
32505	DW DIESEL	DA220	For Industrial Machine		4,048	4	T	100.0 × 2.5 × 4.0	BF			FC	CH	CH	9-12181-093/cyl
							2	100.0 × 2.5 × 4.0	TF	ST		FC	PH	PH	
							3	100.0 × 2.5 × 4.0	TF	SP		FC	PH	PH	
							O	100.0 × 4.0 × 3.2	2F			FC	CH	PH	
							O	100.0 × 4.0 × 4.0	1F			FC	PH	PH	
32540	2F DIESEL	DA220A	For Industrial Machine		4,048	4	T	100.0 × 2.5 × 4.2	BF			FD	CH	PH	1-12181-006-0/cyl
							2	100.0 × 2.5 × 4.4	TF	ST		FC	PH	PH	1-12181-038-0/cyl
							3	100.0 × 2.5 × 4.4	TF	SP		FC	PH	PH	1-12181-111-0/cyl
							O	100.0 × 5.0 × 4.4	2F			FC	CH	PH	
32643	2FBC DIESEL	6BD1				6	T	101.5 × 3.0 × 3.7	BF			ST	NT	NT	1-12121-087-0
							2	101.5 × 2.5 × 4.4	TF	SP		FC	PH	PH	
							O	101.5 × 4.0 × 4.15	2F			ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32507	DW	DA640	Truck		6,373	6	T	102.0 × 2.5 × 4.0	BF			FC	CH	PH	9-12181-028/cyl
	DIESEL		TXD70E,80E		2	102.0 × 2.5 × 4.0	TF ST			FC	PH	PH	9-12181-048/cyl		
			Bus		3	102.0 × 2.5 × 4.0	TF SP			FC	PH	PH	9-12181-064/cyl		
			BA01,05,10(P),20(P)		O	102.0 × 4.0 × 4.2	2F			FC	CH	PH	9-12181-092/cyl		
			BS20,BF20		O	102.0 × 4.0 × 4.2	1F			FC	PH	PH			
32518	DW	DA640A	Truck		6,373	6	T	102.0 × 2.5 × 4.4	BF			FC	CH	CH	12181-007/cyl
	DIESEL		SFR320,420,460,500,600		2	102.0 × 2.5 × 4.4	TF ST			FC	PH	PH	1-12181-033/cyl		
			TSD43,TWD23		3	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	12181-074/cyl		
			TXD13,23,33,53,60		O	102.0 × 5.0 × 4.6	2F			FC	CH	PH	12181-088/cyl		
			Bus										12181-110/cyl		
			BA741(P),743,BB751												
			BR10(P),20(P),351(P)												
BX721E,731,752															
32625	2F	DA640PP	For Industrial Machine		6,373	6	T	102.0 × 3.0 × 3.7	BF			ST	NT	NT	1-12181-034-0/cyl
	DIESEL				2	102.0 × 2.5 × 4.4	TF ST			FC	PH	PH			
					3	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
					O	102.0 × 5.0 × 4.7	2F			ST	CH	FE			
32546	2F	DA640T	Truck		6,373	6	T	102.0 × 3.48 × 4.4	K BF			FC	CH	PH	1-12121-011/cyl
	DIESEL		SFR320,420,460,500,600		2	102.0 × 2.5 × 4.4	TF BT			FC	PH	PH	12181-014/cyl		
			TSD43,TWD23		3	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	1-12181-035/cyl		
			TXD13,23,33,53,60		O	102.0 × 5.0 × 4.9	2F			FC	CH	PH			
			Bus												
BA20(P),BF30															
32545	2FT	4BB-1 4BD-1	Elf		3,595	4	T	102.0 × 3.0 × 4.4	TF			FD	PH	PH	5-12121-005/cyl
	DIESEL		Journey		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	5-12181-003/cyl		
			Truck		O	102.0 × 5.0 × 4.9	2F			FC	PH	PH	5-12181-024/cyl		
			KA31,KS11,11D,21,31												
32558	2FTBC	4BC-1	Elf		3,268	4	T	102.0 × 3.0 × 4.4	BF			FC	CH	CH	5-12121-004/cyl
	DIESEL		Journey		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
			Truck		O	102.0 × 5.0 × 4.8	2F			FC	PH	PH			
			KT25,35,TLD55,65,BL35												
62558	2FT	4BC-1	Elf		3,268	4	T	102.0 × 3.0 × 4.4	BF			FC	CH	CH	5-12121-004/cyl
	DIESEL		Journey		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
			Truck		O	102.0 × 5.0 × 4.8	2F			FC	PH	PH			
			KA31,KS11,11D,21,31												
62560 1cyl/set	2FT	4BC-1	Elf		3,268	4	T	102.0 × 3.0 × 4.4	BF			FC	CH	CH	5-12121-004/cyl
	DIESEL		Journey		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
			Truck		O	102.0 × 5.0 × 4.8	2F			FC	PH	PH			
			KA31,KS11,11D,21,31												
32639	2FT	4BD2			3,856	4	T	102.0 × 3.0 × 4.0	BF			FD	PH	PH	8-97117-686-0/cyl
	DIESEL				2	102.0 × 2.0 × 3.6	TF			FD	PH	PH			
					O	102.0 × 4.0 × 4.35	2F			ST	NT	NT			

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32683 1cyl/set	2FT DIESEL	4/6BB1	Forward		5,393	4	T	102.0 × 3.0 × 4.4	TF			FD	PH	PH	5-12121-005/cyl
			Journey		5,785	6	2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	5-12181-003/cyl
			Truck				O	102.0 × 5.0 × 4.9	2F			FC	PH	PH	5-12181-024/cyl
			FBR370JBR												5-12121-055/cyl
			SBR320,320D,322,380,380D												5-12181-023/cyl
			400,422,430,450,500												5-12121-002/cyl
			560,680,TLD23ZPO												5-12121-022/cyl
			YBR310,360												
32542	2FT DIESEL	6BB-1 6BD-1	Forward		5,393	6	T	102.0 × 3.0 × 4.4	TF			FD	PH	PH	5-12121-055/cyl
			Journey		5,785		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	5-12181-023/cyl
			Truck				O	102.0 × 5.0 × 4.9	2F			FC	PH	PH	5-12121-002/cyl
			FBR370JBR												5-12121-022/cyl
			SBR320,320D,322,380,380D												
			400,422,430,450,500												
			560,680,TLD23ZPO												
			YBR310,360												
32602	2FTBC DIESEL	4BE-1	Elf		3,636	4	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	8-94418-918-0/cyl
							2	105.0 × 2.5 × 4.3	TF ST			FC	PH	PH	
							O	105.0 × 5.0 × 4.8	2F			ST	PH	PH	
62602	2FT DIESEL	4BE-1	Elf		3,636	4	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	8-94418-918-0/cyl
							2	105.0 × 2.5 × 4.5	TF ST			FC	PH	PH	
							O	105.0 × 5.0 × 4.8	2F			ST	PH	PH	
32618	2FTBC DIESEL	4BG1	Elf		4,329	4	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	8-97123-833-0/cyl
							2	105.0 × 2.5 × 4.3	TF SP			FC	PH	PH	
							O	105.0 × 4.0 × 4.4	2F			FC	PH	PH	
32559	2FTBC DIESEL	6BF-1	Forward		6,130	6	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	5-12121-006/cyl
			JDR460,SDR370,420,422,480				2	105.0 × 2.5 × 4.3	TF SP			FC	PH	PH	1-12121-052/cyl
							O	105.0 × 5.0 × 4.8	2F			FC	PH	PH	
62559	2FT DIESEL	6BF-1	Forward		6,130	6	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	5-12121-006/cyl
			JDR460,SDR370,420,422,480				2	105.0 × 2.5 × 4.3	TF SP			FC	PH	PH	1-12121-052/cyl
							O	105.0 × 5.0 × 4.8	2F			FC	PH	PH	
32597	2FTBC DIESEL	6BG1	Forward		6,494	6	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	1-12121-065-0/cyl
							2	105.0 × 2.5 × 4.3	TF SP			FC	PH	PH	
							O	105.0 × 4.0 × 4.4	2F			FC	PH	PH	
32626	2FT DIESEL	6BG1-TC	Forward		6,494	6	T	105.0 × 3.5 × 4.0	BF			FD	PH	PH	1-12121-115-0/cyl
							2	105.0 × 2.5 × 4.5	TF ST			FC	PH	PH	
							O	105.0 × 4.0 × 4.4	2F			FC	PH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32703 1cyl/set	2FT	6BG1-TC DIESEL	Forward		6,494	6	T	105.0 × 3.5 × 4.0	BF			FD	PH	PH	1-12121-115-0/cyl
	2						105.0 × 2.5 × 4.5	TF ST			FC	PH	PH		
	O						105.0 × 4.0 × 4.4	2F			FC	PH	PH		
32681	2FT	6BG1T DIESEL				6	T	105.0 × 3.306 × 4.4	K BF			FD	PH	PH	1-12121-146-0
	2						105.0 × 2.5 × 4.3	TF ST			FC	PH	PH		
	3						105.0 × 2.5 × 4.4	TF SP			FC	PH	PH		
	O						105.0 × 4.0 × 4.4	2F			FC	PH	PH		
32695 1cyl/set	2FT	6BG1T DIESEL				6	T	105.0 × 3.306 × 4.4	K BF			FD	PH	PH	1-12121-146-0
	2						105.0 × 2.5 × 4.3	TF ST			FC	PH	PH		
	3						105.0 × 2.5 × 4.4	TF SP			FC	PH	PH		
	O						105.0 × 4.0 × 4.4	2F			FC	PH	PH		
32677	2FAC	4HE1 DIESEL	Elf		4,751	4	T	110.0 × 3.0 × 3.95	HK BF			ST	NT	NT	8-97078-779-0/cyl
	2						110.0 × 2.5 × 4.7	TF SP			FC	CH	PH		
	O						110.0 × 4.0 × 4.2	2F			ST	NT	NT		
32707	2FAC	4HE1-TC DIESEL	Truck Elf		4,751	4	T	110.04 × 3.0 × 4.0	HK BF			ST	NT	NT	8-97166-992-0
	2						110.04 × 2.0 × 3.9	TF SP			ST	NT	NT		
	3						110.04 × 1.2 × 3.7	TF			ST	FE	FE		
	O						110.04 × 3.0 × 3.25	2F			ST	NT	NT		
32606	2FAC	6HE1 DIESEL	Cubic Bus Forward		7,127	6	T	110.0 × 3.0 × 4.5	BF			FD	CH	PH	8-94396-840-0/cyl
	2						110.0 × 2.5 × 4.7	TF SP			FC	CH	PH		
	O						110.0 × 4.0 × 4.45	2F			ST	NT	NT		
32638	2FAC	6HE1-TC DIESEL	Forward		7,127	6	T	110.0 × 3.83 × 4.5	K BF			FD	CH	PH	8-94390-529-1/cyl
	2						110.0 × 3.0 × 4.4	TF			FC	CH	PH	8-94395-061-5/cyl	
	3						110.0 × 2.5 × 4.7	TF SP			FC	CH	PH		
	O						110.0 × 3.0 × 3.25	2F			ST	NT	NT		
32604	2FAC	4HF1 DIESEL	Elf		4,334	4	T	112.0 × 3.0 × 4.1	HK BF			ST	CH	NT	8-97109-462-0/cyl
	2						112.0 × 2.5 × 4.7	TF SP			FC	CH	PH		
	O						112.0 × 4.0 × 4.36	2F			ST	NT	NT		
32608	2FAC	4HF1 DIESEL	Elf		4,334	4	T	112.0 × 3.0 × 4.5	BF			FD	CH	PH	8-97028-691-0/cyl
	2						112.0 × 2.5 × 4.7	TF SP			FC	CH	PH		
	O						112.0 × 4.0 × 4.36	2F			ST	NT	NT		
32718	2FAC	4HK1 DIESEL			5,193	4	T	115.0 × 3.0 × 4.3	HK BF			ST	NT	NT	8-98167539-0
	2						115.0 × 3.0 × 4.8	TF BT			FC	CH	PH		
	O						115.0 × 4.0 × 4.2	2F			ST	NT	NT		
32631	2FAC	4HK1-TC DIESEL	Elf		5,193	4	T	115.0 × 3.0 × 3.95	HK BF			ST	NT	NT	8-97105-867-0/cyl
	2						115.0 × 2.5 × 4.8	TF			FC	CH	PH	8-97219-054-0/cyl	
	O						115.0 × 4.0 × 4.35	2F			ST	NT	NT		
32663	2FAC	4HK1-X DIESEL	Excavator Forklift Industrial Diesel		5,200	4	T	115.0 × 2.941 × 4.15	K BF			FD	CH	PH	8-98017-166-0/cyl
	2						115.0 × 2.0 × 4.3	TF BT			FD	CH	PH		
	3						115.0 × 2.5 × 4.8	TF SP			FC	CH	PH		
	O						115.0 × 3.0 × 3.15	2F			ST	NT	NT		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32684 1cyl/set	2FAC DIESEL	4HK1-X	Excavator Forklift Industrial Diesel		5,200	4	T	115.0 × 2.941 × 4.15	K	BF		FD	CH	PH	8-98017-166-0/cyl
							2	115.0 × 2.0 × 4.3		TF	BT	FD	CH	PH	
							3	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32692 1cyl/set	2FAC DIESEL	4HK1X				4	T	115.0 × 2.941 × 4.15	K	BF		ST	PV	NT	8-98017-166-0/cyl
							2	115.0 × 2.0 × 4.1		TF		ST	NT	NT	
							3	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32682 1cyl/set	2FAC DIESEL	4HK1/6HK1	Elf		5,193	4/6	T	115.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	8-97105-867-0/cyl
							2	115.0 × 2.5 × 4.8		TF		FC	CH	PH	8-97219-054-0/cyl
							O	115.0 × 4.0 × 4.35	2F			ST	NT	NT	8-97603-423-1/cyl
															8-98040-125-0/cyl
32645 1cyl/set	2FAC DIESEL	4HG1-T				4	T	115.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	8-98054-995-0
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.35	2F			ST	NT	NT	
32685 1cyl/set	2FAC DIESEL	4HG1-T				4	T	115.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	8-98054-995-0
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.35	2F			ST	NT	NT	
32658 1cyl/set	2FAC DIESEL	4HL				4	T	115.0 × 3.0 × 4.0		BF		ST	NT	NT	8-97331-641-0/cyl
							2	115.0 × 2.0 × 4.2		TF		FC	CH	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32632 1cyl/set	2FAC DIESEL	6HK1-TC	Forward		7,790	6	T	115.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	8-97603-423-1/cyl
							2	115.0 × 2.5 × 4.8		TF		FC	CH	PH	8-98040-125-0/cyl
							O	115.0 × 4.0 × 4.35	2F			ST	NT	NT	
32627 1cyl/set	2FAC DIESEL	6HH1			8,226	6	T	115.0 × 3.5 × 4.6		BF		FD	CH	PH	8-94390-799-0/cyl
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.2	2F			ST	NT	NT	
32646 1cyl/set	2FAC DIESEL	6HH1	Forward Journey		8,226	6	T	115.0 × 3.5 × 4.6		BF		FD	CH	PH	8-94390-799-0/cyl
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.2	2F			ST	NT	NT	
32701 1cyl/set	2FAC DIESEL	6HH1-2	Forward Journey Erga			6	T	115.0 × 3.5 × 4.6		BF		FD	CH	PH	8-94392-128-1
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 3.0 × 3.1	2F			ST	NT	NT	
32712 1cyl/set	2F DIESEL	6HK1-TC	Truck Erga		7,790	6	T	115.0 × 2.941 × 4.1	K	BF		ST	NT	NT	8-94391-502-4
							2	115.0 × 2.0 × 4.1		TF		ST	NT	NT	
							3	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32696 1cyl/set	2F DIESEL	6HL1-TC				6	T	115.0 × 2.941 × 4.15	K	BF		FD	CH	PH	8-97601-318-1
							2	115.0 × 2.50 × 4.8		TF	ST	FC	PH	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32580 1cyl/set	2F DIESEL	6SA-1 6SA-T	Truck Forward 200PS		8,413	6	T	115.0 × 3.0 × 4.6		BF		FD	CH	CH	1-12121-070-0/cyl
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	1-12121-113-0/cyl
							O	115.0 × 4.0 × 4.13	2F			ST	CH	FE	1-12121-075-0/cyl

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32548 1cyl/set	2FAC	10PA-1	Truck		12,464	10	T	115.0 × 3.0 × 4.6	BF			FD	CH	PH	1-12181-060/cyl
	DIESEL	8PA-1	SPK710,SPZ450D,SRG720				2	115.0 × 2.5 × 4.8	TF			FC	CH	PH	1-12181-016/cyl
		12PA-1	R,750				O	115.0 × 6.0 × 5.7	2F			FD	CH	PH	
			SRK701,710,SRM441,450 450D 650,651,701,710 SRZ440,441,450,451,580,650 VRR290,VRZ440 Bus CRA580,650												
32562 1cyl/set	2F	10PB-1	Truck,Bus		14,022	10	T	115.0 × 3.0 × 4.6	BF			FD	CH	PH	1-12121-043/cyl
	DIESEL	8PB-1	CSA580,650				2	115.0 × 2.5 × 4.8	TF	SP		FD	CH	PH	1-12181-058/cyl
		12PB-1	SSZ441,451,581,641,701				O	115.0 × 4.0 × 5.3	2F			FD	CH	PH	1-12181-061/cyl
			SRM701,SSG701 SSM701,SSZ581 VSR300,VSZ431												1-12181-069/cyl
32582 1cyl/set	2FACBC	10PC-1	Truck,Bus		15,014	10	T	119.0 × 3.0 × 4.6	BF			FD	CH	CH	1-12121-047-0/cyl
	DIESEL		CXM10,75ton				2	119.0 × 2.5 × 4.8	TF			FC	CH	PH	1-12121-048-0/cyl
			Hi-Decker				O	119.0 × 4.0 × 5.1	2F			FC	CH	PH	
32584 1cyl/set	2FAC	10PC-1A	Truck,Bus		15,014	10	T	119.0 × 4.0 × 4.6	BF			FD	CH	PH	1-12121-062-0/cyl
	DIESEL	10PC-1T					2	119.0 × 2.5 × 4.8	TF	SP		FD	CH	PH	1-12121-063-0/cyl
							O	119.0 × 4.0 × 4.54	2F			ST	CH	FE	
32603 1cyl/set	2FAC	10PD1	Truck,Bus		15,014	10	T	119.0 × 4.0 × 4.6	BF			FD	CH	PH	1-12121-063-2/cyl
	DIESEL						2	119.0 × 2.5 × 4.8	TF	SP		FD	CH	PH	
							O	119.0 × 4.0 × 4.65	2F			ST	NT	NT	
32637	2FAC	6SD1	Forward		9,839	6	T	120.0 × 3.5 × 4.9	BF			FD	CH	PH	1-12121-094-1/cyl
	DIESEL		CXG23				2	120.0 × 2.5 × 4.9	TF	SP		FC	CH	PH	
							O	120.0 × 5.0 × 4.95	2F			ST	CH	FE	
32508	DW	DH100	Truck,Bus		10,179	6	T	120.0 × 3.0 × 5.0	BF			FC	CH	CH	1-12181-050/cyl
	DIESEL		TD50,TD60,TD70,TD80				2	120.0 × 3.0 × 5.0	TF			FC	PH	PH	1-12181-068/cyl
			TD90,TD141,TD161				3	120.0 × 3.0 × 5.0	TF	SP		FC	PH	PH	
							O	120.0 × 6.0 × 5.3	2F			FC	CH	PH	
							O	120.0 × 6.0 × 4.8	1F			FC	CH	PH	
32519	DW	DH100A	Truck		10,179	6	T	120.0 × 3.0 × 5.0	BF			FC	CH	CH	1-12121-016/cyl
	DIESEL		TD50,62,70E,72,80E,90E				2	120.0 × 3.0 × 5.0	TF			FC	PH	PH	1-12181-001/cyl
			141,161,TP70E,81E,91E				3	120.0 × 3.0 × 5.0	TF	SP		FC	PH	PH	9-12181-083/cyl
			BC161,BU10				O	120.0 × 6.0 × 5.3	2F			FC	CH	PH	9-12181-086/cyl
			SLR350P,360,400T,401 600,670,VLR290,VRB290												9-12181-114/cyl
32567	DW	DH100-H	Bus		10,179	6	T	120.0 × 3.0 × 4.9	BF			FD	CH	CH	1-12121-017/cyl
	DIESEL		BC141,151,151P,161				2	120.0 × 3.0 × 5.0	TF			FC	PH	PH	1-12181-049/cyl
			BU05,10,15,20,20P,30,35P				O	120.0 × 6.0 × 5.5	2F			FC	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32522	DW DIESEL	D920	Truck		9,203	6	T	125.0 × 3.0 × 5.1	BF			FC	CH	CH	1-12121-021/cyl
			TD51,51D,61,70,71,71E				2	125.0 × 3.0 × 5.2	TF			FC	PH	PH	9-12181-115/cyl
			81E,91E				3	125.0 × 3.0 × 5.2	TF SP			FC	PH	PH	
			Bus				O	125.0 × 6.0 × 5.3	2F			FC	CH	PH	
			BU04D,05D,10D,15D,20,20D												
			10DP,15DP,20DP,35DP												
		E110	Truck		11,044										1-12121-022/cyl
			TG55E,75E												9-12181-153/cyl
			TM05E,15E,45,55,85E,95E												
			Bus												
			BU05E,10E,15E,20E,25EP												
32716 1cyl/set	2FAC DIESEL	6UZ			69,839	6	T	120.0 × 2.5 × 4.2	K	BF		ST	NT	NT	8-98056464-1
							2	120.0 × 2.0 × 4.1		TF	BT	FD	CH	PH	
							3	120.0 × 3.0 × 4.9		TF	SP	FD	CH	PH	
							O	120.0 × 3.0 × 3.9	2F			ST	NT	NT	
32541	DWAC DIESEL	D920	Tractor		9,203	6	T	125.0 × 3.0 × 5.1	BF			FD	CH	CH	1-12121-013/cyl
			TD35E				2	125.0 × 2.5 × 5.1	TF			FD	CH	PH	9-12181-137/cyl
							O	125.0 × 6.0 × 5.2	2F			FC	CH	PH	
32568	2FAC DIESEL	6QA-1	Truck, Bus		11,044	6	T	125.0 × 3.0 × 5.1	BF			FD	CH	CH	1-12121-028/cyl
			CJM470,DJR530,580				2	125.0 × 2.5 × 5.1	TF SP			FC	CH	PH	1-12121-046/cyl
			SJR361,461,531				O	125.0 × 6.0 × 5.45	2F			FC	CH	PH	
			TDJ50,72,78												
32633	2FACBC DIESEL	6QB2	Bus		11,781	6	T	125.0 × 4.0 × 4.8	BF			FD	CH	PH	1-12121-096-0/cyl
							2	125.0 × 2.5 × 5.1	TF SP			FC	CH	PH	
							O	125.0 × 6.0 × 6.16	2F			ST	CH	FE	
32642 1cyl/set	2FAC DIESEL	10PE-1					T	127.0 × 3.806 × 4.95	K	BF		FD	CH	PH	1-12121-129-1
							2	127.0 × 3.0 × 5.0		TF	BT	FC	CH	PH	
							3	127.0 × 3.0 × 5.2		TF	SP	FC	CH	PH	
							O	127.0 × 4.0 × 4.2	2F			ST	NT	NT	
32641	2FAC DIESEL	6WA1TC	GIGA		12,068	6	T	132.9 × 4.306 × 5.2	K	BF		FD	CH	PH	1-12121-117/cyl
							2	132.9 × 3.0 × 5.2		TF	ST	FC	CH	PH	1-12121-127/cyl
							3	132.9 × 3.0 × 5.5		TF	SP	FC	CH	PH	1-12121-136/cyl
							O	132.9 × 4.0 × 4.4	2F			ST	NT	NT	
32662	2FAC DIESEL	6WA1TC	GIGA		12,068	6	T	132.9 × 3.806 × 5.2	K	BF		FD	CH	PH	1-12121-139-0/cyl
							2	132.9 × 3.0 × 5.2		TF	ST	FC	CH	PH	1-12121-141-0/cyl
							3	132.9 × 3.0 × 5.5		TF	SP	FC	CH	PH	
							O	132.9 × 4.0 × 4.4	2F			ST	NT	NT	
32585	2FAC DIESEL	6RB-1,2	SHM,CXM		12,023	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	PH	1-12121-037-0/cyl
			SBM,CXM		13,741		2	135.0 × 2.5 × 5.5	TF SP			FD	CH	PH	1-12121-040/cyl
		6RA-1,2					O	135.0 × 5.0 × 6.2	2F			FC	CH	PH	
32610	2FAC DIESEL	6RB-T	Truck		13,741	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	CH	1-12121-102-1/cyl
							2	135.0 × 2.5 × 5.5	TF SP			FD	CH	PH	
							O	135.0 × 4.0 × 4.4	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32525	2F DIESEL	E120	Truck		12,023	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	PH	1-12121-023/cyl
			SPG470,540,580,650,720				2	135.0 × 2.5 × 5.5	TF			FC	CH	PH	9-12181-149/cyl
			SPM450,550,650,710				3	135.0 × 2.5 × 5.5	TF			FC	PH	PH	
			SPK650,710,SPR520				O	135.0 × 7.0 × 6.4	2F			FC	CH	PH	
			SPZ440,450,480,540												
			580,641,650												
			TGK55E,75E												
			TMK05E,15,27,45,48												
			57,67Z,68,78,95												
			Tractor												
			TDK35E												
32543	2FAC DIESEL	E120H	Truck		12,023	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	PH	1-12121-015/cyl
			SPM450,550,650,701,710				2	135.0 × 2.5 × 5.5	TF			FC	CH	PH	1-12121-024/cyl
			SPZ451,TDK46,50,75				O	135.0 × 7.0 × 6.4	2F			FC	CH	PH	1-12181-022/cyl
			VPR290,VPZ440												
			Bus												
32715	2FAC DIESEL	6WF1				6	T	142.9 × 2.919 × 5.35	K BF			ST	NT	NT	1-12121-147-0
							2	142.9 × 2.5 × 5.25	TF BT			ST	NT	NT	
							3	142.9 × 3.0 × 5.9	TF SP			FC	CH	PH	
							O	142.9 × 4.0 × 4.35	2F			ST	NT	NT	
32526	2FAC DIESEL	V170 V170-T	Bus		16,513	8	T	145.0 × 4.0 × 5.9	BF			FD	CH	CH	1-12121-025-0/cyl
			TV30,BH20				2	145.0 × 3.0 × 5.9	TF SP			FD	CH	PH	1-12181-008-0/cyl
							O	145.0 × 6.0 × 6.3	2F			FC	CH	PH	
32550	2FAC DIESEL	8MA-1 8MA-1T	Truck		16,513	8	T	145.0 × 4.0 × 5.9	BF			FD	CH	CH	1-12121-018/cyl
			SWG590,VWR340,360				2	145.0 × 3.0 × 5.9	TF SP			FD	CH	PH	1-12121-019/cyl
			VWZ430				O	145.0 × 6.0 × 6.2	2F			FC	CH	PH	1-12181-011/cyl 1-12181-032/cyl
32699	2FAC DIESEL	6WG1-TC	GIGA,TRACTOR		15,681	6	T	147.0 × 3.806 × 5.5	K BF			FD	CH	PH	1-12121-143-0
					14,256		2	147.0 × 3.0 × 5.8	TF ST			FD	CH	PH	
							3	147.0 × 3.0 × 6.0	TF SP			FC	CH	PH	
							O	147.0 × 4.0 × 4.3	2F			ST	NT	NT	
32698	2FAC DIESEL	6WG1-TMC	GIGA,TRACTOR		14,256	6	T	147.0 × 2.919 × 5.5	K BF			FD	CH	PH	1-12121-144-0
							2	147.0 × 2.5 × 5.5	TF BT			FD	CH	PH	
							3	147.0 × 3.0 × 6.0	TF SP			FC	CH	PH	
							O	147.0 × 4.0 × 4.3	2F			ST	NT	NT	
32697 1cyl/set	2FAC DIESEL	10TD1	GIGA			10	T	158.0 × 3.908 × 5.6	K BF			ST	PV	NT	1-12121-138-1/cyl
							2	158.0 × 2.5 × 5.9	TF BT			ST	CH	FE	
							3	158.0 × 2.5 × 5.9	TF SP			ST	CH	FE	
							O	158.0 × 4.0 × 5.0	2F			ST	NT	NT	

40

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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MAZDA

33715	3F	PB	Familia(323,GLC)	987	4	T	68.0 × 2.0 × 3.0	TF	FC	CH	PH	0249-23-170A
			1000Pick-Up			2	68.0 × 2.0 × 3.0	TF SP	FC	PH	PH	0259-23-170A
			Bongo Van,Truck			O	68.0 × 4.0 × 2.9	3F	ST	CH	PH	0259-23-206
			SPA,SPB,FPA,BPA BPB55,BPA55									0249-23-206
33756	3F	B1	Truck	987	4	T	68.0 × 1.2 × 2.5	BF	ST	CH	FE	B1YO-11-SCO
						2	68.0 × 1.5 × 3.1	TF SP	FC	PH	PH	B1Y1-11-SCOA
						O	68.0 × 3.0 × 2.9	3F	ST	CH	PH	
33752	3F	E1	Familia	1,100	4	T	70.0 × 1.2 × 3.2	BF	ST	CH	FE	E101-23-130
						2	70.0 × 1.5 × 3.1	TF SP	FC	PH	PH	
						O	70.0 × 4.0 × 3.25	3F	ST	CH	PH	
33711	3F	PC TB PA	Prest1200, 1200 Pick-up		4	T	70.0 × 2.0 × 3.1	BF	FC	CH	PH	0268-23-170
			Familia(323,GLC)			2	70.0 × 2.0 × 3.1	TF SP	FC	PH	PH	0271-23-206
			BTA55,65,BTAV			O	70.0 × 4.0 × 3.25	3F	ST	CH	PH	0211-23-999
			FA3PS,A-FA3PS,SPC,SPCV									0317-23-175 0317-23-130 0268-23-170A 0268-23-206
33757	3F	B3	CANVAS TOP	1,324	4	T	71.0 × 1.2 × 2.6	BF	ST	CH	FE	B3YO-11-SCO
						2	71.0 × 1.5 × 3.1	TF SP	FC	PH	PH	B3Y1-11-SCOA
						O	71.0 × 3.0 × 2.95	3F	ST	CH	PH	
33717	3F	TC	Familia(323,GLC)	1,272	4	T	73.0 × 2.0 × 3.1	TF	FC	CH	PH	0324-23-175
			BTA,STB,STC,BS7C,HSTBU			2	73.0 × 2.0 × 3.1	TF SP	FC	PH	PH	0324-23-130
			FA2T55,65,FA3TS,Prest 1300			O	73.0 × 4.0 × 3.2	3F	ST	CH	FE	
			Truck BTA67									
33739	3F	TC(NEW)	Familia(323,GLC)	1,272	4	T	73.0 × 1.5 × 2.7	BF	ST	CH	FE	8034-23-130
			Bongo(E1300)			2	73.0 × 1.5 × 3.1	TF SP	FC	PH	PH	8034-23-130A
			Pick-Up, Van,FA4T,BA2T8			O	73.0 × 4.0 × 3.25	3F	ST	CH	PH	
33804	3F	ZJ	Demio	1,348	4	T	74.0 × 1.0 × 2.5	BF BT	ST	CH	FE	ZJY4-11-SCO
						2	74.0 × 1.0 × 2.5	TF SP	ST	FE	FE	
						O	74.0 × 2.0 × 2.25	3F	ST	NT	PH	
33806	3F	ZJ-VE	Demio	1,348	4	T	74.0 × 1.2 × 2.4	BF BT	ST	CH	FE	ZJY1-11-SCO
			MAZDA2			2	74.0 × 1.2 × 2.9	TF SP	FC	PH	PH	
						O	74.0 × 2.5 × 2.5	3F	ST	CH	PH	
33803	3F	K8-DE	MX-3	1,844	6	T	75.0 × 1.5 × 2.8	BF	ST	NT	NT	K8Y2-11-SCO
			EUNOS 500			2	75.0 × 1.5 × 3.2	TF SP	FC	PH	PH	
			MS-6			O	75.0 × 3.0 × 2.65	3F	ST	NT	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
33724	3F	UA	Craft 1500		1,484	4	T	75.0 × 2.5 × 3.3	BF	FC	CH PH	0603-23-170A
			Truck				2	75.0 × 2.5 × 3.3	TF SP	FC	PH PH	0603-23-999
			BUD61,61P,DUC9,9C,9V				O	75.0 × 4.0 × 3.2	3F	ST	CH FE	0107-11-999
			TUB81,85									
33726	3F	UA(NEW)	Craft(E1500)-New		1,484	4	T	75.0 × 2.0 × 3.3	BF	FD	CH PH	0571-23-170
			DUE91,DUE95,DUC99				2	75.0 × 2.0 × 3.3	TF	FC	PH PH	0571-23-180
							O	75.0 × 4.0 × 3.2	3F	ST	CH PH	
33807	3F	L8-DE	MAZDA5, MAZDA6		1,798	4	T	83.0 × 1.2 × 2.75	BF	ST	CH FE	L8Y1-11-SCOA
			MX-5, PREMACY				2	83.0 × 1.2 × 3.3	TF	FC	PH PH	
							O	83.0 × 2.5 × 2.75	3F	ST	CH PH	
33787	3F	Z5	Protege		1,489	4	T	75.3 × 1.0 × 2.7	BF	ST	NT NT	Z5YO-11-SCO
							2	75.3 × 1.2 × 3.1	TF SP	FC	PH PH	
							O	75.3 × 2.5 × 2.4	3F	ST	NT PH	
33743	3FACBC	E3	Familia(323,GLC)		1,296	4	T	77.0 × 1.2 × 3.25	BF	ST	CH FE	E301-23-130
			BD1031				2	77.0 × 1.5 × 3.2	TF SP	FC	CH PH	E301-23-130A
		E5	Familia(323,GLC)		1,490		O	77.0 × 4.0 × 3.25	3F	ST	NT NT	
33750	3F	E5-2	BD1051 FORD LASER									
			323-FWD		1,490	4	T	77.0 × 1.5 × 3.1	BF	ST	CH FE	E302-23-130A
							2	77.0 × 2.0 × 3.3	TF SP	FC	PH PH	
33741	3F	UC					O	77.0 × 4.0 × 3.25	3F	ST	NT NT	
			Familia(323,GLC)		1,415	4	T	77.0 × 1.5 × 3.2	BF	FD	CH PH	8569-23-130
							2	77.0 × 1.5 × 3.2	TF	FC	PH PH	8569-23-130A
33759	3F	B6					O	77.0 × 4.0 × 3.25	3F	ST	CH PH	
			Familia Van		1,597	4	T	78.0 × 1.5 × 3.1	BF	ST	CH PH	B6Y3-11-SCOA
			Capella				2	78.0 × 1.5 × 3.4	TF SP	FC	PH PH	B6Y6-11-SCOA
33793	3F	B6-2					O	78.0 × 3.0 × 3.0	3F	ST	NT PH	
			Familia Van		1,597	4	T	78.0 × 1.5 × 3.1	BF	ST	CH PH	B6YO-11-SCOA
			Capella Cargo Van				2	78.0 × 1.5 × 3.4	TF SP	FC	PH PH	
33755	2F DIESEL	PN	Familia Wagon				O	78.0 × 4.0 × 2.9	3F	ST	NT NT	
			Familia Diesel		1,720	4	T	78.0 × 2.0 × 2.75	BF	ST	NT NT	PN11-11-SCO
							2	78.0 × 1.5 × 3.2	TF BT	FC	CH PH	
33719	3F	VB,NA			1,586	4	O	78.0 × 3.0 × 3.55	2F	ST	NT PH	
			Familia(626),SNA,B-SNA				T	78.0 × 1.5 × 3.6	TF	FC	CH PH	0290-23-130
			Familia 1600,H-SN3AV				2	78.0 × 1.5 × 3.6	TF SP	FC	PH PH	0305-23-130
		NA	SN3A,SN3AV		1,796		O	78.0 × 4.0 × 3.55	3F	ST	CH PH	0484-23-130
			SN4A,B-SN4A									0494-23-130
			Luce(929)1800									3763-23-130
		VB	Truck		1,796							
			BNA61,H-BN61									
			FORD Courier									D27Z6149
												D77Z6108

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference		
									①	②	③		Outside	Upper/ Lower			
33742	3F	NA(NEW)	Capella(626)		1,796	4	T	78.0 × 1.2 × 3.3	BF			ST	CH	FE	8170-23-130		
			2				78.0 × 1.5 × 3.6	TF SP			PH		PH	8170-23-130A			
			O				78.0 × 4.0 × 3.55	3F			CH		PH	8658-23-130			
									H604-23-130								
33746	3F	NA-2	Luce-B1600		1,586	4	T	78.0 × 1.5 × 3.5	BF			ST	CH	FE	H617-23-130		
			2				78.0 × 2.0 × 3.6	TF SP			PH		PH				
			O				78.0 × 4.0 × 3.25	3F			NT		PH				
33714	3F	UB,VB	Luce(929)		1,490	4	T	78.0 × 2.0 × 3.6	TF			FC	CH	PH	0222-23-206		
			2				78.0 × 2.0 × 3.6	TF			PH		PH	0222-23-130			
			O				78.0 × 4.0 × 3.55	3F			CH		PH				
33788	3F	ZL	Protege		1,597	4	T	78.0 × 1.2 × 2.55	BF			ST	CH	FE	ZLYO-11-SCO		
			2				78.0 × 1.5 × 3.1	TF SP			PH		PH				
			O				78.0 × 3.0 × 2.85	3F			CH		PH				
33795	3F	ZY-VE	Demio		1,500	4	T	78.0 × 1.2 × 2.5	BF			ST	CH	FE	ZYY1-11-SCO		
			2				78.0 × 1.2 × 3.2	TF SP			PH		PH	ZYY2-11-SCO			
			O				78.0 × 2.5 × 2.3	3F			NT		NT				
33728	3F	VC	Luce(929)		1,769	4	T	80.0 × 2.0 × 3.7	BF			FC	CH	PH	0453-23-130		
			2				80.0 × 2.0 × 3.7	TF SP			PH		PH	0453-23-130B			
		MA	LA2V,LA3V,2VV						O	80.0 × 4.0 × 3.55	3F			CH	PH	3975-23-130	
			3VS,C-LA30S COSMO(121),C-CD2VC						1,970								
33737	3F	VC(NEW)	Luce(929L)		1,769	4	T	80.0 × 1.2 × 3.5	BF			ST	CH	FE	8682-23-130		
		MA(NEW)	B1800 Pick-Up,Bongo		1,970	2	80.0 × 1.5 × 3.6	TF SP			PH		PH	8682-23-130A			
			LA4V,LA4M,LA2V			O	80.0 × 4.0 × 3.35	3F			CH		PH	HE18-23-130			
			CB2V,CD2V														
			BA2V8H,BA2V9H														
			Cosmo(121L)														
			LA4M,CD3M,CB2M														
FORD Courier		1,970						D97Z-6149									
33745	3F	MA-2 VB	Cosmo		1,970	4	T	80.0 × 1.5 × 3.4	BF			FD	CH	PH	HE05-23-130		
			Luce			2	80.0 × 2.0 × 3.7	TF SP			PH		PH				
						O	80.0 × 4.0 × 3.25	3F			NT		PH				
33748	3F	F6	626FWD		1,587	4	T	81.0 × 1.5 × 3.2	BF			ST	CH	FE	F601-23-130		
						2	81.0 × 1.5 × 3.6	TF SP			PH		PH				
						O	81.0 × 4.0 × 3.25	3F			NT		PH				
33725	3F	VA EVB	EVA12,TVA,EVB,EVX		1,985	4	T	82.0 × 2.0 × 3.6	TF			FC	CH	PH	1352-23-130		
			G2000			2	82.0 × 2.0 × 3.6	TF			PH		PH	0552-23-180			
						O	82.0 × 4.5 × 3.55	3F			CH		PH	0552-23-190			
33769	3F	BP	Familia		1,800	4	T	83.0 × 1.5 × 3.1	BF			ST	NT	NT	BPY1-11-SCO		
						2	83.0 × 1.5 × 3.6	TF SP			PH		PH				
						O	83.0 × 3.0 × 2.95	3F			NT		PH				

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33791	3F	FPD, FSD				4	T	83.0 × 1.2 × 3.1	BF	BT		ST	CH	FE	FSY2-11-SCOA
							2	83.0 × 1.5 × 3.6	TF	SP		FC	PH	PH	
							O	83.0 × 3.0 × 3.05	3F			ST	CH	PH	
33761	3F	FS	FORD NEW TELSTAR		1,800	4	T	83.0 × 1.2 × 3.15	BF	BT		ST	NT	NT	FSY2-11-SCO
							2	83.0 × 1.5 × 3.6	TF	SP		FC	PH	PH	
							O	83.0 × 3.0 × 3.05	3F			ST	CH	PH	
33762	3F	FS	FORD NEW TELSTAR		1,800	4	T	83.0 × 1.2 × 3.1	BF	BT		ST	CH	FE	FSY2-11-SCOA
							2	83.0 × 1.5 × 3.6	TF	SP		FC	PH	PH	
							O	83.0 × 3.0 × 2.95	3F			ST	CH	PH	
33768	3F	KL	Capella Wagon		2,500	6	T	84.5 × 1.5 × 3.1	BF			ST	CH	PH	KLY2-11-SCOA
							2	84.5 × 1.5 × 3.6	TF	SP		FC	PH	PH	
							O	84.5 × 3.0 × 2.9	3F			ST	CH	PH	
33747	3F	F8	Capella, Luce, Cosmo 626FWD E-GC8		1,789	4	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	F801-23-130
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	F801-23-130A
							O	86.0 × 4.0 × 3.25	3F			ST	NT	PH	
33800	3F	FE	Luce Eunos300 Bongo		1,998	4	T	86.0 × 1.5 × 3.3	BF			ST	NT	NT	F2Y1-11-SCO
							2	86.0 × 1.5 × 3.8	SF			FC	PH	PH	F2Y2-11-SCO
							O	86.0 × 4.0 × 3.4	3F			ST	NT	NT	
33751	2F DIESEL	R2	J100, Bongo N-SD2		2,184	4	T	86.0 × 2.0 × 3.1	BF	BT		ST	CH		R201-23-130A
							2	86.0 × 2.0 × 3.6	TF	ST		FC	PH	PH	R201-23-130B
							O	86.0 × 4.0 × 4.25	2F			ST	NT	NT	
33760	2F DIESEL	R2(New)	Bongo		2,184	4	T	86.0 × 2.0 × 3.1	BF	BT		ST	CH		R2B6-11-SCO
							2	86.0 × 2.0 × 3.6	TF	ST		FC	PH	PH	
							O	86.0 × 3.0 × 3.3	2F			ST	NT	NT	
33789	2FAC DIESEL	RFX RFT	Capella		2,000	4	T	86.0 × 2.0 × 2.95	HK	BF		ST	NT	NT	RFO1-23-130
							2	86.0 × 2.0 × 3.6	TF	ST		FC	CH	PH	RFYO-11-SCOD
							O	86.0 × 4.0 × 4.2	2F			ST	NT	NT	
33790	3F	LF-DE L3	MAZDA6		2,000	4	T	87.5 × 1.2 × 2.7	BF			ST	NT	NT	L3Y1-11-SCOA
							2	87.5 × 1.2 × 3.3	TF	SP		FC	PH	PH	L3Y6-11-SCO
							O	87.5 × 2.5 × 2.55	3F			ST	CH	PH	LFY1-11-SCOA FORD:AS7J6148BA L3Y3-11-SCO
33805	2F	L3T	Axela, Atenza		2,500	4	T	87.5 × 1.5 × 3.1	BF			ST	NT	NT	L3Y4-11-SCO
							2	87.5 × 1.5 × 3.7	TF	SP		FC	PH	PH	
							O	87.5 × 2.0 × 2.75	2F			ST	NT		
33723	PS DIESEL	YA EYA	E3500 E3800		3,783	6	T	88.9 × 2.383 × 3.5	TF			FD	CH	PH	0727-23-206
							2	88.9 × 2.383 × 3.5	SF	ST		FD	PH	PH	0727-23-207
							3	88.9 × 2.383 × 3.5	SF	ST		FD	PH	PH	0727-23-210
							O	88.9 × 4.76 × 3.5	1F			FC	CH	PH	0728-23-206
							O	88.9 × 4.76 × 3.5	1F			FC	CH	PH	0728-23-207

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33721	PS DIESEL	XA EXA	Truck		2,522	4	T	88.9 × 2.38 × 3.5	TF			FD	CH	PH	0559-23-206
			E2500, EXA32S, 33S, 35S				2	88.9 × 2.38 × 3.5	SF	ST		FD	CH	PH	0559-23-207
			44S, 74S, EXB43S				3	88.9 × 2.38 × 3.5	SF	ST		FD	CH	PH	0636-23-206
			Bus				O	88.9 × 4.76 × 3.5	1F			FD	CH	PH	0636-23-207
			AEKA, AEXA, AEXB				O	88.9 × 4.76 × 3.5	1F			FC	PH	PH	0636-23-210
33744	2F DIESEL	S2	Luce(929L), Bongo		2,209	4	T	88.9 × 2.383 × 3.5	BF			FD	CH	PH	1456-23-206
			LA4S, BA2S8, BA2S9				2	88.9 × 2.383 × 3.5	TF	ST		FD	PH	PH	
		XA(NEW)	Titan E2500 WEW051		2,522		O	88.9 × 4.76 × 4.2	2F			FC	CH	PH	
33784	3F	G6	MPV			4	T	92.0 × 1.5 × 3.25	BF			ST	CH	FE	G601-11-SCOA
							2	92.0 × 1.5 × 3.9	TF			FC	PH	PH	
							3	92.0 × 4.0 × 2.95	3F			ST	CH	PH	
33730	PS DIESEL	XB EXC	Titan E2700		2,701	4	T	92.0 × 2.38 × 3.6	SF			FD	CH	PH	0527-23-206
			EXM, EXC13, EXC43				2	92.0 × 2.38 × 3.6	SF	ST		FC	PH	PH	0528-23-206
							3	92.0 × 2.38 × 3.6	SF	ST		FC	PH	PH	
							O	92.0 × 4.76 × 3.6	1F			FD	CH	PH	
							O	92.0 × 4.76 × 3.6	1F			FC	PH	PH	
33731	PS DIESEL	ZB EZA XB	Titan E4100		4,052	6	T	92.0 × 2.38 × 3.6	BF			FD	CH	PH	0784-23-206
			EZA, EZB				2	92.0 × 2.38 × 3.6	SF	ST		FC	PH	PH	
							3	92.0 × 2.38 × 3.6	SF	ST		FC	PH	PH	
							O	92.0 × 4.76 × 3.6	1F			FD	CH	PH	
							O	92.0 × 4.76 × 3.6	1F			FC	PH	PH	
33767	2FAC DIESEL	ZB, XB	Trader		4,100	6	T	92.026 × 2.383 × 3.6	BF			FD	CH	PH	V101-23-206
							2	92.026 × 2.383 × 3.6	TF	ST		FC	CH	PH	
							O	92.026 × 4.763 × 4.3	2F			FC	CH	PH	
33799	2FAC DIESEL	WE WL	BT-50 2.5 16V		2,500	4	T	93.0 × 2.0 × 3.3	BF	BT		ST	NT	NT	WLY6-11-SCO
							2	93.0 × 1.5 × 3.3	TF			FC	CH	PH	
							O	93.0 × 2.0 × 2.8	2F			ST	NT	NT	
33781	2FAC DIESEL	WL	Bongo		2,500	4	T	93.0 × 2.5 × 3.55	BF	BT		ST	NT	NT	WLY1-11-SCO
			Ford				2	93.0 × 2.0 × 3.9	TF	BT		FC	CH	PH	
							O	93.0 × 3.0 × 3.9	2F			ST	NT	NT	
33735	2FAC DIESEL	HA	Titan E3000, T3000		2,977	4	T	95.0 × 2.383 × 3.8	BF			FD	CH	PH	1363-23-206
			WEWOF1, WEYOF1				2	95.0 × 2.383 × 3.8	BF	ST		FD	CH	PH	SE01-23-130
			Parkway Bus, TA3H				O	95.0 × 4.763 × 4.25	2F			FC	CH	PH	SE01-23-206
33783	2FAC DIESEL	W9	B2900			4	T	95.0 × 2.5 × 3.55	BF			ST	NT	NT	W9Y1-11-SCO
							2	95.0 × 2.0 × 3.9	TF			FC	CH	PH	
							O	95.0 × 3.0 × 3.4	2F			ST	NT	NT	
33802	2FAC DIESEL	WE-2	BT50 3.0L			4	T	96.0 × 2.0 × 3.3	BF	BT		ST	PV		WEY1-11-SCO
							2	96.0 × 1.5 × 3.4	TF			ST	NT	NT	
							O	96.0 × 2.0 × 2.8	2F			ST	NT	NT	
33794	2F DIESEL	VS	Titan			4	T	98.0 × 2.5 × 3.35	BF			ST	NT	NT	VSY1-11-SCOD
							2	98.0 × 2.0 × 3.9	TF	ST		FC	CH	PH	
							O	98.0 × 3.0 × 3.15	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape	Material	Surface Treatment		Reference
									① ② ③		Outside	Upper/ Lower	
33765	2FAC DIESEL	SL	Titan,Truck		3,455	4	T	100.0 × 2.5 × 4.1	BF	ST	CH	FE	SL07-23-206
							2	100.0 × 2.0 × 4.2	TF ST	FC	CH	PH	
							O	100.0 × 4.5 × 4.26	2F	ST	CH	FE	
33785	2FAC DIESEL	SL	Trader		3,455	4	T	100.0 × 2.5 × 4.2	HK BF	FD	CH	PH	SL01-23-206A
			Titan	2			100.0 × 2.0 × 4.2	TF ST	FC	CH	PH		
				O			100.0 × 4.5 × 4.26	2F	ST	CH	FE		
33801	2FAC DIESEL	SL	Titan		3,455	4	T	100.0 × 2.5 × 4.2	BF	ST	NT	NT	SL50-11-SCO
				2			100.0 × 2.0 × 4.2	TF ST	FC	CH	PH	SL07-23-206	
				O			100.0 × 4.5 × 4.26	2F	ST	CH	FE	K4Y0-11-SCO	
33766	2FAC DIESEL	TF	Titan		4,000	4	T	105.505 × 2.5 × 4.5	HK BF BB	FD	CH	PH	TF01-11-SCO
				2			105.505 × 2.0 × 4.6	TF ST	FC	CH	PH		
				O			105.505 × 4.5 × 4.5	2F	ST	CH	FE		
33780	2FAC DIESEL	TM				4	T	109.0 × 3.0 × 3.95	HK BF BB	ST	NT	NT	TMYO-11-SCO
				2			109.0 × 2.0 × 4.6	TF ST	FC	CH	PH		
				O			109.0 × 3.0 × 3.76	2F	ST	NT	NT		

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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mitsubishi

33973	3F	4A30			660	4	T	60.0 × 1.0 × 2.0	BF	ST	CH FE	MD301853
							2	60.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	60.0 × 2.5 × 2.45	3F	ST	CH PH	
33971	3F	4A30T			660	4	T	60.0 × 1.0 × 2.0	BF	ST	CH FE	MD301870
							2	60.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	60.0 × 2.5 × 2.45	3F	ST	CH PH	
33844	3F	2G21	Minica F4,2G,21,A102,103		359	2	T	62.0 × 1.5 × 2.8	BF	FC	CH PH	MD016760 MD016765
							2	62.0 × 1.5 × 2.8	TF	FC	PH PH	
							O	62.0 × 2.5 × 2.8	3F	ST	CH PH	
33460	3F	3G83				3	T	65.0 × 1.0 × 2.25	BF	ST	CH FE	1110B685
							2	65.0 × 0.8 × 2.5	TF	FD	PH PH	
							O	65.0 × 2.0 × 1.95	3F	ST	CH PH	
33847	3F	2G22	Minica 2G,22		471	2	T	65.0 × 1.5 × 2.8	BF	FC	CH PH	MD019470
							2	65.0 × 1.5 × 2.8	TF	FC	PH PH	
							O	65.0 × 2.5 × 2.8	3F	ST	CH PH	
33896	3F	3G82	Minica		660	3	T	65.0 × 1.5 × 2.6	BF	ST	CH FE	MD120081
							2	65.0 × 1.5 × 2.9	TF	FC	CH PH	
							O	65.0 × 2.8 × 2.6	3F	ST	CH PH	
33972	3F	3G83-N	Minica		660	3	T	65.0 × 1.0 × 2.25	BF	ST	CH FE	MD362974
							2	65.0 × 0.8 × 2.5	TF	FD	PH PH	
							O	65.0 × 2.0 × 2.45	3F	ST	CH PH	
33974	3F	3G83-N	Minica		660	3	T	65.0 × 1.2 × 2.3	BF	ST	CH FE	MD160195
							2	65.0 × 1.2 × 2.9	TF	FC	PH PH	
							O	65.0 × 2.8 × 2.45	3F	ST	CH PH	
33930	3F	4G82	Minica			4	T	65.0 × 1.5 × 2.6	BF	ST	CH FE	
							2	65.0 × 1.5 × 2.9	TF	FC	CH PH	
							O	65.0 × 2.8 × 2.6	3F	ST	CH PH	
33995	3F	4A31	Pajero Toppo		1,094	4	T	66.0 × 1.0 × 2.2	BF	ST	CH FE	
							2	66.0 × 1.2 × 2.9	TF	FC	PH PH	
							O	66.0 × 2.5 × 2.75	3F	ST	CH PH	
33857	3FBC	4G11-G	Colt		1,244	4	T	68.2 × 1.5 × 3.1	BF	FC	CH CH	MD030360
		4G11-EC					2	68.2 × 1.5 × 3.1	TF	FC	NT NT	MD031730
		4G16-C					O	68.2 × 4.0 × 3.3	3F	ST	CH PH	MD115495
33858	3F	4G11	Mirage,Lancer		1,244	4	T	69.5 × 1.5 × 3.1	BF	FC	CH PH	MD030350
			Dodge Colt				2	69.5 × 1.5 × 3.1	TF	FC	PH PH	MD031670
			A155,A151,A141,A171				O	69.5 × 4.0 × 3.2	3F	ST	CH PH	
33855	3F	2G23	Minica		550	2	T	70.0 × 1.5 × 3.1	BF	FC	CH PH	MD019610
			Mini Cab Wide55				2	70.0 × 1.5 × 3.1	TF	FC	PH PH	
			L100,A105,A106 L013 MAZDA Porter Cab,PC4D				O	70.0 × 2.5 × 2.8	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33894	3FAC	2G23	Minica		550	2	T	70.0 × 1.5 × 2.9	BF			ST	CH	FE	MD011965
			Mini Cab Wide55		2	70.0 × 1.5 × 3.1	TF			FC	CH	PH			
			L100,A105,A106		O	70.0 × 2.5 × 2.9	3F			ST	CH	PH			
			L013												
			MAZDA Porter Cab,PC4D												
33446	2F	L2C,L3C					T	70.0 × 2.0 × 2.55	BF			ST	NT	NT	MN433712
1cyl/set	DIESEL			2	70.0 × 2.0 × 3.0	TF ST			FC	PH	PH				
				O	70.0 × 3.0 × 3.55	2F			ST	NT	NT				
33897	3F	4G13(NEW)	Lancer,Mirage		1,298	4	T	71.0 × 1.2 × 2.55	BF			ST	NT	NT	MD158908
			Proton Wira		2	71.0 × 1.5 × 3.1	TF			FC	PH	PH			
				O	71.0 × 3.0 × 2.85	3F			ST	NT	NT				
33401	3FAC	4G13-C				4	T	71.0 × 1.5 × 3.0	BF			ST	NT	NT	MD156170
				2	71.0 × 1.5 × 3.1	TF			FC	PH	PH				
				O	71.0 × 4.0 × 3.2	3F			ST	NT	NT				
33944	3F	4G13-N	Lancer,Mirage		1,298	4	T	71.0 × 1.2 × 2.55	BF			ST	NT	NT	MD335422
				2	71.0 × 1.5 × 2.9	TF			FC	PH	PH				
				O	71.0 × 2.8 × 2.5	3F			ST	NT	NT				
33841	2F	4G42	Lancer 1200		1,187	4	T	71.0 × 2.0 × 3.3	BF			FC	CH	PH	MD010755
			Colt 1200		2	71.0 × 2.0 × 3.3	TF			FC	PH	PH	MD010850		
			A71,71V,H-71V		O	71.0 × 4.0 × 4.0	2F			FC	CH	PH			
33875	3F	G13-B 4G13-C	Mirage		1,298	4	T	71.0 × 1.5 × 3.1	BF			FC	CH	CH	MD074687
			Lancer C11A		2	71.0 × 1.5 × 3.1	TF			FC	NT	NT	MD078543		
				O	71.0 × 4.0 × 3.3	3F			ST	CH	PH	MD115490			
33880	3F	4G36-EC	Mirage,Colt			4	T	71.8 × 1.5 × 3.2	BF			FC	CH	PH	MD009539
				2	71.8 × 1.5 × 3.2	TF			FC	PH	PH				
				O	71.8 × 4.0 × 3.2	3F			ST	CH	PH				
33900	3F	4G17	Mirage,Colt		1,300	4	T	72.2 × 1.2 × 2.55	BF			ST	NT	NT	MD165325
				2	72.2 × 1.5 × 3.1	TF			FC	PH	PH				
				O	72.2 × 3.0 × 2.85	3F			ST	NT	NT				
33830	3F	4G30	GALANT A51,51H,51V		1,298	4	T	73.0 × 2.0 × 3.3	BF			FC	CH	PH	MD000770
			Lancer 1400		2	73.0 × 2.0 × 3.3	TF			FC	PH	PH			
			A72,72V,B-A72		O	73.0 × 4.0 × 3.15	3F			ST	CH	PH			
			H-A72U												
			Galant 1200,55C,A62												
33856	3F	4G33 4G33(NEW) 4G33-H	Lancer,Celeste,Delica		1,439	4	T	73.0 × 1.5 × 2.7	BF			ST	CH	FE	MD009625
			L300,A72,L031		2	73.0 × 1.5 × 3.1	TF SP			FC	PH	PH			
			Fork Lift		O	73.0 × 4.0 × 3.25	3F			ST	CH	PH			
			FG10,FG15												
33895	3F	4G33-C	Lancer,Celeste,Delica		1,439	4	T	73.0 × 1.5 × 2.7	BF			ST	CH	FE	MD115500
				2	73.0 × 1.5 × 3.1	TF SP			FC	PH	PH				
				O	73.0 × 4.0 × 3.25	3F			ST	CH	PH				

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33907	3F	4G33-H	GALANT A51,51H,51V		1,298	4	T	73.0 × 1.5 × 2.7	BF			ST	CH	FE	MD034010
		4G33(OLD)	Lancer 1400		1,439		2	73.0 × 1.5 × 3.1	TF	SP		FC	PH	PH	
		4G36	A72,72V,B-A72				O	73.0 × 4.0 × 3.25	3F			ST	CH	PH	
			H-A72U Galant 1200,55C,A62												
33859	3F	G12	Lancer,Celeste		1,410	4	T	74.0 × 1.5 × 3.25	BF			FC	CH	PH	MD030355
		4G12	Mirage,Dodge Colt				2	74.0 × 1.5 × 3.25	TF			FC	PH	PH	MD031700
		G12-H	Plymouth Champ				O	74.0 × 4.0 × 3.25	3F			ST	CH	PH	MD012025
		G120-V	A142,A152,A156,A172												MD012035
		G12-T													
33883	3F	G31	Mirage C18A		1,499	4	T	74.5 × 1.5 × 3.0	BF			ST	CH	FE	MD107368
		G31-B	Hyundai 23433-31500				2	74.5 × 1.5 × 3.4	TF			FC	PH	PH	23433-31500
		4G31-B					O	74.5 × 4.0 × 3.2	3F			ST	CH	PH	(Hyundai)
33400	3F	6G71				6	T	74.7 × 1.5 × 3.25	BF			ST	CH	FE	MD104889
							2	74.7 × 1.5 × 3.3	TF			FC	PH	PH	
							O	74.7 × 4.0 × 3.15	3F			ST	CH	PH	
33462	3F	3,4A92	Lancer			3	T	75.0 × 1.0 × 2.3	BF			ST	NT	NT	1110C488
			Attrage				2	75.0 × 1.2 × 2.7	TF			FC	PH	PH	1110B699
							O	75.0 × 2.0 × 1.85	3F			ST	PV	PH	
33464 1cyl/set	3F	3,4A92	Lancer			3	T	75.0 × 1.0 × 2.3	BF			ST	NT	NT	1110C488
			Attrage				2	75.0 × 1.2 × 2.7	TF			FC	PH	PH	1110B699
							O	75.0 × 2.0 × 1.85	3F			ST	PV	PH	
33450	3F	4A91	COLT		1,498	4	T	75.0 × 1.2 × 2.7	BF			ST	NT	NT	MN195612
							2	75.0 × 0.8 × 2.55	TF			ST	FE	FE	
							O	75.0 × 2.0 × 1.95	3F			ST	CH	PH	
33998	3F	6A11-S4				6	T	75.0 × 1.2 × 2.85	BF			ST	CH	FE	MD189109
							2	75.0 × 1.2 × 3.3	TF			FC	PH	PH	
							O	75.0 × 2.8 × 2.55	3F			ST	CH	PH	
33898	3F	4G15(NEW)	Lancer,Mirage,Proton		1,468	4	T	75.5 × 1.2 × 2.75	BF			ST	NT	NT	MD158549
			Libero Cago, R-CB2V				2	75.5 × 1.5 × 3.3	TF			FC	PH	PH	MD180804
							O	75.5 × 3.0 × 2.85	3F			ST	NT	NT	
33403	3F	4G15L			1,468	4	T	75.5 × 1.2 × 2.8	BF	BT		ST	CH	FE	MD187168
							2	75.5 × 1.5 × 3.0	TF			FC	PH	PH	
							O	75.5 × 3.0 × 2.85	3F			ST	CH	PH	
33946	3F	4G15-S3	Lancer,Mirage		1,468	4	T	75.5 × 1.2 × 2.75	BF			ST	NT	NT	MD331313
							2	75.5 × 1.5 × 3.2	TF			FC	PH	PH	
							O	75.5 × 2.8 × 2.5	3F			ST	NT	NT	
33468	3F	4G15				4	T	75.5 × 1.2 × 2.7	BF			ST	NT	NT	MD372395
							2	75.5 × 1.2 × 3.3	TF	SP		FC	PH	PH	
							O	75.5 × 2.5 × 2.2	3F			ST	CH	PH	
33405	3FAC	4G19 75.5				4	T	75.5 × 1.0 × 2.7	BF			ST	NT	NT	MN119569
							2	75.5 × 1.2 × 2.7	TF	SP		FC	PH	PH	
							O	75.5 × 2.0 × 2.0	3F			ST	CH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33876	3F	G15-B	Mirage,Lancer		1,468	4	T	75.5 × 1.5 × 3.3	BF			FC	CH	PH	MD074725
		G15-H	Colt C12A,C52A,C62A			2	75.5 × 1.5 × 3.3	TF			FC	PH	PH	MD078548	
		G15-C	Proton			O	75.5 × 4.0 × 3.2	3F			ST	CH	PH	MD104656	
		4G15													
33432	3F	G15-C				4	T	75.5 × 1.5 × 3.3	BF			ST	NT	NT	MD156165
			2	75.5 × 1.5 × 3.3	TF			FC	PH	PH					
			O	75.5 × 4.0 × 3.2	3F			ST	NT	NT					
33882	3FAC	2G24	Minica		548	2	T	76.0 × 1.5 × 3.3	BF			ST	CH	FE	MD018280
			2	76.0 × 1.5 × 3.3	TF			FC	CH	PH					
			O	76.0 × 2.5 × 2.85	3F			ST	NT	NT					
33934	3F	4G18				4	T	76.0 × 1.2 × 2.75	BF			ST	NT	NT	MD349422
			2	76.0 × 1.5 × 3.1	TF SP			FC	PH	PH					
			O	76.0 × 2.8 × 2.6	3F			ST	NT	NT					
33937	3F	4G18-2	Proton Waja			4	T	76.0 × 1.2 × 2.7	BF			ST	NT	NT	MD361982
			2	76.0 × 1.2 × 3.2	TF SP			FC	PH	PH					
			O	76.0 × 2.5 × 2.6	3F			ST	CH	PH					
33938	3F	4G18-3	Proton Waja			4	T	76.0 × 1.2 × 2.75	BF			ST	NT	NT	MD361983
			2	76.0 × 1.2 × 3.2	TF SP			FC	PH	PH					
			O	76.0 × 2.5 × 2.6	3F			ST	NT	NT					
33445 1cyl/set	2FAC DIESEL	K3,4E				4	T	76.0 × 2.5 × 3.3	HK BF			FC	CH	PH	MM431579
			2	76.0 × 2.0 × 3.3	TF ST			FC	CH	PH					
			O	76.0 × 4.0 × 4.25	2F			ST	NT	NT					
33444 1cyl/set	2F DIESEL	L2E				4	T	76.0 × 2.0 × 2.75	HK BF			ST	NT	NT	MN433713
			2	76.0 × 2.0 × 3.3	TF ST			FC	PH	PH					
			O	76.0 × 3.0 × 3.55	2F			ST	NT	NT					
33987 1cyl/set	2F DIESEL	L2E,L3E				4	T	76.0 × 2.0 × 3.3	HK BF			FC	CH	PH	MM433152
			2	76.0 × 2.0 × 3.2	TF			FC	PH	PH					
			O	76.0 × 3.0 × 3.55	2F			ST	NT	NT					
33839	3FAC	4G41	Galant,Delica		1,378	4	T	76.5 × 2.0 × 3.5	BF			FC	CH	PH	MD010710
			T61,T120,120C,120W,H-T120		2	76.5 × 2.0 × 3.5	TF			FC	CH	PH	MD010715		
			Coupe FTO		O	76.5 × 4.0 × 3.7	3F			ST	CH	PH	MD011893		
33832	3F	4G32 G32	GalantΣ,Sapporo		1,597	4	T	76.9 × 2.0 × 3.5	BF			FC	CH	PH	MD000725
			Lancer,Celeste,Mirage,Delica		2	76.9 × 2.0 × 3.5	TF			FC	PH	PH	MD004709		
			A53,53C,53V,53H,63,73		O	76.9 × 4.0 × 3.65	3F			ST	CH	PH	MD004739		
			112,121,144,153,157,161										MD004770		
			174,B-A73,L021,32										MD005885		
33884	3F	4G32-2	Forte,L200,Dodge Colt												MD007251
			Plymouth Champ										MD008105		
													MD106741		
33884	3F	4G32-2			1,597	4	T	76.9 × 2.0 × 2.95	BF			ST	NT	NT	MD110632
			2	76.9 × 2.0 × 3.5	TF			FC	PH	PH					
			O	76.9 × 4.0 × 3.2	3F			ST	NT	NT					

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33870	3F	G32-T	Cordia,GalantΣ		1,597	4	T	76.9 × 1.5 × 3.2	BF			ST	CH	PH	MD012765
		G32EC-T	Chariot,Tredia				2	76.9 × 1.5 × 3.5	TF			FC	PH	PH	MD062387
		4G32-T/C	Turbo				O	76.9 × 4.0 × 3.7	3F			ST	CH	PH	MD093337
														MD099430	
33891	3FAC	2G25	Minica		660	2	T	78.0 × 1.5 × 3.2	BF			FD	CH	PH	MD011810
				2			78.0 × 1.5 × 3.3	TF			FC	CH	PH	MD083152	
				O			78.0 × 2.5 × 2.9	3F			ST	NT	NT		
33442	2F DIESEL	3SL,4SL				1	T	78.0 × 2.5 × 2.7	HK BF			ST	NT	NT	31A17-00010
			2	78.0 × 2.0 × 3.5	TF ST			FC	PH	PH					
			O	78.0 × 4.0 × 4.25	2F			ST	NT	NT					
33985 1cyl/set	2F DIESEL	K4F-DT				4	T	78.0 × 2.5 × 3.4	HK BF BB			FC	CH	PH	MM437295
			2	78.0 × 2.0 × 3.4	TF ST			FC	PH	PH					
			O	78.0 × 4.0 × 4.25	2F			ST	NT	NT					
33945	3F	4G91	Mirage		1,496	4	T	78.4 × 1.2 × 3.0	BF			ST	CH	FE	MD177113
				2			78.4 × 1.2 × 3.25	TF			FC	PH	PH		
				O			78.4 × 2.8 × 2.6	3F			ST	CH	PH		
33941	3FAC	6A12	Proton Perdana		2,000	6	T	78.4 × 1.2 × 2.95	BF			ST	NT	NT	MD302644
			Eterna,Galant,Diamante				2	78.4 × 1.2 × 3.5	TF			FC	CH	PH	
							O	78.4 × 2.8 × 2.65	3F			ST	NT	NT	
33940	3F	6A12-NA	Proton Perdana		2,000	6	T	78.4 × 1.2 × 3.0	BF			ST	CH	FE	MD189104
			Eterna,Galant,Diamante				2	78.4 × 1.2 × 3.5	TF			FC	PH	PH	
							O	78.4 × 2.8 × 2.6	3F			ST	CH	PH	
33424	3FAC	6A12 T/C				6	T	78.4 × 1.2 × 2.95	BF BT			ST	NT	NT	MD189119
			2	78.4 × 1.2 × 3.45	TF			FC	CH	PH					
			O	78.4 × 2.8 × 2.6	3F			ST	NT	NT					
33840	3FAC	4G35	Galant GTO		1,686	4	T	79.0 × 1.5 × 3.4	BF			FD	CH	PH	MD003184
			A55				2	79.0 × 1.5 × 3.4	TF			FD	CH	PH	MD004835
							O	79.0 × 4.0 × 3.8	3F			ST	CH	FE	
33878	2FAC DIESEL	4D6 4D65	Mirage		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD071206
			Colt C14A				2	80.6 × 2.0 × 3.7	TF			FD	CH	PH	MD127022
							O	80.6 × 4.0 × 4.25	2F			ST	CH	FE	
33879	2FAC DIESEL	4D6 4D65-T	Galant,Mirage,Colt		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD078209
							2	80.6 × 2.0 × 3.5	HK TF BB			FD	CH	PH	MD078309
							O	80.6 × 4.0 × 4.25	2F			ST	CH	FE	MD136692
33889	2FAC DIESEL	4D65	Colt,Galant		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD116000
							2	80.6 × 2.0 × 3.5	HK TF BB			FD	CH	PH	
							O	80.6 × 4.0 × 4.25	2F			ST	CH	FE	
33904	2F DIESEL	4D65	Galant,Mirage,Colt		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD127017
							2	80.6 × 2.0 × 3.7	TF			FC	CH	PH	MD071206
							O	80.6 × 4.0 × 4.25	2F			ST	CH	FE	MD127022
33885	3F	4G37 G37	Galant		1,755	4	T	80.6 × 1.5 × 3.15	BF			ST	NT	NT	MD106028
							2	80.6 × 1.5 × 3.7	TF			FC	PH	PH	
							O	80.6 × 4.0 × 3.2	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33954	3FAC	4G37-EC 4G62	E-E12A		1,800	4	T	80.6 × 1.5 × 3.15	BF			ST	NT	NT	MD154012
							2	80.6 × 1.5 × 3.7	TF			FC	CH	PH	
							O	80.6 × 4.0 × 2.9	3F			ST	NT	NT	
33871	3F	G62-T G62-V 4G62	Galant,Tredia,Cordia		1,795	4	T	80.6 × 1.5 × 3.5	BF			ST	CH	FE	MD040465
			Delica stare		1,755		2	80.6 × 1.5 × 3.7	TF			FC	PH	PH	MD077113
							O	80.6 × 4.0 × 3.2	3F			ST	CH	PH	
33863	3F	G62B 4G62	GalantΣ,Sapporo		1,795	4	T	80.6 × 2.0 × 3.5	BF			FD	CH	PH	MD040610
			Lancer,A162,A175				2	80.6 × 2.0 × 3.65	TF			FC	PH	PH	MD106736
							O	80.6 × 4.0 × 3.2	3F			ST	CH	PH	
33842	3FAC	4G51	GalantΣ1850		1,855	4	T	81.0 × 2.0 × 3.5	BF			FD	CH	PH	MD023060
			A114				2	81.0 × 2.0 × 3.7	TF			FC	CH	PH	
							O	81.0 × 4.0 × 3.7	3F			ST	CH	PH	
33902	3F	4G92 4G92,93-EC	Mirage,Lancer		1,592	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	MD173206
			Proton Wira				2	81.0 × 1.2 × 3.6	TF			FC	CH	PH	MD173211
							O	81.0 × 2.8 × 2.65	3F			ST	NT	NT	
33466	3F	4G92-D4	Mirage,Lancer		1,600	4	T	81.0 × 1.2 × 3.0	BF			ST	NT	NT	MD177118
							2	81.0 × 1.2 × 3.5	TF			FC	PH	PH	MD177122
							O	81.0 × 2.8 × 2.55	3F			ST	CH	PH	MD177120
33955	3FAC	4G93-GDI				4	T	81.0 × 1.2 × 3.15	BF BT			ST	NT	NT	MD357240
							2	81.0 × 1.2 × 3.55	TF			FC	CH	PH	MD180348
							O	81.0 × 2.8 × 2.65	3F			ST	NT	NT	
33425	3FAC	6A13-D4,T/C				6	T	81.0 × 1.2 × 3.0	BF			ST	NT	NT	MD336736
							2	81.0 × 1.2 × 3.55	TF			FC	CH	PH	MD339229
							O	81.0 × 2.8 × 2.65	3F			ST	NT	NT	
33967	3F	6A13-S4				6	T	81.0 × 1.2 × 3.1	BF			ST	CH	FE	MD336735
							2	81.0 × 1.2 × 3.6	TF			FC	PH	PH	MD344094
							O	81.0 × 2.8 × 2.55	3F			ST	CH	PH	MD344095
33966	3F	4G94-S4				4	T	81.5 × 1.2 × 2.7	BF BT			ST	NT	NT	1110B098
							2	81.5 × 1.2 × 3.4	TF SP			FC	PH	PH	1110B099
							O	81.5 × 2.5 × 2.6	3F			ST	CH	PH	1110B100 MN183585 MN187178 MN187179 MD371189 MD371157
33932	3FAC	4G61	Mirage,Lancer		1,595	4	T	82.3 × 1.2 × 3.15	BF			ST	NT	NT	MD133495
							2	82.3 × 1.5 × 3.8	TF			FC	CH	PH	
							O	82.3 × 3.0 × 2.85	3F			ST	NT	NT	
33905	2F DIESEL	4D68-NA	Galant,RVR		1,998	4	T	82.7 × 2.0 × 3.5	HK BF			FD	CH	PH	MD197162
							2	82.7 × 2.0 × 3.5	TF SP			FC	CH	PH	
							O	82.7 × 3.0 × 3.75	2F			ST	NT	NT	
33963	2FAC DIESEL	4D68T			1,998	4	T	82.7 × 2.0 × 2.95	HK BF			ST	NT	NT	MD197187
							2	82.7 × 2.0 × 3.5	HK TF			FD	CH	PH	
							O	82.7 × 3.0 × 3.4	2F			ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33996	2F	4N13 DIESEL				4	T	83.0 × 2.0 × 2.9	BF			ST	NT	NT	1110B934
			2	83.0 × 1.5 × 2.9	TF			ST	FE	FE					
			O	83.0 × 2.0 × 2.75	2F			ST	NT	NT					
33951	3F	6G73				6	T	83.5 × 1.2 × 2.9	BF			ST	CH	FE	MD310257
			2	83.5 × 1.5 × 3.5	TF			FC	PH	PH	MD351097				
			O	83.5 × 3.0 × 2.8	3F			ST	CH	PH					
33433	3FAC	6G73				6	T	83.5 × 1.2 × 2.95	BF			ST	NT	NT	MD159836
			2	83.5 × 1.5 × 3.5	TF			FC	CH	PH					
			O	83.5 × 3.0 × 2.8	3F			ST	NT	NT					
33434	3F	6G73-GDI				6	T	83.5 × 1.2 × 2.75	BF BT			ST	NT	NT	MD370494
			2	83.5 × 1.2 × 3.2	TF SP			FC	PH	PH					
			O	83.5 × 2.5 × 2.6	3F			ST	NT	NT					
33406	2F	6G73-GDI-3				6	T	83.5 × 1.2 × 2.7	BF			ST	NT	NT	MN187669
			2	83.5 × 1.2 × 3.2	TF SP			FC	PH	PH					
			O	83.5 × 2.0 × 2.75	2F			ST	NT	NT					
33865	2F	4DQ5 DIESEL	Canter		2,084	4	T	84.0 × 2.5 × 3.6	BF			FD	CH	PH	30615-51011
	Fork Lift,FD15				2	84.0 × 2.0 × 3.7	TF			FC	PH	PH	30617-51011		
					O	84.0 × 4.0 × 4.2	2F			FD	CH	PH			
33845	3F	4G52	GalantΣ2000,Sapporo		1,995	4	T	84.0 × 2.0 × 3.6	BF			FD	CH	PH	MD021010
			Celeste,Jeep			2	84.0 × 2.0 × 3.7	TF			FC	PH	PH	MD021035	
			A57,78,115,123,J58			O	84.0 × 4.0 × 3.15	3F			ST	CH	PH	MD021070	
														MD027010	
33866	3F	4G63	GalantΣ		1,997	4	T	85.0 × 2.0 × 3.6	BF			FD	CH	PH	MD040640
		G63B	Galant Sapporo Van			2	85.0 × 2.0 × 3.7	TF			FC	PH	PH	MD040840	
		G63B-T,C	A163,A164			O	85.0 × 4.0 × 3.15	3F			ST	CH	PH	MD041580	
			Chariot												
			Pajero												
33892	3F	4G63	GalantΣ		1,997	4	T	85.0 × 1.5 × 3.1	BF			ST	NT	NT	MD100467
		G63B	Galant Sapporo Van			2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	MD105516	
		G63B-T,C	A163,A164			O	85.0 × 4.0 × 3.2	3F			ST	CH	PH		
			Chariot												
			Pajero												
33414	3FAC	4G63EX	E-N33W		1,997	4	T	85.0 × 1.5 × 3.1	BF			ST	NT	NT	MD133485
			E-CD9A			2	85.0 × 1.5 × 3.7	TF SP			FC	CH	PH		
			Lancer, Eclipse, Chariot RVR			O	85.0 × 3.0 × 2.8	3F			ST	NT	NT		
33919	3F	4G63(NEW)	Galant		1,997	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	MD195810
			Chariot			2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	MD313405	
						O	85.0 × 2.8 × 2.6	3F			ST	NT	NT		
33924	3F	4G63K	Galant,Eterna SAVA		1,997	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	MD140923
			Chariot			2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	MD195850	
			RVR			O	85.0 × 3.0 × 2.6	3F			ST	NT	NT		
33980	3F	4G63S			1,997	4	T	85.0 × 1.2 × 3.15	BF BT			ST	NT	NT	MN149594
				2	85.0 × 1.2 × 3.5	TF SP			FC	PH	PH				
				O	85.0 × 2.0 × 2.25	3F			ST	CH	PH				

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33417	3F	4B10				4	T	86.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	1110B795
							2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	1110C103
							O	86.0 × 2.0 × 2.25	3F			ST	NT	NT	
33991	3F	4B11				4	T	86.0 × 1.2 × 3.05	BF	BT		ST	CH	FE	1110A436
							2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
							O	86.0 × 2.0 × 2.25	3F			ST	CH	PH	
33463	2FAC DIESEL	4N15	Triton Pajero			4	T	86.0 × 2.0 × 2.9	HK	BF		ST	NT	NT	1110C712
							2	86.0 × 1.5 × 2.9	TF			ST	NT	NT	
							O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	
33925	3F	4G64 4G64K	Delica Wagon E-P04W		2,350	4	T	86.5 × 1.2 × 3.1	BF	BT		ST	CH	PH	MD195872
							2	86.5 × 1.5 × 3.8	TF	SP		FC	PH	PH	
							O	86.5 × 3.0 × 2.55	3F			ST	CH	PH	
33936	3FAC	4G64	Delica Wagon E-P04W		2,350	4	T	86.5 × 1.2 × 3.15	BF	BT		ST	NT	NT	MD192815
							2	86.5 × 1.5 × 3.8	TF	SP		FC	CH	PH	MD194597
							O	86.5 × 2.8 × 2.6	3F			ST	NT	NT	
33957	3F	4G64-S	Galant		2,350	4	T	86.5 × 1.2 × 3.1	BF	BT		ST	CH	FE	MD195828
							2	86.5 × 1.5 × 3.8	TF	SP		FC	PH	PH	
							O	86.5 × 2.8 × 2.6	3F			ST	NT	NT	
33935	3F	4G64B G64B	Delica Wagon		2,350	4	T	86.5 × 1.5 × 3.05	BF			ST	CH	FE	MD085346
							2	86.5 × 1.5 × 3.5	TF			FC	PH	PH	
							O	86.5 × 4.0 × 3.25	3F			ST	CH	PH	
33983	3F	4G69	SAVRIN/GRUNDER2.4			4	T	87.0 × 1.2 × 3.05	BF	BT		ST	CH	FE	MD377324
							2	87.0 × 1.2 × 3.4	TF	SP		FC	PH	PH	
							O	87.0 × 2.0 × 2.45	3F			ST	CH	PH	
33449	3F	4G69-2				4	T	87.0 × 1.2 × 3.05	BF			ST	CH	FE	1110A966
							2	87.0 × 1.2 × 3.4	TF	SP		FD	PH	PH	
							O	87.0 × 2.0 × 2.6	3F			ST	CH	PH	
33977	3F	6B31	Outlander			6	T	87.6 × 1.2 × 3.1	BF	BT		ST	NT	NT	1110B435
							2	87.6 × 1.0 × 2.9	TF			FD	PH	PH	
							O	87.6 × 2.0 × 2.3	3F			ST	CH	PH	
33992	3F	4B12				4	T	88.0 × 1.2 × 3.25	BF	BT		ST	CH	FE	1110A822
							2	88.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	1110C162
							O	88.0 × 2.0 × 2.25	3F			ST	CH	PH	
31607	2F DIESEL	4DR-10 4DR1	Canter,Rosa B14,T90,T92,T94		2,384	4	T	88.0 × 2.5 × 3.6	BF			FD	CH	PH	30317-11011
							2	88.0 × 2.0 × 3.8	TF			FC	PH	PH	
							3	88.0 × 2.0 × 3.8	TF			FC	PH	PH	
							O	88.0 × 4.0 × 4.2	2F			FD	CH	PH	
33846	3F	4G53	Canter,Jeep,Rosa FC211,BC211,J26,J38,J46,J56		2,384	4	T	88.0 × 2.0 × 3.8	BF			FD	CH	PH	MD025000
							2	88.0 × 2.0 × 3.8	TF			FC	PH	PH	MD026985
							O	88.0 × 4.0 × 3.2	3F			ST	NT	NT	
33986 1cyl/set	2FAC DIESEL	K4N				4	T	90.0 × 2.5 × 3.35	HK	BF	BB	ST	NT	NT	MM438689
							2	90.0 × 2.0 × 3.7	TF	ST		FD	CH	PH	
							O	90.0 × 4.0 × 4.2	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33861	2FAC	4D55-NA	Galant	ΣA167	2,346	4	T	91.1 × 2.5 × 3.7	BF			FD	CH	PH	MD050395
	DIESEL	4D56-NA	Galant	Sapporo			2	91.1 × 2.0 × 3.75	TF			FC	CH	PH	
							O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
33454 1cyl/set	2FAC	4D56(D4)				4	T	91.1 × 2.5 × 3.3	HK BF			ST	NT	NT	1110B977
	DIESEL						2	91.1 × 2.0 × 3.7	HK TF			FD	CH	PH	
							O	91.1 × 3.0 × 3.55	2F			ST	NT	NT	
33461	2FAC	4D56(D4)-2				4	T	91.1 × 2.5 × 3.3	HK BF			ST	NT	NT	1110B977
	DIESEL						2	91.1 × 2.0 × 3.7	HK TF			FD	CH	PH	
							O	91.1 × 3.0 × 3.55	2F			ST	NT	NT	
33921	2FAC	4D56-IC/TC	Galant		2,346	4	T	91.1 × 2.5 × 3.7	HK BF BB			FD	CH	PH	MD168293
	DIESEL						2	91.1 × 2.0 × 3.7	HK TF BB			FD	CH	PH	
							O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
33862	2FAC	4D56-TC	Galant	ΣA167	2,346	4	T	91.1 × 2.5 × 3.7	HK BF BB			FD	CH	PH	MD050390
	DIESEL	4D55-T	Galant	Sapporo			2	91.1 × 2.0 × 3.7	HK TF BB			FD	CH	PH	MD103391
		4D56	Turbo				O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
33465	2FAC	4D56-TC-2	Galant	ΣA167	2,346	4	T	91.1 × 2.5 × 3.2	HK BF			ST	CH	FE	MD050390
	DIESEL		Galant	Sapporo			2	91.1 × 2.0 × 3.9	HK TF			FC	CH	PH	MD103391
			Turbo				O	91.1 × 4.0 × 4.2	2F			ST	NT	NT	
33979	2F	4D56 TDI				4	T	91.1 × 2.5 × 3.35	HK BF			ST	NT	NT	1110A561
	DIESEL						2	91.1 × 2.0 × 3.8	HK TF			FD	CH	PH	
							O	91.1 × 4.0 × 4.2	2F			ST	NT	NT	
33920	3FAC	6G72	Sigma		2,972	6	T	91.1 × 1.2 × 3.35	BF			ST	NT	NT	MD301803
							2	91.1 × 1.5 × 3.8	TF			FC	CH	PH	MD354879
							O	91.1 × 3.0 × 2.85	3F			ST	NT	NT	MD158334 MD301803
33430	3F	6G72 BK				6	T	91.1 × 1.2 × 3.3	BF			ST	CH	FE	1110B180
							2	91.1 × 1.5 × 3.8	TF			FC	PH	PH	
							O	91.1 × 3.0 × 2.85	3F			ST	CH	PH	
33890	3F	6G72-C	Debonaires 12A		2,972	6	T	91.1 × 1.5 × 3.55	BF			ST	NT	NT	MD104922
			Sigma				2	91.1 × 1.5 × 3.8	TF			FC	CH	PH	MD104923
							O	91.1 × 4.0 × 3.2	3F			ST	NT	NT	MD104939 MD104940 MD129548
33407	2F	6G72-GDI-3			2,972	6	T	91.1 × 1.2 × 3.3	BF			ST	NT	NT	MN187664
							2	91.1 × 1.5 × 3.8	TF			FC	PH	PH	
							O	91.1 × 2.0 × 2.85	2F			ST	NT	NT	
33408	3F	6G72-S4			2,972	6	T	91.1 × 1.2 × 3.35	BF BT			ST	NT	NT	MD374009
							2	91.1 × 1.2 × 3.5	TF SP			FC	PH	PH	
							O	91.1 × 2.5 × 2.55	3F			ST	CH	PH	
33409	3FAC	6G72-S4(NEW)			2,972	6	T	91.1 × 1.2 × 3.3	BF			ST	NT	NT	1110A937
							2	91.1 × 1.5 × 3.8	TF			FC	CH	PH	
							O	91.1 × 3.0 × 2.85	3F			ST	CH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33428	3F	6G72,S2,S4				6	T	91.1 × 1.2 × 3.25	BF			ST	CH	FE	MD329755
							2	91.1 × 1.5 × 3.8	TF			FC	PH	PH	MD165949
							O	91.1 × 3.0 × 2.85	3F			ST	CH	PH	
33429	3FAC	6G72-MIVEC				6	T	91.1 × 1.2 × 3.25	BF			ST	CH	FE	MD323843
							2	91.1 × 1.5 × 3.6	TF			FC	CH	PH	
							O	91.1 × 3.0 × 2.85	3F			ST	CH	PH	
33860	3FAC	G54 4G54	Debonaire,GalantΣ		2,555	4	T	91.1 × 2.0 × 3.5	BF			ST	CH	PH	MD025089
			Galant Sapporo				2	91.1 × 2.0 × 3.8	TF			FD	CH	PH	MD026835
			Dodge Challenger				O	91.1 × 4.0 × 3.2	3F			ST	NT	NT	MD026960
			Plymouth Sapporo												MD027140
			Jeep												MD107813
															MD107818
33929	3FAC	G54-C 4G54	Debonaire,Sapporo		2,555	4	T	91.1 × 1.5 × 3.55	BF			ST	NT	NT	MD101895
			Dodge Challenger				2	91.1 × 1.5 × 3.8	TF			FC	CH	PH	
							O	91.1 × 4.0 × 3.2	3F			ST	NT	NT	
33872	3FAC	G54-T G54-V G54 G54-C 4G54	Starion		2,555	4	T	91.1 × 1.5 × 3.55	BF			ST	NT	NT	MD061258
							2	91.1 × 1.5 × 3.8	TF			FC	CH	PH	MD080598
							O	91.1 × 4.0 × 3.2	3F			ST	NT	NT	MD106752
33931	3FAC	G54-U 4G54 4G64	Starion		2,555	4	T	91.1 × 1.5 × 3.55	BF			ST	NT	NT	MD076170
							2	91.1 × 1.5 × 3.8	TF			FC	CH	PH	
							O	91.1 × 4.0 × 3.2	3F			ST	NT	NT	
33836	2F DIESEL	4DR-5	Canter		2,659	4	T	92.0 × 2.5 × 3.7	HK BF			FD	CH	PH	31617-02012
			T96A,96B,96A2,98A,98				2	92.0 × 2.0 × 3.9	TF			FC	PH	PH	31617-02013
			A2,98AD				3	92.0 × 2.0 × 3.9	TF			FC	PH	PH	31617-05102
			98B,98B2,200C,200CP,200CT				O	92.0 × 4.5 × 4.2	2F			FD	CH	PH	31617-05103
			200F,210C,210CD,210CT,210F 220,FE100,120 Jupiter T200CZ,200F Jeep J24,24H,36,44,54 Bus B200,210												
31609	2F DIESEL	6DR-5	Jupiter T44A,44B,44L		3,988	6	T	92.0 × 2.5 × 3.7	HK BF			FD	CH	PH	31717-12012
			Bus B360,BH212,215				2	92.0 × 2.0 × 3.9	TF			FC	PH	PH	31717-12013
			Fork Lift,FD60				3	92.0 × 2.0 × 3.9	TF			FC	PH	PH	
							O	92.0 × 4.5 × 4.2	2F			FD	CH	PH	
33933	3FAC	6G74	Devonair		3,500	6	T	93.0 × 1.5 × 3.5	BF BT			ST	NT	NT	MD300569
							2	93.0 × 1.5 × 3.9	TF SP			FC	CH	PH	MD369575
							O	93.0 × 3.0 × 2.85	3F			ST	NT	NT	
33416	3F	6G74-GDI 93				6	T	93.0 × 1.5 × 3.55	BF BT			ST	NT	NT	MD366688
							2	93.0 × 1.5 × 3.8	TF SP			FC	PH	PH	
							O	93.0 × 3.0 × 2.8	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33410	3F	6G74-GDI-1 93			3,500	6	T	93.0 × 1.2 × 3.5	BF	BT		ST	NT	NT	MN119685
							2	93.0 × 1.2 × 3.5	TF	SP		FC	PH	PH	
							O	93.0 × 2.5 × 2.6	3F			ST	NT	NT	
33411	2F	6G74-GDI-2 93			3,500	6	T	93.0 × 1.2 × 3.5	BF			ST	NT	NT	MN187677
							2	93.0 × 1.2 × 3.5	TF	SP		FC	PH	PH	MN187678
							O	93.0 × 2.0 × 2.85	2F			ST	NT	NT	MN187679
															MN187682
															MN187683
															MN187684
33412	3FAC	6G74-FFV 93			3,500	6	T	93.0 × 1.5 × 3.55	BF	BT		ST	NT	NT	1110B587
							2	93.0 × 1.5 × 3.9	TF	SP		FC	CH	PH	
							O	93.0 × 3.0 × 2.85	3F			ST	NT	NT	
33415	3FAC	6G74-MIVEC				6	T	93.0 × 1.5 × 3.35	BF	BT		ST	NT	NT	MD355642
							2	93.0 × 1.5 × 3.7	TF	SP		FC	CH	PH	MD369253
							O	93.0 × 3.0 × 2.85	3F			ST	NT	NT	
33981	3F	6G74-S4	Debonair		3,500	6	T	93.0 × 1.5 × 3.5	BF	BT		ST	CH	FE	MD322783
							2	93.0 × 1.5 × 3.8	TF	SP		FC	PH	PH	
							O	93.0 × 3.0 × 2.85	3F			ST	CH	PH	
33975	2F DIESEL	S4E S4ES	Fork Lift		2,609	4	T	94.0 × 2.5 × 3.9	HK	BF		FD	CH	PH	34417-11011
							2	94.0 × 2.0 × 3.9	TF			FC	PH	PH	
							O	94.0 × 4.5 × 4.25	2F			ST	CH	FE	
33455 1cyl/set	2F DIESEL	S4E-2				4	T	94.0 × 2.5 × 3.9	HK	BF		FD	CH	PH	34417-11011
							2	94.0 × 2.0 × 3.9	TF			FC	PH	PH	
							O	94.0 × 4.5 × 4.25	2F			ST	CH	FE	
33984 1cyl/set	2FAC DIESEL	S4S			2,609	4	T	94.0 × 2.5 × 3.3	HK	BF		ST	NT	NT	32A17-02010
							2	94.0 × 2.0 × 3.9	TF	ST		FC	CH	PH	
							O	94.0 × 4.0 × 4.2	2F			ST	NT	NT	
33909	2F DIESEL	4DR7			2,835	4	T	95.0 × 2.36 × 3.7	K	BF		FD	CH	PH	ME997256
							2	95.0 × 2.0 × 3.9	TF	ST		FC	CH	PH	
							O	95.0 × 4.0 × 4.06	2F			ST	CH	PH	
33982	2FAC DIESEL	4M40	Pajero		2,835	4	T	95.0 × 2.358 × 3.6	K	BF		ST	CH	FE	ME201522
							2	95.0 × 2.0 × 3.9	TF	ST		FC	CH	PH	
							O	95.0 × 4.0 × 4.058	2F			ST	CH	FE	
33922	2FAC DIESEL	4M40-NA	Canter Pajero		2,835	4	T	95.0 × 2.36 × 3.4	K	BF		ST	NT	NT	ME202342
							2	95.0 × 2.0 × 3.7	TF	ST		FD	CH	PH	ME202950
							O	95.0 × 4.0 × 4.0	2F			ST	CH	PH	
33447	2FAC DIESEL	4M40-T				4	T	95.0 × 2.358 × 3.4	K	BF		ST	NT	NT	ME202940
							2	95.0 × 2.0 × 3.9	TF	ST		FC	CH	PH	
							O	95.0 × 3.0 × 4.0	2F			ST	NT	NT	
33952	2FAC DIESEL	4M40-TC	Pajero		2,835	4	T	95.0 × 2.358 × 3.4	K	BF		ST	NT	NT	ME202148
							2	95.0 × 2.0 × 3.9	TF	ST		FC	CH	PH	
							O	95.0 × 3.0 × 4.0	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33467	2FAC	4M40-TI DIESEL	Triton/L200		2,835	4	T	95.0 × 2.358 × 3.4	K	BF		ST	NT	NT	ME201772
			L400 Delica,Pajero				2	95.0 × 2.0 × 3.7		TF	ST	FD	CH	PH	ME995747
							O	95.0 × 4.0 × 4.2	2F			ST	NT	NT	ME995748
33968	2FAC	4M42 DIESEL				4	T	95.0 × 2.358 × 3.4	K	BF		ST	NT	NT	ME190317
							2	95.0 × 2.0 × 3.7		TF		FC	CH	PH	ME993211
							O	95.0 × 3.0 × 3.4	2F			ST	NT	NT	ME993212
31603	2F	6DS1 DIESEL	Fuso Truck		4,678	6	T	95.0 × 2.5 × 4.1		BF		FC	CH	PH	30817-01006
			T620,650B,650E,650J,650ZD				2	95.0 × 2.0 × 4.1		TF	ST	FC	CH	PH	ME020382
			Bus MR620				3	95.0 × 2.0 × 4.1		TF		FC	PH	PH	ME021376
							O	95.0 × 4.5 × 4.2	2F			FC	CH	PH	
31610	2FAC	6DS3 DIESEL	Fuso Truck,T630B,651E,T652B		5,103	6	T	95.0 × 3.0 × 3.9	HK	BF		FD	CH	PH	ME021855
			Bus B622B				2	95.0 × 2.0 × 4.1		TF	ST	FC	CH	PH	ME023327
							O	95.0 × 4.5 × 4.2	2F			FC	CH	PH	ME023327-2
33993	3F	6G75				6	T	95.0 × 1.2 × 3.7		BF	BT	ST	NT	NT	1110A497
							2	95.0 × 1.2 × 3.6		TF	SP	FC	PH	PH	1110B806
							O	95.0 × 2.0 × 2.6	3F			ST	CH	PH	1110B571 MN183867
31606	2F3PS	6DS5 DIESEL	Fuso Truck,T630B,651E		4,987	6	T	98.0 × 3.0 × 4.2		BF		FC	CH	PH	30817-31000
			Bus,B620B,620BE,620E				2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME020427
			Tractor T651ZR				3	98.0 × 2.0 × 4.2		TF		FC	PH	PH	ME021382
							O	98.0 × 5.0 × 4.8	2F			FC	CH	PH	ME021856
31611	2FAC	6DS7 DIESEL	Fuso Truck		5,430	6	T	98.0 × 3.0 × 4.0	HK	BF		FD	CH	PH	ME021861
			T635B,653BG,663C,663ZD				2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME024409
			FK102				O	98.0 × 5.0 × 4.8	2F			FC	CH	PH	
			Bus,B623B,623E												
31612	2FAC	6DS7 DIESEL	Fuso Truck		5,430	6	T	98.0 × 3.0 × 4.0	HK	BF		FD	CH	PH	ME023333
			T635B,653BG,663C				2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME023333-2
			663ZD,FK102				O	98.0 × 5.0 × 5.1	2F			FD	CH	PH	
			Bus,B623B,623E												
31613	2FAC	6DS7-3 1cyl/set DIESEL					T	98.0 × 3.0 × 4.0	HK	BF		FD	CH	PH	ME021861
							2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME024409
							O	98.0 × 5.0 × 4.8	2F			FC	CH	PH	
33956	2FAC	4M41-TI DIESEL	Pajero			4	T	98.5 × 2.358 × 3.4	K	BF		ST	NT	NT	ME203533
			Triton				2	98.5 × 1.5 × 3.5		TF	BT	ST	NT	NT	1110A851
							O	98.5 × 3.0 × 3.75	2F			ST	NT	NT	
33422	2FAC	4M41-DID DIESEL				4	T	98.5 × 2.358 × 3.4	K	BF		ST	NT	NT	1110B302
							2	98.5 × 1.5 × 3.5		TF	BT	ST	NT	NT	
							O	98.5 × 3.0 × 3.75	2F			ST	NT	NT	
33423	2FAC	4M41-PSU DIESEL				4	T	98.5 × 2.358 × 3.4	K	BF		ST	NT	NT	1110B654
							2	98.5 × 1.5 × 3.5		TF	BT	ST	NT	NT	
							O	98.5 × 3.0 × 3.65	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
33943	2FAC	4D30	Canter,Rosa		3,298	4	T	100.0 × 3.0 × 4.0	HK BF	ST	CH FE	ME012010
	DIESEL	4D31	Bus,BE211				2	100.0 × 2.0 × 4.2	TF ST	FC	CH PH	ME012070
			Truck FE104,111,114,121,211				O	100.0 × 5.0 × 4.75	2F	ST	NT NT	
33912	2FAC	4D31T	Truck		3,298	4	T	100.0 × 3.0 × 4.0	HK BF	ST	CH FE	ME012848
	DIESEL		Canter				2	100.0 × 2.0 × 4.2	TF ST	FC	CH PH	ME997396
							O	100.0 × 4.0 × 3.95	2F	ST	NT NT	ME997398
33947	2FAC	6D31	Truck		4,948	6	T	100.0 × 3.0 × 4.0	HK BF	ST	CH FE	ME999717
	DIESEL	6D31T	FK330				2	100.0 × 2.0 × 4.2	TF ST	FC	CH PH	
							O	100.0 × 5.0 × 4.75	2F	ST	NT NT	
33948	2FAC	6D31T	Truck,Fighter		4,948	6	T	100.0 × 3.0 × 4.0	HK BF	ST	CH FE	ME999783
	DIESEL		FK330				2	100.0 × 2.0 × 4.2	TF ST	FC	CH PH	ME999836
							O	100.0 × 4.0 × 3.95	2F	ST	NT NT	
33939	2FAC	4D32	Canter		3,567	4	T	104.0 × 3.0 × 4.0	HK BF	ST	CH FE	ME997318
	DIESEL						2	104.0 × 2.0 × 4.2	TF ST	FC	CH PH	ME999641
							O	104.0 × 4.0 × 4.2	2F	ST	NT NT	
33950	2FAC	4D34	Canter,Rosa		3,907	4	T	104.0 × 2.81 × 3.9	K BF	ST	NT NT	ME997240
	DIESEL	4D34T	Fighter				2	104.0 × 2.0 × 4.2	TF ST	FC	CH PH	
							O	104.0 × 4.0 × 4.25	2F	ST	CH FE	
33441	2FAC	6D34T				6	T	104.0 × 2.806 × 4.1	K BF	FD	CH PH	ME996442
	DIESEL						2	104.0 × 2.0 × 4.2	TF ST	FC	CH PH	
							O	104.0 × 4.0 × 4.25	2F	ST	CH FE	
33850	2FAC	6D10	Fuso Truck		5,974	6	T	105.0 × 3.0 × 4.2	HK BF	FD	CH PH	ME032190
	DIESEL	6D11	T654B,654ZR,FK10-3		6,754		2	105.0 × 2.0 × 4.4	TF ST	FC	CH PH	ME032190-01
			FK103				O	105.0 × 5.0 × 4.8	2F	FD	CH PH	ME032326
			Bus									ME032404
33923	2FAC	4D33A	Canter		4,214	4	T	108.0 × 3.0 × 4.3	BF	FD	CH PH	ME996378
	DIESEL	4D33	Fuso Truck FE437,447				2	108.0 × 2.0 × 4.4	TF ST	FC	CH PH	
							O	108.0 × 4.0 × 4.3	2F	ST	CH FE	
33959	2FAC	4D35	Rosa		4,561	4	T	110.0 × 3.0 × 4.0	BF	ST	CH FE	ME996628
	DIESEL		Canter FE538,FE638				2	110.0 × 2.5 × 3.9	TF ST	FC	CH PH	ME995237
							O	110.0 × 4.0 × 4.35	2F	ST	NT NT	
33456	2FAC	4D35-2				4	T	110.0 × 3.0 × 3.9	BF BT	FD	CH PH	ME995214
	DIESEL						2	110.0 × 2.0 × 3.9	TF BT	FD	CH PH	
							O	110.0 × 4.0 × 4.371	2F	ST	CH FE	
33851	2FAC	6D14	Fuso Truck		6,557	6	T	110.0 × 3.0 × 4.3	HK BF	FD	CH PH	ME032071
	DIESEL		FK115,H50R,115F,115H				2	110.0 × 2.5 × 4.4	TF ST	FC	CH PH	ME032260
			115J,115K,FM215,T656ZR				O	110.0 × 5.0 × 4.7	2F	FD	CH PH	ME032404
			Bus									ME032458
33448	2FAC	6D14-2				6	T	110.0 × 3.0 × 4.1	BF	ST	CH	ME999952
	DIESEL						2	110.0 × 2.5 × 4.4	TF ST	FC	CH PH	
							O	110.0 × 4.0 × 4.35	2F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33928	2FAC DIESEL	6D14T	Fuso Truck,Bus MK115,115H,MM115,515		6,557	6	T	110.0 × 2.806 × 4.3	K	BF		FD	CH	PH	ME997465
							2	110.0 × 2.5 × 4.2		TF	ST	FD	CH	PH	
							O	110.0 × 4.0 × 4.371	2F			ST	CH	FE	
31604	2F3PS DIESEL	6DB	Fuso Truck		8,553	6	T	110.0 × 3.5 × 4.4		BF		FD	CH	PH	30017-71002
			T330,330D,331,335,337D				2	110.0 × 2.5 × 4.7		TF	ST	FC	CH	PH	30017-71003
			370D,380,383,385D,390,410D				3	110.0 × 2.5 × 4.7		TF	SP	FC	PH	PH	30017-75002
			460,480,482,K100,4K100,120				O	110.0 × 5.0 × 4.7	2F			FD	CH	PH	30017-75003
			Bus AR470,480,AM480,B820J MAR410,420,440,480,490 6W100D,R470,R480 MR410,420,430,440 480,490,510,520 Fork Lift,FD150												
31605	2F3PS DIESEL	8DB	Fuso Bus		11,404	8	T	110.0 × 3.5 × 4.4		BF		FD	CH	PH	30017-11000
			R820,870,AR820,870				2	110.0 × 2.5 × 4.7		TF	ST	FC	CH	PH	
			MR820,870,MAR820,870				3	110.0 × 2.5 × 4.7		TF	SP	FC	PH	PH	
							O	110.0 × 5.0 × 5.1	2F			FD	CH	PH	
33867	2FAC DIESEL	6D15	Fuso Truck		6,919	6	T	113.0 × 3.0 × 4.3	HK	BF		FD	CH	PH	ME032403
			FK116,216,FMJ316				2	113.0 × 2.5 × 4.4		TF	ST	FC	CH	PH	ME072306
			MK116,MM116,516				O	113.0 × 5.0 × 4.9	2F			FD	CH	PH	
			Fighter,Aero Midi												
33961	2FAC DIESEL	6D15T	Truck		6,919	6	T	113.0 × 2.806 × 3.9	K	BF		ST	NT	NT	ME997456
							2	113.0 × 2.5 × 4.4		TF	ST	FC	CH	PH	ME997466
							O	113.0 × 4.0 × 4.35	2F			ST	NT	NT	ME999929 ME999954
33443	2FAC DIESEL	4M50				4	T	114.0 × 2.806 × 3.9	K	BF		ST	NT	NT	ME993913
							2	114.0 × 2.0 × 3.9		TF	BT	FD	CH	PH	ME995590
							O	114.0 × 4.0 × 4.2	2F			ST	NT	NT	
33413	2FAC DIESEL	6D16TL	Fighter		7,545	6	T	118.0 × 2.806 × 3.9	K	BF		ST	NT	NT	ME995535
			Aero Midi				2	118.0 × 2.5 × 4.6		TF	ST	FC	CH	PH	ME995536(cyl)
							O	118.0 × 4.0 × 4.1	2F			ST	NT	NT	
33969	2FAC DIESEL	4M51				4	T	118.0 × 3.0 × 4.0		BF		ST	NT	NT	ME995591
							2	118.0 × 2.0 × 4.1		TF		ST	NT	NT	ME995592
							O	118.0 × 4.0 × 4.35	2F			ST	NT	NT	ME995593
33970	2FAC DIESEL	4M51-2				4	T	118.0 × 3.0 × 4.0		BF		ST	NT	NT	ME995113
							2	118.0 × 2.0 × 4.1		TF		ST	NT	NT	ME995114
							O	118.0 × 3.0 × 3.65	2F			ST	NT	NT	ME995115
33893	2FAC DIESEL	6D16	Fuso Truck		7,545	6	T	118.0 × 3.0 × 4.6		BF		FD	CH	PH	ME999540
			FK617A,FK618				2	118.0 × 2.5 × 4.6		TF	ST	FC	CH	PH	ME999955
							O	118.0 × 4.0 × 4.3	2F			FC	CH	PH	
33910	2FAC DIESEL	6D16	Fuso Truck		7,545	6	T	118.0 × 3.0 × 4.6		BF		FD	CH	PH	ME999955
							2	118.0 × 2.5 × 4.6		TF	BT	FC	CH	PH	
							O	118.0 × 4.0 × 4.54	2F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33942	2FAC	DIESEL	Fuso Truck		7,545	6	T	118.0 × 2.81 × 3.9	K	BF		ST	NT	NT	ME996591
							2	118.0 × 2.5 × 4.6		TF	ST	FD	CH	PH	
							O	118.0 × 4.0 × 4.54	2F			ST	CH	FE	
33976	2FAC	DIESEL	Fuso Truck		7,600	6	T	118.0 × 2.81 × 3.9	K	BF		ST	NT	NT	ME996593
							2	118.0 × 2.5 × 4.6		TF	ST	FD	CH	PH	
							O	118.0 × 4.0 × 4.1	2F			ST	NT	NT	
33953	2FAC	DIESEL	Fuso Truck		7,545	6	T	118.0 × 2.81 × 3.9	K	BF		ST	NT	NT	ME993947
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	ME993948
							O	118.0 × 4.0 × 4.35	2F			ST	NT	NT	
33436 1cyl/set	2FAC	DIESEL				6	T	118.0 × 2.81 × 3.9	K	BF		ST	NT	NT	ME993950
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	
							O	118.0 × 4.0 × 4.35	2F			ST	NT	NT	
33437	2FAC	DIESEL				6	T	118.0 × 2.81 × 3.9	K	BF		ST	NT	NT	ME990062
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	
							O	118.0 × 3.0 × 3.65	2F			ST	NT	NT	
33438 1cyl/set	2FAC	DIESEL				6	T	118.0 × 2.81 × 3.9	K	BF		ST	NT	NT	ME990063
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	
							O	118.0 × 3.0 × 3.65	2F			ST	NT	NT	
33451 1cyl/set	2FAC	DIESEL	Fighter		8,201	6	T	118.0 × 3.0 × 4.0		BF		ST	NT	NT	ME995562
							2	118.0 × 2.0 × 4.1		TF		ST	NT	NT	ME9955608(cyl)
							O	118.0 × 4.0 × 4.1	2F			ST	NT	NT	
33852	2FAC	DIESEL	Fuso Truck		10,308	6	T	125.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	30917-01012
			FD217R,FR117,117FD,I317				2	125.0 × 3.0 × 5.0		TF	ST	FC	CH	PH	30917-01013
			NP117,INR117,RP117,K202				O	125.0 × 6.0 × 5.45	2F			FC	CH	PH	
			Bus												
			MP117,117H,517,517H												
33881	2FAC	DIESEL	Fuso Truck		10,308	6	T	125.0 × 3.3 × 5.4	K	BF		FD	CH	PH	ME052145
			FD217R,FP117,117FD				2	125.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	
			NP117JD,K202				O	125.0 × 6.0 × 5.45	2F			FC	CH	PH	
			Bus												
			MP117,117H,517,517H												
33868	2FAC	DIESEL	Fuso Truck EP318		11,149	6	T	130.0 × 3.296 × 5.4	K	BF		FD	CH	PH	30917-20010
			FT318,FU318				2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	ME052124
			6D22T				O	130.0 × 6.0 × 5.5	2F			FD	CH	PH	
			Bus												
			MP118,MP518												
33958	2FAC	DIESEL	Fuso Truck		11,149	6	T	130.0 × 3.0 × 4.95		BF		ST	NT	NT	ME052758
			FP308,FP313,MP118,MP518				2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	
							O	130.0 × 6.0 × 5.4	2F			ST	CH	FE	
33916	2FAC	DIESEL	Fuso Truck EP318		11,149	6	T	130.0 × 3.296 × 5.4	K	BF		FD	CH	PH	ME052889
			Bus				2	130.0 × 3.0 × 5.3		TF	ST	FD	CH	PH	ME995467
			MP118,MP518				O	130.0 × 4.0 × 4.55	2F			ST	CH	FE	
33927	2FAC	DIESEL	Fuso Truck, Bus		11,149	6	T	130.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME052787
			Fork Lift				2	130.0 × 3.0 × 5.3		TF	ST	FD	CH	PH	
							O	130.0 × 6.0 × 5.667	2F			ST	CH	FE	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33960	2FAC DIESEL	6D24T	Truck			6	T	130.0 × 3.306 × 4.5	K	BF		FD	CH	PH	ME995636
							2	130.0 × 2.5 × 4.7		TF	BT	FD	CH	PH	
							O	130.0 × 4.0 × 4.35	2F			ST	NT	NT	
33827	2FAC DIESEL	8DC-2 8DC-4 8DC-7	Fuso Truck		13,273	8	T	130.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	31217-02010
			HV119KD,FP102DR				2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	ME062109
			112DR,112M				O	130.0 × 6.0 × 5.5	2F			FC	CH	PH	
			T931,T951,T811,T910												
			FQ112,FQ112H,FS119S												
			T931,T901,T911												
			FT102HD,112,119,202S,212S												
			FV112,W122												
			FU102JD,102N,112,112N,119												
			W155,W250,W400,K301												
			119N,123,212,212R												
			K302,K351,K501,K701												
			FV102HR,102JD,112HR,112JD												
			K900,K350,B900,B905												
			112,113HR,119,119JD,313												
33873	2FAC DIESEL	8DC-4 8DC-7	Fuso Truck T931,T881,T910		11,149	8	T	130.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME062298
			FT102,FV112				2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	
			Bus B801,B901				O	130.0 × 6.0 × 5.5	2F			FD	CH	PH	
33439	2FAC DIESEL	6D40-T				6	T	135.0 × 3.306 × 4.7	K	BF		FD	CH	PH	ME120536
							2	135.0 × 3.0 × 5.5		TF	ST	FD	CH	PH	
							O	135.0 × 4.0 × 4.35	2F			ST	NT	NT	
33457	2FAC DIESEL	6M70	Aero Star		12,882	6	T	135.0 × 3.306 × 4.7	K	BF		FD	CH	PH	ME995857
			Super Great				2	135.0 × 2.5 × 4.7		TF	BT	FD	CH	PH	ME995855/cyl
							O	135.0 × 4.0 × 4.35	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33849	2FAC	8DC-6	Fuso Truck		14,886	8	T	135.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	31217-60012
	DIESEL	8DC-8	K400,FP103DR,113,FR113				2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	ME062086
			FT103HD,N,FT113				O	135.0 × 6.0 × 5.85	2F			FC	CH	PH	
			HD,N,RP,203S												
			213S,FU103JD,N,113N,203R												
			213R,FV103JD,HR,113JD,HR												
			313,FW123,M,T812ZR,816ZR												
			902CR,FD,906FD,916FD,930CR												
			932DR,NW113KR												
			Bus												
			B907N,NA,S,SA,MS513,R,613												
33874	2FAC	8DC-81	FT,FJ,FV		14,886	8	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME062022
	DIESEL	8DC-6					2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	ME062246
							O	135.0 × 6.0 × 5.5	2F			FD	CH	PH	ME065684
33869	2FAC	8DC-9	Fuso Diesel Truck		16,031	8	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME062018
	DIESEL	8DC-9T	Tractor FP215,FV215				2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	ME062230
		8DC91					3	135.0 × 3.0 × 5.5	TF	SP		FC	CH	PH	
							O	135.0 × 6.0 × 5.5	2F			FD	CH	PH	
33888	2FAC	8DC-9	Fuso Truck		16,031	8	T	135.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	ME062090
	DIESEL	8DC-9T	FP315,FS313,FT315				2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	
			FU315,FV315,FW125				3	135.0 × 3.0 × 5.5	TF	SP		FC	PH	PH	
			Bus MS615				O	135.0 × 6.0 × 5.546	2F			ST	CH	FE	
33913	2FAC	8DC91T	Fuso Truck		16,031	8	T	135.0 × 3.296 × 5.4	K	BF		FD	CH	PH	ME090578
	DIESEL		FP315,FS313,FT315				2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	
			FU315,FV315,FW125				3	135.0 × 3.0 × 5.5	TF	SP		FC	PH	PH	
			Bus MS615				O	135.0 × 4.0 × 4.662	2F			ST	CH	FE	
33459	2FAC	8DC10					T	138.0 × 3.306 × 5.5	K	BF		FD	CH	PH	ME090582
	1cyl/set DIESEL						2	138.0 × 3.0 × 5.6	TF	ST		FC	CH	PH	
							3	138.0 × 3.0 × 5.6				FC	CH	PH	
							O	138.0 × 4.0 × 4.75	2F			ST	NT	NT	
33915	2FAC	8DC11	KS,Fuso,Aero Bus		16,752	8	T	142.0 × 3.306 × 5.6	K	BF		FD	CH	PH	30617-5011
	DIESEL		KC-FV,Super Great				2	142.0 × 3.0 × 5.8	TF	ST		FC	CH	PH	ME090586
							3	142.0 × 3.0 × 5.8	TF	SP		FC	CH	PH	ME999990
							O	142.0 × 4.0 × 4.662	2F			ST	CH	FE	
33978	2FAC	8DC11	KS,Fuso,Aero Bus		16,752	8	T	142.0 × 3.306 × 5.6	K	BF		FD	CH	PH	30617-5011
	1cyl/set DIESEL		KC-FV,Super Great				2	142.0 × 3.0 × 5.8	TF	ST		FC	CH	PH	ME090586
							3	142.0 × 3.0 × 5.8	TF	SP		FC	CH	PH	ME999990
							O	142.0 × 4.0 × 4.662	2F			ST	CH	FE	
33452	2FAC	8M20				8	T	146.0 × 3.306 × 5.2	K	BF		FD	CH	PH	ME996163
	1cyl/set DIESEL						2	146.0 × 3.0 × 5.6	TF	ST		FD	CH	PH	
							3	146.0 × 3.0 × 5.7	TF	SP		FC	CH	PH	
							O	146.0 × 4.0 × 4.4	2F			ST	NT	NT	

64

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment		Reference
											Outside	Upper/Lower	

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34090	3F	MA10 MA10ET	March	987	4	T	68.0 × 1.5 × 2.6	BF	ST	CH	FE	12033-01B05
						2	68.0 × 1.5 × 3.1	TF	FC	PH	PH	12033-01B10
						O	68.0 × 2.8 × 2.9	3F	ST	CH	PH	12033-01B11
34197	3F	CG	MARCH	997	4	T	71.0 × 1.2 × 2.5	BF	ST	CH	PH	12033-41B01
						2	71.0 × 1.5 × 3.1	TF	FC	PH	PH	
						O	71.0 × 3.0 × 2.8	3F	ST	NT	NT	
34199	3F	CR12DE	AD/AD EXPERT/March	4	T	71.0 × 1.2 × 2.5	BF	ST	CH	PH	12033-AX001	
					2	71.0 × 1.2 × 2.7	TF	FC	PH	PH	12033-AX00A	
					O	71.0 × 2.0 × 2.25	3F	ST	CH	PH		
34144	3F	GA13DS		1,200	4	T	71.0 × 1.5 × 2.5	BF	ST	CH	FE	12033-05B10
						2	71.0 × 1.5 × 3.05	TF	FC	PH	PH	12033-05B11
						O	71.0 × 2.8 × 2.75	3F	ST	NT	PH	
34217	3F	MA12S	Micra	1,235	4	T	71.0 × 1.5 × 2.3	BF	ST	NT	NT	12033-05B10
						2	71.0 × 1.5 × 3.2	TF	FD	PH	PH	
						O	71.0 × 2.8 × 2.8	3F	ST	NT	NT	
34210	3F	CG13		4	T	72.0 × 1.2 × 2.6	BF	ST	CH	PH	12033-2U800	
					2	72.0 × 1.2 × 3.1	TF	FC	PH	PH		
					O	72.0 × 2.5 × 2.45	3F	ST	CH	PH		
34001	3F	A12	Bluebird	1,299	4	T	73.0 × 2.0 × 3.0	TF	FC	CH	PH	12033-A6200
		J	P140,410,411,WP410	1,189	2	73.0 × 2.0 × 3.0	TF	FC	PH	PH	12033-B3040	
		EJ	1200,1300,Pick-Up	1,177	O	73.0 × 4.0 × 3.2	3F	ST	CH	PH	12033-H6200	
		J13	320,520,521,A321								12033-H6201	
		A10	G521,620,KA321,KPA321									
		F1	SA321,U510,521,620									
		A13	N320,U320,UA321,V320									
		JC	VA320,321,A320,AD320									
			KA320,SA320									
			Sunny(100Y,120Y)									
			B10,20,120,KB10,KC20,VB10									
			Cherry									
			A-KPC20D,B-F11,F10									
			H-P20S,H-VF10,KF10,KPE10									
	PE10,VF10,VP10,VPC20S											
	Cabster											
	Pulser(100A,120A)											
	Vanette(C20)											
34067	3F	E10	Sunny	1,000	4	T	73.0 × 1.5 × 2.7	BF	ST	CH	FE	12033-41M01
		E10S	P130,VP130,WP130		2	73.0 × 1.5 × 3.1	TF SP	FC	PH	PH	12033-41M02	
					O	73.0 × 4.0 × 3.25	3F	ST	CH	PH		

NISSAN

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34178	3F	EJ5KK				4	T	73.0 × 1.2 × 2.2	BF			ST	CH	FE	12033-AX201
							2	73.0 × 1.2 × 2.8	TF			FC	PH	PH	12033-AX20A
							O	73.0 × 2.0 × 2.15	3F			ST	NT	NT	
34081	3F	GA14 GA14S	AD Van		1,400	4	T	73.6 × 1.5 × 2.75	BF			ST	NT	NT	12033-87A00
			R-VY10,VFY10		2	73.6 × 1.5 × 3.2	TF			FC	CH	PH	12033-87A10		
					O	73.6 × 2.8 × 2.8	3F			ST	CH	PH			
34084	3F	GA15 GA15S	AD Van		1,400	4	T	73.6 × 1.5 × 2.75	BF			ST	NT	NT	12033-53Y00
			R-VY10,VFY10		2	73.6 × 1.5 × 3.2	TF			FC	PH	PH			
					O	73.6 × 2.8 × 2.8	3F			ST	CH	PH			
34207	3F	QG15DE				4	T	73.6 × 1.2 × 2.6	BF			ST	CH	FE	12033-5M370
							2	73.6 × 1.2 × 3.2	TF			FC	PH	PH	
							O	73.6 × 2.5 × 2.65	3F			ST	CH	PH	
34222	3F	QG15DE-2				4	T	73.6 × 1.2 × 2.6	BF			ST	CH	FE	12033-4M520
							2	73.6 × 1.2 × 3.2	TF			FC	PH	PH	
							O	73.6 × 2.0 × 2.5	3F			ST	CH	PH	
34037	3F	A12A	Sunny(120Y),B310,YN10		1,237	4	T	75.0 × 2.0 × 2.75	BF			ST	NT	NT	12033-H8500
			Pulser(120A)Cherry		2	75.0 × 2.0 × 3.2	TF			FC	PH	PH			
					O	75.0 × 4.0 × 3.25	3F			ST	CH	PH			
34606	3F	A14	Sunny(140Y)		1,397	4	T	76.0 × 2.0 × 2.75	BF			ST	NT	NT	12033-H7200
			B310,B-A10,B-KA10,B-HB211		2	76.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-H8660		
			B-KHB211,B-KPF11		O	76.0 × 4.0 × 3.25	3F			ST	CH	PH	12033-H8900		
			Violet(140J)										12033-H9910		
			HB310,H-VHB210,HN10,PC PGC121,VHB310,311,VHN 10,11 VYN10,WHB310,A11,LA10 Pulser(140A)												
34038	3F	A15 A14(NEW)	Sunny		1,487	4	T	76.0 × 1.2 × 3.1	BF			ST	CH	FE	12033-H7680
			Pulser		1,397	2	76.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-H9800	
			Vanette(C20),KHC120		O	76.0 × 4.0 × 3.25	3F			ST	CH	PH	12033-H9810		
													12033-H9915 12033-H9918		
34053	3F	E13	Sunny(210),AD		1,270	4	T	76.0 × 1.5 × 3.2	BF			FD	CH	PH	12033-01M01
		E15	Van,B11FWD		1,487	2	76.0 × 1.5 × 3.4	TF SP			FC	PH	PH	12033-01M02	
		E13S	Pulser,AD Van		O	76.0 × 4.0 × 3.25	3F			ST	CH	PH	12033-01M10		
		E15S	Datsun,AD Van										12033-01M12		
		E15-T	Laurel Spirit										12033-17M00		
		E16	SENTRA,rangley										12033-17M10 12033-61A00		
34082	3F	GA16 GA16DE	Sunny		1,600	4	T	76.0 × 1.5 × 3.2	BF			FD	CH	PH	12033-57Y00
			Pulser		2	76.0 × 1.5 × 3.2	TF			FC	PH	PH	12033-57Y01		
			Premera		O	76.0 × 2.8 × 2.85	3F			ST	CH	PH	12033-84A11		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34079	3FAC	GA16-DS 6A16	Blue Bird		1,600	4	T	76.0 × 1.5 × 2.75	BF			ST	NT	NT	12033-94M00
			Carena,Sunny,Pulser		2	76.0 × 1.5 × 3.2	TF			FC	CH	PH	12033-94M01		
					O	76.0 × 2.8 × 2.75	3F			ST	NT	PH	12033-94M02		
34198	3F	QG16DE	PRIMERA 02-			4	T	76.0 × 1.2 × 2.8	BF			ST	CH	PH	12033-7J910
				2	76.0 × 1.2 × 3.2	TF			FC	PH	PH				
				O	76.0 × 2.5 × 2.75	3F			ST	CH	PH				
34112	3F	VQ20 VQ20DE	Cefiro		1,995	6	T	76.0 × 1.2 × 2.75	BF BT			ST	CH	FE	12033-31U00
			Maxima		2	76.0 × 1.2 × 3.2	TF			FC	PH	PH	12033-31U01		
				O	76.0 × 2.5 × 3.05	3F			ST	CH	PH				
34062	3FAC	CA16S	Auster		1,598	4	T	77.95 × 1.5 × 3.3	BF			FD	CH	PH	12033-D0120
			Stanza		2	77.95 × 1.5 × 3.4	TF SP			FC	CH	PH	12033-D0400		
			Blue Bird		O	77.95 × 4.0 × 3.0	3F			ST	CH	PH	12033-06E00 12033-06E10		
34031	3F	J15 J16	Caravan(E20)		1,483	4	T	77.95 × 2.0 × 3.7	TF			FC	CH	PH	12033-01W60
			1500,1600 Pick-Up		2	77.95 × 2.0 × 3.7	TF SP			FC	PH	PH	12033-01W61		
			N521,N620,GN1521,UN521		O	77.95 × 4.0 × 3.95	3F			ST	CH	PH	12033-01W62		
			VH521,T20,HT20,VHT20, VV20									12033-B3030 12033-B8200			
			Bus GHK20,HE20,H-VSE20 KT20,SVE20,VE20,VHT20												
34019	3F	L20 L20A	Cedric(200C)		1,998	6	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-73401
			H130		2	77.95 × 2.5 × 3.7	TF SP			FC	PH	PH	12033-73402		
				O	77.95 × 4.0 × 3.55	3F			ST	CH	FE				
34025	3F	L20A L20A LPG L20ET	Cedric(200C)		1,998	6	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-E3030
			Gloria		2	77.95 × 2.0 × 3.7	TF			FC	PH	PH	12033-V0300		
			Laurel(200L)		O	77.95 × 4.0 × 3.55	3F			ST	CH	PH	12033-V0310		
			Skyline(200K) FairladyZ(200Z)									12033-V0400			
34059	3F	L20A-2	Cedric		1,998	6	T	77.95 × 1.5 × 3.3	BF			FD	CH	PH	12033-01L00
			H130,HV130,W230,330		2	77.95 × 2.0 × 3.6	TF SP			FC	PH	PH			
			V230,VH130,W230,WH130		O	77.95 × 4.0 × 3.55	3F			ST	CH	FE			
			Bluebird C-RG810,G610,KG610 Skyline2000GT AGC110,GC10,110 KGC10,110,KPC110,WPC110 Gloria HA30,VHA30 Fairlady Z AG610,A-S30,CRG810 S30,SG30,PS30												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34036	3F	L20E L20A (NEW)	Cedric(200C)		1,998	6	T	77.95 × 1.2 × 3.2	BF			ST	CH	PH	12033-Y7000
			Gloria				2	77.95 × 2.0 × 3.7	TF			FC	PH	PH	12033-Y7010
			430,K430,V430,VH430,W430				O	77.95 × 4.0 × 3.65	3F			ST	CH	PH	12033-Y7011
			Fairlady Z(200Z)GS130,S130 Leopard PF30 Laurel(200L) HC231,HLC230,KHC231, KHL231 Skyline(200K)K,HGC211												
34220	3FAC	VG20			1,998	6	T	77.95 × 1.5 × 2.7	BF			ST	CH	FE	12033-V5310
							2	77.95 × 1.5 × 3.4	TF			FC	CH	PH	
							O	77.95 × 2.8 × 2.65	3F			ST	CH	PH	
34215	3F	HR12DE	MARCH			3	T	78.0 × 1.2 × 2.5	BF			ST	CH	FE	12033-1HC0C
							2	78.0 × 1.2 × 2.7	TF			FC	PH	PH	
							O	78.0 × 2.0 × 2.25	3F			ST	CH	PH	
34177	3F	HR16DE				4	T	78.0 × 1.2 × 2.5	BF			ST	CH	FE	12033-EE000
							2	78.0 × 1.2 × 2.7	TF			FC	PH	PH	
							O	78.0 × 2.0 × 2.4	3F			ST	CH	PH	
34061	2FAC DIESEL	CD17	Sunny Diesel,SB11		1,680	4	T	80.0 × 1.75 × 2.95	BF			ST	NT	NT	12033-16A00
							2	80.0 × 2.0 × 3.3	TF ST			FC	CH	PH	
							O	80.0 × 3.0 × 3.75	2F			ST	NT	NT	
34195	3F	QG18				4	T	80.0 × 1.2 × 2.85	BF			ST	CH	FE	12033-4M70A
							2	80.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	80.0 × 2.5 × 2.65	3F			ST	NT	NT	
34131	3F	QG18DE			1,769	4	T	80.0 × 1.2 × 2.85	BF			ST	CH	FE	12033-AV300
							2	80.0 × 1.2 × 3.4	TF			FC	PH	PH	12033-8M100
							O	80.0 × 2.5 × 2.5	3F			ST	CH	PH	
34202	3FAC	QG18DE-2	WINGROAD			4	T	80.0 × 1.5 × 2.9	BF			ST	CH	FE	12033-WD310
			BLUE BIRD				2	80.0 × 1.5 × 3.4	TF			FC	CH	PH	
			SENTRA				O	80.0 × 2.8 × 2.75	3F			ST	CH	PH	
34080	3F	J18	MEXICO NISSAN		1,800	4	T	80.5 × 1.5 × 3.5	BF			FD	CH	PH	12033-J2190
							2	80.5 × 2.0 × 3.7	TF SP			FC	PH	PH	12033-J21G0
							O	80.5 × 4.0 × 3.2	3F			ST	CH	PH	12033-N7900
34032	3F	G15	Skyline1500		1,484	4	T	82.0 × 2.0 × 3.8	TF			FC	CH	PH	12033-28500
			C10,C10M,S,WT,WC10M				2	82.0 × 2.0 × 3.8	TF			FC	PH	PH	
			VC10M,S				O	82.0 × 4.0 × 3.55	3F			ST	CH	PH	
34063	3F	CA18 C18E C18S	Bluebird		1,809	4	T	83.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-01E00
			Stanza,Auster				2	83.0 × 1.5 × 3.6	TF SP			FC	PH	PH	12033-01E10
			Laurel,Skyline				O	83.0 × 4.0 × 3.6	3F			ST	CH	PH	12033-01F00
			Gazella,Siliva												12033-D0210 12033-D0500

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34180	3FAC	CA18-DET	Gazelle		1,809	4	T	83.0 × 1.5 × 2.9	BF			ST	NT	NT	12033-44F00
							2	83.0 × 1.5 × 3.6	TF				CH	PH	12033-D4210
							O	83.0 × 2.8 × 2.75	3F				NT	NT	12033-17F00
														12033-18F00	
														12033-18F10	
34066	3FAC	CA18ET	Bluebird V11T		1,809	4	T	83.0 × 1.5 × 2.9	BF			ST	CH		12033-17F00
			Stanza,Auster				2	83.0 × 1.5 × 3.6	TF				CH	PH	12033-18F00
			Gazella turbo				O	83.0 × 2.8 × 2.95	3F				CH	PH	12033-18F10
34023	3F	L16	Bluebird1300		1,296	4	T	83.0 × 2.0 × 3.1	BF			ST	NT	NT	12033-21000
		L13	510,V510,W510		1,428	2	83.0 × 2.0 × 3.4	TF			PH		PH	12033-23000	
		L14	Bluebird1400		1,595	O	83.0 × 4.0 × 3.6	3F			CH		PH	12033-A0600	
		Z16	N510,VH510											12033-A3500	
			Violet(140J)											12033-A3501	
			J710,JK710,VJ710											12033-W0700	
			Sunny(140Y)											12033-W7110	
			A-PB210,PB210												
			Bluebird1600												
	Violet(160J)														
		Auster													
34035	3F	L24	Cedric(240C),ML430		2,393	6	T	83.0 × 2.0 × 3.1	BF			ST	NT	NT	12033-A8620
		L26	Laurel(240L),KMLC230		2,563	2	83.0 × 2.0 × 3.4	TF			PH		PH	12033-E3100	
			Skyline(240K),K-MLGC210			O	83.0 × 4.0 × 3.6	3F			CH		PH	12033-E3110	
			Fairlady Z(240Z)											12033-W0810	
			Cedric(260C)												
			Gloria,Laurel(260L)												
		Fairlady Z(260Z)													
34051	3F	L24E	Bluebird, Maxima		2,393	6	T	83.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-W2400
							2	83.0 × 2.0 × 3.4	TF				PH	PH	12033-W2410
							O	83.0 × 4.0 × 3.6	3F				CH	PH	12033-W2420
34052	3F	L24E-2	Bluebird		2,393	6	T	83.0 × 1.5 × 3.6	BF			FD	CH	PH	12033-W3100
							2	83.0 × 1.5 × 3.6	TF SP				PH	PH	
							O	83.0 × 4.0 × 3.55	3F				CH	PH	
34022	2F	SD22	Cedric Diesel(200C)		1,991	4	T	83.0 × 2.5 × 3.15	HK BF			ST	NT	NT	12033-37500
		DIESEL SD20	Q130,230,330,QG31Y		2,164	2	83.0 × 2.0 × 3.4	TF			FC		PH	PH	12033-76202
			Laurel Diesel(200L)			3	83.0 × 2.0 × 3.4	TF SP			FC		PH	PH	12033-76203
			Caravan(E20)			O	83.0 × 4.5 × 4.25	2F			ST		CH	FE	12033-76204
			DRGE23,GKRE20			O	83.0 × 4.5 × 3.4	1F			FC		PH	PH	12033-V1310
			VRE20,VRSE20												12033-Y1400
			Caball												12033-Y1401
			DQC240,HQC142,QC141,240												12033-Y1402
			Cabstar												12033-Y1404
			QF21,QLGF20												12033-Y1410
			Diesel Pick-Up												12033-Y1412
			S720,SL720,SG720,SLG720												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34054	2F DIESEL	SD22-2	Truck		2,164	4	T	83.0 × 2.5 × 3.5	BF			FD	CH	PH	12033-R8100
			Q22,40,QC141,240,DQC240				2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-R8103
			HQC142,240				O	83.0 × 4.5 × 4.25	2F			ST	CH	FE	12033-R8104
			Bus												12033-R8110
			GHQC240,658,665												12033-R8112
			GQC240												12033-R8114
34034	2F DIESEL	SD33	Truck		3,246	6	T	83.0 × 2.5 × 3.15	HK BF			ST	NT	NT	12033-61500
			QC80,QSC80,DQS80,A,B				2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-61502
			Safari 4WD				3	83.0 × 2.0 × 3.4	TF SP			FC	PH	PH	12033-61503
			Patrol 4WD				O	83.0 × 4.5 × 4.25	2F			ST	CH	FE	12033-J2200
			KR160,KRL160,JRL160, VRG160				O	83.0 × 4.5 × 3.4	1F			FC	PH	PH	12033-J2202
															12033-J2204
34191	2FAC DIESEL	SD33T	Patrol 4WD		3,246	6	T	83.0 × 2.5 × 3.5	HK BF			FC	CH	PH	12033-C8702
			Safari 4WD				2	83.0 × 2.0 × 3.4	TF ST			FC	CH	PH	12033-C8704
							O	83.0 × 4.0 × 3.9	2F			ST	NT	NT	
34162	3F	MR20DE	THIDA			4	T	84.0 × 1.2 × 2.6	BF			ST	CH	FE	12033-EN200
							2	84.0 × 1.2 × 3.0	TF			FC	PH	PH	12033-CK80A
							O	84.0 × 2.0 × 2.45	3F			ST	CH	PH	12033-EN20A
34056	3FAC	CA20 CA20A CA20S	Bluebird YU11		1,973	4	T	84.5 × 1.5 × 3.6	BF			FD	CH	PH	12033-04E00
			Cedric NY30				2	84.5 × 1.5 × 3.9	TF SP			FC	CH	PH	12033-04E10
			Vanette				O	84.5 × 4.0 × 3.25	3F			ST	CH	PH	12033-D1700
34086	3F	CA20(NEW) CA20E	Bluebird		1,973	4	T	84.5 × 1.5 × 3.15	BF			ST	NT	NT	12033-13E00
							2	84.5 × 1.5 × 3.7	TF			FC	CH	PH	12033-35R00
							O	84.5 × 2.8 × 2.9	3F			ST	NT	PH	12033-61E10
34097	2FAC DIESEL	CD20	Sunny Diesel		1,952	4	T	84.5 × 2.0 × 2.95	BF			ST	NT	NT	12033-57J00
			Datsun Truck				2	84.5 × 2.0 × 3.5	TF ST			FC	CH	PH	
							O	84.5 × 3.0 × 3.3	2F			ST	NT	NT	
34039	2F DIESEL	LD28	Cedric Diesel(280C)		2,792	6	T	84.5 × 2.0 × 3.15	BF			ST	NT	NT	12033-V0700
			Gloria				2	84.5 × 2.0 × 3.5	TF ST			FC	PH	PH	
			H430,HL430,KH430,W430				O	84.5 × 4.0 × 4.1	2F			ST	NT	NT	
			Skyline Diesel(280K) EGC211,KEGC211												
34219	3F	CA20E	200SX,Gazelle,Pintara		1,974	4	T	84.5 × 1.5 × 3.25	BF			ST	CH	FE	12033-D3600
			Stanza,Bluebird U12				2	84.5 × 1.5 × 3.7	TF			FC	PH	PH	
			Bluebird T72				O	84.5 × 2.8 × 2.85	3F			ST	CH	PH	
34163	3F	J23	TEANA			6	T	85.0 × 1.2 × 3.15	BF BT			ST	NT	NT	
							2	85.0 × 1.2 × 3.5	TF SP			FC	PH	PH	
							O	85.0 × 2.0 × 2.25	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34028	3F	L18	Skyline(180K)		1,815	4	T	85.0 × 2.0 × 3.8	TF			FC	CH	PH	12033-78520
		G16,G18	KPC10,110,PC10,110		1,770		2	85.0 × 2.0 × 3.9	TF			FC	PH	PH	12033-78521
		Z18	VPC10,110,WPC10,110		1,998		O	85.0 × 4.0 × 3.55	3F			ST	CH	PH	12033-A8701
		L20B	Laurel(180L)												12033-A8702
		G4	C30,C30A,C30T,KC30												12033-U6000
			Bluebird												12033-U6001
			AP610,C-PB810,C-PJ810,												12033-U6002
			H510												12033-W0805
			KH510,KP610,P610,U1800												12033-W0815
			1800 Pick-Up												12033-W1600
34040	2F DIESEL	LD20	Bluebird Diesel,VEJ910		1,952	4	T	85.0 × 2.0 × 3.15	BF			ST	NT	NT	12033-W1700
			Skyline Diesel(200K)				2	85.0 × 2.0 × 3.5	TF	ST		FC	PH	PH	
			VSC211				O	85.0 × 4.0 × 4.1	2F			ST	NT	NT	
34129	2FAC DIESEL	RD28	Crew		2,825	6	T	85.0 × 2.0 × 3.15	BF			ST	NT	NT	12033-22J11
			Gloria,skyline				2	85.0 × 2.0 × 3.5	TF	ST		FC	CH	PH	
							O	85.0 × 4.0 × 4.1	2F			ST	NT	NT	
34042	3FAC-T	Z18	Bluebird ,KY910		1,952	4	T	85.0 × 1.5 × 3.6	TF			FD	CH	PH	12033-24G00
		Z20	Skyline(200K),KVC211				2	85.0 × 1.5 × 3.9	TF			FC	CH	PH	12033-N8510
		Z20E	Laurel(200L),VC231,KVC231				O	85.0 × 4.0 × 3.55	3F			ST	CH	PH	12033-N8520
			Silvia(200SX),PS110,KPS110												
34057	3F	Z20-2	Bluebird (200SX)		1,952	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	12033-N8500
		Z20F	Silvia				2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	
							O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	
34068	3F	Z20-3	Auster Stanza		1,952	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	12033-04W00
		Z18-3	FRA11,JF30,KPC231		1,770		2	85.0 × 2.0 × 3.7	TF			FC	PH	PH	12033-D5810
		Z20B	JF30,PC231,P,PG		1,998		O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	
		L20B	WP910,S-KS110												
34218	2FAC DIESEL	RD28TQ			2,826	6	T	85.0 × 2.0 × 3.1	HK	BF		ST	NT		12033-81T10
							2	85.0 × 2.0 × 3.5	TF	ST		FC	CH	PH	
							O	85.0 × 4.0 × 4.2	2F			ST	NT		
34007	3F	P	Patrol 4WD,Truck		3,956	6	T	85.69 × 2.5 × 3.7	BF	BT		FC	CH	PH	12033-58003
			680,681,D680,G680,T680				2	85.69 × 2.5 × 3.7	TF			FC	PH	PH	12033-58004
			780,D780,G780,S780,T780				O	85.69 × 4.76 × 3.55	3F			ST	CH	PH	12033-58005
			Bus,E690												12033-C6000
34170	3FAC	K30				4	T	86.0 × 1.2 × 3.15	BF	BT		ST	NT	NT	12033-VR300
		SY31					2	86.0 × 1.2 × 3.5	TF			FC	CH	PH	
							O	86.0 × 4.0 × 2.9	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34608	3F	L28 L28F	Cedric(280C)		2,753	6	T	86.0 × 2.0 × 3.1	BF	BT		ST	CH		12033-N4200
			Laurel(280L)				2	86.0 × 2.0 × 3.6	TF	ST		FC	PH	PH	12033-N4210
			A-P330,A-SC130,CKN230				O	86.0 × 4.0 × 3.25	3F			ST	NT	NT	12033-N4220
			CNC230,KP330,KSC130, KNC213												12033-P8360
			Fairlady Z(280Z) HS130,HLS130,KHLS130 HLGS130,KHLGS130 Leopard												12033-P8370
34055	3F	L28-2 L28-T L28E	Laurel(280Z)		2,753	6	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-P7900
			Leopard				2	86.0 × 2.0 × 3.6	TF	ST		FC	PH	PH	12033-P7910
			Fairlady				O	86.0 × 4.0 × 3.25	3F			ST	NT	NT	12033-P8600
			Cabster NW40												12033-P8610
34111	3FAC	NA20				4	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-3T602
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	
							O	86.0 × 4.0 × 3.25	3F			ST	NT	NT	
34188	3FAC	NA20S	Caravan		2,000	4	T	86.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-85G00
							2	86.0 × 1.5 × 3.7	TF			FC	CH	PH	12033-85G10
							O	86.0 × 4.0 × 3.4	3F			ST	NT	NT	
34076	3F	RB30E			3,000	6	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-67S10
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	12033-B4910
							O	86.0 × 2.8 × 2.9	3F			ST	CH	PH	
34085	3F	SR20	Bluebird		1,998	4	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-53J00
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	
							O	86.0 × 3.0 × 2.85	3F			ST	CH	PH	
34186	3F	SR20				4	T	86.0 × 1.2 × 3.0	BF			ST	CH	FE	12033-2J210
							2	86.0 × 1.2 × 3.7	TF			FC	PH	PH	
							O	86.0 × 2.5 × 2.75	3F			ST	CH	PH	
34187	3FAC	SR20-2	Bluebird		2,000	4	T	86.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	12033-4M802
			Silvia 180SX				2	86.0 × 1.2 × 3.7	TF			FC	CH	PH	
							O	86.0 × 2.5 × 2.75	3F			ST	CH	PH	
34169	3FAC	TZ3P				4	T	86.0 × 1.5 × 3.2	BF	BT		ST	NT	NT	12033-OH600
							2	86.0 × 1.5 × 3.7	TF			FC	CH	PH	
							O	86.0 × 4.0 × 2.9	3F			ST	NT	NT	
34167	2F DIESEL	YD22			2,200	4	T	86.0 × 2.0 × 2.95	HK	BF		ST	NT	NT	12033-AW400
							2	86.0 × 2.0 × 3.5	TF	ST		FC	PH	PH	
							O	86.0 × 3.0 × 3.53	2F			ST	NT	NT	
34168	2FAC DIESEL	YD22-2			2,200	4	T	86.0 × 1.75 × 3.0	HK	BF		ST	NT	NT	12033-WD000
							2	86.0 × 1.5 × 3.1	TF	BT		FD	CH	PH	
							O	86.0 × 3.0 × 3.53	2F			ST	NT	NT	
34103	2FAC DIESEL	LD23	Serena			4	T	87.0 × 2.0 × 3.45	BF			ST	CH	FE	12033-9C626
							2	87.0 × 2.0 × 3.6	TF	SP		FC	CH	PH	
							O	87.0 × 3.0 × 3.4	2F			ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34065	3FAC	VG30	Cedric PY30		2,960	6	T	87.0 × 1.5 × 3.1	BF			ST	CH	PH	12033-02P10
			Fairlady				2	87.0 × 1.5 × 3.8	TF				CH	PH	12033-03P00
			Gloria				O	87.0 × 2.8 × 2.95	3F				CH	PH	12033-03P10
															12033-21P10
34189	3FAC	VG30-2	Caraban		2,960	6	T	87.0 × 1.5 × 3.15	BF			ST	NT	NT	12033-17V00
			PY31,KE24,WHYD21,JPY32,				2	87.0 × 1.5 × 3.7	TF				CH	PH	12033-17V01
			Z32,PY32,CZ32				O	87.0 × 2.8 × 2.9	3F				NT	NT	
34181	3FAC	VG30-DE	Gloria		2,960	6	T	87.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-F6500
			Cedric				2	87.0 × 1.5 × 3.7	TF				CH	PH	12033-F6510
							O	87.0 × 2.8 × 3.05	3F				CH	PH	12033-F6511
34150	3FAC	VG30-I	Datsun Truck		2,960	6	T	87.0 × 2.0 × 3.0	BF			ST	NT	NT	12033-15G10
							2	87.0 × 1.5 × 3.7	TF				CH	PH	12033-15V00
							O	87.0 × 2.8 × 2.9	3F				NT	PH	12033-V8000
34050	3FAC	Z22	Datsun Truck		2,187	4	T	87.0 × 1.5 × 3.7	BF			FD	CH	PH	12033-06W10
		Z22S	Cabster UW40				2	87.0 × 1.5 × 4.0	TF SP				CH	PH	12033-06W20
		Z22E					O	87.0 × 4.0 × 3.2	3F				CH	FE	12033-D8500
34017	3F	H20 H20P	Cedric (Y130)		1,982	4	T	87.2 × 2.0 × 4.05	BF BT			FC	CH	PH	12033-14601
			130,V130,N230,VN230,				2	87.2 × 2.5 × 4.05	TF SP				PH	PH	12033-R9000
			AN230				O	87.2 × 4.0 × 4.05	3F				CH	PH	12033-R9023
			Silvia(160S)CPS311												12033-Y4460
			Fairlady SP311												
			Bluebird R411												
			President150,250												
			Truck												
			C142,240,D641,660,DC142,												
			240												
			HC240,655,657,662												
			V140,641,A,642,VC655												
			446,A,641,A,V641												
			C80,SC80,DSC80												
34020	3F	H30	President,150,250		2,974	6	T	87.2 × 2.0 × 4.0	TF			FC	CH	PH	12033-66001
			Cedric(300C),Y130				2	87.2 × 2.5 × 4.0	TF				PH	PH	
							O	87.2 × 4.0 × 3.65	3F				CH	FE	
34030	3F	G20	Laurel(200L)		1,990	4	T	89.0 × 2.0 × 4.3	TF			FC	CH	PH	12033-E6620
			PC30,130,KPC30,130				2	89.0 × 2.0 × 4.3	TF				PH	PH	12033-E6800
							O	89.0 × 4.0 × 3.65	3F				CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34114	3F	KA24	Largo MH11,W30		2,388	4	T	89.0 × 1.5 × 3.25	BF			ST	CH	FE	12033-53F01
							2	89.0 × 1.5 × 3.9	TF			FC	PH	PH	12033-70F00
							O	89.0 × 2.8 × 2.85	3F			ST	CH	PH	
34143	3F	KA24DE			2,488	4	T	89.0 × 1.2 × 3.3	BF BT			ST	CH	FE	12033-5V110
							2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	
							O	89.0 × 2.5 × 3.05	3F			ST	CH	PH	
34147	3F	KA24DE	Altima		2,388	4	T	89.0 × 1.2 × 3.3	BF BT			ST	CH	FE	12033-9E000
							2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	
							O	89.0 × 2.5 × 2.75	3F			ST	CH	PH	
34190	3F	QR20DE	Sentra Altima			4	T	89.0 × 1.2 × 3.3	BF			ST	CH	FE	12033-AE003
							2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	
							O	89.0 × 2.5 × 2.75	3F			ST	CH	PH	
34149	3F	QR25 QR25DE	Altima		2,488	4	T	89.0 × 1.2 × 3.15	BF BT			ST	NT	NT	12033-8H301
							2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	12033-9H500
							O	89.0 × 2.5 × 2.55	3F			ST	CH	PH	
34064	2FAC DIESEL	SD23 SD25	Altas NF22 Cedric RY30		2,289 2,488	4	T	89.0 × 2.5 × 3.7	BF			FD	CH	PH	12033-L2000
							2	89.0 × 2.0 × 3.7	TF ST			FD	CH	PH	12033-L2002
							O	89.0 × 4.5 × 4.2	2F			FC	CH	PH	12033-L2003
															12033-L2004
34194	3FAC	TA3I				6	T	89.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-86G00
							2	89.0 × 1.5 × 3.9	TF			FC	CH	PH	12033-86G01
							O	89.0 × 2.8 × 2.85	3F			ST	NT	NT	
34105	2FAC DIESEL	TD23	Datsun Truck		2,289	4	T	89.0 × 2.5 × 3.35	BF			ST	NT	NT	12033-02N00
							2	89.0 × 2.0 × 3.7	TF ST			FC	CH	PH	12033-02N10
							O	89.0 × 4.0 × 4.1	2F			ST	NT	NT	12033-02N11
34182	2FAC DIESEL	YD25			2,500	4	T	89.0 × 2.0 × 3.0	HK BF			ST	NT	NT	12033-VK520
							2	89.0 × 2.0 × 3.5	TF ST			FC	CH	PH	
							O	89.0 × 3.0 × 3.55	2F			ST	NT	NT	
34206	2FAC DIESEL	YD25-2	Navara		2,500	4	T	89.0 × 2.0 × 3.0	HK BF			ST	NT	NT	12033-EB70A
							2	89.0 × 2.0 × 3.4	TF ST			FC	PH	PH	12033-EB30B
							O	89.0 × 3.0 × 3.55	2F			ST	NT	NT	
34134	2F DIESEL	YD25TI	Frontier Navara		2,500	4	T	89.0 × 2.0 × 2.95	HK BF			ST	NT	NT	12033-VK510
							2	89.0 × 2.0 × 3.4	TF ST			FC	PH	PH	
							O	89.0 × 3.0 × 3.55	2F			ST	NT	NT	
34070	3FAC	Z24	Datsun Truck		2,400	4	T	89.0 × 1.5 × 3.7	BF			FD	CH	PH	12033-10W00
							2	89.0 × 1.5 × 3.9	TF SP			FC	CH	PH	12033-30W10
							O	89.0 × 4.0 × 3.5	3F			ST	CH	PH	
34077	3FAC	Z24-2	URVAN Datsun Truck		2,400	4	T	89.0 × 2.0 × 3.15	BF BT			ST	NT	NT	12033-13G10
							2	89.0 × 1.5 × 3.9	TF SP			FC	CH	PH	12033-83W00
							O	89.0 × 4.0 × 3.25	3F			ST	CH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/Lower		
34221	3F	QR25DE	X-Trail		2,488	4	T	89.0 × 1.2 × 2.9	BF			ST	PV	NT	12033-JG30A	
			Serena				2	89.0 × 1.2 × 3.8	TF SP		FC		PH	PH	12033-JA00B	
			Teana				O	89.0 × 2.0 × 2.2	3F				ST	PV	-	12033-ET80B
			Elgrand													
			Murano													
			Altima													
			Caravan													
34132	3F	VG33	Terrano		3,274	6	T	91.5 × 1.5 × 3.25	BF			ST	CH	FE	12033-0W000	
			Elgrand				2	91.5 × 1.5 × 4.0	TF		FC		PH	PH	12033-0W010	
							O	91.5 × 2.8 × 2.85	3F				ST	CH	PH	
34078	2FAC DIESEL	TD25 AD-4	Dutsun Track		2,494	4	T	92.9 × 2.5 × 3.55	BF			ST	NT	NT	12033-44G10	
							2	92.9 × 2.0 × 4.0	TF ST		FC		CH	PH		
							O	92.9 × 4.0 × 3.95	2F				ST	NT		NT
34095	2FAC DIESEL	TD25-2	Dutsun Track		2,494	4	T	92.9 × 2.5 × 3.55	BF			ST	NT	NT	12033-5T115	
							2	92.9 × 2.0 × 4.0	TF ST		FC		CH	PH		
							O	92.9 × 3.0 × 3.8	2F				ST	NT		NT
34135	2FAC DIESEL	TD25T1				4	T	92.9 × 2.5 × 3.55	HK BF			ST	NT	NT	12033-3S910	
							2	92.9 × 2.0 × 4.0	TF ST		FC		CH	PH		
							O	92.9 × 3.0 × 3.8	2F				ST	NT		NT
34091	3FAC	VQ30DE	Cedric		3,000	6	T	93.0 × 1.2 × 3.3	BF BT			ST	NT	NT	12033-47U01	
							2	93.0 × 1.2 × 4.0	TF		FC		CH	PH		
							O	93.0 × 2.5 × 2.85	3F				ST	NT		PH
34130	3F	VQ35				6	T	95.5 × 1.2 × 3.45	BF			ST	CH	FE	12033-4W005	
							2	95.5 × 1.2 × 4.0	TF		FC		PH	PH		
							O	95.5 × 2.5 × 2.5	3F				ST	CH		PH
34196	3F	VQ35DE	MURANO			6	T	95.5 × 1.2 × 3.45	BF			ST	CH	FE	12033-8J100	
							2	95.5 × 1.2 × 4.0	TF		FC		PH	PH		
							O	95.5 × 2.5 × 2.65	3F				ST	CH		PH
34223	3F	VQ35HR	FAIRLADY Z				T	95.5 × 1.2 × 3.1	BF BT			ST	PV	FE	12033-JK20A	
			SKYLINE				2	95.5 × 1.2 × 3.7	TF SP		FC		PH	PH	12033-JK20D	
			FUGA (3498cc)				O	95.5 × 2.0 × 2.45	3F				ST	PV	PH	
34116	2FAC DIESEL	BD30	Cedric		2,953	4	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-54T10	
							2	96.0 × 2.0 × 4.0	TF ST		FC		CH	PH		
							O	96.0 × 4.0 × 3.95	2F				ST	NT		NT
34087	3F	TB42 TB42E	Safari		4,169	6	T	96.0 × 2.0 × 3.35	BF			ST	NT	NT	12033-03J00	
							2	96.0 × 2.0 × 4.2	TF		FC		CH	PH		
							O	96.0 × 4.0 × 3.3	3F				ST	NT		PH
34075	2FAC DIESEL	TD27 AD-2	Caraban,Hormy		2,700	4	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-43G10	
							2	96.0 × 2.0 × 4.0	TF ST		FC		CH	PH	12033-43G11	
							O	96.0 × 4.0 × 3.95	2F				ST	NT	NT	
34096	2FAC DIESEL	TD27-2 AD-2	Dutsun Track		2,700	4	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-6T010	
			Caraban				2	96.0 × 2.0 × 4.0	TF ST		FC		CH	PH		
							O	96.0 × 3.0 × 3.8	2F				ST	NT		NT

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34158	2FAC DIESEL	TD27-3	Terrano,Patrol		2,700	4	T	96.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-OW81A
							2	96.0 × 2.0 × 4.0		TF	ST	FC	CH	PH	
							O	96.0 × 3.0 × 3.9	2F			ST	NT	NT	
34159	2F DIESEL	TD27-4	Terrano,Patrol			4	T	96.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-DB010
							2	96.0 × 2.0 × 4.0		TF		FC	PH	PH	
							O	96.0 × 2.0 × 2.75	2F			ST	NT	NT	
34092	2FAC DIESEL	TD27T AD27T	Datsun Truck Caraban		2,700	4	T	96.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-37N10
							2	96.0 × 2.0 × 4.0		TF	ST	FC	CH	PH	
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34098	2FAC DIESEL	TD42 AD3	Datsun Jeep Safari,Civilian		4,169	6	T	96.0 × 2.5 × 3.55		BF		ST	NT	NT	12033-06J10
							2	96.0 × 2.0 × 4.0		TF	ST	FC	CH	PH	12033-06J11
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34102	2FAC DIESEL	TD42T	Datsun,Jeep		4,169	6	T	96.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-05D01
							2	96.0 × 2.0 × 4.0		TF	ST	FC	CH	PH	
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34160	2FAC DIESEL	TD42T-2	Safari,Civilian			6	T	96.0 × 2.5 × 3.55	HK	BF		ST	NT	NT	12033-DY712
							2	96.0 × 2.0 × 4.0		TF	ST	FC	CH	PH	
							O	96.0 × 3.0 × 3.15	2F			ST	NT	NT	
34164	2FAC DIESEL	ZD30				4	T	96.0 × 2.0 × 3.0		BF		ST	NT	NT	12033-VW211
							2	96.0 × 1.2 × 3.0		TF	BT	FD	CH	PH	
							O	96.0 × 2.0 × 2.75	2F			ST	NT	NT	
34166	2F DIESEL	ZD30T				4	T	96.0 × 2.5 × 3.7	HK	BF		ST	NT	NT	12033-VK610
							2	96.0 × 2.0 × 3.9		TF	BT	FC	PH	PH	
							O	96.0 × 2.0 × 2.75	2F			ST	NT	NT	
34137	2FAC DIESEL	ZD30T ZD30ET BD30T			2,953	4	T	96.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-0W813
							2	96.0 × 2.0 × 4.0		TF	ST	FC	CH	PH	12033-0W814
							O	96.0 × 3.0 × 3.15	2F			ST	NT	NT	12033-2W211 12033-NA010
34609	2FAC DIESEL	ED30	Truck		2,956	4	T	98.0 × 3.0 × 4.2		BF		FD	CH	PH	97011-02139
			DEYC240,DYC240,				2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	12033-J2001
			DYWT40,EYT40				3	98.0 × 2.0 × 4.2		TF	SP	FD	CH	PH	12033-J2002
			HYC240,JVYC240,Y40				O	98.0 × 4.5 × 4.5	2F			FC	CH	PH	12033-J2004
			YC240,YWT40 Bus GHYC240,GYC240, GYHT40,GYHWT40												12033-J2006
34136	2FAC DIESEL	QD32				4	T	99.2 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-1W411
							2	99.2 × 2.0 × 4.1		TF	ST	FC	CH	PH	
							O	99.2 × 3.0 × 3.15	2F			ST	NT	NT	
34118	2FAC DIESEL	QD32NA AD5	Frontier		3,200	4	T	99.2 × 2.5 × 3.75		BF		ST	NT	NT	12033-2S610
			Caraban				2	99.2 × 2.0 × 4.1		TF	ST	FC	CH	PH	
			Datsun Track				O	99.2 × 3.0 × 3.75	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34104	3FAC	TB45				6	T	99.5 × 2.0 × 3.55	BF		ST	NT	NT	12033-VB000	
							2	99.5 × 1.5 × 4.1	TF		FC	CH	PH		
							O	99.5 × 4.0 × 2.95	3F		ST	NT	PH		
34145	3FAC	TB48DE TB480				6	T	99.5 × 2.0 × 3.55	BF		ST	NT	NT	12033-VC200	
		2					99.5 × 1.5 × 4.1	TF		FC	CH	PH	12033-VB000		
		O					99.5 × 4.0 × 3.4	3F		ST	NT	PH			
34044	2FAC	ED33	Truck		3,298	4	T	100.0 × 3.0 × 4.2	BF		FD	CH	PH	12033-J6500	
	DIESEL		BISON HMC341			2	100.0 × 2.0 × 4.2	TF	ST	FC	CH	PH	12033-J6501		
			CIVIRIAN GHMC341		O	100.0 × 4.5 × 4.3	2F		FC	CH	PH	12033-T9000			
			CLIPPER HMC341									12033-Z5004			
			CLIPPER MC341												
34045	2FAC	FD-6	Truck		5,654	6	T	100.0 × 3.0 × 4.2	BF		FD	CH	PH	12040-Z5005/cyl	
	DIESEL	ED-6	CK85,CM80,85,90			2	100.0 × 2.0 × 4.2	TF	ST	FC	CH	PH	12040-Z5028		
		TK80		O	100.0 × 4.5 × 4.3	2F		FC	CH	PH					
		Bus													
R80,RM80															
34610	2FAC	FD-6	Truck		5,654	6	T	100.0 × 3.0 × 4.2	BF		FD	CH	PH	12040-Z5001/cyl	
	DIESEL	ED-6	CK85,CM80,85,90			2	100.0 × 2.0 × 4.2	TF	ST	FC	CH	PH	12040-Z5025		
		TK80		3	100.0 × 2.0 × 4.2	TF		FC	CH	PH	12040-Z5026/cyl				
		Bus		O	100.0 × 4.5 × 4.3	2F		FC	CH	PH	12040-Z5027				
		R80,RM80													
34146	2FAC	FD6T	Truck Condor		5,654	6	T	100.0 × 3.0 × 4.0	HK	BF	ST	CH	FE	12033-Z5502/cyl	
	DIESEL				2	100.0 × 2.0 × 4.2	TF	ST	FC	CH	PH	12040-Z5527			
					3	100.0 × 2.0 × 4.2	TF		FC	CH	PH				
					O	100.0 × 4.5 × 4.26	2F		ST	CH	FE				
34157	2FAC	FD6T-2				6	T	100.0 × 3.0 × 4.2	K	BF	FD	CH	PH	12040-Z5525	
	DIESEL				2	100.0 × 2.0 × 4.2	TF	ST	FC	CH	PH	12040-Z5526			
					3	100.0 × 2.0 × 4.2	TF		FC	CH	PH	12040-Z5501/1CYL			
					O	100.0 × 4.5 × 4.5	2F		ST	CH	FE				
34152	2FAC	FD6T(NEW)	Truck		5,654	6	T	100.0 × 3.0 × 4.0	HK	BF	ST	CH	FE	12033-Z5504/cyl	
	DIESEL				2	100.0 × 2.0 × 4.2	TF	ST	FC	CH	PH	12040-Z5528			
					O	100.0 × 4.5 × 4.26	2F		ST	CH	FE				
34205	2FAC	FD33				4	T	100.0 × 2.0 × 3.9	BF		FD	CH	PH		
	DIESEL				2	100.0 × 2.0 × 4.2	TF	ST	FC	CH	PH				
					O	100.0 × 4.0 × 3.7	2F		ST	NT	NT				
34192	2FAC	ED35	Datsun Truck		3,500	4	T	102.5 × 3.0 × 4.2	BF		FD	CH	PH	12033-56T10	
	DIESEL				2	102.5 × 2.0 × 4.2	TF	ST	FC	CH	PH				
					O	102.5 × 4.0 × 4.25	2F		ST	CH	FE				
34094	2FAC	FD35	Condore		3,465	4	T	102.5 × 2.0 × 3.9	BF		FD	CH	PH	12033-01T10	
	DIESEL				2	102.5 × 2.0 × 4.2	TF	ST	FC	CH	PH				
					O	102.5 × 4.0 × 4.25	2F		ST	CH	FE				
34093	2FAC	FD35T	Condore		3,465	4	T	102.5 × 3.0 × 4.2	HK	BF	FD	CH	PH	12033-01T60	
	DIESEL				2	102.5 × 2.0 × 4.2	TF	ST	FC	CH	PH				
					4,617	O	102.5 × 4.0 × 4.25	2F		ST	CH	FE			

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34193 1cyl/set	2FAC	A500FET				6	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12040-Z5561/cyl
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5603/cyl
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34120	2FAC	FD42	Condore			4	T	108.0 × 3.0 × 3.95		BF		ST	NT	NT	12033-0T011
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34121	2FAC	FD46T				4	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12033-31D03
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	
							O	108.0 × 3.0 × 3.6	2F			ST	NT	NT	
34100	2FAC	FE6	Truck MK210,CM89,CM87		7,000	6	T	108.0 × 3.0 × 3.95		BF		ST	NT	NT	12040-Z5504
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5511
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34153 1cyl/set	2FAC	FE6	Truck MK210,CM89,CM87		7,000	6	T	108.0 × 3.0 × 3.95		BF		ST	NT	NT	12040-Z5504
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5511
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34101	2FAC	FE6T	Truck MK250		7,000	6	T	108.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	12040-Z5505
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5512
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	12040-Z5517
34125 1cyl/set	2FAC	FE6T	Truck MK250		7,000	6	T	108.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	12040-Z5505
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5512
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	12040-Z5517
34126	2FAC	FE6TA	MK250		6,925	6	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12040-Z5519
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5560
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	12040-Z5561 12040-Z5564 12040-Z5603
34165 1cyl/set	2FAC	FE6TA	MK250		6,925	6	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12040-Z5519
	DIESEL						2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5560
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	12040-Z5561 12040-Z5564 12040-Z5603
34201 1cyl/set	2FAC	FE6T-2				6	T	108.0 × 2.5 × 3.35	HK	BF		ST	NT	NT	12040-Z5608
	DIESEL						2	108.0 × 2.0 × 3.25		TF	BT	FD	CH	PH	
							O	108.0 × 3.0 × 3.6	2F			ST	NT	NT	
34500	2FAC	ND-6	Bus CK10,PRX102		6,842	6	T	110.0 × 4.0 × 4.4		BF		FD	CH	PH	12040-90127
	DIESEL						2	110.0 × 3.0 × 4.4		TF		FC	CH	PH	12040-95004
							O	110.0 × 5.0 × 4.8	2F			FC	CH	PH	12040-95006
34115	2FAC	NE6	Truck		7,000	6	T	110.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	12040-95012
	DIESEL						2	110.0 × 2.5 × 3.9		TF	ST	FC	CH	PH	12040-95013
							O	110.0 × 4.0 × 4.35	2F			ST	NT	NT	12040-95014 12040-95029

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34009 1cyl/set	2FT DIESEL	UD-3	Truck, Bus		3,706	3	T	110.0 × 3.0 × 4.1	TF			FD	PH	PH	12040-90008
			DU680, DUG680				2	110.0 × 3.0 × 4.1	TF			FD	PH	PH	
			TUG680, UFG681				3	110.0 × 3.0 × 4.1	TF			FC	PH	PH	
			JVR690, JNVR690				4	110.0 × 3.0 × 4.1	TF			FC	PH	PH	
			NVR690				O	110.0 × 4.8 × 4.8	2F			FC	PH	PH	
			U680, 681, 690, UG680				O	110.0 × 4.8 × 4.8	2F			FC	PH	PH	
		UD-4	681, UR690												
			4R82, 92, 104		4,941	4									
			4RA82, 94, 104, 110												
			R80, RX102, T80, TC80												
		UD-5	81, TE81												
			5R94, 104, 110		6,177	5									
			5RA94, 104, 110												
		UD-6	5TWDC10, 5TWDC10L												
			6R110, 6RA110, 6TC80		7,413	6									
			6TW1Z, 6TW12												
		UD-V8 UD-V12	6TWC13, 6TWDC14												
			U8RA110		9,882	8									
			WD38		14,825	12									
34171 1cyl/set	2FAC DIESEL	NF				4	T	120.0 × 3.0 × 4.35	HK BF			ST	NT	NT	12040-95501
							2	120.0 × 2.5 × 4.8	TF ST			FC	CH	PH	
							O	120.0 × 4.0 × 4.4	2F			ST	NT	NT	
34183 1cyl/set	2FAC DIESEL	MD92TCI	Big Thumb		9,203	6	T	125.0 × 2.5 × 4.2	HK BF			ST	NT	NT	12040-Z6002
							2	125.0 × 2.0 × 4.1	TF			ST	NT	NT	12040-Z6004
							O	125.0 × 3.0 × 3.1	2F			ST	NT	NT	
34501	2FAC DIESEL	PD-6	Truck, Bus		10,308	6	T	125.0 × 5.0 × 5.2	BF			FC	CH	PH	12040-90026
			CK20, TK20, CD40				2	125.0 × 3.5 × 5.2	TF			FC	CH	PH	12040-90029
			CV40, PT81, CW40				O	125.0 × 5.0 × 5.4	2F			FD	CH	PH	12040-96004
			U20, CB20, TFA21												12040-96026
															12040-96127
34154 1cyl/set	2FAC DIESEL	PD-6	Truck, Bus		10,308	6	T	125.0 × 5.0 × 5.2	BF			FC	CH	PH	12040-90026
			CK20, TK20, CD40				2	125.0 × 3.5 × 5.2	TF			FC	CH	PH	12040-90029
			CV40, PT81, CW40				O	125.0 × 5.0 × 5.4	2F			FD	CH	PH	12040-96004
			U20, CB20, TFA21												12040-96026
															12040-96127
34048	2FAC DIESEL	PD6T	Truck		10,308	6	T	125.0 × 4.0 × 5.2	K BF			FD	CH	PH	12040-90028
			CW41				2	125.0 × 3.5 × 5.2	TF			FC	CH	PH	12040-96005/cyl
							O	125.0 × 5.0 × 5.0	2F			FD	CH	PH	12040-96125
															12040-96129

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34502	2FAC	DIESEL	Truck,Bus		11,670	6	T	133.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90025
			CB30,RB30,CK30				2	133.0 × 3.5 × 5.4		TF		FC	CH	PH	12040-96028
			CK31,CV31,CD32				O	133.0 × 6.0 × 5.7	2F			FD	CH	PH	12040-96128
			V31,UA30,UA31												12040-96531
34155 1cyl/set	2FAC	DIESEL	Truck,Bus		11,670	6	T	133.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90025
			CB30,RB30,CK30				2	133.0 × 3.5 × 5.4		TF		FC	CH	PH	12040-96028
			CK31,CV31,CD32				O	133.0 × 6.0 × 5.7	2F			FD	CH	PH	12040-96128
			V31,UA30,UA31												12040-96531
34049	2FAC	DIESEL	Truck		11,670	6	T	133.0 × 4.0 × 5.3	HK	BF		FD	CH	PH	12040-96225/cyl
			CD45				2	133.0 × 3.5 × 5.5		TF ST		FC	CH	PH	12040-96228
							O	133.0 × 6.0 × 5.9	2F			FC	CH	PH	12040-96504
															12040-96509
															12040-96510
34088 1cyl/set	2FAC	DIESEL	CK20,TK20,CD40,CV40		12,000	6	T	133.0 × 3.0 × 4.95	HK	BF		ST	NT	NT	12040-96517
			CD45				2	133.0 × 2.5 × 5.4		TF ST		FC	CH	PH	
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	
34161 1cyl/set	2FAC	DIESEL	Truck		11,670	6	T	133.0 × 4.0 × 5.3	HK	BF		FD	CH	PH	12040-96228
			CD45				2	133.0 × 3.5 × 5.5		TF ST		FC	CH	PH	12040-96504
							O	133.0 × 6.0 × 5.9	2F			FC	CH	PH	12040-96509
															12040-96510
															12040-96512
34106	2FAC	DIESEL	Truck		12,000	6	T	133.0 × 2.5 × 4.2	HK	BF		ST	NT	NT	12040-96564
			Bus				2	133.0 × 2.5 × 5.4		TF ST		FC	CH	PH	12040-96566
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	12040-96570
34122 1cyl/set	2FAC	DIESEL	Truck		12,000	6	T	133.0 × 2.5 × 4.2	HK	BF		ST	NT	NT	12040-96564
			Bus				2	133.0 × 2.5 × 5.4		TF ST		FC	CH	PH	12040-96566
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	12040-96570
34503	2FAC	DIESEL	Diesel Truck,Bus		14,313	8	T	135.0 × 4.0 × 5.1		BF		FD	CH	PH	12040-97007/cyl
			CV50,CW51,CW52				2	135.0 × 3.0 × 5.5		TF ST		FC	CH	PH	12040-97008/cyl
			CD52,WD18,WD151				O	135.0 × 6.0 × 5.4	2F			FC	CH	PH	12040-90325
			TWA52,RA50												12040-97025
			RA51												12040-97026
															12040-97028
															12040-97126
															12040-97226

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34151 1cyl/set	2FAC DIESEL	RD-8	Diesel Truck,Bus CV50,CW51,CW52 CD52,WD18,WD151 TWA52,RA50 RA51		14,313	8	T	135.0 × 4.0 × 5.1	BF			FD	CH	PH	12040-97007/cyl
							2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	12040-97008/cyl
							O	135.0 × 6.0 × 5.4	2F			FC	CH	PH	12040-90325
															12040-97025
															12040-97026
															12040-97028
															12040-97126 12040-97226
34504	2FAC DIESEL	RD-10	Truck,Bus CK60,CW60,CW61 WD23,WG30		17,892	10	T	135.0 × 4.0 × 5.1	BF			FD	CH	PH	12040-90229
							2	135.0 × 3.0 × 5.5	TF			FC	CH	PH	12040-97127
							O	135.0 × 6.0 × 5.7	2F			FC	CH	PH	12040-97227
34107	2FAC DIESEL	RE8 A400 RE	Truck CW53,CD53,CW510		15,000	8	T	135.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97079
							2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	
							O	135.0 × 5.0 × 5.0	2F			ST	NT	NT	
34123 1cyl/set	2FAC DIESEL	RE8-2	Truck CW53,CD53,CW510		15,000	8	T	135.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97079
							2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	
							O	135.0 × 5.0 × 5.0	2F			ST	NT	NT	
34184 1cyl/set	2FAC DIESEL	GE13TD	Big Thumb		13,074	6	T	136.0 × 2.5 × 3.7	HK	BF		ST	NT	NT	12040-00Z07
							2	136.0 × 2.0 × 3.8	TF	BT		FD	CH	PH	
							O	136.0 × 3.0 × 3.65	2F			ST	NT	NT	
34174 1cyl/set	2FAC DIESEL	A790 RF8TI			16,991	8	T	138.0 × 2.5 × 4.1	HK	BF		ST	NT	NT	12040-ND000
							2	138.0 × 2.0 × 4.1	TF			ST	NT	NT	
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
34073	2FAC DIESEL	RF8	CD520		16,991	8	T	138.0 × 2.5 × 4.95	BF			ST	NT	NT	12040-97072
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	12040-97104
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
34124 1cyl/set	2FAC DIESEL	RF8-2	CD520		16,991	8	T	138.0 × 2.5 × 4.95	BF			ST	NT	NT	12040-97072
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	12040-97104
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
34108	2FAC DIESEL	RF8T RFT			16,991	8	T	138.0 × 3.0 × 4.95	HK	BF		ST	NT	NT	12040-97101
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
34204 1cyl/set	2FAC DIESEL	RF8T-2			16,991	8	T	138.0 × 3.0 × 4.95	HK	BF		ST	NT	NT	12040-97101
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
34175 1cyl/set	2FAC DIESEL	A790 RG			17,990	8	T	142.0 × 2.5 × 4.1	BF			ST	NT	NT	12040-ND001
							2	142.0 × 2.0 × 4.1	TF			ST	NT	NT	
							O	142.0 × 4.0 × 4.75	2F			ST	NT	NT	
34109	2FAC DIESEL	RG8	Truck CW530		17,990	8	T	142.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97103
							2	142.0 × 2.5 × 5.8	TF	ST		FC	CH	PH	
							O	142.0 × 4.0 × 4.75	2F			ST	NT	NT	
34156 1cyl/set	2FAC DIESEL	RG8	Truck CW530		17,990	8	T	142.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97103
							2	142.0 × 2.5 × 5.8	TF	ST		FC	CH	PH	
							O	142.0 × 4.0 × 4.75	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34176 1cyl/set	2FAC DIESEL	A790 RH			21,205	8/10	T	150.0 × 2.5 × 4.1	BF			ST	NT	NT	12040-ND003
							2	150.0 × 2.0 × 4.1	TF				NT	NT	
							O	150.0 × 4.0 × 4.75	2F				NT	NT	
34110 1cyl/set	2FAC DIESEL	RH8,10	Tractor		21,205	8/10	T	150.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97105
							2	150.0 × 2.5 × 5.6	TF ST				FD	CH PH	12040-97106
							O	150.0 × 4.0 × 4.75	2F				ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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SUBARU

35223	3F	EN07				4	T	56.0 × 1.2 × 2.3	BF BT	ST	CH FE	12033-KA790
							2	56.0 × 1.2 × 2.5	TF BT	FC	PH PH	
							O	56.0 × 2.0 × 2.25	3F	ST	CH PH	
35224	3F	EN				4	T	56.0 × 1.2 × 2.3	BF BT	ST	CH FE	12033-KA421
							2	56.0 × 1.2 × 2.5	TF BT	FC	PH PH	
							O	56.0 × 2.5 × 2.3	3F	ST	CH PH	
35514	3F	EK23	Subaru Rex 550		544	2	T	76.0 × 1.5 × 3.4	TF	FD	CH PH	48003-5400
			K24,K44				2	76.0 × 1.5 × 3.4	TF	FC	PH PH	
			Subaru Sanba 550				O	76.0 × 2.8 × 2.95	3F	ST	CH FE	
			Truck, Van K77,K87									
35520	3FAC	E42	Subaru Rex		700	2	T	78.0 × 1.2 × 3.15	BF	FD	CH PH	48003-5600
							2	78.0 × 1.5 × 3.45	TF	FC	CH PH	48003-5610
							O	78.0 × 2.8 × 3.45	3F	ST	CH PH	
35521	3F	EF10	Subaru Domingo		997	3	T	78.0 × 1.2 × 3.1	BF	ST	CH FE	48003-5700
							2	78.0 × 1.5 × 3.4	TF	FC	PH PH	
							O	78.0 × 2.8 × 3.4	3F	ST	CH PH	
35516	3F	EA65	Subaru 1300		1,298	4	T	83.0 × 2.0 × 3.1	BF	ST	NT NT	48003-7000
			A65,AB1,AF1,AM1				2	83.0 × 2.0 × 3.4	TF	FC	PH PH	
							O	83.0 × 4.0 × 3.6	3F	ST	CH PH	
35522	3F	EA65-2	Subaru 1300		1,298	4	T	83.0 × 1.2 × 3.3	BF	ST	CH FE	48003-7101
			A65,AM1				2	83.0 × 1.5 × 3.6	TF	FC	PH PH	
							O	83.0 × 4.0 × 3.45	3F	ST	CH PH	
35509	3F	EA63	Subaru 1400		1,361	4	T	85.0 × 2.0 × 3.1	BF	ST	NT NT	38003-0110
			B-A22				2	85.0 × 2.0 × 3.7	TF	FC	PH PH	
			A22,A32,A62				O	85.0 × 4.0 × 3.2	3F	ST	CH PH	
35510	3F	EA71	Subaru Leone 1600		1,595	4	T	92.0 × 2.0 × 4.1	TF	FC	CH PH	38003-4300
		EA81	Subaru Leone 1800		1,781		2	92.0 × 2.0 × 4.1	TF	FC	PH PH	38003-4320
			AB2,AB3,AM2,3,A33,34,67				O	92.0 × 4.0 × 3.65	3F	ST	CH FE	
			AF2,5,B-A26,27,H-A67,AW2									
35517	3F	EA81-2	Subaru Leone 1600		1,595	4	T	92.0 × 1.2 × 3.5	BF	ST	CH FE	48003-7100
			Sedan				2	92.0 × 1.5 × 3.9	TF	FC	PH PH	
		EA71-2(NEW)	Subaru Leone 1600 Van		1,781		O	92.0 × 4.0 × 4.05	3F	ST	CH FE	
35226	3F	EJ20	LEGACY		1,994	4	T	92.0 × 1.2 × 3.25	BF BT	ST	CH FE	12033-AB820
							2	92.0 × 1.2 × 3.8	TF SP	FC	PH PH	
							O	92.0 × 2.0 × 2.6	3F	ST	CH PH	
35228	3F	EJ20-2	LEGACY		1,994	4	T	92.0 × 1.2 × 3.25	BF BT	ST	CH FE	12033-AB070
			FORESTER				2	92.0 × 1.2 × 3.8	TF SP	FC	PH PH	12033-AB100
							O	92.0 × 2.5 × 2.75	3F	ST	CH PH	12033-AB160
												12033-AB220

84

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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SUZUKI

35574	ACX	L50			360	2	T	61.0 × 2.0 × 2.2	HK BF	FD	CH PH	12140-67810/cyl
							2	61.0 × 2.0 × 2.2	BF	FD	CH PH	12140-67811/cyl
							3	61.0 × 2.0 × 2.2	BF	FD	CH PH	
35569	AC	T5A	Fronte FXST20,20,30,AL10		539	3	T	61.0 × 1.2 × 2.6	HK BF	ST	CH FE	12140-67011/cyl
		ST20	Celvo,Jimny 4WD				2	61.0 × 2.0 × 2.5	HK BF	FC	CH PH	12140-63871/cyl
		T5B	Carry Truck, Van									12140-68811/cyl
		LJ50	SH10,SJ10,LJ50,SS20,SS30									
35579	ACX	Y30				3	T	61.0 × 1.2 × 2.6	HK BF	ST	CH FE	12140-72811/cyl
							2	61.0 × 2.0 × 2.5	HK BF	FC	CH PH	
35572	3F	F5A	Fronte FS,SS40		543	3	T	62.0 × 1.5 × 2.55	BF	ST	CH FE	12140-73000/cyl
							2	62.0 × 1.5 × 2.8	TF	FC	PH PH	12140-73010/cyl
							O	62.0 × 2.8 × 2.85	3F	ST	CH PH	
35573	3F	F8A	Jimny8 4WD		797	4	T	62.0 × 1.5 × 2.55	BF	ST	CH FE	12140-73000/cyl
			Carry Truck, Van				2	62.0 × 1.5 × 2.8	TF	FC	PH PH	12140-73010/cyl
			SJ20,ST90,LJ80				O	62.0 × 2.8 × 2.85	3F	ST	CH PH	
			LJ81,ST30,Fronte,Alut									
35582	3F	F6A	Celvo		660	3	T	65.0 × 1.2 × 2.3	BF BT	ST	CH FE	12140-51E50/cyl
			Alut Van				2	65.0 × 1.5 × 2.7	TF SP	FC	PH PH	
							O	65.0 × 2.5 × 2.5	3F	ST	CH PH	
35621	3F	F6A-N			660	3	T	65.0 × 1.0 × 2.25	BF	ST	CH FE	12140-51F10
							2	65.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	65.0 × 2.0 × 2.5	3F	ST	NT PH	
35620	3F	F6A-T			660	3	T	65.0 × 1.2 × 2.3	BF BT	ST	CH FE	12140-50E50
							2	65.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	65.0 × 2.5 × 2.55	3F	ST	CH PH	
35619	3F	Y7AT7			660	3	T	65.0 × 1.2 × 2.3	BF BT	ST	CH FE	12140-73D00
							2	65.0 × 1.5 × 2.7	TF	FC	PH PH	
							O	65.0 × 2.5 × 2.3	3F	ST	NT PH	
35576	3F	F10A	Jimny Y80,84		970	4	T	65.5 × 1.5 × 2.6	BF	ST	CH FE	12140-75110/cyl
			SJ410,ST100				2	65.5 × 1.5 × 2.7	TF	FC	PH PH	12140-75111/cyl
							O	65.5 × 2.8 × 3.0	3F	ST	CH PH	
35618	3F	K6A			660	3	T	68.0 × 1.0 × 2.6	BF	ST	CH FE	12140-73601
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.0 × 2.45	3F	ST	CH PH	
35622	3F	K6A K10A				3	T	68.0 × 1.0 × 2.6	BF	ST	CH FE	12140-73G01
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.0 × 2.45	3F	ST	CH PH	
35630	3F	K6A	Wagon R			4	T	68.0 × 1.0 × 2.6	BF BT	ST	CH FE	
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.0 × 2.45	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35570	AC	L60			550	2	T	68.0 × 1.2 × 2.6	HK	SF		ST	CH	PH	12140-67820/cyl
							2	68.0 × 2.0 × 2.5	HK	BF		FC	CH	PH	
35586	3F	SS80	Alto800		797	3	T	68.5 × 1.5 × 2.6		BF		ST	CH	FE	12140-78411/cyl
			Fronte800				2	68.5 × 1.5 × 2.8		TF		FC	PH	PH	
			Y64,65,ST308				O	68.5 × 2.8 × 3.0	3F			ST	CH	PH	
			Maruti800												
35636 1cyl/set	3F	SS80	Alto800		797	3	T	68.5 × 1.5 × 2.6		BF		ST	CH	FE	12140-78410
			Fronte800				2	68.5 × 1.5 × 2.8		TF		FC	PH	PH	
			Y64,65,ST308				O	68.5 × 2.8 × 3.0	3F			ST	CH	PH	
			Maruti800												
35626	3F	K12A	Swift			4	T	71.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12140-75F30-000
							2	71.0 × 1.2 × 2.8		TF	SP	FC	PH	PH	
							O	71.0 × 2.0 × 2.5	3F			ST	NT	NT	
35628	3FAC	G10				4	T	72.0 × 1.2 × 2.75		BF		ST	NT	NT	12140-72F00
							2	72.0 × 1.5 × 3.1		TF		ST	FE	FE	
							O	72.0 × 2.8 × 2.8	3F			ST	NT	PH	
35639	3F	K10B	Cultus 1.0			3	T	73.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12140-79P50-000
			Wagon R New				2	73.0 × 1.2 × 2.3		TF	SP	ST	FE	FE	12141-58M50-000
							O	73.0 × 2.0 × 2.25	3F			ST	NT	PH	
35641	3F	K14B	Ciaz		1,372	4	T	73.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12140M68P10-000
							2	73.0 × 1.2 × 2.5		TF	SP	FC	PH	PH	
							O	73.0 × 2.0 × 2.0	3F			ST	NT	NT	
35638	3F	YL8	Ertiga 1.4			4	T	73.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12141-58M50-000
							2	73.0 × 1.2 × 2.3		TF	SP	ST	FE	FE	
							O	73.0 × 2.0 × 2.25	3F			ST	NT	PH	
35580 1cyl/set	3F	G10	Cultus		993	3	T	74.0 × 1.2 × 2.8		BF	BT	ST	CH	FE	12140-82050/cyl
		G13A					2	74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH	12140-82051/cyl
							O	74.0 × 2.8 × 2.85	3F			ST	CH	PH	
35614	3F	G10				4	T	74.0 × 1.2 × 2.7		BF	BT	ST	NT	NT	12140-82X50
		G13A					2	74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH	
							O	74.0 × 2.8 × 2.85	3F			ST	CH	PH	
35584	3F	G10	Cultus(3cyls/set)		993	3	T	74.0 × 1.2 × 2.8		BF	BT	ST	CH	FE	12140-82050/cyl
							2	74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH	
							O	74.0 × 2.8 × 2.85	3F			ST	CH	PH	
35587	3F	G13A	Cultus(4cyls/set)Y2A, SJ413		1,290	4	T	74.0 × 1.2 × 2.8		BF	BT	ST	CH	FE	12140-82051/cyl
							2	74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH	
							O	74.0 × 2.8 × 2.85	3F			ST	CH	PH	
35598	3F	SR413	Swift(3cyls/set)			3	T	74.0 × 1.2 × 2.7		BF	BT	ST	NT	NT	12140-63E50
							2	74.0 × 1.2 × 3.1		TF	SP	FC	PH	PH	
							O	74.0 × 2.5 × 2.8	3F			ST	CH	PH	
35616	3F	SR413	Swift(4cyls/set)			4	T	74.0 × 1.2 × 2.7		BF	BT	ST	NT	NT	12140-63E50
							2	74.0 × 1.2 × 3.1		TF	SP	FC	PH	PH	
							O	74.0 × 2.5 × 2.8	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35592	3F	E12 G16U				4	T	75.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-61G50/cyl
							2	75.0 × 1.2 × 3.2	TF	SP		FC	PH	PH	
							O	75.0 × 2.5 × 2.7	3F			ST	NT	PH	
35615	3F	G15A				4	T	75.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-61J00
							2	75.0 × 1.2 × 3.2	TF	SP		FC	PH	PH	
							O	75.0 × 2.5 × 2.4	3F			ST	NT	PH	
35583	3F	G16A	Escudo		1,600	4	T	75.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-60A50/cyl
							2	75.0 × 1.5 × 3.2	TF	SP		FC	PH	PH	
							O	75.0 × 2.8 × 2.95	3F			ST	NT	PH	
35625	3F	69G M13A	Wagon R, Jimny			4	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-69G02
							2	78.0 × 1.5 × 3.1	TF	SP		FC	PH	PH	
							O	78.0 × 2.8 × 2.65	3F			ST	NT	PH	
35610	3F	FAO	Escudo		2,000	4	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-85FA0
							2	78.0 × 1.5 × 3.3	TF	SP		FC	CH	PH	
							O	78.0 × 2.5 × 2.75	3F			ST	NT	PH	
35633	3F	H20A	Escudo		2,000	6	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	
							2	78.0 × 1.5 × 3.3	TF	SP		FC	CH	PH	
							O	78.0 × 2.5 × 2.75	3F			ST	NT	PH	
35611	3F	LOW	SX-4			4	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-54GA0
							2	78.0 × 1.2 × 3.0	TF	SP		FC	PH	PH	12140-54GB0
							O	78.0 × 2.5 × 2.3	3F			ST	NT	PH	
35634	3FAC	H25A				6	T	84.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-86FA0
							2	84.0 × 1.5 × 3.5	TF	SP		FC	CH	PH	
							O	84.0 × 2.5 × 2.75	3F			ST	NT	PH	
35617	3FAC	J20A	GRAN VITARA			4	T	84.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-77E00
							2	84.0 × 1.5 × 3.5	TF	SP		FC	CH	PH	
							O	84.0 × 2.5 × 2.75	3F			ST	NT	PH	
35642	3F	J20A					T	84.0 × 1.2 × 2.5	BF	BT		ST	NT	NT	12140-65J50
							2	84.0 × 1.2 × 3.1	TF	SP		ST	FE	FE	
							O	84.0 × 2.5 × 2.5	3F			ST	NT	PH	
35635	3F	J20A-2	SX4/ESCUDE 06-			4	T	84.0 × 1.2 × 2.5	BF	BT		ST	NT	NT	12140-65J00
							2	84.0 × 1.2 × 3.1	TF	SP		ST	FE	FE	
							O	84.0 × 2.5 × 2.5	3F			ST	CH	PH	
35627	3F	H27	Escudo			6	T	88.0 × 1.2 × 3.3	BF	BT		ST	NT	NT	12140-52D00
							2	88.0 × 1.5 × 3.3	TF	SP		FC	PH	PH	
							O	88.0 × 2.8 × 2.65	3F			ST	NT	NT	
35637	3F	A6B42	KIZASHI, ESCUDE			4	T	92.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	12140-78K00
							2	92.0 × 1.0 × 3.1	TF	SP		ST	FE	FE	
							O	92.0 × 2.0 × 2.5	3F			ST	NT	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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TOYOTA

35991	3F	1SZ-FE	Vitz	1,000	4	T	69.0 × 1.2 × 2.3	BF	ST	NT	NT	13011-23040
						2	69.0 × 1.2 × 2.7	TF SP	FC	PH	PH	13011-23041
						O	69.0 × 2.0 × 2.25	3F	ST	NT	NT	13011-23051
35878	3F	1E 1E-L	Starlet FWD	1,000	4	T	70.5 × 1.5 × 2.75	BF BT	ST	NT	NT	13011-10070
						2	70.5 × 1.5 × 3.0	TF	FC	PH	PH	13011-10080
						O	70.5 × 3.0 × 2.85	3F	ST	NT	PH	13011-10081
35823	3F	2K	Publica 100	993	4	T	72.0 × 2.0 × 3.4	TF	FC	CH	PH	13011-12010
			PK30,36,36V,40,45,95			2	72.0 × 2.0 × 3.4	TF	FC	PH	PH	13011-12030
			Starlet 1000			O	72.0 × 4.0 × 3.25	3F	ST	CH	PH	13011-12031
36019	3F	2SZ-FE	Vitz, Ractis, BELTA	1,296	4	T	72.0 × 1.2 × 2.3	BF	ST	NT	NT	13011-23060
						2	72.0 × 1.2 × 2.6	TF SP	FC	PH	PH	
						O	72.0 × 2.0 × 2.25	3F	ST	NT	NT	
36032	3F	3NR	Etios Liva	1,197	4	T	72.5 × 1.0 × 2.5	BF BT	ST	CH	FE	04130-47010
						2	72.5 × 1.0 × 2.3	TF SP	ST	FE	FE	
						O	72.5 × 2.0 × 2.45	3F	ST	CH	PH	
36059	3F	1NR	Vios	1,329	4	T	72.5 × 1.2 × 2.5	BF	ST	PV	NT	13011-0Y030
						2	72.5 × 1.0 × 2.3	TF SP	ST	FE	FE	
						O	72.5 × 2.0 × 2.25	3F	ST	NT	PH	
36068	3F	1NR-FE		1,329	4	T	72.5 × 1.0 × 2.3	BF BT	ST	NT	NT	13011-47031
						2	72.5 × 1.0 × 2.3	TF SP	ST	FE	FE	
						O	72.5 × 1.5 × 1.95	3F	ST	CH	PH	
36006	2FAC	1ND	Pro Box		4	T	73.0 × 1.5 × 2.55	BF	ST	NT	NT	13011-33041
						2	73.0 × 1.5 × 2.6	TF	FC	CH	PH	
						O	73.0 × 3.0 × 3.4	2F	ST	NT	NT	
35879	3F	2E-U 2E-C	Corolla 1300EE80	1,295	4	T	73.0 × 1.5 × 2.7	BF	ST	CH	FE	13011-11040
			Corona 1300			2	73.0 × 1.5 × 3.1	TF SP	FC	PH	PH	13011-11041
			Starlet 1300FWD			O	73.0 × 3.0 × 2.55	3F	ST	CH	PH	13011-11060
												13011-11061
35919	3F	2E-2		1,295	4	T	73.0 × 1.5 × 2.7	BF BT	ST	NT	FE	13011-11064
						2	73.0 × 1.5 × 3.1	TF SP	FC	PH	PH	
						O	73.0 × 3.0 × 2.55	3F	ST	NT	PH	
35883	3F	3E	Corolla	1,300	4	T	73.0 × 1.5 × 2.7	BF	ST	CH	FE	13011-11080
			R-EE106V			2	73.0 × 1.5 × 3.1	TF SP	FC	PH	PH	13011-11090
						O	73.0 × 3.0 × 2.55	3F	ST	CH	PH	
35954	3F	4E,5E	Corolla	1,300	4	T	74.0 × 1.2 × 2.8	BF	ST	CH	FE	13011-11122
			Starlet			2	74.0 × 1.2 × 3.1	TF SP	FC	PH	PH	13011-11140
			Vios			O	74.0 × 3.0 × 2.55	3F	ST	CH	PH	13011-11160
35884	3F	1N-T 1N	Corolla,Tercel	1,453	4	T	74.0 × 1.5 × 2.75	HK BF BB	ST	NT	NT	13011-55010
			Starlet,Corsa			2	74.0 × 1.5 × 3.3	TF	FC	CH	PH	13011-55011
						O	74.0 × 3.0 × 2.8	3F	ST	NT	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35815	3F	3K K	Publica 1000,KE10		1,077	4	T	75.0 × 2.0 × 3.6	TF			FC	CH	PH	13011-22011
			Starlet 1200		1,166		2	75.0 × 2.0 × 3.6	TF			FC	PH	PH	13011-24010
			Sprinter 1200				O	75.0 × 4.0 × 3.2	3F			ST	CH	PH	13011-24011
			Corolla 1200												13011-24012
			DAIHATSU												13011-24020
			Charmant 1200												13011-24030
			DAIHATSU Charmant 1300												
35863	3F	4K 4K-V(EC)	Corolla		1,290	4	T	75.0 × 1.5 × 3.1	BF			ST	CH	FE	13011-13010
			Sprinter				2	75.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-13060
			Starlet				O	75.0 × 4.0 × 3.05	3F			ST	NT	NT	
35896	3F	4K-C	Corolla		1,290	4	T	75.0 × 2.0 × 2.95	BF			ST	NT	NT	13011-13030
			Sprinter				2	75.0 × 2.0 × 3.6	TF			FC	PH	PH	
			Starlet				O	75.0 × 4.0 × 3.2	3F			ST	CH	PH	
35816	3F	M 2M	Crown 2000		1,988	6	T	75.0 × 2.0 × 3.3	TF			FC	CH	PH	13011-41015
			MS41,46,50,52,56,60				2	75.0 × 2.0 × 3.3	TF			FC	PH	PH	13011-41040
			70,Corona Mark II U2000				O	75.0 × 4.0 × 3.2	3F			ST	CH	PH	
			Celica XX 2000												
35858	3F	1G 1G-E 1G-G 1G-G2	Chaser		1,988	6	T	75.0 × 1.5 × 3.1	BF			ST	CH	FE	13011-70010
			Cresta 2000				2	75.0 × 1.5 × 3.4	TF			FC	PH	PH	
			Mark II 200,Crown				O	75.0 × 4.0 × 3.05	3F			ST	NT	NT	
			Soarer 2000GX50,51												
			Celica												
36003	3F	1G-E	Chaser		1,988	6	T	75.0 × 1.5 × 2.9	BF			ST	NT	NT	13011-70030
			Cresta 2000				2	75.0 × 1.5 × 3.4	TF			FC	PH	PH	
			Mark II 200,Crown				O	75.0 × 4.0 × 3.2	3F			ST	CH	PH	
			Soarer 2000GX50,51												
			Celica												
36035	3F	1G-FE	Crown		1,998	6	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-70110
			Mark II				2	75.0 × 1.2 × 2.8	TF	SP		FC	PH	PH	
			Chaser				O	75.0 × 3.0 × 2.55	3F			ST	CH	PH	
			Cresta												
35981	3FAC	1GX 1G-GE	Crown		2,000	6	T	75.0 × 1.2 × 3.3	BF			ST	NT	NT	13011-70051
			Mark II				2	75.0 × 1.5 × 3.3	TF	SP		FC	CH	PH	
			Cresta				O	75.0 × 4.0 × 2.9	3F			ST	NT	PH	
36046	3F	1NZ-FE-2				4	T	75.0 × 1.0 × 2.3	BF	BT		ST	NT	NT	13011-21091
							2	75.0 × 1.2 × 2.8	TF	SP		FC	PH	PH	
							O	75.0 × 2.0 × 2.5	3F			ST	NT	NT	
35973	2F	1NZ-FXE	Prius		1,496	4	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-21030
			Funcargo				2	75.0 × 1.2 × 2.8	TF	SP		FC	PH	PH	13011-21070
			Pro box				O	75.0 × 2.0 × 2.75	2F			ST	NT	NT	
36057	3F	1NZ-FXE-2	Aqua		1,500	4	T	75.0 × 1.0 × 2.3	BF			ST	NT	NT	13011-21111
							2	75.0 × 1.0 × 2.3	TF			ST	FE	FE	
							O	75.0 × 2.0 × 2.5	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35974	3F	2NZ-FE	Vitz Funcargo		1,298	4	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-21050
							2	75.0 × 1.2 × 2.8	TF SP			FC	PH	PH	13011-21041
							O	75.0 × 2.0 × 2.5	3F			ST	NT	NT	
35975	3FAC	2NZ-FE-2	Vitz, Yaris Funcargo		1,298	4	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-21060
							2	75.0 × 1.2 × 2.5	TF SP			ST	NT	NT	
							O	75.0 × 3.0 × 2.5	3F			ST	NT	PH	
35857	3F	2A	Tercel 1300 Corsa 1300AL11		1,295	4	T	76.0 × 2.0 × 3.7	BF			FC	CH	CH	13011-14010
							2	76.0 × 2.0 × 3.6	TF			FC	PH	PH	13011-14020
							O	76.0 × 4.0 × 3.15	3F			ST	CH	PH	13011-14021
35822	3F	3P 4P	Corona Van1350,PT47V		1,345	4	T	76.6 × 2.0 × 3.3	TF			FC	CH	PH	13011-23010
			VF				2	76.6 × 2.0 × 3.3	TF			FC	PH	PH	13011-23030
			Toyo-Ace PK32,32B				O	76.6 × 4.0 × 3.65	3F			ST	CH	PH	
			Hi-Ace PH10,10B,10D,10P 10SV,10V												
35854	3F	1A 3A	Corolla 1500		1,452	4	T	77.5 × 1.5 × 3.3	BF			FD	CH	PH	13011-15010
			Corona 1500				2	77.5 × 1.5 × 3.4	TF			FC	PH	PH	13011-15011
			Sprinter 1500AE70				O	77.5 × 2.8 × 2.75	3F			ST	CH	PH	13011-15020
			Tercel 1500 Corsa 1500AL12												13011-15021 13011-15031
35811	3F	2R	Corona PT56,RT40,46V,50		1,490	4	T	78.0 × 2.0 × 3.7	TF			FC	CH	PH	13011-31010
			Hi-Lux ARN10,10D				2	78.0 × 2.5 × 3.6	TF SP			FC	PH	PH	13011-31030
			Toyo-Ace PK41,41P,41V				O	78.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-31040
			Stout PK43,47,47P,47V Bus PH15B												
35894	3F	5A	Corolla, Sprinter		1,498	4	T	78.7 × 1.5 × 2.8	BF			ST	CH	PH	13011-15050
							2	78.7 × 1.5 × 3.4	TF			FC	PH	PH	
							O	78.7 × 3.0 × 2.8	3F			ST	CH	PH	
35920	3F	5A-F	Corolla		1,500	4	T	78.7 × 1.2 × 3.1	BF			ST	CH	PH	13011-15120
							2	78.7 × 1.5 × 3.4	TF			FC	PH	PH	13011-15100
							O	78.7 × 3.0 × 2.8	3F			ST	CH	PH	
35939	3F	8A	New Charade			4	T	78.7 × 1.2 × 2.7	BF			ST	NT	NT	13011-15130
							2	78.7 × 1.5 × 3.0	TF			FC	PH	PH	
							O	78.7 × 3.0 × 2.65	3F			ST	NT	NT	
35950	3F	1,3,4ZZ ZZ-FE FZZ-FE	Vista Welcab,MR-S		1,794	4	T	79.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-22030
			Corolla				2	79.0 × 1.2 × 3.2	TF SP			FC	PH	PH	13011-22040
							O	79.0 × 3.0 × 2.5	3F			ST	NT	NT	13011-22100
															13011-22111
															13011-22200
															13011-22220
															13011-22221 13011-22230 13011-22090

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
36021	3F	TZZ-FE				4	T	79.0 × 1.2 × 2.8	BF			ST	CH	FE	13011-22140
							2	79.0 × 1.2 × 3.2	TF	SP		FC	PH	PH	
							O	79.0 × 3.0 × 2.55	3F			ST	CH	PH	
35824	3F	T	Celica 1400		1,407	4	T	80.0 × 2.0 × 3.9	BF			FC	CH	PH	13011-25010
			Cerina 1400Deluxe				2	80.0 × 2.0 × 3.8	TF			FC	PH	PH	13011-25020
			Corolla 1400				O	80.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-25032
			Sprinter 1400												13011-25041
			TE20,30,35,45												
35864	3F	T-J T-U	Corolla		1,407	4	T	80.0 × 1.5 × 3.8	BF			FC	CH	CH	13011-25033
			Starlet				2	80.0 × 2.0 × 3.8	TF			FC	PH	PH	13011-25042
			DAIHATSU Charmant				O	80.0 × 4.0 × 3.65	3F			ST	CH	PH	
35832	3F	4M	Crown 2600,MS65,75		2,563	6	T	80.0 × 2.0 × 3.9	BF			FC	CH	PH	13011-45021
			83,85,95				2	80.0 × 2.0 × 3.8	TF			FC	PH	PH	13011-45040
			Mark II 2600				O	80.0 × 4.0 × 3.65	3F			ST	CH	PH	
			Cressida 2600MX43												
36036	2F	1,2,3ZR				4	T	80.5 × 1.0 × 2.75	BF	BT		ST	CH	FE	13011-37090
							2	80.5 × 1.0 × 2.5	TF	SP		ST	FE	FE	13011-37140
							O	80.5 × 1.5 × 2.05	2F			ST	PV	FE	13011-37160
35830	3F	12R	Corona1600		1,587	4	T	80.5 × 2.0 × 3.9	BF			FC	CH	PH	13011-31050
			Corona Van				2	80.5 × 2.0 × 3.9	TF			FC	PH	PH	13011-31051
			Hi-Lux				O	80.5 × 4.0 × 3.65	3F			ST	CH	PH	13011-31060
			Hi-Ace												13011-31061
			Toyo-Ace												13011-31070
			TaftF20												13011-31081
															13011-31090
35907	3FACBC	12R	Corona1600		1,587	4	T	80.5 × 2.0 × 3.9	BF			FC	CH	CH	13011-31051
			Corona Van				2	80.5 × 2.0 × 3.9	TF			FC	CH	PH	13011-31060
			Hi-Lux				O	80.5 × 4.0 × 3.65	3F			ST	CH	FE	13011-31061
			Hi-Ace												13011-31070
			Toyo-Ace												13011-31081
			TaftF20												13011-31090
35861	3F	1S-U 1S-L 5K	Camry,Carina		1,832	4	T	80.5 × 1.5 × 3.25	BF			ST	CH	FE	13011-63010
			Celica,Chaser		1,486		2	80.5 × 1.5 × 3.65	TF			FC	PH	PH	13011-63011
			Corona,Corolla				O	80.5 × 4.0 × 2.95	3F			ST	NT	PH	13011-63020
			Vista												13011-63030
			Lite-Ace, Van Truck												13011-63031
															13011-13040
															13011-13050
															13011-13080
36056	2F	2ZR-FXE	Prius		1,797	4	T	80.5 × 1.0 × 2.5	BF	BT		ST	PV	FE	13011-37110
			Prius PHV				2	80.5 × 1.0 × 2.3	TF			ST	FE	FE	13011-37260
			Prius V				O	80.5 × 1.5 × 2.05	2F			ST	PV	FE	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
36060	2FAC	HS3ZR	Voxy,Noah		1,986	4	T	80.5 × 1.2 × 2.7	BT			ST	PV	NT	13011-37210
							2	80.5 × 1.0 × 2.5	TF	SP		ST	CH	FE	
							O	80.5 × 2.0 × 2.75	2F			ST	PV	FE	
35922	3F	7K	Lite-Ace Truck		1,781	4	T	80.5 × 1.5 × 3.25	BF			ST	CH	FE	13011-13100
			DAIHATSU Delta Van				2	80.5 × 1.5 × 3.65	TF			FC	PH	PH	13011-13110
							O	80.5 × 4.0 × 2.95	3F			ST	NT	PH	13011-13120
35876	3F	4A	CorollaEA82		1,587	4	T	81.0 × 1.5 × 2.75	BF			ST	NT	PH	13011-16010
		4A-G	Sprinter				2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16011
		4A-L					O	81.0 × 2.8 × 2.9	3F			ST	NT	NT	13011-16031
		4A-C													13011-16032
35908	3F	4AF	Corolla		1,600	4	T	81.0 × 1.5 × 2.75	BF			ST	PH	PH	13011-16130
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16140
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	13011-16150
35913	3F	4AFE	Corolla		1,600	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-16280
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16290
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	13011-16300
															13011-16340
35951	3F	4AGEU	Corolla,AT190,AE101		1,600	4	T	81.0 × 1.5 × 2.75	BF			ST	PH	PH	13011-16050
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16090
							O	81.0 × 2.8 × 2.9	3F			ST	NT	NT	13011-16180
35910	3F	4AGE	Corolla		1,587	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-16200
			Sprinter				2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16210
							O	81.0 × 2.8 × 2.9	3F			ST	NT	NT	13011-16190
35976	3F	4AG	Corolla		1,587	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-16350
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	
35989	3F	N4AG	Corolla		1,600	4	T	81.0 × 1.2 × 3.25	BF	BT		ST	CH	FE	13011-16230
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	
							O	81.0 × 3.0 × 2.6	3F			ST	CH	PH	
35938	3F	7A-FE	Carina,Corona		1,762	4	T	81.0 × 1.5 × 2.75	BF			ST	PH	PH	13011-16320
			Premio				2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16330
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	
36040	3F	2ZZ-GE	Corrola		1,796	4	T	82.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-88601
							2	82.0 × 1.2 × 3.1	TF	SP		ST	FE	FE	
							O	82.0 × 3.0 × 2.55	3F			ST	CH	PH	
35977	2FAC	1CD				4	T	82.2 × 2.0 × 2.9	BF			ST	CH	NT	13011-27030
							2	82.2 × 1.5 × 2.7	TF			ST	NT	NT	
							O	82.2 × 3.0 × 3.55	2F			ST	NT	NT	
35996	2FAC	1CDA	Corolla		2,000	4	T	82.2 × 2.0 × 2.7	BF			ST	CH	FE	13011-27040
							2	82.2 × 1.5 × 2.7	TF			ST	FE	FE	
							O	82.2 × 3.0 × 3.55	2F			ST	NT	NT	
35917	3F	4S	Caldina		1,838	4	T	82.5 × 1.5 × 3.1	BF			ST	CH	FE	13011-74110
			Camry				2	82.5 × 1.5 × 3.8	TF			FC	PH	PH	13011-74120
			Vista				O	82.5 × 4.0 × 2.9	3F			ST	CH	PH	13011-74121

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment		Reference
											Outside	Upper/Lower	
35859	3F	5M 5M-E(U)	Crown2800,MS112 CelicaXX2800,MA56		2,759	6	T	83.0 × 2.0 × 3.5	BF	FD	CH	PH	13011-43010
							2	83.0 × 2.0 × 3.9	TF	FC	PH	PH	13011-43030
							O	83.0 × 4.0 × 3.15	3F	ST	CH	PH	
35860	3F	5M-GEU 5M-GE (ECE)	Celica2800GT Crown2800 Soarer2800GT		2,759	6	T	83.0 × 1.5 × 3.1	BF	ST	NT	NT	13011-43050
							2	83.0 × 1.5 × 3.6	TF SP	FC	PH	PH	13011-43080
							O	83.0 × 4.0 × 3.15	3F	ST	CH	PH	
35893	3F	7M	Crown,Soarer		2,954	6	T	83.0 × 1.5 × 3.1	BF	ST	NT	NT	13011-42010
							2	83.0 × 1.5 × 3.6	TF SP	FC	PH	PH	13011-42020
							O	83.0 × 4.0 × 3.15	3F	ST	CH	PH	13011-42030
													13011-42040
35842	3F	4V	Century		3,376	8	T	83.0 × 2.0 × 3.1	BF	ST	NT	NT	13011-52010
							2	83.0 × 2.0 × 3.4	TF	FC	PH	PH	
							O	83.0 × 4.0 × 3.6	3F	ST	CH	PH	
35865	2FAC DIESEL	1C 1C-T	Carina Corolla Corona CT147 Sprinter Town-Ace CR26		1,839	4	T	83.0 × 2.0 × 3.3	HK BF	ST	CH		13011-64010
							2	83.0 × 2.0 × 3.8	TF	FC	CH	PH	13011-64020
							O	83.0 × 4.0 × 4.0	2F	ST	CH	FE	13011-64040
													13011-64070
													13011-64080
35900	3FAC	1C-A	Corolla		1,839	4	T	83.0 × 2.0 × 3.15	HK BF	ST	NT	NT	13011-64130
							2	83.0 × 2.0 × 3.6	TF	FC	CH	PH	13011-64220
							O	83.0 × 3.0 × 2.8	3F	ST	NT	PH	
35923	2FAC DIESEL	1C-T	Corolla		1,839	4	T	83.0 × 2.0 × 3.3	HK BF	ST	NT	NT	13011-64070
							2	83.0 × 2.0 × 3.8	TF	FC	CH	PH	
							O	83.0 × 4.0 × 2.45	2F	ST	CH	FE	
35853	3F	21R 21R-U	Corona2000,RT133 Mark II/Cressida Chaser,RX41 Celica,RA45 Camry,RA56		1,972	4	T	84.0 × 1.5 × 3.1	BF	ST	CH	FE	13011-37030
							2	84.0 × 2.0 × 3.7	TF	FC	PH	PH	13011-37050
							O	84.0 × 4.0 × 3.15	3F	ST	CH	PH	13011-37060
35880	3F	21R-2 21R-C 21R-V	Cressida RX70		1,972	4	T	84.0 × 1.5 × 3.1	BF	ST	CH	FE	13011-37070
							2	84.0 × 1.5 × 3.6	TF	FC	PH	PH	13011-37071
							O	84.0 × 4.0 × 3.15	3F	ST	CH	PH	
35866	3F	2S 2S-C	Camry SV11 Vista		1,995	4	T	84.0 × 1.5 × 3.1	BF	ST	CH	FE	13011-74010
							2	84.0 × 1.5 × 3.6	TF	FC	PH	PH	13011-74020
							O	84.0 × 4.0 × 3.15	3F	ST	CH	PH	13011-74030
													13011-74040
													13011-74041

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35825	3F	2T	Corona1600,A-TT10D,11D		1,588	4	T	85.0 × 2.0 × 3.8	BF			ST	NT	NT	13011-26020
		2T-G	Celica TA22,27,A9TA23,28				2	85.0 × 2.0 × 4.0	TF			FC	PH	PH	13011-26040
		3T	Carina TA19V				O	85.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-26041
		12T	Corolla 1600ST TE21,27,41,47,A-TE31,37 41,47,H-TT106V,TT106V												13011-27020
35958	3F	3T	Corolla			4	T	85.0 × 1.5 × 3.3	BF			ST	NT	NT	13011-28010
			Carina/camry/Celica				2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	13011-28011
							O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	13011-28012
															13011-28020
															13011-28030
															13011-28031
36063	2F	1AD-FTV	Corolla		1,998	4	T	86.0 × 2.0 × 2.9	BF			ST	CH	FE	13011-26120
			Scion iM				2	86.0 × 1.5 × 2.9	TF SP			ST	FE	FE	
			Corolla iM				O	86.0 × 3.0 × 2.0	2F			ST	NT	NT	
36066	3FAC	8AR				4	T	86.0 × 1.5 × 3.2	BF			ST	PV	NT	13011-36101
							2	86.0 × 1.2 × 3.3	TF SP			ST	CR	FE	
							O	86.0 × 2.0 × 2.5	3F			ST	PV		
36043	2FAC	1JZ-FSE	Mark II		2,491	6	T	86.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-46070
			CROWN				2	86.0 × 1.2 × 3.1	TF SP			FC	PH	PH	
							O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	
36009	2FAC DIESEL	1,2DZ				4	T	86.0 × 2.0 × 3.15	HK BF			ST	NT	NT	13011-78202-71
							2	86.0 × 2.0 × 3.1	TF			ST	NT	NT	
							O	86.0 × 3.0 × 3.4	2F			ST	NT	NT	
35960	2F	1TR	Hiace Van		2,000	4	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-75100
			Toyo Ace				2	86.0 × 1.2 × 3.1	TF SP			FC	PH	PH	13011-75120
							O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	
35820	3F	6R	Corona		1,707	4	T	86.0 × 2.0 × 3.9	TF			FC	CH	PH	13011-33010
		7R	RT60,61,70,71,76,77,84,94		1,591		2	86.0 × 2.5 × 3.9	TF SP			FC	PH	PH	13011-33020
		8R	RT88V,RX10,20,26,RX16V		1,858		O	86.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-33021
			Corona Mark II RT62H,62K,72H,72K,72S												13011-33022 13011-33030
35902	3F	3S	Corona		1,998	4	T	86.0 × 1.5 × 3.3	BF			ST	CH	FE	13011-74070
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	13011-74072
							O	86.0 × 4.0 × 2.9	3F			ST	CH	PH	13011-74091
															13011-74280
35885	3F	3SFE(C)	Vista,Caldina,		1,998	4	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	13011-74080
			Carina,Corona				2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	13011-74081
							O	86.0 × 4.0 × 2.9	3F			ST	NT	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape	Material	Surface Treatment		Reference		
									① ② ③		Outside	Upper/ Lower			
35942	3F	3S-F	Vista,Caldina,		1,998	4	T	86.0 × 1.5 × 3.35	BF	ST	NT	NT	13011-74131		
			2				86.0 × 1.5 × 3.8	TF	FC		PH	PH			
			O				86.0 × 4.0 × 2.9	3F	ST		NT	PH			
35984	3F	3S-FE	Vista,Camry		1,998	4	T	86.0 × 1.2 × 2.7	BF	ST	NT	NT	13011-74320		
			2				86.0 × 1.2 × 3.1	TF SP	FC		PH	PH	13011-74340		
			O				86.0 × 3.0 × 2.85	3F	ST		CH	PH	13011-74361		
35962	2FAC	3S-FSE	Nadia		2,000	4	T	86.0 × 1.2 × 2.7	BF	ST	NT	NT	13011-74400		
			2				86.0 × 1.2 × 3.4	TF	FC		CH	PH			
			O				86.0 × 2.0 × 2.75	2F	ST		NT	NT			
35995	3F	3S-G			2,000	4	T	86.0 × 1.2 × 3.05	BF	ST	CH	PH	13011-88363		
			2				86.0 × 1.5 × 3.6	TF SP	FC		PH	PH	13011-88380		
			O				86.0 × 4.0 × 3.2	3F	ST		CH	PH			
35963	3F	1AZ	Rav4		2,000	4	T	86.0 × 1.2 × 2.7	BF	ST	NT	NT	13011-28120		
			2				86.0 × 1.2 × 3.1	TF SP	FC		PH	PH	13011-28121		
			O				86.0 × 2.0 × 2.5	3F	ST		NT	NT	13011-28210		
												13011-28220			
35997	2FAC	1AZ-D4	Premio,Allion,Caldina,Wish		2,000	4	T	86.0 × 1.2 × 2.9	BF	ST	NT	NT	13011-28110		
			2				86.0 × 1.2 × 3.1	TF	FC		CH	PH	13011-28200		
			O				86.0 × 2.0 × 2.75	2F	ST		NT	NT			
36030	3FAC	1AZ	Wish		1,998	4	T	86.0 × 1.2 × 2.9	BF	ST	NT	NT	13011-28130		
			2				86.0 × 1.2 × 2.9	TF SP	ST		CH	FE			
			O				86.0 × 3.0 × 2.7	3F	ST		NT	NT			
35904	3F	1RZ	Hi-Ace		1,998	4	T	86.0 × 1.75 × 3.35	BF	ST	NT	NT	13011-75020		
			2				86.0 × 1.5 × 3.6	TF	FD		CH	PH	13011-75010		
			O				86.0 × 4.0 × 3.2	3F	ST		NT	PH			
35869	3FAC	1Y	Hi-Lux YN50,55		1,626	4	T	86.0 × 1.5 × 3.5	BF	ST	CH	FE	13011-71010		
		2Y	Dyna YU60,70,80				1,812	2	86.0 × 1.5 × 4.0		TF	FC	CH	PH	13011-71020
		3Y	Town Ace YR26				1,998	O	86.0 × 4.0 × 3.15		3F	ST	CH	PH	13011-71030
		Master Ace,YR20												13011-71031	
		YM21												13011-71040	
			Hi-Ace YH51,61										(13011-71033)		
			YR21												
35930	3FAC	1Y(NEW)	Hi-Lux		1,626	4	T	86.0 × 1.5 × 3.35	BF	ST	NT	NT	13011-71033		
		2Y	Town Ace				1,998	2	86.0 × 1.5 × 4.0		TF	FC		CH	PH
		3Y						O	86.0 × 4.0 × 3.2		3F	ST		NT	NT
35946	3F	2JZ-GE	Crown,Progres,		2,997	6	T	86.0 × 1.5 × 3.35	BF	ST	NT	NT	13011-46040		
		1JZ-GE	Aristo				2	86.0 × 1.5 × 3.8	TF		FC	PH	PH	13011-46041	
		Supra	O				86.0 × 4.0 × 2.9	3F	ST		NT	PH	13011-46030		
													13011-46050		
35964	2FAC	2JZ-D4	Crown		2,997	6	T	86.0 × 1.2 × 2.7	BF	ST	NT	NT	13011-46060		
			Aristo				2	86.0 × 1.2 × 3.4	TF		FC	CH	PH	13011-46061	
			O				86.0 × 2.0 × 2.75	2F	ST		NT	NT			

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
35877	3FAC	2C-T	Town Ace CR21 DAIHATSU Delta		1,974	4	T	86.0 × 2.0 × 3.15	HK BF	ST	NT NT	13011-64150
							2	86.0 × 2.0 × 3.1	TF	ST	NT NT	13011-64060
							O	86.0 × 4.0 × 3.2	3F	ST	NT NT	13011-64150
35911	2FAC DIESEL	2C-A	Corolla Master Ace CE100,CT141,CV30,CHR11G		1,974	4	T	86.0 × 1.75 × 2.95	HK BF	ST	NT NT	13011-64170
							2	86.0 × 2.0 × 3.1	TF	ST	NT NT	
							O	86.0 × 3.0 × 3.4	2F	ST	NT NT	
35965	2FAC DIESEL	2C-T-2	Carina,Estima		1,974	4	T	86.0 × 2.0 × 3.15	HK BF	ST	NT NT	13011-64210
							2	86.0 × 2.0 × 3.1	TF	ST	NT NT	
							O	86.0 × 3.0 × 3.4	2F	ST	NT NT	
35912	2FAC DIESEL	2.3C-T	Carina,Estima Emina Tamaraw FX		2,000	4	T	86.0 × 2.0 × 3.15	HK BF	ST	NT NT	13011-64212
							2	86.0 × 2.0 × 3.1	TF	ST	NT NT	13011-64213
							O	86.0 × 3.0 × 3.4	2F	ST	NT NT	13011-64190
35966	2FAC DIESEL	3C-T	Town-Ace Lite-Ace		2,200	4	T	86.0 × 2.0 × 3.51	HK BF	ST	NT NT	13011-64230
							2	86.0 × 2.0 × 3.1	TF	ST	NT NT	
							O	86.0 × 3.0 × 3.4	2F	ST	NT NT	
35925	2FAC DIESEL	1DZ	Estima		2,184	4	T	86.0 × 2.0 × 3.15	HK BF	ST	NT NT	13011-78200-71
							2	86.0 × 2.0 × 3.6	HK TF BB	FD	CH PH	
							O	86.0 × 4.0 × 3.4	2F	ST	NT NT	
36016	2F DIESEL	2AD AD				4	T	86.0 × 2.0 × 2.9	BF	ST	NT NT	13011-26090
							2	86.0 × 1.5 × 2.9	TF	ST	FE FE	13011-26100
							O	86.0 × 2.0 × 2.75	2F	ST	NT NT	13011-26110
35940	2FAC DIESEL	2DZ	Estima		2,184	4	T	86.0 × 2.0 × 3.15	HK BF	ST	NT NT	13011-78201-71
							2	86.0 × 2.0 × 3.1	TF	ST	NT NT	
							O	86.0 × 4.0 × 4.25	2F	ST	NT NT	
36034	2F DIESEL	1VD-FTV				8	T	86.0 × 2.0 × 2.9	BF	ST	NT NT	13011-51030
							2	86.0 × 1.5 × 2.9	TF	ST	FE FE	13011-51031
							O	86.0 × 2.0 × 2.75	2F	ST	NT NT	13011-51032
36000	3F	Y-P	Crown,Crown Comfort		2,000	4	T	86.0 × 1.5 × 3.1	BF	ST	NT NT	13011-73071
							2	86.0 × 1.5 × 3.6	TF SP	FC	CH PH	
							O	86.0 × 4.0 × 2.9	3F	ST	NT PH	
35988	3FAC	5S-FE	Camry Harrier		2,163	4	T	87.0 × 1.5 × 3.5	BF	ST	CH FE	13011-74150
							2	87.0 × 1.5 × 3.6	TF	FC	CH PH	
							O	87.0 × 3.0 × 2.8	3F	ST	CH PH	
35921	3FAC	5SFE2	Scepter,Camry Harrier		2,163	4	T	87.0 × 1.5 × 3.5	BF	ST	CH FE	13011-74290
							2	87.0 × 1.5 × 3.6	TF	FC	CH PH	13011-74260
							O	87.0 × 4.0 × 2.7	3F	ST	NT PH	13011-74261
35943	3FAC	5SFE2-2	Scepter,Camry, Harrier		2,163	4	T	87.0 × 1.5 × 3.35	BF	ST	NT NT	13011-74300
							2	87.0 × 1.5 × 3.6	TF	FC	CH PH	
							O	87.0 × 4.0 × 2.7	3F	ST	NT PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35944	3F	5SFE3	Scepter, Camry, Harrier		2,163	4	T	87.0 × 1.2 × 2.9	BF			ST	CH	FE	13011-74370
							2	87.0 × 1.2 × 3.4	TF	SP		FC	PH	PH	13011-74380
							O	87.0 × 3.0 × 2.6	3F			ST	NT	NT	13011-74410
35935	3F	1MZ-FE	Windom, Abaron		2,994	6	T	87.5 × 1.2 × 2.9	BF			ST	NT	NT	13011-20010
							2	87.5 × 1.2 × 3.4	TF	SP		FD	PH	PH	13011-20012
							O	87.5 × 3.0 × 2.6	3F			ST	NT	NT	13011-20020
36027	3F	1UZ	Celsior, Lexus		3,968	8	T	87.5 × 1.2 × 2.7	BF			ST	NT	NT	13011-50110
							2	87.5 × 1.2 × 3.3	TF			FC	PH	PH	
							O	87.5 × 3.0 × 2.6	3F			ST	NT	NT	
35947	3F	1UZ-FE	Celsior, Crown Majesta		3,968	8	T	87.5 × 1.5 × 3.15	BF			ST	NT	NT	13011-50040
							2	87.5 × 1.5 × 3.8	TF			FC	PH	PH	
							O	87.5 × 3.0 × 2.65	3F			ST	NT	NT	
35948	3FAC	1UZ-FE-2	Celsior, Crown Majesta		3,968	8	T	87.5 × 1.5 × 3.15	BF			ST	NT	NT	13011-50060
							2	87.5 × 1.5 × 3.6	TF	SP		FC	CH	PH	
							O	87.5 × 3.0 × 2.65	3F			ST	NT	PH	
36026	3F	2MZ	Windom		2,500	6	T	87.5 × 1.2 × 2.9	BF			ST	NT	NT	13011-20050
							2	87.5 × 1.2 × 2.7	TF	SP		ST	FE	FE	
							O	87.5 × 3.0 × 2.6	3F			ST	NT	NT	
35998	2FAC	3GR-D4	Crown, Mark X, Lexus GS		3,000	6	T	87.5 × 1.2 × 2.7	BF			ST	NT	NT	13011-31110
							2	87.5 × 1.2 × 2.7	TF	SP		ST	FE	FE	13011-31170
							O	87.5 × 2.0 × 2.75	2F			ST	NT	NT	
36020	3F	3GR-FE	Crown, IS300, GS300		2,994	6	T	87.5 × 1.2 × 2.7	BF			ST	NT	MT	13011-31180
							2	87.5 × 1.2 × 2.7	TF	SP		ST	FE	FE	
							O	87.5 × 2.0 × 2.5	3F			ST	PV		
35934	3F	3VZ-FE	Hi-lux, VCV10		2,958	6	T	87.5 × 1.5 × 3.3	BF			ST	CH	NT	13011-62060
							2	87.5 × 1.5 × 3.8	TF			FC	PH	PH	13011-65021
							O	87.5 × 4.0 × 2.9	3F			ST	NT	NT	
36031	3F	3VZ-FE 4VZ-FE	Camry Windom		2,958	6	T	87.5 × 1.5 × 3.3	BF			ST	NT	NT	13011-62040
							2	87.5 × 1.5 × 3.8	TF			FC	PH	PH	13011-62080
							O	87.5 × 3.0 × 2.6	3F			ST	NT	NT	
35810	3F	5R	Crown RS50, 50B Coaster Dyna RK171, 171V-B 176H, 176V-HB Stout RK101, 101K DAIHATSU Delta V30, 31, 34		1,994	4	T	88.0 × 2.0 × 4.2	BF			FC	CH	PH	13011-44011
							2	88.0 × 2.5 × 4.2	TF			FC	PH	PH	13011-44032
							O	88.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-44040
															13011-44042
															13011-44043
															13011-44060
															13011-44061
															13011-44062
															13011-44063
															13011-44073

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/ Lower		
35905	3FAC	5R	Crown RS50,50B		1,994	4	T	88.0 × 2.0 × 4.2	BF			FC	CH	PH	13011-44011	
			Coaster				2	88.0 × 2.5 × 4.2	TF				FC	CH	PH	13011-44032
			Dyna				O	88.0 × 4.0 × 3.65	3F				ST	CH	PH	13011-44040
			RK171,171V-B												13011-44042	
			176H,176V-HB												13011-44043	
			Stout RK101,101K												13011-44060	
			DAIHATSU Delta												13011-44061	
			V30,31,34												13011-44062	
															13011-44063	
															13011-44073	
35813	3PSBC	J	Dyna Diesel		2,336	4	T	88.0 × 2.5 × 3.8	BF			FC	CH	PH	13011-46021	
			JK170DH,171DH				2	88.0 × 2.5 × 3.8	TF				FC	CH		PH
		2J	175,176				3	88.0 × 2.5 × 3.8	TF SP			FC	PH	PH		
			Dyna Bus JK170B,171B				O	88.0 × 4.0 × 3.8	2F			FC	PH	PH		
							O	88.0 × 4.0 × 3.8	1F			FC	PH			
			35837	2F3PS DIESEL			J 2J	Dyna Diesel		2,481	4	T	88.0 × 2.5 × 3.8	HK BF BB		
Coaster Diesel		2			88.0 × 2.5 × 3.8	TF			FC			CH	PH	13011-48021		
Fork Lift		3			88.0 × 2.5 × 3.8	TF SP			FC			PH	PH			
		O			88.0 × 4.0 × 4.0	2F			FC			CH	PH			
35838	2FAC DIESEL	2J(NEW)	Dyna Diesel		2,841	4	T	88.0 × 2.54 × 3.8	HK BF			FD	CH	PH	13011-48022	
			Toyo-Ace Diesel				2	88.0 × 2.5 × 3.8	TF				FC	CH	PH	13011-48023
			JV10JY16,30				O	88.0 × 4.0 × 4.0	2F				ST	NT	NT	13011-48030
35827	3PSBC	H	Dyna Diesel		3,576	6	T	88.0 × 2.54 × 3.8	HK BF BB			FD	CH	PH	13011-47020	
			HV15				2	88.0 × 2.5 × 3.8	TF				FC	CH		PH
							3	88.0 × 2.5 × 3.8	TF SP				FC	PH		PH
							O	88.0 × 4.0 × 3.8	2F				FC	PH		PH
							O	88.0 × 4.0 × 3.8	1F				FC	PH		PH
35848	2F3PS DIESEL	H	Dyna Diesel		3,576	6	T	88.0 × 2.54 × 3.8	HK BF BB			FD	CH	PH	13011-47021	
			HU15-H				2	88.0 × 2.5 × 3.8	TF				FC	CH		PH
							3	88.0 × 2.5 × 3.8	TF SP				FC	PH		PH
							O	88.0 × 4.0 × 4.0	2F				FC	CH		PH
35839	2FAC DIESEL	H(NEW)	Dyna Diesel HU30		3,576	6	T	88.0 × 2.54 × 3.8	HK BF BB			FD	CH	PH	13011-47022	
			Land Cruiser HJ45				2	88.0 × 2.5 × 3.8	TF				FC	CH	PH	13011-47023
							O	88.0 × 4.0 × 4.0	2F				FC	CH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35831	3F	18R	Corona		1,808	4	T	88.5 × 2.0 × 4.2	BF			FC	CH	PH	13011-38010
			Corona Mark II		1,968		2	88.5 × 2.5 × 4.2	TF			FC	PH	PH	13011-38020
			Cressida		2,189		O	88.5 × 4.0 × 3.65	3F			ST	CH	PH	13011-38040
			Carina												13011-38060
			Hi-Lux												13011-34012
			Hi-Ace												13011-34013
			Celica2000GT,RA40												13011-34020
			Coaster RB11,12												13011-34022
															13011-34021
															13011-34030
															13011-34050
35849	2F3PS	20R	Coaster		1,968	4	T	88.5 × 2.0 × 4.2	BF			FC	CH	PH	13011-38030
					2,189		2	88.5 × 2.5 × 4.2	TF			FC	PH	PH	
							O	88.5 × 4.0 × 4.0	2F			FC	CH	PH	
							O	88.5 × 4.0 × 4.0	1F			FC	CH	PH	
36042	2F	2AZ	RAV4		2,362	4	T	88.5 × 1.0 × 2.7	BF			ST	NT	NT	13011-28160
			MARK X				2	88.5 × 1.0 × 2.7	TF SP			ST	FE	FE	13011-28161
			Velfire				O	88.5 × 2.0 × 2.75	2F			ST	NT	NT	13011-28190
															13011-0H040
															13011-0H041
															13011-28240
35967	3F	2AZ-FE	Camry,Ipsam,Estima,Rav4		2,400	4	T	88.5 × 1.2 × 2.7	BF			ST	CH	FE	13011-28151
			Harrier,Kluger,Alphard				2	88.5 × 1.2 × 3.2	TF SP			FC	PH	PH	13011-0H020
							O	88.5 × 2.0 × 2.5	3F			ST	NT	NT	13011-28101
															13011-28102
36055	2F	1AR	Camry		2,493	4	T	90.0 × 1.0 × 2.8	BF			ST	NT	NT	13011-36071/70
			XV50				2	90.0 × 1.0 × 2.7	TF SP			ST	FE	FE	13011-36060
							O	90.0 × 2.0 × 2.75	2F			ST	NT	NT	13011-36020/30/50
35806	3F	F	Truck		3,878	6	T	90.0 × 3.0 × 3.7	BF BT			FC	CH	PH	13011-60011
			FA80,80D,90,90D,95,100				2	90.0 × 3.0 × 3.7	TF SP			FC	PH	PH	13011-69021
			100D				O	90.0 × 4.0 × 3.65	3F			ST	CH	FE	
			110,110D,115,115C,FC100,100C				O	90.0 × 4.0 × 3.7	1F			FC	PH	PH	
			Land Cruiser												
35835	3F	F(NEW)	FJ40,40V,43,43V,45V,55V,												
			2FQ10												
			Bus												
			FB80,100,100C												
35835	3F	F(NEW)	Truck		3,878	6	T	90.0 × 2.0 × 4.0	SF			FC	CH	PH	13011-60040
			Bus				2	90.0 × 2.5 × 4.0	TF			FC	PH	PH	
			Land Cruiser				O	90.0 × 4.0 × 3.65	3F			ST	CH	FE	
							O	90.0 × 4.0 × 4.0	1F			FC	PH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35850	2FAC DIESEL	L	Crown Diesel LS110,		2,188	4	T	90.0 × 2.5 × 3.55	BF	TF	2F	ST	NT	NT	13011-54010
			110G,117				2	90.0 × 2.0 × 3.9					CH	PH	13011-54020
			Mark II/Cressida LX40				O	90.0 × 4.0 × 4.2					NT	NT	13011-54021
			Hi-Ace Van,Truck												
			Hi-Lux LN40												
			Toyo-Ace LY20,30												
			Blizzard(Jeep)LD10												
35862	2FAC DIESEL	L(NEW)	Blizzard(Jeep)		2,188	4	T	90.0 × 2.0 × 3.35	HK BF	TF	2F	ST	NT	NT	13011-54030
			Chaser				2	90.0 × 2.0 × 3.9					CH	PH	13011-54031
			Coaster				O	90.0 × 4.0 × 4.2					NT	NT	13011-54032
			Crown												13011-54040
			Hi-Ace												13011-54041
			Hi-Lux												13011-54042
			Mark II												13011-54080
			Toyo-Ace												
35887	3FAC	4Y	For Leded		2,208	4	T	91.0 × 1.5 × 3.35	BF	TF	3F	ST	NT	NT	13011-73020
							2	91.0 × 1.5 × 4.0					CH	PH	13011-73030
							O	91.0 × 4.0 × 2.9					NT	PH	13011-73031
															(13011-73032)
35932	3FAC	4Y(NEW)	For Leded		2,208	4	T	91.0 × 1.5 × 3.35	BF	TF	3F	ST	NT	NT	13011-73032
							2	91.0 × 1.5 × 4.0					CH	PH	
							O	91.0 × 4.0 × 2.9					NT	PH	
35856	2FACBC DIESEL	2H	Dyna Diesel		3,980	6	T	91.0 × 2.54 × 4.0	HK BF BB	TF	2F	FD	CH	PH	13011-96601
			Land Cruiser				2	91.0 × 2.5 × 4.0					CH	PH	13011-68010
			Fork Lift				O	91.0 × 4.0 × 3.5					CH	PH	13011-68020
35886	2FAC DIESEL	12H-T	Dyna Cruiser HJ61V		3,980	6	T	91.0 × 2.5 × 3.55	HK BF	TF	2F	ST	NT	NT	13011-68030
			Bus Diesel				2	91.0 × 2.5 × 4.0					CH	PH	
			Coaster				O	91.0 × 4.0 × 3.5					CH	PH	
36050	2FAC DIESEL	1GD	Hulix Revo		2,754	4	T	92.0 × 2.0 × 2.85	HK BF	TF	2F	ST	PV	NT	13011-0E010
							2	92.0 × 1.5 × 2.85					NT	NT	13011-11200
							O	92.0 × 3.0 × 2.95					NT	NT	13011-11210
															13011-11220
35986	2FAC DIESEL	2KD	Hi-lux			4	T	92.0 × 2.0 × 2.9	BF BT	TF	2F	ST	NT	NT	13011-30030
							2	92.0 × 1.5 × 2.85					NT	NT	13011-30031
							O	92.0 × 3.0 × 3.15					NT	NT	
36049	2FAC DIESEL	2KDFTV				4	T	92.0 × 2.0 × 2.9	HK BF	TF	2F	ST	NT	NT	13011-0L070
							2	92.0 × 1.5 × 2.85					NT	NT	
							O	92.0 × 3.0 × 2.95					NT	NT	
36067	3F	3MZ-FE(3F)	Coaster,Celica,Corona,Hi-Lux		2,366	6	T	92.0 × 1.2 × 2.8	BF	TF SP	3F	ST	CH	FE	13011-0A030
			Hi-Ace, Land Cruiser				2	92.0 × 1.2 × 3.8					PH	PH	
							O	92.0 × 3.0 × 2.5					NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35852	3FACBC	22R	Coaster		2,400	4	T	92.0 × 2.0 × 4.2	BF			FC	CH	PH	13011-35010
		22R-A	Celica				2	92.0 × 2.5 × 4.2	TF			FC	CH	PH	13011-35020
		22R-B					O	92.0 × 4.0 × 3.15	3F			ST	CH	PH	13011-35030
35881	3FAC	22R-2	Coaster RB20		2,400	4	T	92.0 × 1.5 × 3.3	BF			ST	CH	FE	13011-35040
		22R-E	Land Cruiser				2	92.0 × 1.5 × 4.0	TF	SP		FC	CH	PH	13011-35050
							O	92.0 × 4.0 × 3.2	3F			ST	CH	PH	13011-35052
															13011-35060
															13011-35061
															13011-35070
35933	3FAC	22R-3	Coaster RB20,		2,400	4	T	92.0 × 1.5 × 3.35	BF			ST	NT	NT	13011-35071
			Land Cruiser				2	92.0 × 1.5 × 4.0	TF			FC	CH	PH	
							O	92.0 × 4.0 × 3.2	3F			ST	NT	NT	
35945	3FAC	22R-4	Coaster RB20,		2,400	4	T	92.0 × 1.5 × 3.35	BF			ST	NT	NT	13011-35041
			Land Cruiser				2	92.0 × 1.5 × 4.0	TF			FC	CH	PH	
							O	92.0 × 4.0 × 3.2	3F			ST	NT	NT	
35867	2FAC	2L	Chaser		2,446	4	T	92.0 × 2.0 × 3.35	HK	BF		ST	NT	NT	13011-54050
			Crown				2	92.0 × 2.0 × 3.7	TF			ST	CH	FE	13011-54060
			Corona, Mark II				O	92.0 × 4.0 × 4.25	2F			ST	NT	NT	13011-54061
			Dyna												13011-54100
35899	2F	2L-T	Chaser			4	T	92.0 × 2.0 × 3.35	HK	BF		ST	NT	NT	13011-54090
			Crown				2	92.0 × 2.0 × 3.7	TF			ST	CH	FE	
			Corona, Mark II				O	92.0 × 4.0 × 4.25	2F			ST	NT	NT	
			Dyna												
36064	2F	3MZ-FE	Harrier Hybrid, Kluger Hybrid		3,300	6	T	92.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-20061
			RX330				2	92.0 × 1.2 × 3.8	TF	SP		FC	PH	PH	
							O	92.0 × 3.0 × 2.0	2F			ST	NT	NT	
36061	3F	5VZ	Hi-Lux Surf, Granvia		3,378	4	T	93.5 × 1.5 × 3.3	BF			ST	NT	NT	13011-62130
			Land Cruiser Prado				2	93.5 × 1.5 × 3.8	TF			FC	PH	PH	
							O	93.5 × 4.0 × 2.7	3F			ST	NT	NT	
35959	3F	5VZ-FE	Land Cruiser		3,378	6	T	93.5 × 1.5 × 3.55	BF			ST	NT	NT	13011-62100
			Hi-Ace				2	93.5 × 1.5 × 4.0	TF			FC	PH	PH	13011-62110
							O	93.5 × 4.0 × 2.9	3F			ST	NT	NT	13011-62120
35836	3F	2F	Truck		4,230	6	T	94.0 × 2.0 × 4.2	BF			FC	CH	PH	13011-61010
			FA100, 101, 115, FC22D				2	94.0 × 2.5 × 4.2	TF			FC	PH	PH	
			FJ55				O	94.0 × 4.0 × 3.65	3F			ST	CH	PH	
			Land Cruiser												
36054	3F	2UZ	Land Cruiser		4,663	8	T	94.0 × 1.2 × 3.1	BF			ST	NT	NT	13011-50162
							2	94.0 × 1.2 × 3.9	TF	SP		FC	PH	PH	
							O	94.0 × 3.0 × 2.5	3F			ST	NT	NT	
36028	3F	2UZ-FE	Land Cruiser		4,663	8	T	94.0 × 1.5 × 3.2	BF			ST	NT	NT	13011-50141
							2	94.0 × 1.5 × 4.0	TF	SP		FC	PH	PH	
							O	94.0 × 4.0 × 2.7	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference		
									①	②	③		Outside	Upper/Lower			
35882	3FAC	3F	Land Cruiser		4,000	6	T	94.0 × 1.5 × 3.5	BF			ST	CH	FE	13011-61060		
							2	94.0 × 1.5 × 4.0	TF				FC	CH	PH	13011-61061	
							O	94.0 × 4.0 × 3.25	3F				ST	NT	PH		
35914	3FAC	3F(NEW)	Land Cruiser		4,000	6	T	94.0 × 2.0 × 3.35	BF			ST	NT	NT	13011-61062		
							2	94.0 × 2.0 × 4.0	TF				FC	CH		PH	
							O	94.0 × 4.0 × 3.5	3F				ST	NT		PH	
36053	3F	3UR	Land Cruiser		5,663	8	T	94.0 × 1.2 × 3.1	BF			ST	NT	NT	13011-0S011		
			Lexus IS-F				2	94.0 × 1.2 × 3.4	TF SP				FC	PH		PH	
			Lexus LS460				O	94.0 × 2 × 2.7	3F				ST	NT		NT	
35968	3F	1GR-FE	Crown			6	T	94.0 × 1.2 × 3.25	BF			ST	CH	FE	13011-31100		
			Mark II				2	94.0 × 1.2 × 3.4	TF SP				FC	PH		PH	
							O	94.0 × 2.0 × 2.7	3F				ST	NT		NT	
35898	2FAC DIESEL	1HZ	Land Cruiser		4,200	6	T	94.0 × 2.0 × 3.55	HK BF BB			ST	NT	NT	13011-17010		
							2	94.0 × 2.0 × 4.0	TF				FC	CH	PH	13011-17011	
							O	94.0 × 4.0 × 4.33	2F				ST	NT	NT	13011-17020	
														13011-17030			
35970	2FAC DIESEL	1HD-FTE	Land Cruiser		4,200	6	T	94.0 × 2.0 × 3.3	BF			ST	NT	NT	13011-17040		
							2	94.0 × 1.5 × 3.3	TF SP				ST	NT		NT	
							O	94.0 × 4.0 × 4.33	2F				ST	NT		NT	
35949	2FAC DIESEL	1PZ	Land Cruiser		3,500	5	T	94.0 × 2.0 × 3.55	HK BF BB			ST	NT	NT	13011-18030		
			(90-94)				2	94.0 × 2.0 × 4.0	TF SP				FC	CH		PH	
							O	94.0 × 4.0 × 4.33	2F				ST	NT		NT	
36002	3F	2GR-FE	Harrier,Camry,Rav4,Avalon		3,500	6	T	94.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-31130		
			Lexus ES,RX				2	94.0 × 1.2 × 2.9	TF SP				ST	FE		FE	13011-31150
							O	94.0 × 2.0 × 2.7	3F				ST	NT		NT	
36062	3FAC	R1GR	Hi-Lux Surf,FJ Cruiser		3,955	6	T	94.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-31210		
			Land Cruiser Prado,Fortunner				2	94.0 × 1.2 × 2.9	TF SP				ST	FE		FE	
			Tundra,Hi-Lux				O	94.0 × 2.0 × 2.7	3F				ST	NT		NT	
35952	3FAC	2,3RZ	Hi-Ace,Hi-Lux,Granbia		2,438	4	T	95.0 × 1.75 × 3.55	BF			ST	NT	NT	13011-75030		
							2	95.0 × 1.5 × 3.7	TF				FC	CH	PH	13011-75060	
							O	95.0 × 4.0 × 2.95	3F				ST	NT	NT		
35961	2F	2TR-FE	Hi-Lux Surf,Hi Ace		2,700	4	T	95.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-75110		
			Land Cruiser Prado				2	95.0 × 1.2 × 3.4	TF SP				FC	PH	PH	13011-75130	
							O	95.0 × 2.0 × 2.75	2F				ST	NT			
35956	3F	2TZ-FE	Estima		2,438	4	T	95.0 × 1.75 × 3.65	BF			ST	CH	FE	13011-76010		
							2	95.0 × 1.5 × 3.8	TF				FC	PH	PH	13011-76050	
							O	95.0 × 4.0 × 3.15	3F				ST	NT	PH		
36004	3FAC	3RZ-FE	Hilux, Granvia		2,693	4	T	95.0 × 1.5 × 3.55	BF			ST	NT	NT	13011-75040		
							2	95.0 × 1.5 × 3.4	TF SP				FC	CH		PH	
							O	95.0 × 4.0 × 2.9	3F				ST	NT		PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
35834	2F3PS DIESEL	B(OLD)	Dyna Diesel		2,977	4	T	95.0 × 2.5 × 3.7	BF	ST	CH PH	13011-56010
			Coaster Diesel				2	95.0 × 2.5 × 4.3	TF	FC	PH PH	
			BB10,12,15,19				3	95.0 × 2.5 × 4.3	TF SP	FC	PH PH	
							O	95.0 × 4.5 × 4.84	2F	ST	CH FE	
35847	2F3PS DIESEL	B	Dyna Diesel		2,977	4	T	95.0 × 2.5 × 3.55	HK BF	ST	NT NT	13011-56011
			HINO Ranger				2	95.0 × 2.5 × 4.3	TF	FC	CH PH	
							3	95.0 × 2.5 × 4.3	TF SP	FC	PH PH	
							O	95.0 × 4.5 × 4.5	2F	ST	CH FE	
35840	2FAC DIESEL	B(NEW) BK	Dyna Diesel BU20,30		2,977	4	T	95.0 × 2.5 × 3.55	HK BF	ST	NT NT	13011-56012
			Land Cruiser BJ40,43				2	95.0 × 2.5 × 4.1	TF	FC	CH PH	13011-56013
			Coaster Diesel				O	95.0 × 4.5 × 4.84	2F	ST	CH FE	13011-56021
			DAIHATSU Delta									13011-56022
			V10,11,17									
			Light Bus V12									
35889	2FAC DIESEL	11B	DAIHATSU		2,977	4	T	95.0 × 2.5 × 3.7	BF	ST	CH	13011-56030
							2	95.0 × 2.5 × 4.3	TF	FC	PH PH	
							O	95.0 × 4.5 × 4.84	2F	ST	CH FE	
35901	2FAC DIESEL	11B,B	Dyna		2,977	4	T	95.0 × 2.5 × 3.55	HK BF	ST	NT NT	13011-56040
			Toyot-Ace				2	95.0 × 2.0 × 4.1	TF SP	FC	CH PH	
							O	95.0 × 4.0 × 4.26	2F	ST	NT NT	
35971	2FAC DIESEL	11B-2	Toyot-Ace		2,977	4	T	95.0 × 2.5 × 3.55	HK BF	ST	NT NT	13011-56050
			Dyna				2	95.0 × 2.0 × 4.1	TF SP	FC	CH PH	
							O	95.0 × 4.0 × 4.26	2F	ST	NT NT	
35892	2FAC DIESEL	3L	Hi-Lux, Land Cruiser		2,779	4	T	96.0 × 2.0 × 3.55	HK BF	ST	NT NT	13011-54120
							2	96.0 × 2.0 × 4.1	TF	FC	CH PH	
							O	96.0 × 4.0 × 4.36	2F	ST	NT NT	
35987	2FAC DIESEL	1KD	Hi-lux		2,982	4	T	96.0 × 2.0 × 3.35	HK BF	ST	NT NT	13011-30020
							2	96.0 × 1.5 × 3.25	TF	ST	NT NT	13011-30022
							O	96.0 × 3.0 × 3.0	2F	ST	NT NT	13011-30040
												13011-30050 13011-30150
35937	2FAC	1KZ	Hi-Ace, Land Cruiser		2,982	4	T	96.0 × 2.0 × 3.3	HK BF	ST	NT NT	13011-67030
			Hi-lux Surf				2	96.0 × 2.0 × 2.3	TF SP	ST	NT NT	
							O	96.0 × 3.0 × 3.15	2F	ST	NT NT	
35915	2FAC DIESEL	1Z	Dyna		2,977	4	T	96.0 × 2.0 × 3.55	BF	ST	NT NT	13011-78300-71
							2	96.0 × 2.0 × 4.4	TF	FC	CH PH	
							O	96.0 × 4.0 × 4.0	2F	FC	CH PH	
36048 1cyl/set	2FAC DIESEL	1Z 11Z	Fork Lift			4	T	96.0 × 2.0 × 3.55	BF	ST	NT NT	13011-78300-71
						6	2	96.0 × 2.0 × 4.4	TF	FC	CH PH	13011-78330-71
							O	96.0 × 4.0 × 4.0	2F	FC	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35851	2FACBC	2B DIESEL	Land Cruiser BJ41,44		3,168	4	T	98.0 × 2.54 × 4.1	HK	BF	BB	FD	CH	PH/CH	13011-57010
			Coaster Diesel				2	98.0 × 2.5 × 4.3		TF		FC	CH	PH	
			BB10,11				O	98.0 × 4.5 × 4.5	2F			FC	CH	PH	
35928	2FAC	2Z DIESEL				4	T	98.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78700-71
							2	98.0 × 2.0 × 4.2		TF		FC	CH	PH	
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	
36010	2FAC	2Z-B DIESEL				4	T	98.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78701-71
							2	98.0 × 2.0 × 3.5		TF		ST	NT	NT	
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	
36047 1cyl/set	2FAC	2Z-B DIESEL	Fork Lift			4	T	98.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78701-71
						6	2	98.0 × 2.0 × 3.5		TF		ST	NT	NT	13011-78760-71
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	13011-78761-71
36051	2FAC	3Z DIESEL	Fork Lift		3,469	4	T	98.0 × 2.0 × 3.55	HK	BF	BB	ST	NT	NT	13011-UD020
							2	98.0 × 2.0 × 3.5		TF		ST	NT	NT	13013-78C00-71
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	13015-78C00-71
35929	2FAC	5L DIESEL	Hi-Ace Van,Regius Van		2,985	4	T	99.5 × 2.0 × 3.55	HK	BF		ST	NT	NT	13011-54130
			Hi-lux				2	99.5 × 1.5 × 3.3		TF	SP	ST	NT	NT	
							O	99.5 × 4.0 × 4.15	2F			ST	NT	NT	
35941	3FAC	1FZ	Land Cruiser,FZJ80G		4,476	6	T	100.0 × 1.75 × 3.75		BF	BT	ST	NT	NT	13011-66021
							2	100.0 × 2.0 × 3.8		TF	SP	FC	CH	PH	
							O	100.0 × 4.0 × 2.95	3F			ST	NT	PH	
36015	3FAC	1FZ-2	Land Crusier70.80			6	T	100.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-66020
			FZJ80G				2	100.0 × 2.0 × 3.8		TF	SP	FC	CH	PH	
							O	100.0 × 4.0 × 3.1	3F			ST	NT	NT	
35855	2FAC	3B DIESEL	Dyna Coaster		3,431	4	T	102.0 × 2.54 × 3.75	HK	BF		ST	NT	NT	13011-58010
			Land Cruiser BJ60				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
			DAIHATSU Delta				O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
35909	2FAC	3BK DIESEL	Dyna Coaster		3,431	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58011
			Land Cruiser BJ60				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
			DAIHATSU Delta				O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
35890	2FAC	13B DIESEL	Dyna BU62		3,400	4	T	102.0 × 2.5 × 4.1		BF		ST	CH		13011-58030
			DAIHATSU Delta				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
			V76,79				O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
35891	2FAC	13BT DIESEL	Toyo-Ace BU85		3,431	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58040
			Dyna BU95				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
							O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
35895	2FAC	14B DIESEL	Dyna300		3,660	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58050
							2	102.0 × 2.0 × 4.3		TF	SP	FC	CH	PH	13011-58051
							O	102.0 × 4.0 × 4.35	2F			ST	NT	PH	
35903	2F	14B-T DIESEL	Dyna 300		3,660	4	T	102.0 × 3.0 × 3.75	HK	BF		ST	NT	NT	13011-58060
							2	102.0 × 2.0 × 4.3		TF		FC	CH	PH	
							O	102.0 × 4.0 × 4.35	2F			ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35916	2FAC DIESEL	14B(NEW)	Dyna 300		3,660	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58070
							2	102.0 × 2.0 × 4.3		TF	SP	FC	CH	PH	13011-58072
							O	102.0 × 4.0 × 4.35	2F			ST	NT	NT	
36029	2F DIESEL	1W	Dyna		4,000	4	T	104.0 × 2.5 × 4.3		BF		FD	CH	PH	13011-78010
							2	104.0 × 2.0 × 4.3		TF		FC	PH	PH	S1304-E0251
							O	104.0 × 5.0 × 4.55	2F			ST	CH	FE	
35808	PS DIESEL	2D(OLD)	Truck		6,494	6	T	105.0 × 3.0 × 4.2		TF		FC	CH	PH	13011-77010
			DA90,90D,95,110,110D				2	105.0 × 3.0 × 4.2		TF		FC	PH	PH	13011-77020
			115,115C,116				3	105.0 × 3.0 × 4.2		TF	SP	FC	PH	PH	13011-77021
			Bus				O	105.0 × 5.0 × 4.2	1F			FC	CH	PH	13011-77022
			DB90,92,95,100				O	105.0 × 5.0 × 4.2	1F			FC	PH	PH	13011-77023
			100C,102,102C												
35846	2FBC DIESEL	2D(NEW)	Truck		6,494	6	T	105.0 × 3.04 × 4.0	K	BF	BB	FD	CH	PH	13011-77040
			PA110,115,116				2	105.0 × 2.5 × 4.3		TF	ST	FC	PH	PH	13011-77041
			Bus				3	105.0 × 2.5 × 4.3		TF	SP	FC	PH	PH	13011-77050
							O	105.0 × 5.0 × 4.65	2F			FC	CH	PH	
35926	2FAC DIESEL	15B-F	Mega Cruiser		4,104	4	T	108.0 × 3.0 × 4.15	HK	BF		ST	PH	PH	13011-58090
							2	108.0 × 2.0 × 4.3		TF	SP	FD	CH	PH	
							O	108.0 × 4.0 × 4.4	2F			ST	NT	NT	
35969	2FAC DIESEL	15B-FTE	Mega Cruiser		4,100	4	T	108.0 × 3.0 × 4.1		BF		ST	NT	NT	13011-58110
			Toyo-Ace				2	108.0 × 2.0 × 3.9		TF	SP	ST	NT	NT	
			Dyna				O	108.0 × 4.0 × 4.4	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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DAEWOO

41008 1cyl/set	3F	4EA	Matiz		800	3	T	68.5 × 1.2 × 2.65	BF BT	ST	CH FE	96325192
			Spark			4	2	68.5 × 1.2 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.5 × 2.85	3F	ST	CH PH	
41002	3F	F8 YSE F6B 3EA	Tico		600	3	T	68.5 × 1.2 × 2.55	BF	ST	CH FE	12140-78B00-000
							2	68.5 × 1.5 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.8 × 2.85	3F	ST	CH PH	
41012	3F	F8CV	Matiz		800	3	T	68.5 × 1.2 × 2.65	BF BT	ST	CH FE	96325192
							2	68.5 × 1.2 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.5 × 2.85	3F	ST	CH PH	
41017	3F	F8CV-2	Matiz		800	4	T	68.5 × 1.2 × 2.65	BF BT	ST	CH FE	96325192
							2	68.5 × 1.2 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.5 × 2.85	3F	ST	CH PH	
41020	3F	S-TEC2	Aveo,Sonic,Aveo5,Cruze		1,206	4	T	69.7 × 1.2 × 2.45	BF BT	ST	CH FE	93744884
							2	69.7 × 1.2 × 2.8	TF	FC	PH PH	24545481
							O	69.7 × 2.0 × 2.45	3F	ST	CH PH	
41001	3F	1.5L DOHC SOHC NP960	Lemans		1,500	4	T	76.48 × 1.5 × 3.05	BF	ST	CH FE	NP960
			Spagon				2	76.48 × 1.5 × 3.1	TF SP	FC	PH PH	NP1015
			Espero				O	76.48 × 3.0 × 2.85	3F	ST	CH PH	NP1016
41010	3F	T200	KALOS/ GENTRA			4	T	76.5 × 1.5 × 3.1	BF	ST	CH FE	93742961
							2	76.5 × 1.5 × 3.3	TF SP	FC	PH PH	
							O	76.5 × 2.0 × 2.85	3F	ST	CH PH	
41013	3F	AVEO-2	AVEO			4	T	77.9 × 1.2 × 2.9	BF	ST	CH FE	93740229
							2	77.9 × 1.5 × 3.2	TF SP	FC	PH PH	
							O	77.9 × 2.5 × 3.1	3F	ST	CH PH	
41011	3F	AVEO 1.6	AVEO			4	T	79.0 × 1.2 × 3.3	BF	ST	CH FE	93740225
			Lanos				2	79.0 × 1.5 × 3.2	TF	FC	PH PH	S1220014
							O	79.0 × 3.0 × 3.05	3F	ST	CH PH	
41019	3F	E-TEC 2	Lacetti,Lanos,Espero		1,600	4	T	79.0 × 1.2 × 2.7	BF	ST	NT NT	55581399
			Nexia,Tacuma				2	79.0 × 1.2 × 3.2	TF SP	FC	PH PH	93744928
							O	79.0 × 2.0 × 2.95	3F	ST	NT NT	
41018	3F	T18SED	Excelle 1.8L		1,796	4	T	80.5 × 1.2 × 2.9	BF	ST	NT NT	93742700
							2	80.5 × 1.2 × 3.2	TF SP	FC	PH PH	
							O	80.5 × 2.0 × 2.9	3F	ST	CH PH	
41009	3F	OPTRA	LACETTI			4	T	81.6 × 1.2 × 3.1	BF	ST	NT NT	92067238
							2	81.6 × 1.5 × 3.4	TF SP	FD	PH PH	
							O	81.6 × 3.0 × 2.9	3F	ST	CH PH	
41015	3F	E-TEC	Nubira			4	T	81.6 × 1.5 × 3.3	BF	ST	NT NT	92062817
							2	81.6 × 1.5 × 3.3	TF SP	FC	PH PH	
							O	81.6 × 3.0 × 3.1	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
41003	2FAC DIESEL	1146	8TON Dump Truck Bus BF105		6		T	111.0 × 3.31 × 4.5	K	BF		FC	CH	PH	65.02503-8146
							2	111.0 × 3.0 × 4.5		TF	ST	FC	CH	PH	
							O	111.0 × 4.0 × 4.15	2F			ST	NT	NT	
41006	2FAC DIESEL	2366	8.5TON DUMP TRUCK BUS BS106 EXCAVATOR GENERATOR 115K FORKLIFT		6		T	123.0 × 3.306 × 5.0	K	BF		FC	CH	PH	65.02503-8236
							2	123.0 × 3.0 × 5.0		TF	ST	FC	CH	PH	
							O	123.0 × 4.0 × 4.5	2F			ST	NT	NT	
41004	2FAC DIESEL	2848 M	15TON DUMP TRUCK BUS BH120 EXCAVATOR GENERATOR 200K		8		T	128.0 × 3.306 × 5.1	K	BF		FD	CH	PH	65.02503-8251
							2	128.0 × 3.0 × 5.2		TF		FC	CH	PH	
							O	128.0 × 5.5 × 4.8	2F			FC	CH	PH	
41005	2FAC DIESEL	2848 NEW	15TON DUMP TRUCK BUS BH126 EXCAVATOR GENERATOR 200K		8		T	128.0 × 3.306 × 5.1	K	BF		FD	CH	PH	65.02503-8252
							2	128.0 × 3.0 × 5.2		TF	SP	FC	CH	PH	
							O	128.0 × 5.0 × 4.8	2F			FC	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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HYUNDAI

42016	3F	G4HA	Atos	798	4	T	63.0 × 1.2 × 2.25	BF	ST	CH	FE	23040-02500
						2	63.0 × 1.5 × 2.7	TF	FC	PH	PH	23040-02510
						O	63.0 × 2.8 × 2.85	3F	ST	CH	PH	23040-02511
42002	3F	80HC	Atos	1,000	4	T	66.0 × 1.2 × 2.3	BF	ST	CH	FE	23040-02700
						2	66.0 × 1.2 × 2.8	TF	FC	PH	PH	
						O	66.0 × 2.5 × 2.8	3F	ST	CH	PH	
42036	3F	SANTRO			4	T	67.0 × 1.2 × 2.3	BF	ST	NT	NT	23040-02820
						2	67.0 × 1.2 × 2.7	TF	FC	PH	PH	
						O	67.0 × 2.5 × 2.5	3F	ST	NT	NT	
42018	3FAC	X11			4	T	71.0 × 1.5 × 2.7	BF	ST	NT	NT	23040-21000
						2	71.0 × 1.5 × 3.1	TF	FC	PH	PH	23040-24010
						O	71.0 × 4.0 × 2.95	3F	ST	NT	PH	
42051	3F	G4EA	ALPHA 1.3	1,341	4	T	71.5 × 1.2 × 2.6	BF BT	ST	CH	FE	23040-22301
						2	71.5 × 1.2 × 3.0	TF SP	FC	PH	PH	
						O	71.5 × 2.0 × 2.5	3F	ST	NT	PH	
42003	3F	G4K	Accent	1,500	4	T	71.5 × 1.5 × 2.9	BF	ST	CH	FE	23040-22300
						2	71.5 × 1.5 × 3.1	TF	FC	PH	PH	
						O	71.5 × 3.0 × 2.9	3F	ST	CH	PH	
42047	2FAC DIESEL	AVANTE XD	I20/I30 08-/ELANTRA 06-/ SOUL 09-	1,600	4	T	75.0 × 1.75 × 2.9	BF BT	ST	NT	NT	23040-2A900
						2	75.0 × 1.75 × 3.0	TF ST	FC	CH	PH	
						O	75.0 × 3.0 × 3.2	2F	ST	NT	NT	
42025	3F	AVANTE 1.5	95 Avante 1.5GLS 96 Accent E/G		4	T	75.5 × 1.2 × 2.7	BF	ST	NT	NT	23040-26001
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	
						O	75.5 × 3.0 × 2.9	3F	ST	CH	PH	
42032	3F	G4EE	ACCENT ERA		4	T	75.5 × 1.2 × 2.85	BF BT	ST	CH	FE	23040-26002
						2	75.5 × 1.2 × 3.2	TF SP	FC	PH	PH	
						O	75.5 × 2.0 × 2.75	3F	ST	NT	NT	
42004	3F	G4EK	Accent,S-coupe	1,500	4	T	75.5 × 1.5 × 3.1	BF	ST	CH	FE	23040-22010
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	
						O	75.5 × 3.0 × 2.95	3F	ST	CH	PH	
42019	3F	G4EK	Excel1.5	1,468	4	T	75.5 × 1.5 × 3.1	BF	ST	CH	FE	23040-21110
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	23040-24200
						O	75.5 × 4.0 × 3.2	3F	ST	CH	PH	
42039	3F	G4EK			4	T	75.5 × 1.5 × 2.9	BF	ST	NT	NT	23040-22050
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	23040-22051
						O	75.5 × 3.0 × 2.8	3F	ST	NT	NT	
42030	3F	G4ED	Accent 1.6,Matrix 1.6 Getz 1.6		4	T	76.5 × 1.2 × 2.85	BF BT	ST	CH	FE	23040-26101
						2	76.5 × 1.2 × 3.3	TF SP	FC	PH	PH	
						O	76.5 × 2.5 × 3.05	3F	ST	CH	PH	
42038	3F	ALPHA 1.6			4	T	76.5 × 1.2 × 2.85	BF BT	ST	CH	FE	23040-26160
						2	76.5 × 1.2 × 3.2	TF SP	FC	PH	PH	
						O	76.5 × 2.0 × 2.5	3F	ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
42045	3F	GAMMA	ACCENT 2011			4	T	77.0 × 1.2 × 2.65	BF BT	ST	CH FE	23040-2B000
							2	77.0 × 1.2 × 3.1	TF SP	FC	PH PH	
							O	77.0 × 2.0 × 2.55	3F	FC	CH PH	
42053	3F	G4FA			1,400	4	T	77.0 × 1.2 × 2.5	BF BT	ST	PV FE	23040-2B001
							2	77.0 × 1.2 × 3.1	TF SP	FC	PH PH	
							O	77.0 × 2.0 × 2.6	3F	ST	PV PH	
42060	2F	G4FD	i40			4	T	77.0 × 1.2 × 2.5	BF BT	ST	PV FE	23040-2B600
							2	77.0 × 1.2 × 3.1	TF SP	FC	PH PH	
							O	77.0 × 2.0 × 2.75	2F	ST	NT NT	
42058	3F	G4FG	Creta			4	T	77.0 × 1.2 × 2.7	BF	ST	NT NT	23040-2B800
							2	77.0 × 1.2 × 3.1	TF SP	FC	PH PH	
							O	77.0 × 2.0 × 2.55	3F	ST	CH PH	
42008	3FAC	G4GA	Elantra		1,600	4	T	77.4 × 1.2 × 2.75	BF BT	ST	NT NT	23040-23150
							2	77.4 × 1.2 × 3.3	TF	FC	CH PH	
							O	77.4 × 2.5 × 3.15	3F	ST	NT PH	
42006	3F	J2				4	T	77.4 × 1.2 × 2.75	BF BT	ST	CH PH	23040-23100
							2	77.4 × 1.2 × 3.3	TF	FC	PH PH	
							O	77.4 × 2.5 × 3.05	3F	ST	CH PH	
42057	3F	2K0,Nu Nu,1.8L	Elantra 11 Elantra MD		1,797	4	T	81.0 × 1.0 × 2.7	BF BT	ST	PV FE	23040-2E000
							2	81.0 × 1.2 × 3.3	TF SP	FC	FE FE	
							O	81.0 × 2.0 × 2.25	3F	ST	PV PH	
42046	3FAC	G4DM				4	T	81.5 × 1.2 × 3.1	BF	ST	NT NT	23040-33430
							2	81.5 × 1.5 × 3.6	TF	FC	CH PH	
							O	81.5 × 3.0 × 2.5	3F	ST	NT NT	
42010	3FAC	BETA	Avante			4	T	82.0 × 1.2 × 3.1	BF BT	ST	NT NT	23040-23050
							2	82.0 × 1.2 × 3.5	TF	FC	CH PH	23040-23000
							O	82.0 × 2.5 × 3.15	3F	ST	NT PH	23040-23200
42033	3F	TUCSON				4	T	82.0 × 1.2 × 2.8	BF BT	ST	CH FE	23040-23300
							2	82.0 × 1.2 × 3.2	TF SP	FC	PH PH	
							O	82.0 × 2.0 × 2.55	3F	ST	CH PH	
42005	3FAC	G4R	Elantra		1,600	4	T	82.3 × 1.2 × 3.1	BF	ST	NT NT	23040-33030
							2	82.3 × 1.5 × 3.6	TF	FC	CH PH	
							O	82.3 × 3.0 × 2.95	3F	ST	NT PH	
42034	2FAC DIESEL	3A0	ACCENT CRDI(TURBO DIESEL)			4	T	83.0 × 1.9 × 2.9	K BF	ST	CH FE	23040-27900
							2	83.0 × 2.0 × 3.6	TF	FC	CH PH	
							O	83.0 × 3.0 × 3.75	2F	ST	NT NT	
42049	2FAC DIESEL	D4EA	SANTA FE		1,991	4	T	83.0 × 1.94 × 3.1	K BF	FD	CH PH	23040-27920
							2	83.0 × 2.0 × 3.8	TF	FC	CH PH	23040-27950
							O	83.0 × 3.0 × 3.25	2F	ST	NT NT	
42052	2F DIESEL	R2.0L D4HA	IX35/SPGⅢ 2.0TCI		2,000	4	T	84.0 × 2.438 × 3.0	K BF	FD	CH PH	23040-2F930
							2	84.0 × 2.0 × 3.4	TF	FC	PH PH	
							O	84.0 × 3.0 × 3.3	2F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
42013	3FAC	EF2.0	Sonata		2,350	4	T	85.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	23040-38100
							2	85.0 × 1.5 × 3.7	TF			FC	PH	PH	
							O	85.0 × 2.8 × 2.4	3F			ST	NT	NT	
42020	3FAC	Y2				4	T	85.0 × 1.5 × 3.5	BF			ST	CH	FE	23040-32800
							2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	
							O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	
42040	3F	G4KC	SONATA 2.0L		1,998	4	T	86.0 × 1.2 × 3.05	BF	BT		ST	CH	FE	23040-25000
			IX35				2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
			TUCSON				O	86.0 × 2.0 × 2.55	3F			ST	CH	PH	
42043	3F	G4KC LPG			1,998	4	T	86.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	23040-25050
							2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
							O	86.0 × 2.0 × 2.5	3F			ST	NT	NT	
42065	3F	G4JS	Sonata/Santa		2,350		T	86.5 × 1.2 × 3.1	BF	BT		ST	CH	FE	23040-38200
							2	86.5 × 1.5 × 3.8	TF	SP		FC	PH	PH	
							O	86.5 × 2.75 × 2.55	3F			ST	CH	PH	
42021	3FAC	G6BA				6	T	86.7 × 1.2 × 3.05	BF	BT		ST	CH	FE	23040-37300
							2	86.7 × 1.2 × 3.6	TF			FC	PH	PH	
							O	86.7 × 2.5 × 3.05	3F			ST	CH	PH	
42050	3F	G6BA-2	SANTA FE 06-/TUCSON 04-08			6	T	86.7 × 1.2 × 3.05	BF	BT		ST	CH	FE	23040-3E001
							2	86.7 × 1.2 × 3.6	TF			FC	PH	PH	
							O	86.7 × 2.0 × 2.6	3F			ST	CH	PH	
42048	2FAC DIESEL	D4EB				4	T	87.0 × 2.419 × 3.1	K	BF		FD	CH	PH	23040-27960
							2	87.0 × 2.0 × 3.7	TF	ST		FD	CH	PH	
							O	87.0 × 3.0 × 3.55	2F			ST	NT	NT	
42044	3F	G4KC 2.4	SONATA 2.4L		2,359	4	T	88.0 × 1.2 × 3.1	BF	BT		ST	CH	FE	23040-25200
							2	88.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
							O	88.0 × 2.0 × 2.55	3F			ST	CH	PH	
42037	2FAC DIESEL	D4CB			2,500	4	T	91.0 × 2.42 × 3.3	HK	BF		ST	NT	NT	23040-4A900
							2	91.0 × 2.0 × 3.9	TF			FC	CH	PH	
							O	91.0 × 3.0 × 3.04	2F			ST	NT	NT	23040-4A920
42001	2FAC DIESEL	D4BA H100(NEW)	H100, Grace, Porter		2,500	4	T	91.1 × 2.0 × 3.35	BF			ST	NT	NT	23040-42200
							2	91.1 × 2.0 × 3.75	TF			FC	CH	PH	23040-42202
							O	91.1 × 3.0 × 3.3	2F			ST	NT	NT	23040-42210
42015	2FAC DIESEL	D4BF	Galopper			4	T	91.1 × 2.5 × 3.7	HK	BF	BB	FD	CH	PH	23040-42850
			Grace Turbo				2	91.1 × 2.0 × 3.7	HK	TF	BB	FD	CH	PH	23040-42521
			Starex Turbo				O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
42056	2FAC DIESEL	D4BF-2	Galopper			4	T	91.1 × 2.5 × 3.2	HK	BF		ST	CH	FE	23040-42850
			Grace Turbo				2	91.1 × 2.0 × 3.9	HK	TF		FC	CH	PH	
			Starex Turbo				O	91.1 × 4.0 × 4.2	2F			ST	NT	NT	
42041	2FAC DIESEL	D4BH			2,400	4	T	91.1 × 2.5 × 3.7	HK	BF	BB	FD	CH	PH	23040-42510
							2	91.1 × 2.0 × 3.7	HK	TF	BB	FD	CH	PH	
							O	91.1 × 4.0 × 3.3	2F			ST	CH	FE	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
42000	2FAC DIESEL	H100	88 Grace			4	T	91.1 × 2.5 × 3.7	BF			FD	CH	PH	23040-42000
			Porter				2	91.1 × 2.0 × 3.8	TF			FC	CH	PH	
			1Ton				O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
			1.25Ton												
42066	3F	LAMBDA II 3.8	Grandeur, Genesis		3,778	6	T	96.0 × 1.2 × 3.1	BF BT			ST	CH	FE	23040-3C200
							2	96.0 × 1.2 × 3.7	TF SP			FC	PH	PH	
							O	96.0 × 2.0 × 2.5	3F			ST	NT	NT	
42042	2FAC DIESEL	TERRACAN			2,900	4	T	97.1 × 2.42 × 3.4	HK BF			ST	NT	NT	23040-4X920
							2	97.1 × 2.0 × 3.9	TF BB			FD	CH	PH	
							O	97.1 × 3.0 × 3.25	2F			ST	NT	NT	
42007	2FAC DIESEL	D4AE	97 Mighty 3.5 Ton			4	T	100.0 × 3.0 × 3.7	K BF			ST	CH	NT	23040-41400
							2	100.0 × 2.0 × 4.0	TF ST			FD	CH	PH	
							O	100.0 × 4.0 × 3.95	2F			ST	NT	NT	
42017	2FAC DIESEL	D4AF	Mighty		3,298	4	T	100.0 × 3.0 × 4.0	HK BF			ST	CH	FE	23040-41000
							2	100.0 × 2.0 × 4.2	TF ST			FC	CH	PH	23040-41060
							O	100.0 × 5.0 × 4.7	2F			ST	CH	FE	
42061	2FAC DIESEL	D4GA				4	T	103.0 × 2.808 × 3.7	K BF			ST	NT	NT	23040-48000
							2	103.0 × 2.0 × 4.0	TF ST			FD	CH	PH	
							O	103.0 × 4.0 × 3.65	2F			ST	NT	NT	
42012	2FAC DIESEL	D4AF	Mighty		3,567	4	T	104.0 × 3.0 × 4.0	HK BF			ST	CH	FE	23040-41200
							2	104.0 × 2.0 × 4.2	TF ST			FC	CH	PH	
							O	104.0 × 4.0 × 4.2	2F			ST	NT	NT	
42054	2F DIESEL	D4DD				4	T	104.0 × 3.0 × 3.7	K BF			ST	NT	NT	23040-45500
							2	104.0 × 2.0 × 4.0	TF ST			FC	CH	PH	
							O	104.0 × 3.0 × 3.3	2F			ST	NT	NT	
42062	2FAC DIESEL	D6DA				6	T	109.0 × 2.76 × 4.5	K BF			FD	CH	PH	KOBRI-11-SCO
							2	109.0 × 2.5 × 4.5	TF ST			FD	CH	PH	
							O	109.0 × 4.0 × 4.35	2F			ST	NT	NT	
42029	2FAC DIESEL	D6CB	HYUNDAI Bus & Truck			6	T	130.0 × 3.306 × 5.4	K BF			FD	CH	PH	23430-84410
							2	130.0 × 3.0 × 5.3	TF			FC	CH	PH	
							O	130.0 × 4.0 × 4.35	2F			ST	NT	NT	
42028	2FAC DIESEL	D6CA	HYUNDAI Bus & Truck			6	T	133.0 × 3.306 × 5.3	K BF			FD	CH	PH	23430-84000
							2	133.0 × 3.0 × 5.3	TF			FC	CH	PH	
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
43021	3F	PICANTO 1.1L	Picanto		1,100	4	T	67.0 × 1.2 × 2.45	BF BT	ST	CH FE	23040-02950
							2	67.0 × 1.2 × 2.8	TF	FC	PH PH	23040-02970
							O	67.0 × 2.0 × 2.75	3F	ST	NT PH	
43002	3F	B1	Pride1100 (Unleaded)		1,100	4	T	68.0 × 1.2 × 2.75	BF	ST	CH FE	KK1Y8-11-SCO
							2	68.0 × 1.5 × 3.0	TF SP	FC	PH PH	
							O	68.0 × 3.0 × 2.85	3F	ST	CH PH	
43008	3F	PRIDE1.3	Pride Festiva		1,300	4	T	71.0 × 1.2 × 2.55	BF	ST	CH FE	K1YH-11-SCO
							2	71.0 × 1.5 × 3.1	TF SP	FC	PH PH	
							O	71.0 × 3.0 × 2.9	3F	ST	CH PH	
43028	3F	1Y0	Picanto		998	3	T	71.0 × 1.0 × 2.3	BF	ST	CH FE	23040-04100
							2	71.0 × 1.2 × 2.5	TF SP	FC	PH PH	
							O	71.0 × 2.0 × 1.95	3F	ST	CH PH	
43030 1cyl/set	3F	1Y0	Picanto		998	3	T	71.0 × 1.0 × 2.3	BF	ST	CH FE	23040-04100
							2	71.0 × 1.2 × 2.5	TF SP	FC	PH PH	
							O	71.0 × 2.0 × 1.95	3F	ST	CH PH	
43012	3F	B3	Rio		1,300	4	T	75.5 × 1.2 × 2.75	BF BT	ST	CH FE	0K3Y0-11-SCO
							2	75.5 × 1.2 × 3.2	TF SP	FC	PH PH	0K3Y2-11-SCO
							O	75.5 × 2.5 × 2.75	3F	ST	CH PH	
43026 DIESEL	2F	D4FB				4	T	77.2 × 1.75 × 2.9	BF	ST	NT NT	23040-2A960
							2	77.2 × 1.75 × 3.1	TF ST	FC	CH PH	
							O	77.2 × 3.0 × 3.2	2F	ST	NT NT	
43023	3F	AVELLA				4	T	78.0 × 1.5 × 3.25	BF	ST	CH FE	K2YA-11-SCO
							2	78.0 × 1.5 × 3.3	TF	FC	PH PH	K2Y2-11-SCO
							O	78.0 × 3.0 × 3.05	3F	ST	CH PH	
43015	3FAC	KV20	Sephia Carnival			4	T	78.0 × 1.5 × 3.25	BF	ST	CH FE	K9Y1-11-SCO
							2	78.0 × 1.5 × 3.3	TF	FC	PH PH	
							O	78.0 × 4.0 × 3.4	3F	ST	CH PH	
43025	3F	SPECTRA 1.6				4	T	78.0 × 1.2 × 2.8	BF BT	ST	CH FE	0K3Y3-11-SCO
							2	78.0 × 1.2 × 3.2	TF SP	FC	PH PH	
							O	78.0 × 2.5 × 2.65	3F	ST	CH PH	
43019	3F	2.5EGI	Carnival			6	T	80.0 × 1.2 × 3.1	BF	ST	CH FE	0K9YV-11-SCO
							2	80.0 × 1.5 × 3.3	TF	FC	PH PH	
							O	80.0 × 2.5 × 3.05	3F	ST	CH PH	
43020	3F	CARENS				4	T	81.0 × 1.5 × 3.15	BF	ST	NT NT	0K2Y3-11-SCO
							2	81.0 × 1.5 × 3.4	TF	FC	PH PH	
							O	81.0 × 3.0 × 2.95	3F	ST	NT NT	
43022	3F	CARENS-2				4	T	81.0 × 1.2 × 3.15	BF BT	ST	NT NT	23040-2Y050
							2	81.0 × 1.2 × 3.5	TF	FC	PH PH	
							O	81.0 × 2.5 × 3.15	3F	ST	NT PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
43027	2F DIESEL	R2.2L D4HB	IX35, Santa Fe, Tucson			4	T	85.4 × 2.438 × 3.0	K	BF		FD	CH	PH	
							2	85.4 × 2.0 × 3.5		TF		FC	PH	PH	
							O	85.4 × 3.0 × 3.25	2F			ST	NT	NT	
43024	2F DIESEL	NB1(NEW)	New Besta			4	T	86.0 × 2.0 × 3.5	HK	BF	BB	FD	CH	PH	K7Y0-11-SCO
							2	86.0 × 2.0 × 3.6		TF	ST	FC	PH	PH	
							O	86.0 × 4.0 × 3.85	2F			ST	NT	NT	
43013	2FAC DIESEL	R2			2,184	4	T	86.0 × 2.0 × 2.95		BF		ST	NT	NT	K7Y1-11-SCO
							2	86.0 × 2.0 × 3.5		TF	ST	FC	CH	PH	
							O	86.0 × 3.0 × 3.1	2F			ST	NT	NT	
43001	2F DIESEL	SF	K2400,Bongo		2,400	4	T	92.0 × 2.38 × 3.8		BF		FD	CH	PH	K7Z0-11-SCO
							2	92.0 × 2.38 × 3.8		TF		FC	PH	PH	
							O	92.0 × 4.0 × 4.179	2F			ST	CH	FE	
43003	2F DIESEL	SS SUTC	K2700 Besta		2,700	4	T	92.0 × 2.806 × 3.9	K	BF		FD	CH	PH	K480-23-206 K4Z0-11-SCO
							2	92.0 × 2.4 × 3.8		TF		FC	PH	PH	
							O	92.0 × 4.0 × 4.25	2F			ST	CH	FE	
43006	2FAC DIESEL	ZB	K-4100 BOXER COMBI AM815			6	T	92.0 × 2.375 × 3.5		BF		FD	CH	PH	V101-23-206 0527-23-206
							2	92.0 × 2.375 × 3.6		TF	ST	FC	CH	PH	
							O	92.0 × 4.75 × 4.3	2F			FC	CH	PH	
43007	2FAC DIESEL	RFA	Hi-Besta		2,700	4	T	93.0 × 2.0 × 3.15		BF		ST	NT	NT	VNY1-11-SCO
							2	93.0 × 2.0 × 3.7		TF		FC	CH	PH	
							O	93.0 × 3.0 × 3.4	2F			ST	NT	NT	
43009	2FAC DIESEL	JS	K-2700 PREGIO			4	T	94.5 × 2.0 × 3.3		BF		ST	NT	NT	K6Z1-11-SCO 23040-4Z900
							2	94.5 × 2.0 × 4.0		TF	ST	FC	CH	PH	
							O	94.5 × 3.0 × 3.4	2F			ST	NT	NT	
43004	2FAC DIESEL	HA1	K-3000 SUPER TITAN			4	T	95.0 × 2.375 × 3.8		BF		FD	CH	PH	KOYO-11-SCO
							2	95.0 × 2.375 × 3.8		TF		FD	CH	PH	
							O	95.0 × 4.0 × 4.25	2F			ST	CH	FE	
43014	2FAC DIESEL	J3				4	T	97.1 × 2.0 × 3.5	HK	BF		FD	CH	PH	K5Z1-11-SCO
							2	97.1 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	97.1 × 3.0 × 3.25	2F			ST	NT	NT	
43010	2FAC DIESEL	JT				4	T	98.0 × 2.0 × 3.55		BF	BT	ST	NT	NT	K7Z1-11-SCO
							2	98.0 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	98.0 × 3.0 × 3.15	2F			ST	NT	NT	
43011	2FAC DIESEL	K3600				4	T	100.0 × 2.0 × 3.55		BF		ST	NT	NT	K4Y1-11-SCO
							2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	100.0 × 3.0 × 3.3	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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OTHERS

ASIA

44001	3F	TOWNER 70	TOWNER		3	T	70.0 × 1.2 × 2.5	BF	ST	NT	NT	AA100-11-120
						2	70.0 × 1.5 × 2.9	TF SP	FC	PH	PH	
						O	70.0 × 2.8 × 2.6	3F	ST	NT	PH	

AUDI

50084 1cyl/set	3F	CYPA				T	82.5 × 1.2 × 3.0	BF BT	ST	NT	NT	
						2	82.5 × 1.2 × 3.15	TF SP	FC	PH	PH	
						O	82.5 × 2.0 × 2.25	3F	ST	CH	PH	

CHERY

50106	3F	QQ6			4	T	72.0 × 1.2 × 2.75	BF BT	ST	NT	NT	
						2	72.0 × 1.2 × 3.0	TF SP	FC	PH	PH	
						O	72.0 × 2.5 × 2.9	3F	ST	CH	PH	
50105	3F	A11			4	T	80.0 × 1.2 × 3.25	BF BT	ST	CH	FE	
						2	80.0 × 1.5 × 3.3	TF SP	FC	PH	PH	
						O	80.0 × 3.0 × 2.95	3F	ST	CH	PH	
50104	3F	SPERANZA A516			4	T	81.0 × 1.2 × 3.25	BF BT	ST	CH	FE	
						2	81.0 × 1.5 × 3.35	TF SP	FC	PH	PH	
						O	81.0 × 2.5 × 2.9	3F	ST	CH	PH	

CHRYSLER

61001	3F	EER			6	T	86.0 × 1.5 × 3.25	BF	ST	CH	FE	
						2	86.0 × 1.5 × 3.7	TF	FC	PH	PH	
						O	86.0 × 3.0 × 3.05	3F	ST	CH	PH	

BMW/MINI

50060 1cyl/set	3F	COOPER 77				T	77.0 × 1.2 × 2.9	BF	ST	NT	NT	
						2	77.0 × 1.2 × 3.3	TF SP	FC	PH	PH	
						O	77.0 × 2.5 × 2.75	3F	ST	CH	PH	
50122 1cyl/set	3F	M40B18E	318i /518i	1,795	4	T	84.0 × 1.5 × 3.1	BF	ST	NT	NT	NE# 120 007 0003
		M42B18	318i /518i /318iS /Z3	1,796	4	2	84.0 × 1.5 × 3.5	TF SP	FC	PH	PH	
		M43B16	316i	1,596	4	O	84.0 × 2.0 × 2.8	3F	ST	NT	PH	
		M50B25	323i /325i /523i /525i	2,494	6							
		M52B28	328i /528i /728i /Z3	2,792	6							
		M60B30	530i /730i	2,997	8							
50126 1cyl/set	3F	M43B19	318i,318Ci,318Ti,Z31.9	1,895	4	T	85.0 × 1.2 × 3.1	BF BT	ST	NT	NT	NE# 120 007 0032
		M44B19		5,379	12	2	85.0 × 1.5 × 3.5	TF SP	FC	PH	PH	
						O	85.0 × 2.0 × 2.75		ST	NT	PH	
		M43B54		5,379	12			3F				

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TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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DOOSAN

44007	2F	DB58 102 DIESEL	DB58			6	T	102.0 × 3.0 × 4.3	K BF	FC	CH PH	65.02503-8058
							2	102.0 × 2.5 × 4.4	TF	FC	PH PH	
							O	102.0 × 4.0 × 4.1	2F	ST	NT NT	
44009	2FAC	2848 DIESEL				8	T	128.0 × 3.306 × 5.1	K BF	FD	CH PH	65.02503-8255
							2	128.0 × 3.0 × 5.2	TF SP	FC	CH PH	
							O	128.0 × 4.0 × 4.75	2F	ST	NT NT	
44011	2FAC	DV15 TIS DIESEL				8	T	128.0 × 3.306 × 5.1	K BF	FD	CH PH	65.02503-8256
							2	128.0 × 3.0 × 5.2	TF SP	FC	CH PH	
							O	128.0 × 4.0 × 3.8	2F	ST	NT NT	

GM/CHEVROLET

50096	3F	B12	N200(CHINA) N300			4	T	69.8 × 1.2 × 2.5	BF	ST	NT NT	
							2	69.8 × 1.2 × 2.9	TF	FC	PH PH	
							O	69.8 × 2.0 × 2.7	3F	ST	CH PH	
50059	3F	S-TEC III 1.4L	SAIL SPIN	1,399	4		T	73.8 × 1.2 × 2.6	BF BT	ST	CH FE	93736247
							2	73.8 × 1.2 × 2.8	TF SP	FD	PH PH	
							O	73.8 × 2.0 × 2.5	3F	ST	NT NT	
50033	2F	CORSA 1.4L				4	T	77.58 × 1.5 × 2.8	BF	ST	CH FE	
							2	77.58 × 1.5 × 3.1	TF	FC	PH PH	
							O	77.58 × 3.0 × 3.1	2F	ST	NT NT	
50120	3F	F14D4	AVEO 1.4			4	T	77.9 × 1.2 × 2.7	BF	ST	NT NT	93744936
							2	77.9 × 1.2 × 3.25	TF SP	FC	PH PH	
							O	77.9 × 2.0 × 2.95	3F	ST	CH PH	
50032	3F	E-TEC I 1.6 X16XE1	CORSA 1.6L	1,598	4		T	78.98 × 1.2 × 2.7	BF	ST	NT NT	93235611
							2	78.98 × 1.5 × 3.2	TF	FC	PH PH	
							O	78.98 × 3.0 × 2.9	2F	ST	CH PH	
50078	3F	E-TEC II 1.8L X18XE1	Corsa 1.8 Evolution	1,796	4		T	80.5 × 1.2 × 3.1	BF	ST	CH FE	93332835
							2	80.5 × 1.2 × 2.95	TF	FC	PH PH	
							O	80.5 × 2.0 × 2.85	3F	ST	CH PH	
50121	3F	T18SED				4	T	80.5 × 1.2 × 2.9	BF	ST	NT NT	93745432
							2	80.5 × 1.2 × 3.4	TF SP	FC	PH PH	93742700
							O	80.5 × 2.0 × 2.95	3F	ST	CH PH	93294730
50123	3F	Z24 XE				2,405	T	87.5 × 1.2 × 3.0	BF	ST	CH FE	92067904
							2	87.5 × 1.5 × 3.1	TF BB	FC	PH PH	
							O	87.5 × 2.5 × 2.75	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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FIAT

50127 1cyl/set	2F	199B1.000	500 1.3 D Multijet, 500 C 1.3 D Multijet	1,248	4	T	69.6 × 1.5 × 2.9	BF	ST	CH	FE	NE# 120 020 0015
	DIESEL	263A2.000	FIORINO Kasten/Kombi			2	69.6 × 1.5 × 2.65	TF	FD	PH	PH	
			(225)1.3 D Multijet,IDEA 1.3 D Multijet			O	69.6 × 2.0 × 2.75	2F	ST	NT	NT	
			PUNTO(199) 1.3 D Multijet									
			PUNTO EVO(199) 1.3 D Multijet									
50082 1cyl/set	2FAC	M 733 AT	Gingo	1,248	4	T	69.6 × 2.0 × 2.75	BF	ST	NT	NT	
		JTD 1.3 Multijet	Doplo			2	69.6 × 1.5 × 2.85	TF	FC	PH	PH	
		199 A3.0000	Idea			O	69.6 × 2.0 × 2.75	2F	ST	NT	NT	
		188 A3.0000	Panda									
50124 1cyl/set	3F	176 A7.000	Punto 60,75,85	1,242	4	T	70.8 × 1.2 × 2.6	BF BT	ST	CH	FE	NE# 120 020 0044
		176 A8	Siena ,Strada ,Palio			2	70.8 × 1.2 × 2.7	TF SP	ST	FE	FE	
		176 B4 , 176 B9	Brava ,Marea,			O	70.8 × 2.5 × 2.75	3F	ST	NT	NT	
		175 B5 , 178 E2	Panada Stilo									
		182 B2	Doblo 1.2 ,Bravo									
50038 1cyl/set	2F	188 A6.000	PUNTO II 1.8	1,747	4	T	82.0 × 1.2 × 3.25	BF	ST	CH	FE	71713060
		182 A2.000	BARCETTA 1.8			2	82.0 × 1.2 × 3.3	TF	FC	PH	PH	
		183 A1.000	BRAVA 1.8			O	82.0 × 2.0 × 2.75	2F	ST	NT	NT	
			BRAVO 1.8									
			COUPE 1.8									
50067 1cyl/set	2F	F1AE 0481C EURO3	DUCATO Box 2.3 JTD	2,287	4	T	88.0 × 2.358 × 3.65	K BF	ST	CH	FE	2992540
		F1AE 0481N	DUCATO Bus 2.3 JTD			2	88.0 × 2.0 × 3.6	TF	FC	PH	PH	
		F1AE 0481D EURO4	DUCATO Platform 2.3 JTD	2,286		O	88.0 × 2.5 × 3.1	2F	ST	NT	NT	
		F1AE0481T	DUCATO chassis 2.3 JTD									
			DUCATO Box 120 Multijet 2,3 D									
50097 1cyl/set	2F	4P10 95.8	FIAT VANS DUCATO 3.0 250	2,998	4	T	95.8 × 2.306 × 3.9	K BF	FD	CH	PH	MK667801/F1CFA401A
	DIESEL					2	95.8 × 2.0 × 3.9	TF	FD	PH	PH	
						O	95.8 × 2.5 × 3.2	2F	ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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FORD

50130 1cyl/set	3F	ZH14 Zetec S, SE FHA, FHD, FHE, FHF, FXDA ASDA, ASDB, SPJA, FXDB FXDC, FXDD	Fiesta, Focus, Puma 1.4 i 16V	1,388	4	T	76.0 × 1.2 × 2.9	BF	ST	NT	NT	NE# 120 021 0046
						2	76.0 × 1.5 × 3.2	TF	FC	PH	PH	
						O	76.0 × 2.5 × 2.75	3F	ST	CH	PH	
50069 1cyl/set	3F	FOCUS 1.6				T	79.0 × 1.2 × 2.85	BF	ST	CH	FE	
						2	79.0 × 1.5 × 3.2	TF	FC	PH	PH	
						O	79.0 × 2.0 × 2.3	3F	ST	CH	PH	
50029 1cyl/set	2F	FORD 79.5			4	T	79.5 × 1.75 × 3.25	BF	ST	CH	FE	28198151
						2	79.5 × 2.0 × 3.3	TF	FC	PH	PH	28527600
						O	79.5 × 3.0 × 3.55	2F	ST	NT	NT	
50072 1cyl/set	3F	MPV				T	81.6 × 1.2 × 3.1	BF BT	ST	NT	NT	
						2	81.6 × 1.5 × 3.3	TF SP	FC	PH	PH	
						O	81.6 × 3.0 × 2.85	3F	ST	CH	PH	
50131 1cyl/set	3F	CGBA, CGBB CHBA, CHBB CGBA, CGBB CHBA, CHBB	Mondeo-Focus	2,521	5	T	83.0 × 1.2 × 3.15	BF BT	ST	NT	NT	NE# 120 021 0058
						2	83.0 × 1.2 × 3.45	TF SP	FC	PH	PH	
						O	83.0 × 2.5 × 2.8	3F	ST	NT	NT	
50070 1cyl/set	3F	FOCUS 1.8				T	83.0 × 1.2 × 2.75	BF	ST	CH	FE	
						2	83.0 × 1.2 × 3.3	TF SP	FC	PH	PH	
						O	83.0 × 2.5 × 2.65	3F	ST	CH	PH	
50068 DIESEL	2F	DURATORQ 2.2L BT-50	RANGER, BT-50	2,200	4	T	86.0 × 2.0 × 3.6	BF	FD	CH	PH	
						2	86.0 × 2.0 × 3.6	TF SP	FD	PH	PH	
						O	86.0 × 2.0 × 2.85	2F	ST	NT	NT	
50129 1cyl/set	3F	NBA, NBC, NES, N8B, N9A N9C, N9D, N9E, N9F, N9K NSD, NSF, NSE	Galaxy, Sierra, Scorpio, Transit Torneo 2.0	1,998	4	T	86.0 × 1.6 × 3.55	BF BT	FD	CH	PH	NE# 120 021 0003
						2	86.0 × 1.75 × 3.6	TF SP	FC	PH	PH	
						O	86.0 × 3.0 × 2.95	3F	ST	CH	PH	
50049 1cyl/set	2F	TRANSIT DIESEL				T	89.9 × 2.0 × 3.3	BF	ST	NT	NT	
						2	89.9 × 2.0 × 3.7	TF SP	FC	PH	PH	
						O	89.9 × 2.0 × 2.75	2F	ST	NT	NT	
50053 1cyl/set	2F	PUMA DIESEL				T	89.91 × 2.4 × 3.75	HK BF	FD	CH	PH	06-113500-00
						2	89.91 × 2.0 × 3.7	TF BT	FC	PH	PH	
						O	89.91 × 3.0 × 3.15	2F	ST	NT	NT	
50047 1cyl/set	2F	TRANSIT DIESEL				T	93.67 × 2.43 × 3.55	K BF	ST	CH	FE	
						2	93.67 × 2.0 × 3.8	TF BT	FC	PH	PH	
						O	93.67 × 4.0 × 4.15	2F	ST	NT	NT	

GAZ

50090	2F	406 DIESEL	TRUCK		4	T	92.0 × 2.0 × 3.8	BF	FD	CH	PH	406.1000100
						2	92.0 × 2.0 × 4.2	TF ST	FC	PH	PH	
						O	92.0 × 5.0 × 4.1	2F	FC	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
50091	2F	421	TRUCK			4	T	100.0 × 2.0 × 4.1	BF			FD	CH	PH	421.1000100
	2						100.0 × 2.0 × 4.2	TF SP			FC	PH	PH		
	O						100.0 × 5.0 × 4.3	2F			FD	CH	PH		

GEELY

50103	3F	EMGRAND EC7 4G15	4	T	77.8 × 1.2 × 2.75	BF BT	ST	NT	NT	
				2	77.8 × 1.2 × 3.25	TF SP	FC	PH	PH	
				O	77.8 × 3.0 × 2.95	3F	ST	CH	PH	

LADA

50008	3F	LADA 76	4	T	76.0 × 1.5 × 2.9	BF	ST	NT	NT	
				2	76.0 × 2.0 × 3.2	TF SP	FC	PH	PH	
				O	76.0 × 4.0 × 3.45	3F	ST	CH	PH	
50009	3F	LADA 79	4	T	79.0 × 1.5 × 3.1	BF	ST	NT	NT	
				2	79.0 × 2.0 × 3.2	TF SP	FC	PH	PH	
				O	79.0 × 4.0 × 3.45	3F	ST	CH	PH	
50020	3F	LADA 82	4	T	82.0 × 1.5 × 3.1	BF	ST	NT	NT	
				2	82.0 × 2.0 × 3.2	TF SP	FC	PH	PH	
				O	82.0 × 4.0 × 2.95	3F	ST	CH	PH	
50098 1cyl/set	2F	21126	4	T	82.0 × 1.2 × 2.9	BF	ST	NT	NT	21126-1000100-10
				2	82.0 × 1.5 × 3.4	TF	FC	PH	PH	
				O	82.0 × 2.0 × 2.7	2F	ST	NT	NT	
50095	2F	VAZ-21900	4	T	82.0 × 1.5 × 3.25	BF	ST	CH	FE	21083-1000100-00
				2	82.0 × 2.0 × 3.5	TF SP	FC	PH	PH	21083-1004029-00
				O	82.0 × 3.95 × 4.0	2F	FC	CH	PH	
50094	2F	ZMZ-40906	4	T	95.5 × 1.75 × 3.7	BF	ST	CH	FE	405.1000100-561
				2	95.5 × 2.0 × 3.75	TF	FC	PH	PH	40524.1000100-10
				O	95.5 × 3.5 × 4.0	2F	ST	CH	PH	

MAN

50110 1cyl/set	2F	D2866/40/42	MAN TRUCK	T	128.0 × 3.306 × 5.1	K BF	FD	CH	PH	NE No.8931200000
	DIESEL	D2848	BUS	2	128.0 × 3.0 × 5.2	TF SP	FC	PH	PH	
				O	128.0 × 5.0 × 4.7	2F	FC	CH	PH	

MERCEDES

50136 1cyl/set	3F	M160.910, Smart OE Q0019611V001000000 Code B01/B02/ B03/B04 B05/B09	Smart City-Coupe,	599	3	T	63.5 × 1.2 × 2.3	BF	ST	NT	NT	NE# 120 110 0001
			Cabrio(450) 0.6			2	63.5 × 1.5 × 2.65	TF	FC	PH	PH	
						O	63.5 × 2.5 × 2.5	3F	ST	NT	NT	
50037	3F	M 160 R3	SMART		3	T	63.5 × 1.2 × 2.5	BF	ST	CH	FE	80 00372 1 0 000
					2	63.5 × 1.5 × 2.6	TF	FC	PH	PH		
					O	63.5 × 2.5 × 2.55	3F	ST	CH	PH		
50137 1cyl/set	3F	M160.920, Smart OE Q0019612V001000000 Code B06/B07	Smart Cabrio, City-Coupe, Fortwo	698	3	T	66.5 × 1.2 × 2.3	BF	ST	CH	FE	NE# 120 110 0003
			Roadster(450, 452) 0.7		2	66.5 × 1.5 × 2.95	TF	FC	PH	PF		
						O	66.5 × 2.5 × 2.45	3F	ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
50052	3F	SMART				3	T	66.5 × 1.2 × 2.5	BF			ST	NT	NT	
							2	66.5 × 1.2 × 2.5	TF				FE	FE	
							O	66.5 × 2.5 × 2.2	3F				NT	NT	
50048 1cyl/set	2F DIESEL	SPRINTER					T	88.0 × 2.5 × 3.35	BF			ST	NT	NT	
							2	88.0 × 2.0 × 3.6	TF BT				PH	PH	
							O	88.0 × 3.0 × 3.3	2F				NT	NT	
50117 1cyl/set	2F DIESEL	OM611			2,148		T	88.0 × 2.5 × 3.7	BF BT			FD	CH	PH	M# A48910
							2	88.0 × 2.0 × 3.7	TF BT				PH	PH	
							O	88.0 × 3.0 × 4.0	2F				NT	NT	
50092 1cyl/set	2F DIESEL	OM501LA	Actros			6	T	130.0 × 2.917 × 4.7	K BF BT			ST	NT	NT	005 26 NO
							2	130.0 × 3.0 × 5.4	TF SB				PH	PH	
							O	130.0 × 4.0 × 4.4	2F				NT	NT	

OPEL

50083	2FAC	A 13 DTC				T	69.6 × 1.5 × 2.8	BF	FD	CH	PH	
1cyl/set	DIESEL					2	69.6 × 1.5 × 2.65	TF	FD	PH	PH	
						O	69.6 × 2.0 × 2.7	2F	ST	NT	NT	
50132	3F	X 10 XE, Z 10 XE	Agila, Corsa 1.0 i	973	3	T	72.5 × 1.2 × 2.7	BF	ST	NT	NT	NE# 120 035 0042
1cyl/set						2	72.5 × 1.5 × 3.0	TF SP	FC	PH	PH	
		X 12 XE, Z 12 XE	Astra, Agila, Crosa 1.2 16V	1,199	4	O	72.5 × 2.0 × 2.45	3F	ST	NT	NT	
50113	3F	Z10XEP	Agila / Corsa	1,000	3	T	73.4 × 1.2 × 2.5	BF	ST	NT	NT	SM# 793556-00-1
		Z12XEP	Astra / Agila / Corsa	1,199		2	73.4 × 1.2 × 3.2	TF SP	FC	PH	PH	01218N0
		Z14XEP	Astra / Corsa /Meriva	1,364		O	73.4 × 2.0 × 2.55	3F	ST	CH	PH	
50133	3F	Z 10 XEP	Agila, Corsa	1,000	3	T	73.4 × 1.2 × 2.75	BF BT	ST	NT	NT	NE# 120 035 0050
1cyl/set		Z 12 XEP	Agila, Astra, Corsa 1.2 i	1,199	4	2	73.4 × 1.2 × 3.0	TF SP	FC	PH	PH	
		Z 14 XEP	Astra, Corsa, Meriva	1,364	4	O	73.4 × 2.0 × 2.75	3F	ST	NT	NT	
50013	3F	OPEL 1.3L Thin			4	T	75.0 × 1.5 × 2.9	BF	ST	NT	NT	
						2	75.0 × 1.5 × 3.1	TF	FC	PH	PH	
						O	75.0 × 4.0 × 3.25	3F	ST	CH	PH	
50016	3F	OPEL 1.3L Thick			4	T	75.0 × 1.75 × 3.25	BF	ST	CH	FE	
						2	75.0 × 2.0 × 3.1	TF SP	FC	PH	PH	
						O	75.0 × 4.0 × 3.25	3F	ST	CH	PH	
50012	3F	OPEL 1.4L			4	T	77.6 × 1.5 × 2.9	BF	ST	NT	NT	
						2	77.6 × 1.5 × 3.1	TF	FC	PH	PH	
						O	77.6 × 3.0 × 2.9	3F	ST	CH	PH	
50080	3F	Z 1.6XEP	Meriva	1,598	4	T	79.0 × 1.2 × 3.0	BF	ST	CH	FE	
1cyl/set						2	79.0 × 1.2 × 3.1	TF SP	FC	PH	PH	
						O	79.0 × 2.0 × 2.45	3F	ST	CH	PH	
50087	3F	Z16XE	ASTRA 1.6	1,598	4	T	78.98 × 1.2 × 3.1	BF	ST	NT	NT	08-125600-00(GOETZE)
			VECTRA 1.6			2	78.98 × 1.5 × 3.2	TF	FC	PH	PH	
						O	78.98 × 2.5 × 2.9	3F	ST	CH	PH	
50011	3F	OPEL 1.6L			4	T	79.0 × 1.2 × 2.7	BF	ST	NT	NT	
						2	79.0 × 1.5 × 3.2	TF	FC	PH	PH	
						O	79.0 × 3.0 × 2.9	3F	ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
50034	3F	16V	ASTRA			4	T	79.0 × 1.2 × 3.0	BF			ST	CH	FE	
							2	79.0 × 1.5 × 3.2	TF			FC	PH	PH	
							O	79.0 × 2.5 × 2.5	3F			ST	CH	PH	
50119	3F	A16XER			1,600	4	T	79.0 × 1.2 × 2.5	BF			ST	NT	NT	93190365
							2	79.0 × 1.2 × 3.2	TF SP			FC	PH	PH	
							O	79.0 × 2.0 × 2.85	3F			ST	CH	PH	
50054	2F	XUD7(161A)	205 Box 1.7 Diesel		1,769	4	T	80.0 × 2.0 × 3.3	BF			FC	CH	PH	08-321500-00
		XUD7(A9A)	205 I 1.7 Diesel				2	80.0 × 2.0 × 3.3	TF			FC	PH	PH	08-321507-00
			205 II 1.7 Deasel				O	80.0 × 3.0 × 3.6	2F			ST	NT	NT	08-321510-00
			305 II 1.8 D, 305 II Break 1.8D												
			309 II 1.8 Deasel												
			205 Box 1.8D												
50056	2F	XUD9	306 Hatchback 1.8D, Partner Box 1.8D		1,905	4									
			306 1.9SLD, 306 Break 1.9D				T	83.0 × 2.0 × 3.5	BF			FD	CH	PH	08-152000-00
			306 Hatchback 1.9D, 405 I Break 1.9D				2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	08-152003-00
			405 II 1.9D, 405 II Break 1.9D				O	83.0 × 3.0 × 3.6	2F			ST	NT	NT	08-152007-00
			Boxer Box 1.9D												08-152011-00
			Partner Box 1.9D												
50010	3F	OPEL 1.8L				4	T	84.8 × 1.5 × 3.3	BF			ST	NT	NT	
							2	84.8 × 1.5 × 3.6	TF			FC	PH	PH	
							O	84.8 × 3.0 × 2.85	3F			ST	CH	PH	

PEUGEOT

50134 1cyl/set	2F	5FG(EP6CDTR)	RCZ 1.6 THP 270	1,598	4	T	77.0 × 1.2 × 2.8	BF BT	ST	CH	PH	NE# 120 037 0070
		5FK(EP6CB)	RANCH 1.6, PARTNER Tepee 1.6			2	77.0 × 1.5 × 3.2	TF SP	FC	PH	PH	
		5FU(EP6CDTX)	208 1.6 GTi, RCZ 1.6 16V, 308 CC 1.6 THP			O	77.0 × 2.0 × 2.55	2F	ST	NT	NT	
			308 1.6 GTi									
		5GN(EP6FDTR)	308 II 1.6 GTi									
50014	3F	PEUGEOT XU7(405)			4	T	83.0 × 1.5 × 3.1	BF	ST	NT	NT	
						2	83.0 × 1.5 × 3.5	TF SP	FC	PH	PH	
						O	83.0 × 3.0 × 3.05	3F	ST	CH	PH	
50023	3F	PEUGEOT XN1(504)			4	T	88.0 × 1.5 × 3.3	BF	FD	CH	PH	
						2	88.0 × 2.0 × 3.8	TF	FC	PH	PH	
						O	88.0 × 4.0 × 3.4	3F	ST	CH	PH	

PROTON

44005	3F	Campro	Gen2	1,300	4	T	76.0 × 1.2 × 2.85	BF	ST	CH	PH	
						2	76.0 × 1.2 × 3.1	TF	FC	PH	PH	
						O	76.0 × 2.5 × 2.75	3F	ST	CH	PH	
44008	3F	CAMPRO-2	GEN2		4	T	76.0 × 1.2 × 2.85	BF	ST	CH	PH	
						2	76.0 × 1.2 × 3.1	TF	FC	PH	PH	
						O	76.0 × 2.0 × 2.5	3F	ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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RENAULT

50027	3F	D4D	Clio 1.0L 16V	1,000	4	T	69.0 × 1.2 × 2.4	BF	ST	NT	NT	
						2	69.0 × 1.5 × 2.8	TF	FC	PH	PH	
						O	69.0 × 2.5 × 2.55	3F	ST	CH	PH	
50028	3F	D7D	Clio 1.0L 8V	1,000	4	T	69.0 × 1.5 × 2.7	BF BT	ST	CH	FE	
						2	69.0 × 1.5 × 2.8	TF	FC	PH	PH	
						O	69.0 × 2.5 × 2.55	3F	ST	CH	PH	
50081 1cyl/set	2FAC DIESEL	M 733 AT				T	76.0 × 2.0 × 2.75	BF	ST	CH	FE	
						2	76.0 × 2.0 × 3.2	TF SP	FC	PH	PH	
						O	76.0 × 2.5 × 2.8	2F	ST	NT	NT	
50064	3F	K7M	Logan,Kangoo,Megane,Modus	1,598	4	T	79.5 × 1.5 × 3.3	BF BT	FD	CH	PH	GOE# 0810420000
						2	79.5 × 1.5 × 3.3	TF SP	FC	PH	PH	
						O	79.5 × 2.5 × 2.9	3F	ST	CH	PH	
50065	3F	RENAULT 79.5			4	T	79.5 × 1.5 × 3.1	BF	ST	CH	FE	7701474857
						2	79.5 × 1.5 × 3.3	TF SP	FC	PH	PH	
						O	79.5 × 2.5 × 2.9	3F	ST	CH	PH	
50107 1cyl/set	2F DIESEL	MIDR/D2066 06.20.45 MIPR,MIDS,MIPS	RENAULT TRUCKS MAN			T	120.0 × 3.306 × 5.0	K BF	FD	CH	PH	M # 209 22 V0 5010295586
						2	120.0 × 3.0 × 4.9	BF BT	FC	CH	PH	
						O	120.0 × 4.0 × 4.5	2F	ST	NT	NT	
50109 1cyl/set	2FAC DIESEL	MIDR 135mm 06.35.41	RENAULT TRUCKS AE380/385ti/420ti CBH380/385 CBH320/340/350			T	135.0 × 3.816 × 5.45	K BF	FD	CH	PH	5001014518 M # 209 53 N0
						2	135.0 × 3.0 × 5.5	TF	FC	CH	PH	
						O	135.0 × 4.0 × 4.55	2F	ST	CH	FE	

SKODA

50114	3F	CBZA 1.2L CBZB 1.2L	Audi 1.2L, Seat 1.2L Volkswagen 1.2L		4	T	71.0 × 1.2 × 2.5	BF	ST	NT	NT	SM# 795012-00-4 KS# 800114111000 M# 028RS001300N0
						2	71.0 × 1.2 × 3.0	TF	FC	CH	PH	
						O	71.0 × 2.0 × 2.35	3F	ST	NT	PH	
50066	2F	SKODA 81	SKODA Octavia AVU,BFQ,AQY,APK,AEG,AZH,AZJ VW Caddy, Passat, Golf, Polo Audi, Quattro, BSF		4	T	81.0 × 1.0 × 2.7	BF	ST	NT	NT	06B198151A
						2	81.0 × 1.2 × 3.3	TF SP	FC	PH	PH	
						O	81.0 × 2.0 × 2.0	2F	ST	NT	NT	

SSANGYONG

50079	2F DIESEL	D20DT			4	T	86.2 × 2.444 × 3.3	K BF	FD	CH	PH	6650300524
						2	86.2 × 2.0 × 3.35	TF BT	FC	CH	PH	
						O	86.2 × 3.0 × 3.35	2F	ST	NT	NT	
50050	2F	MUSSO	602 SOHC/DOHC NEW KORANDO ISTANA		5	T	89.0 × 2.5 × 3.55	BF	ST	CH	FE	
						2	89.0 × 2.0 × 3.7	TF	FC	PH	PH	
						O	89.0 × 3.0 × 3.55	2F	ST	NT	NT	

OTHERS

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
50135 1cyl/set	3F	BLG, BMY BWK, CAVA, CTHA CAVA BWK, CTHA CAVA, CTHB, CAVC, CTHC CAVD CAVA, CNWA, CTHD, CTKA CAVA, CNWA, CTKA, CTHD CAVA, CTHD CAVE CNWA	Touran(1T1, 1T2)1.4 TSI		1,390	4	T	76.5 × 1.2 × 2.8	BF	ST	NT NT	NE# 120 050 0003
			Jetta III (1K2) 1,4 TSI				2	76.5 × 1.5 × 3.2	TF	FC	PH PH	
			Golf V Variant(1K5) 1.4 TSI				O	76.5 × 2.0 × 2.5	3F	ST	NT NT	
			Golf V (1K1)1.4 TSI									
			Golf Plus (5M1, 521)1.4 TSI									
			TIGUAN(5N) 1.4 TSI									
			SHARAN(7N) 1.4 TSI									
			JETTA IV (162) 1.4 TSI									
			Touran(1T1, 1T2)1.4 TSI									
			Golf Plus (5M1, 521)1.4 TSI									
			BEETLE(5C1) 1.4 TSI									
			BEETLE Cariet(5C7) 1.4 TSI									
			GOLF V Variant(1K5) 1.4 TSI									
			Golf VI (5K1)1.4 TSI									
			Golf VI Cabriole(517) 1.4 TSI									
			Golf VI Variant(AJ5) 1.4 TSI									
			CCIROCCO(137) 1.4 TSI									
			EOS(1F7, 1F8) 1.4 TSI									
			Jetta III (1K2) 1,4 TSI									
			JETTA IV (162) 1.4 TSI									
			TIGUAN(5N) 1.4 TSI									
			POLO(6R) 1.4 GTI									
			Golf Plus (5M1, 521)1.4 TSI									
50055	2F DIESEL	VW DIESEL				4	T	76.5 × 1.75 × 3.2	BF BT	FD	CH PH	
							2	76.5 × 2.0 × 3.1	TF BB	FC	PH PH	
							O	76.5 × 3.0 × 3.45	2F	ST	NT NT	
50074 1cyl/set	3F	VW 1.4					T	76.5 × 1.2 × 2.9	BF	ST	NT NT	
							2	76.5 × 1.5 × 3.2	TF SP	FC	PH PH	
							O	76.5 × 2.5 × 2.75	3F	ST	CH PH	
50108 1cyl/set	2F DIESEL	GOLF 1.6L Diesel AUDIVOLVO/VW	GOLF 1.6L Diesel		1,600		T	76.5 × 1.75 × 3.1	BF	FD	CH PH	M # 029 55 N3
			Passat 1.6 D				2	76.5 × 2.0 × 3.1	TF BB	FC	PH PH	069 198 151
			Santana1.6 D, T3 1.6 D				O	76.5 × 3.0 × 3.45	2F	ST	NT NT	271 356
50118	3F	CFNA			1,600	4	T	76.5 × 1.2 × 2.9	BF	ST	NT NT	03C198151A
							2	76.5 × 1.2 × 3.0	TF SP	FC	PH PH	
							O	76.5 × 2.0 × 2.5	3F	ST	NT NT	
50003	3F	PASSAT 79.5				4	T	79.5 × 1.75 × 3.25	BF	ST	CH FE	
							2	79.5 × 2.0 × 3.3	TF	FC	PH PH	
							O	79.5 × 4.0 × 3.25	3F	ST	CH PH	
50061 1cyl/set	2F	VW 79.5	(ENG) AMF,ATL,BAY,		1,422	3	T	79.5 × 1.75 × 2.8	BF	FD	CH PH	NE# 8950480000
			1X,1Y,1Z,AAZ,ABL,AEY,		1,896	4	2	79.5 × 2.0 × 3.3	TF	FC	PH PH	
			AEF,AGD,AGP,				O	79.5 × 3.0 × 3.55	2F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
50111 1cyl/set	2F	VENTO1.9 D DIESEL	PASSAT1.9D		4		T	79.5 × 1.75 × 3.25	BF			ST	CH	FE	G #08-990105-00
			POLO1.9D				2	79.5 × 2.0 × 3.3	TF			FC	PH	PH	
							O	79.5 × 3.0 × 3.6	2F			ST	NT	NT	
50017	2F	VW AUDI 81			4		T	81.0 × 1.50 × 3.25	BF			ST	CH	FE	
							2	81.0 × 1.75 × 3.3	TF SP			FC	PH	PH	
							O	81.0 × 2.0 × 2.65	2F			ST	NT	NT	
50073 1cyl/set	3F	AUDI 81			1		T	81.0 × 1.2 × 2.9	BF			ST	NT	NT	
							2	81.0 × 1.5 × 3.3	TF SP			FC	PH	PH	
							O	81.0 × 2.0 × 2.75	3F			ST	NT	NT	
50075 1cyl/set	3F	AHL, ALZ, ANA, ARM, AVU AYD, BFQ, BFS, BGU BSE, BSF	Bora, Golf, Jetta, Caddy, Passat	1,595	1		T	81.0 × 1.0 × 2.7	BF			ST	NT	NT	NE# 895085000
		Touran, New Beetle 1.6		2			81.0 × 1.2 × 3.3	TF SP			FC	PH	PH		
				O			81.0 × 2.0 × 2.75	3F			ST	NT	NT		
50099 1cyl/set	3F	SANTANA VW1600/1800	GOLF I		4		T	81.0 × 1.5 × 3.4	BF			FD	CH	PH	RRK83016A
			GOLF II				2	81.0 × 1.75 × 3.5	TF SP			FC	PH	PH	
			TRANSPORTER T3				O	81.0 × 3.0 × 2.95	3F			ST	CH	PH	
50100 1cyl/set	2F	VENTO DIESEL	TRANSPORTER T4		4		T	81.0 × 1.75 × 3.25	BF			FD	CH	PH	
							2	81.0 × 2.0 × 3.25	TF			FC	PH	PH	
							O	81.0 × 3.0 × 3.6	2F			ST	NT	NT	
50018	2F	VW 2.8L			6		T	82.5 × 1.2 × 3.05	BF			ST	CH	FE	
							2	82.5 × 1.5 × 3.3	TF			FC	PH	PH	
							O	82.5 × 2.0 × 2.75	2F			ST	NT	NT	
50025 1cyl/set	2F	VW 2.8L-1	FOR 4CYL/ENG		4		T	82.5 × 1.2 × 3.05	BF			ST	CH	FE	
			FOR 6CYL/ENG		6		2	82.5 × 1.5 × 3.3	TF			FC	PH	PH	
					O		82.5 × 2.0 × 2.75	2F			ST	NT	NT		
50101 1cyl/set	3F	LT35	TRANSPORTER T5	1,984	4		T	82.5 × 1.2 × 3.15	BF BT			ST	NT	NT	NE No.8950522500
							2	82.5 × 1.5 × 3.45	TF BT			FC	PH	PH	
							O	82.5 × 2.0 × 2.8	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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COMPRESSOR

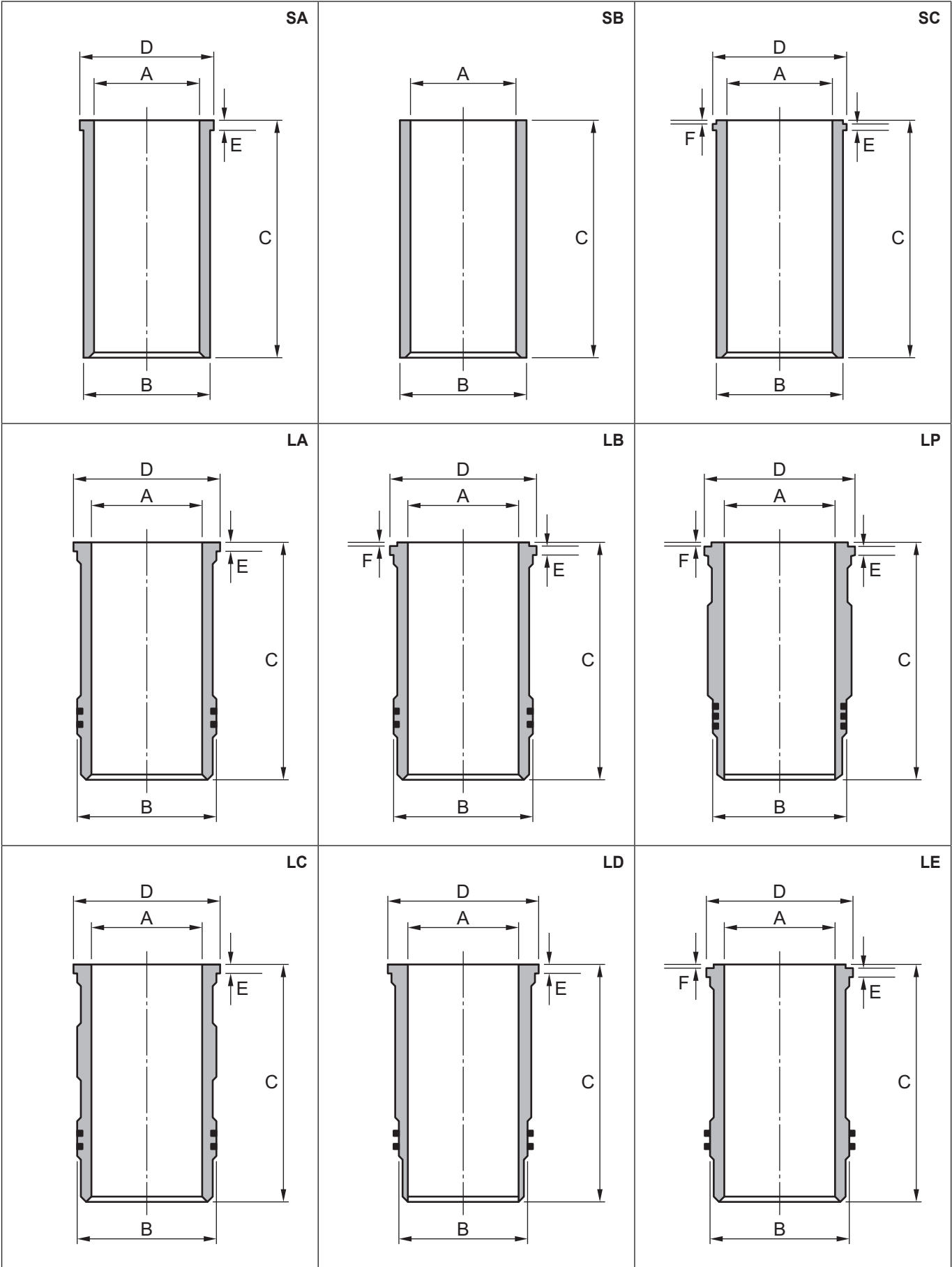
80001 1cyl/set	3F	A/C 70				1	T	70.0 × 3.0 × 3.0	TF	FC	PH PH	
							2	70.0 × 3.0 × 3.0	TF	FC	PH PH	
							O	70.0 × 4.0 × 2.9	3F	ST	CH PH	
80013 1cyl/set	2F	6BG1				1	T	70.0 × 1.5 × 3.0	BF BT	FC	CH PH	
							2	70.0 × 1.5 × 3.0	TF SP	FC	CH PH	
							O	70.0 × 3.0 × 2.0	2F	ST	NT NT	
							O	70.0 × 3.0 × 2.0	2F	ST	NT NT	
80002 1cyl/set	1F	EH100 A/C				1	T	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							2	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							3	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							O	70.0 × 4.0 × 3.0	1F	FC	PH PH	
80007 1cyl/set	1F	H07C A/C				1	T	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							2	70.0 × 2.5 × 3.0	TF SP	FC	PH PH	
							3	70.0 × 2.5 × 3.0	TF SP	FC	PH PH	
							O	70.0 × 4.0 × 3.0	1F	FC	PH PH	
80015 1cyl/set	3F	D6CA A/C				1	T	75.0 × 2.0 × 3.3	BF	FC	PH PH	
							2	75.0 × 2.0 × 3.1	TF SP	FC	PH PH	
							O	75.0 × 4.0 × 3.2	3F	ST	CH PH	
80003 1cyl/set	3F	6D16-4 A/C				1	T	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							2	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							3	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							O	80.0 × 4.0 × 3.45	3F	ST	NT PH	
80010 1cyl/set	3F	80A/C				1	T	80.0 × 2.5 × 3.3	BF BT	FC	PH PH	
							2	80.0 × 2.5 × 3.4	TF SP	FC	PH PH	
							O	80.0 × 4.0 × 3.15	3F	ST	CH PH	
80004 1cyl/set	1F	RD8				1	T	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							2	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							3	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							O	80.0 × 4.0 × 3.2	1F	FC	PH PH	
80012 1cyl/set	3F	CK12/SANWA				1	T	85.0 × 3.0 × 3.5	TF	FC	PH PH	
							2	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							3	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							O	85.0 × 4.0 × 3.2	3F	ST	CH PH	
80016 1cyl/set	2F	D6CB A/C				1	T	85.0 × 2.0 × 3.7	TF SP	FC	PH PH	
							2	85.0 × 2.0 × 3.7	TF SP	FC	PH PH	
							O	85.0 × 4.0 × 4.3	2F	ST	NT NT	
80005 1cyl/set	3F	8DC9-4 A/C				1	T	85.0 × 3.0 × 3.5	TF	FC	PH PH	
							2	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							3	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							O	85.0 × 4.0 × 3.45	3F	ST	CH PH	

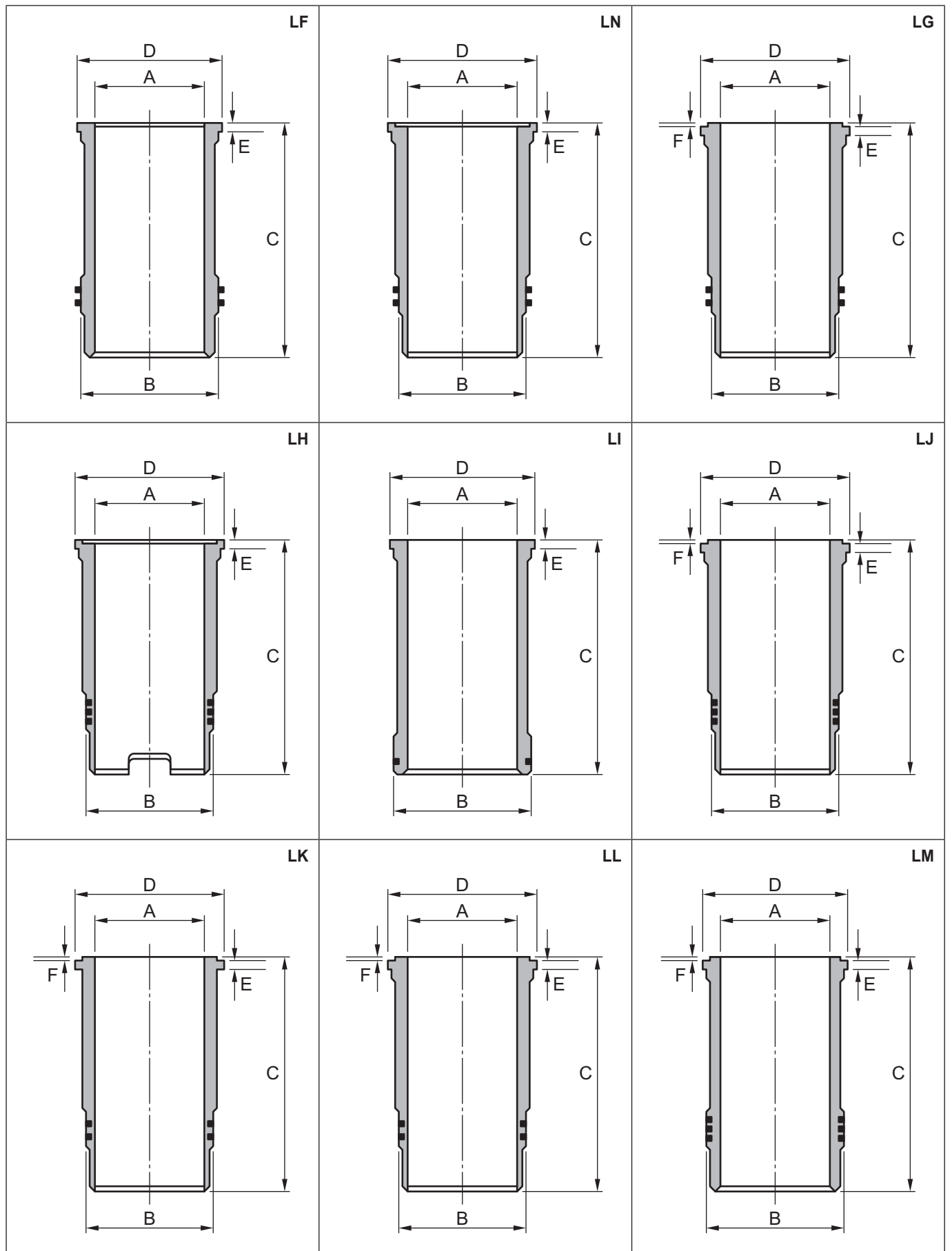
TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
80014 1cyl/set	2F	FE6T				1	T	85.0 × 2.0 × 3.7	BF	BT		FC	CH	PH	
							2	85.0 × 2.0 × 3.7	TF	SP		FC	CH	PH	
							O	85.0 × 4.0 × 2.4	1F			ST	NT	NT	
							O	85.0 × 4.0 × 2.4	2F			ST	NT	NT	
80011 1cyl/set	1F	88 A/C				1	T	88.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							2	88.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							O	88.0 × 4.0 × 3.6	1F			FC	PH	PH	
80017 1cyl/set	2F	FAW				1	T	90.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							2	90.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							O	90.0 × 5.0 × 3.2	2F			ST	NT	NT	
80018 1cyl/set	2F	OM400/420	MB OM400/420/440 MAN D28			1	T	90.0 × 2.5 × 3.7	TF	BT		FC	PH	PH	G # 08-176300-00
							2	90.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	
							3	90.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	
							O	90.0 × 4.0 × 4.1	2F			FC	PH	PH	
80006 1cyl/set	3F	RF8				1	T	95.0 × 2.5 × 4.2	BF			FC	CH	PH	
							2	95.0 × 2.5 × 4.2	TF	SP		FC	PH	PH	
							3	95.0 × 2.5 × 4.2	TF	SP		FC	PH	PH	
							O	95.0 × 4.0 × 3.2	3F			ST	NT	PH	
80052 1cyl/set	1F	Surely 115				1	T	115.0 × 3.0 × 4.8	BF			FC	CH	PH	
							2	115.0 × 3.0 × 4.8	TF	SP		FC	PH	PH	
							O	115.0 × 4.0 × 4.7	1F			FC	CH	PH	
80019 1cyl/set	1F	MYCOM 8B/62B				1	T	130.0 × 4.0 × 5.2	BF			FC	CH	PH	
							2	130.0 × 4.0 × 5.2	TF	SP		FC	PH	PH	
							O	130.0 × 4.0 × 5.2	1F			FC	CH	PH	
							O	130.0 × 6.0 × 5.2	1F			FC	CH	PH	
80051 1cyl/set	1F	Surely 132				1	T	135.0 × 3.0 × 5.4	BF			FC	CH	PH	
							2	135.0 × 3.0 × 5.4	TF	SP		FC	PH	PH	
							O	135.0 × 4.5 × 5.4	1F			FC	CH	PH	
							O	135.0 × 4.5 × 5.4	1F			FC	CH	PH	

[illegible]

CYLINDER LINERS

Liner Type Diagrams





⌂ No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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DAIHATSU

0101S	K03-087068	DG	11461-87302	2,530	SEMI	4	4	SC	87.6	93	182	97	3
0102S	K03-087069	DG	11461-87304	2,530	SEMI	4	4	SC	87.6	96	182	101	3
0103S	K03-097158	DL	11461-87303	2,530	SEMI	4	4	SC	91.6	96	182	101	3
0104S	K03-097072	DL(NEW)	11461-87305	2,530	SEMI	4	4	SC	91.6	96	178	101	3

HINO

0201F	K03-097014	DM100	11467-1330/1440	4,313		6	6	LB	90	104.5	198.5	110	9
0202F	K03-097025	EC100	2-380-1930-10 11467-1130(A)	5,010		6	6	LB	97	110.5	206	117	10
0203F	K03-107202	W04,06D	11467-1761/1791 11461-1680A	4,009		4	4	SC	104	107	201	112	8
0232F	K03-107230	W06D	11467-1761/1791 11461-1680A			6	6	SC	104	107	201	112	8
0271F	K03-107253	N04C-TL	S1146-71762 11462-E0170			4	4	SA	104	107	200	112	8
0216F	K03-107066	EH100	11467-1030/1040	5,871		6	6	SC	105	110	206	115	8
0204F	K03-107020	DS70/90	11461-1260A	7,041		6	6	LK	105	122	261	130	10.1
0213F	K03-107205	H06CT	11467-1591/1621	6,485		6	6	SC	108	113	204	118	8
0205F	K03-117007	DS50	11461-1230A	7,982		6	6	LB	110	124.5	266	131	10.1
0206F	K03-117126	EH700	11467-1200/1230	6,443		6	6	SC	110	113	204	118	8
0240F	K03-117191	J08E/J05E	11467-3200B/10B/20B S1146-3200/10/20			6	6	SA	112	117	203	122	8
0241F	K03-117194	J08E-2-P	11463-E0500			6	6	SA	112	117	203	122	3
0267F	K03-117242	J08E-3 J08E-TL	11461-E0100-C 11462-E0080			6	6	SA	112	117	203	122	3
0221F	K03-117155	J08C	11467-2601/2611/2621			6	6	SA	114	117	203	122	8
0222F	K03-117171	J08C-2				6	6	SC	114	117	204	122	8
0236F	K03-117189	J08C-3	11462-E0090 11463-E0060 11464-E0060			6	6	SA	114	117	203	122	3
0275F	K03-117246	YJ75 S05D	11467-2941A/2961A 11461-78090/78110			4	4	SA	114	117	186.5	122	8
0207F	K03-117035	EB100,200	11467-1390	9,036		2	6	LB	115	131.5	278	139	11.1
0208F	K03-117074	EL100	11461-1360/1640	7,862		2	6	LG	116	129	222.8	138	9
0210F	K03-127047	EB400	11467-1180	9,838		6	6	LB	120	136	287.3	143	11.1
0209F	K03-127010	DK10A	11467-1380/1540	10,178		6	6	LB	120	138	291.5	145	11.1
0231F	K03-127091	P11C	11467-2390/400/410 11467-2710/20/30 11467-3130/40/50	10,520		6	6	SC	122	127	229	134	8

TP No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0233F	K03-127095	P11C-2	11461-E0020-A			6	6	SA	122	127	228	134	8
0227F	K03-127088	EM100	11467-1661/62/71/72A	9,419		6	6	SC	124	129.1	236	134	8
0228F	K03-127089	M10-U	11467-2000A/10A/20A/30A	9,880		6	6	SC	127	130.3	236	135.2	8
0238F	K03-137133	K13C	11467-2641A	12,882		2	6	LG	135	153	267	164	12
0211F	K03-137042	EK100 K13D	11467-1080/1650 11467-1910	13,267		2	6	LG	137	153	266.8	164	12.12
0212F	K03-137048	EF700,750	11467-1081C/1091B/1480B/1900	16,745		2	8	LG	137	153	247.8	165	12.1
0273F	K03-137170	E13C-TL	11462-E0030 11463-E0030 11464-E0030	12,913		6	6	SC	137	142	251	149.6	5
0237F	K03-137131	F17C	11467-1702A	16,745		2	8	LG	139	154	247.8	166	12
0234F	K03-137132	V22C	11467-2130	21,548		2	10	LG	139	156	247.8	167	12.1
0223F	K03-147039	F20C,V25C	11467-2280B/290B/300B 11467-2490A/500A/510A	19,688		4	8	SC	146	152	244.6	159	8
0235F	K03-147044	F20CE	11467-2680A 11467-2690A 11467-2690A	19,688		2	8	SC	146	154	244.6	161	8.5
0224F	K03-157027	F21C,V26C	11467-2650A/60A/70A 11467-3030A/40A/50A			4	8	SC	150	154	244.6	161	8.5

ISUZU

0301F	K03-107098	DA120A	11261-301	6,126		6	6	LF	100	113	220	116	10
0302F	K03-107099	DA120B	11261-287	6,126		6	6	LF	100	113	220	119	8
0304F	K03-107101	DA640B	11261-293	6,373		6	6	LN	102	113	220	119	8
0305F	K03-107102	DA640C	11261-288	6,373		6	6	LN	102	113	228	119	8
0315F	K03-117130	4HE1T	8-97176-7230/40/50/60 8-97176-7231/41/51/61	4,751		4	4	SA	110	115	210	120.7	6
0316F	K03-117131	6HE1	8-94396-3320	7,127		6	6	SA	110	113	210	119.7	6
0306F	K03-117089	4HF1	8-97144-1741/1742 8-97176-7270/7271 8-97176-7280/7281	4,334		4	4	SA	112	115	180	120.7	6
0328F	K03-117167	4HF1-2	8-97144-1740			4	4	SA	112	115	180	121.7	6
0317F	K03-117129	6HH1D 6HK-1	8-94391-6020/30 8-94391-6021/31 8-94393-2731/32	8,226		6	6	SA	115	118	210	123.7	6
0324F	K03-117150	4HJ1	8-94391-6020/30 8-94391-6021/31 8-94393-2731/32	4,751		4	4	SA	115	118	210	123.7	6
0322F	K03-117148	4HG1	8-97144-178	4,751		4	4	SA	115	118	180	123.7	6
0307F	K03-117053	PA/PB1	1-11261-063/064			2	10	LG	115	130	219.25	141.7	10
0308F	K03-117082	10PC1	1-11261-076-1	15,014		2	10	LG	119	133	219.25	143.7	10

TF No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0309F	K03-117085	10PC1-TF	1-11261-147	15,014		2	10	LG	119	133	219.25	143.7	10
0310F	K03-117088	10PD1	1-11261-161-2	10,179	CR	2	10	LG	119	133	234.25	143.7	10
0323F	K03-117149	10PD1-2	1-11261-161-2	10,179		2	10	LG	119	133	234.25	143.7	10
0332F	K03-127094	6UZ1	8-98105-8790 8-98112-2300/30			6	6	SC	120	122.5	239.2	129.7	6
0311F	K03-127009	DH100	11261-241/270	10,179		6	6	LA	120	134	280	141	11
0312F	K03-127066	6SD1	1-11261-106-2 1-11261-2980/2990/3000/3010	9,839		6	6	SC	120	123	239.2	129.7	6
0345F	K03-117215	6SD1MTC	111261-2140 111261-2150 111261-2160 111261-2170			6	6	SC	117.9	123	239.2	129.7	6
0346F	K03-117214	6SD1MTCX	111261-2280 111261-2290 111261-2300 111261-2310		GT	6	6	SC	117.9	123	239.2	129.7	6
0313F	K03-127011	D920	11261-227/229	9,203		6	6	LC	125	140	256.2	146.5	11
0314F	K03-127012	E110	11261-228	9,203		6	6	LC	125	140	281.2	146.5	11
0327F	K03-127085	10PE1	1-11261-175/286/287/372/373			2	10	SA	127	130.6	233	136.6	6
0347F	K03-137155	6WA1	1-11261-362-1 1-11261-363-1	12,068		6	6	SA	132.9	137	265.5	143.7	6
0357F	K03-137169	6RA1 6RB1	1-11261-204-0 1-11261-208-0 1-11261-133-0	13,741		6	6	SA	135	141	264	146.7	6
0335F	K03-147045	6WG1TC	1-11261-379-2/380-2			2	6	SC	147	151.6	267	158.2	6
0330F	K03-157026	10TD1	1-11261-183-0			2	10	SC	158	163	270.05	170.7	6
0348F	K03-117223	4HL	8-98014-042-0 8-98014-043-0 8-97600-240-2 8-97600-241-2			4	4	SA	115	118	183	123.7	6
0363F	K03-167015	6RF1	111261 3940 111261 3950			2	6	SC	161	166	270.05	173.7	6

MAZDA

0402S	K03-097120	HA(NEW)	SE01-23-051	2,977	SEMI	4	4	SC	94.5	98.5	189	103.5	3.8
0401F	K03-097071	HA(NEW)	SE01-23-051	2,977		4	4	SC	95	98.5	189	103.5	3.8
0403F	K03-107207	SL	SL01-23-311	3,455		4	4	SC	100	103.5	193.5	108	2.5
0405F	K03-107221	TF	TFY0-10-311/313	4,021		4	4	SC	105.5	108.95	200	114.5	6.1
0404F	K03-107220	TM	TMYO-10-311/313	4,553		4	4	SC	109.02	112.5	202.5	118	6

TF No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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MITSUBISHI

0501S	K03-097091	4D5 STD	MD050243/050430	2,346	SEMI	4	4	SB	90.1	94.1	164.5		
0502S	K03-097098	4D5 0.5 O/S	MD050431 0.5 O/S	2,346	SEMI	4	4	SB	90.1	94.6	164.5		
0503S	K03-097089	4D56 STD	MD168963	2,346	SEMI	4	4	SB	90.1	94.1	167		
0504S	K03-097099	4D56 0.5 O/S	MD168964 0.5 O/S	2,346	SEMI	4	4	SB	90.1	94.6	167		
0590S	K03-097149	4D56 2.0 O/S	MD103648 2.0 O/S	2,346	SEMI	4	4	SB	90.1	96.1	167		
0565S	K03-097167	4D56 3.0 O/S	ORIGINAL 3.0 O/S	2,346	SEMI	4	4	SB	90.1	97.1	167		
0505S	K03-097109	4DR5 STD	31607-02202 ME001337	2,659	SEMI	4	4	SB	91	95	176		
0506S	K03-097110	4DR5 0.5 O/S	31607-02301 0.5 O/S	2,659	SEMI	4	4	SB	91	95.5	176		
0507S	K03-097079	4DR5 2.0 O/S	2.0 O/S	2,659	SEMI	4	4	SB	91	97	176		
0566S	K03-097169	4DR5 3.0 O/S	3.0 O/S	2,659	SEMI	4	4	SB	91	98	176		
0591S	K03-097148	4M40	Original	2,835	SEMI	4	4	SB	94.3	98.5	192		
0567S	K03-097170	4M40 0.5 O/S	Original 0.5 O/S	2,835	SEMI	4	4	SB	94.3	99	192		
0546F	K03-097011	6DS1(NEW)	ME020306	4,678		6	6	LB	95	108	191.2	115	10
0508F	K03-097026	6DS7(OLD)	ME024161 ME021843/44 ME021162,ME023700	5,430		6	6	LL	98	110	201.2	117	10
0509F	K03-097049	6DS7(NEW)	ME029081 ME029180	5,430		6	6	LL	98	110	206.2	117	10
0510S	K02-100036	4D30 STD	ME011513 ME011528/29	3,298	SEMI	4	4	SB	99	104	196.5		
0511S	K02-100040	4D30 0.5 O/S	ME011523 0.5 O/S	3,298	SEMI	4	4	SB	99	104.5	196.5		
0512S	K03-107136	4D31T	ME011604 ME011625/26	3,298	SEMI	4	4	SB	99	104	191.5		
0537S	K03-107228	6D31	ME011604		SEMI	6	6	SB	99	104	191.5		
0513S	K03-107171	4D32	ME012900	3,567	SEMI	4	4	SB	103	107	192		
0514S	K03-107190	4D32 STD	ME017360	3,567	SEMI	4	4	SB	103	108	191		
0515S	K03-107191	4D32 0.5 O/S	ME017361 0.5 O/S	3,567	SEMI	4	4	SB	103	108.5	191		
0568S	K03-107246	4D32 2.0 O/S	ORIGINAL 2.0 O/S	3,567	SEMI	4	4	SB	103	110	191		
0516S	K03-107155	4D34 STD	ME013366	3,907	SEMI	4	4	SB	103	108	197.5		
0517S	K03-107177	4D34 0.5 O/S	ME013367 0.5 O/S	3,907	SEMI	4	4	SB	103	108.5	197.5		
0533S	K03-107229	6D34	ME013366		SEMI	6	6	SB	103	108	197.5		
0518F	K03-107104	6D10	ME031502/4	5,974		6	6	LE	105	119	205.8	126	10
0519F	K03-107105	6D11	ME031039 ME031505/07	6,754		6	6	LE	105	119	228.3	126	10
0520S	K03-107192	4D33	ME014660	4,214	SEMI	4	4	SB	107	111.3	197.5		
0575S	K03-107211	4D33 0.5 O/S	ME014661 0.5 O/S	4,214	SEMI	4	4	SB	107	111.8	197.5		
0569S	K03-117226	4D35	ME997120		SEMI	4	4	SB	109	114	198		
0522F	K03-117060	6D14	ME031617 ME031453/071174	6,557		2	6	LG	110	122	206	131	10

TP No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0523F	K03-117076	6D14T	ME071175 ME071199	6,557		2	6	LG	110	122	211	131	10
0521F	K03-117015	6DB	ME040040	8,553		2	6	LA	110	125	270	135	11.8
0524F	K03-117057	6D15	ME031654	6,919		6	6	LJ	113	125	206	133	10
0525F	K03-117072	6D15A	ME071041/42~44	6,919		6	6	LJ	113	125	206	133	10
0526F	K03-117078	6D15T	ME071062/63/64	6,919		6	6	LB	113	125	211	133	10
0527F	K03-117086	6D15T2	ME071086/87~92	6,919		6	6	SC	113	117	206	125	8
0594F	K03-117162	4M50T	ME221680/81~84 ME240319~322			4	4	SC	114	118	199.1	124	6
0564S	K03-117224	4M51	ORIGINAL		SEMI	4	4	SB	117.5	122	208		
0528F	K03-117080	6D16	ME071224/25~30	7,545		6	6	SA	118	122	204.5	128	8
0529F	K03-117092	6D16T	ME041102~7	7,545		6	6	SC	118	122	206	128	8
0543F	K03-117132	6D17	ME071537/38~43	7,545		6	6	SA	118	122	209	128	8
0595F	K03-117163	6M60T	ME302321/22~27 ME071936/37~42	7,545		6	6	SC	118	122	210.5	128	8
0530F	K03-127042	6D20	ME051157~9	10,308		2	6	LJ	125	143	261.3	153	11.5
0531F	K03-137056	6D22	ME051219/20~22	11,149		2	6	LP	130	147	261.75	156	11.5
0532F	K03-137069	6D22 NEW	ME051500/01~03 ME051633	11,149		2	6	LJ	130	147	261.75	156	11.5
0535F	K03-137032	DC2,4,7 OLD	31207-43402/202	13,273		2	8	LJ	130	147	229.3	157	11.8
0534F	K03-137025	8DC-4,7	31207-72603/503	13,273		2	8	LJ	130	147	229.3	157	11.8
0552F	K03-137141	8DC82	ME352249/50~52 ME092183/84~86	14,886		2	8	LM	135	154	229.7	163	11.8
0553F	K03-137142	8DC91	ME352233/34~6 ME092187/88~90	16,031		2	8	LM	135	154	259.7	163	11.8
0554F	K03-137143	8DC9T-2	ME352241		CR	2	8	LM	135	154	259.7	163	11.8
0562F	K03-137153	6D40	ME120025~ME120030	13,023		6	6	SC	135	140	260.3	149	9
0563F	K03-137154	6M7	ME180960~ME180965	13,023		6	6	SC	135	140	260.6	149	9
0555F	K03-137144	8DC10	ME062783/856~858 ME352225		CR	2	8	LL	138	154	259.7	163	11.8
0556F	K03-137145	8DC10-2	ME062783/856~858 ME352225	16,752		2	8	LJ	138	154	259.7	163	11.8
0557F	K03-147049	8DC11	ME060439/40~42 ME352229	16,752	CR	2	8	LG	142	153	259.7	163	15.0
0558F	K03-147050	8DC11-2	ME060439/40~42 ME352229	16,752		2	8	LG	142	153	259.7	163	15
0561F	K03-147057	8M22T	ME353321~23		CR	2	8	LB	142	169	257.3	178	11.8
0559F	K03-147051	8M20-3	ME356657/58~60			2	8	LB	146	169	258.3	178	11.8
0536F	K03-147041	8M20-NEW	ME352218~21			2	8	LC	146	169	258.3	178	11.8
0560F	K03-157030	8M21-2	ME352199/200~202			2	8	LB	150	169	258.3	178	11.8

TP No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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NISSAN

0603S	K03-087062	SD25	11012-L2004	2,488	SEMI	4	4	SA	88.5	92	172	98	5
0602F	K03-087044	SD23	11012-L2002	2,289		4	4	SA	89	92	172	98	5
0605F	K03-087063	TD23 FINISH	11012-O2N17	2,289		4	4	SA	89	92	160	98	5
0606S	K03-097092	BD25/TD25 SEMI	11012-87G40 11012-44G40	2,494	SEMI	4	4	SA	92.4	95.9	160	101.9	5
0607F	K03-097093	BD25/TD25	11012-87G00 11012-44G10	2,494		4	4	SA	92.9	95.9	160	101.9	5
0642S	K03-097136	BD30 SEMI	11012-54T40		SEMI	4	4	SA	95.5	99	172.5	105	5
0623F	K03-097135	BD30	11012-54T00			4	4	SA	96	99	172.5	105	5
0608S	K03-097094	TD27 SEMI	11012-2S040 11012-43G10	2,633	SEMI	4	4	SA	95.5	99	160	105	5
0609F	K03-097095	TD27	11012-2S000	2,633		4	4	SA	96	99	160	105	5
0610S	K03-097131	TD42 SEMI	11012-06J45	4,169	SEMI	6	6	SA	95.5	99	164	105	5
0611F	K03-097132	TD42	11012-06J00	4,169		6	6	SA	96	99	164	105	5
0612F	K03-107200	FD6	11012-Z5573	5,654	CR	6	6	LJ	100	112	212	118	8
0646F	K03-107231	FD42	11012-0T000/1			4	4	SC	108	111	198	116	8
0613F	K03-107176	FE6	11012-Z5518/9	7,000		6	6	SC	108	111	220	116	8
0614F	K03-107187	FE6TA	11012-Z5604 11012-Z5605	7,000		6	6	SC	108	111	217	116	8
0615F	K03-107188	FE6T A500FE	11012-Z5616 11012-Z5617	7,000		6	6	SC	108	111	212	116	8
0645F	K03-117169	ND6	11012-95065	6,842		6	6	SC	110	115	229	121	3
0669F	K03-117227	NE6	11012-95005/6			6	6	SC	110	115	229	119	3
0726F	K03-117229	NE6TA				6	6	SC	110	115	229	121	3
0660F	K03-107241	FD46	11012-0T300 11012-0T301 11012-Z5616 11012-Z5617			4	4	SC	108	111	212	116	8
0647F	K03-127098	MD92TCI	11012-Z6008/9			6	6	SC	125	129	200.7	135	8
0648F	K03-127099	MD92	11012-Z6004/5 11012-Z6012/13/16/17			6	6	SC	125	129	205.7	135	8
0616F	K03-127032	PD	11012-96000 11012-96001	10,308		6	6	SC	125	130	259	134	3
0617F	K03-137016	PE PE6	11012-96500 11012-96501	11,670		6	6	SC	133	138	259	142	3
0643F	K03-137114	PE	11012-96502/3	11,670		6	6	SC	133	138	259	142	3
0618F	K03-137092	PF,PE6T	11012-96575 11012-96576	12,000		6	6	SC	133	138	259	144	3
0619F	K03-137022	RD	11012-97009	14,313		2	8	LJ	135	153	242.84	161	8.14
0621F	K03-137071	RD-8	11012-97165	14,313	CR	2	8	LJ	135	153	242.84	161	8.14
0620F	K03-137062	RD INN.GR.	11012-97062/77	14,313		2	8	LJ	135	153	242.84	161	8.14

TF No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0625F	K03-137103	RE8	11012-97202	15,000	CR	2	8	LJ	135	153	235.84	161	11.14
0650F	K03-137134	RE8-2	11012-97202	15,000		2	8	LJ	135	153	235.84	161	11.14
0644F	K03-137118	GE	11012-00Z11/13	13,000	CR	2	6	LJ	136	157.5	243.6	166.5	9.65
0651F	K03-137135	GE-2	11012-00Z11/13	13,000		2	6	LJ	136	157.5	243.6	166.5	9.65
0622F	K03-137102	RF8TA	11012-97200	16,991	CR	2	8	LJ	138	159	235.84	167	11.14
0649F	K03-137122	RF8TA-2	11012-97200	16,991		2	8	LJ	138	159	235.84	167	11.14
0661F	K03-137156	RF8TI	11012-97272~74			2	8	LJ	138	159	235.84	167	11.14
0631F	K03-147032	RG8	11012-97269	17,990	CR	2	8	LJ	142	159	235.84	167	11.14
0652F	K03-147046	RG8-2	11012-97269	17,990		2	8	LJ	142	159	235.84	167	11.14
0632F	K03-157021	RH8	11012-97261	21,205		2	8	SC	150	155	246.2	161	8

TOYOTA

0723S	K03-077027	2E	Original		SEMI	4	4	SB	71.5	77	138		
0721S	K03-087074	2C	Original	2,000	SEMI	4	4	SB	85.5	90	180		
0701S	K03-087064	1DZ	11461-78200/1-71	2,184	SEMI	4	4	SA	85.6	89	175	94	5
0702S	K03-087070	2J	11461-48011	3,576	SEMI	4	4/6	SC	87.6	93	183.7	98	2.5
0703S	K02-090071	L	11461-54010	2,188	SEMI	4	4	SC	89.6	94	160.5	101	3.5
0704S	K03-097121	2HK	11461-68010	3,980	SEMI	6	6	SC	90.6	95	183.7	101	2.5
0705S	K03-097087	2L	Original	2,446	SEMI	4	4	SA	91.6	96	160.5	101	3
0706F	K03-097122	2L	Original	2,446		4	4	SA	92	96	160.5	101	3
0708S	K03-097101	1HZ	Original	3,576	SEMI	6	6	SA	93	97	168	103	4
0709S	K03-097127	B	11461-56010	2,997	SEMI	4	4	SC	94.6	100	190.2	108	2.5
0710S	K03-097128	B	11461-56020	2,997	SEMI	4	4	SC	94.6	102	190.2	108	2.5
0711S	K03-097129	B	11461-56030	2,997	SEMI	4	4	SC	94.6	99	191.2	105	2.5
0712S	K03-097100	3L	Original	2,779	SEMI	4	4	SA	95	99	153	105	3
0713F	K03-097123	3L	Original	2,779		4	4	SA	96	99	153	105	3
0714S	K03-097105	1Z	11461-78300/3-71	2,977	SEMI	4	4	SA	95.6	100	182.5	106	8
0716S	K03-097104	2Z	11461-78700/1-71		SEMI	4	4	SA	97.6	101	181.5	107	5
0715S	K03-097130	2B	11461-57010	3,168	SEMI	4	4	SC	97.6	102	190.2	108	2.5
0727S	K03-097176	5L	11461-54120	2,985	SEMI	4	4	SB	98.7	103.5	190		
0722S	K03-107213	14B	11461-58040	3,660	SEMI	4	4	SB	101.5	106	192		
0717S	K03-107139	3B(OLD)	11461-58010	3,431	SEMI	4	4	SC	101.6	106	187.7	112	2.5
0718S	K03-107203	3B,13B	11461-58020	3,431	SEMI	4	4	SC	101.6	106	190.2	112	2.5
0720F	K03-107180	2D	11461-77040	6,494		6	6	LE	105	115.5	242	120	10
0719F	K03-107179	2D(NEW)	11461-77021	6,494		6	6	LE	105	115.5	233.3	121	10

MERCEDES

0804F	K03-137168	OM501LA	003 WN 38 01			6	6	LG	130	150.01	258	164.1	10.12
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TF No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
DOOSAN													
0801F	K03-107242	DB58				6	6	SA	102	106	204	111.8	4
0805F	K03-117232	D1146	65.01201-0050			6	6	SC	111	115	234	120	5
0802F	K03-127107	DOOSAN D2366	65.01201-0051			6	6	SA	123	127	269	133	8
0803F	K03-127108	DOOSAN DE12T	65.01201-0072A 150117-00046			6	6	SA	123	127	269	134	8

HYUNDAI

0809S	K03-107255	D4GA	21131-52910		SEMI	4	4	SB	102	107	207.65		
0807S	K03-107250	D4DD	21131-45900		SEMI	4	4	SB	103	109	198		
0806F	K03-107249	D6DA	0K87T-10311			6	6	SC	109	114	203	118	6
0808F	K03-117248	D6BR	21131-93010			6	6	SC	118	122	206	128	8

KIA

0810F	K03-097174	JS	0K65A-10311			4	4	SC	94.5	97.5	167.6	105	3.85
0811F	K03-097175	JT	0K75A-10311B			4	4	SC	98	101.5	166.4	107	2.5

[illegible]

NUMERICAL LISTING

(Reference No.)

Reference	Engine Model	TP No.	Page
005 26 NO	OM501LA	50092	119
0107-11-999	UA	33724	42
01218N0	Z10XEP	50113	119
0211-23-999	PC	33711	41
0222-23-130	UB,VB	33714	43
0222-23-206	UB,VB	33714	43
0249-23-170A	PB	33715	41
0249-23-206	PB	33715	41
0259-23-170A	PB	33715	41
0259-23-206	PB	33715	41
0268-23-170	PC	33711	41
0268-23-170A	PC	33711	41
0268-23-206	PC	33711	41
0271-23-206	PC	33711	41
0290-23-130	VB,NA	33719	42
0305-23-130	VB,NA	33719	42
0317-23-130	PC	33711	41
0317-23-175	PC	33711	41
0324-23-130	TC	33717	41
0324-23-175	TC	33717	41
03C198151A	CFNA	50118	122
04130-47010	3NR	36032	88
0453-23-130	VC	33728	43
0453-23-130B	VC	33728	43
0484-23-130	VB,NA	33719	42
0494-23-130	VB,NA	33719	42
0527-23-206	XB	33730	45
0527-23-206	ZB	43006	113
0528-23-206	XB	33730	45
0552-23-180	VA	33725	43
0552-23-190	VA	33725	43
0559-23-206	XA	33721	45
0559-23-207	XA	33721	45
0571-23-170	UA(NEW)	33726	42
0571-23-180	UA(NEW)	33726	42
0603-23-170A	UA	33724	42
0603-23-999	UA	33724	42
06-113500-00	PUMA	50053	117
0636-23-206	XA	33721	45
0636-23-207	XA	33721	45
0636-23-210	XA	33721	45
069 198 151	GOLF 1.6L Diesel	50108	122
06B198151A	SKODA 81	50066	121
0727-23-206	YA	33723	44

Reference	Engine Model	TP No.	Page
0727-23-207	YA	33723	44
0727-23-210	YA	33723	44
0728-23-206	YA	33723	44
0728-23-207	YA	33723	44
0784-23-206	ZB	33731	45
08-125600-00(GOETZE)	Z16XE	50087	119
08-152000-00	XUD9	50056	120
08-152003-00	XUD9	50056	120
08-152007-00	XUD9	50056	120
08-152011-00	XUD9	50056	120
08-321500-00	XUD7(161A)	50054	120
08-321507-00	XUD7(161A)	50054	120
08-321510-00	XUD7(161A)	50054	120
0K2Y3-11-SCO	CARENS	43020	112
0K3Y0-11-SCO	B3	43012	112
0K3Y2-11-SCO	B3	43012	112
0K3Y3-11-SCO	SPECTRA 1.6	43025	112
0K9YV-11-SCO	2.5EGI	43019	112
1-12121-011/cyl	DA640T	32546	33
1-12121-013/cyl	D920	32541	38
1-12121-015/cyl	E120H	32543	39
1-12121-016/cyl	DH100A	32519	37
1-12121-017/cyl	DH100-H	32567	37
1-12121-018/cyl	8MA-1	32550	39
1-12121-019/cyl	8MA-1	32550	39
1-12121-021/cyl	D920	32522	38
1-12121-022/cyl	D920	32522	38
1-12121-023/cyl	E120	32525	39
1-12121-024/cyl	E120H	32543	39
1-12121-025-0/cyl	V170	32526	39
1-12121-028/cyl	6QA-1	32568	38
1-12121-037-0/cyl	6RB-1,2	32585	38
1-12121-040/cyl	6RB-1,2	32585	38
1-12121-043/cyl	10PB-1	32562	37
1-12121-046/cyl	6QA-1	32568	38
1-12121-047-0/cyl	10PC-1	32582	37
1-12121-048-0/cyl	10PC-1	32582	37
1-12121-052/cyl	6BF-1	32559	34
1-12121-052/cyl	6BF-1	62559	34
1-12121-062-0/cyl	10PC-1A	32584	37
1-12121-063-0/cyl	10PC-1A	32584	37
1-12121-063-2/cyl	10PD1	32603	37
1-12121-065-0/cyl	6BG1	32597	34
1-12121-070-0/cyl	6SA-1	32580	36

Reference	Engine Model	TP No.	Page
1-12121-075-0/cyl	6SA-1	32580	36
1-12121-087-0	6BD1	32643	32
1-12121-094-1/cyl	6SD1	32637	37
1-12121-096-0/cyl	6QB2	32633	38
1-12121-102-1/cyl	6RB-T	32610	38
1-12121-113-0/cyl	6SA-1	32580	36
1-12121-115-0/cyl	6BG1-TC	32626	34
1-12121-115-0/cyl	6BG1-TC	32703	35
1-12121-117/cyl	6WA1TC	32641	38
1-12121-127/cyl	6WA1TC	32641	38
1-12121-129-1	10PE-1	32642	38
1-12121-136/cyl	6WA1TC	32641	38
1-12121-138-1/cyl	10TD1	32697	39
1-12121-139-0/cyl	6WA1TC	32662	38
1-12121-141-0/cyl	6WA1TC	32662	38
1-12121-143-0	6WG1-TC	32699	39
1-12121-144-0	6WG1-TMC	32698	39
1-12121-146-0	6BG1T	32681	35
1-12121-146-0	6BG1T	32695	35
1-12121-147-0	6WF1	32715	39
1-12121-148-1/cyl	6TD1	32717	40
1-12181-001/cyl	DH100A	32519	37
1-12181-005/cyl	DA120A	32517	32
1-12181-005/cyl	DA120A	32688	32
1-12181-006-0/cyl	DA220A	32540	32
1-12181-008-0/cyl	V170	32526	39
1-12181-011/cyl	8MA-1	32550	39
1-12181-016/cyl	10PA-1	32548	37
1-12181-022/cyl	E120H	32543	39
1-12181-032/cyl	8MA-1	32550	39
1-12181-033/cyl	DA640A	32518	33
1-12181-034-0/cyl	DA640PP	32625	33
1-12181-035/cyl	DA640T	32546	33
1-12181-036/cyl	DA120A	32517	32
1-12181-036/cyl	DA120A	32688	32
1-12181-038-0/cyl	DA220A	32540	32
1-12181-049/cyl	DH100-H	32567	37
1-12181-050/cyl	DH100	32508	37
1-12181-058/cyl	10PB-1	32562	37
1-12181-060/cyl	10PA-1	32548	37
1-12181-061/cyl	10PB-1	32562	37
1-12181-068/cyl	DH100	32508	37
1-12181-069/cyl	10PB-1	32562	37
1-12181-087/cyl	DA120A	32517	32

Reference	Engine Model	TP No.	Page
1-12181-087/cyl	DA120A	32688	32
1-12181-109/cyl	DA120A	32517	32
1-12181-109/cyl	DA120A	32688	32
1-12181-111-0/cyl	DA220A	32540	32
1-12181-128/cyl	DA120A	32517	32
1-12181-128/cyl	DA120A	32688	32
1110A436	4B11	33991	54
1110A497	6G75	33993	58
1110A561	4D56 TDI	33979	55
1110A822	4B12	33992	54
1110A851	4M41-TI	33956	58
1110A937	6G72-S4(NEW)	33409	55
1110A966	4G69-2	33449	54
1110B098	4G94-S4	33966	52
1110B099	4G94-S4	33966	52
1110B100	4G94-S4	33966	52
1110B180	6G72 BK	33430	55
1110B302	4M41-DID	33422	58
1110B435	6B31	33977	54
1110B571	6G75	33993	58
1110B587	6G74-FFV 93	33412	57
1110B654	4M41-PSU	33423	58
1110B685	3G83	33460	47
1110B699	3,4A92	33462	49
1110B699	3,4A92	33464	49
1110B795	4B10	33417	54
1110B806	6G75	33993	58
1110B934	4N13	33996	53
1110B977	4D56(D4)	33454	55
1110B977	4D56(D4)-2	33461	55
1110C103	4B10	33417	54
1110C162	4B12	33992	54
1110C488	3,4A92	33462	49
1110C488	3,4A92	33464	49
1110C712	4N15	33463	54
12033-01B05	MA10	34090	65
12033-01B10	MA10	34090	65
12033-01B11	MA10	34090	65
12033-01E00	CA18	34063	68
12033-01E10	CA18	34063	68
12033-01F00	CA18	34063	68
12033-01L00	L20A-2	34059	67
12033-01M01	E13	34053	66
12033-01M02	E13	34053	66

Reference	Engine Model	TP No.	Page
12033-01M10	E13	34053	66
12033-01M12	E13	34053	66
12033-01T10	FD35	34094	77
12033-01T60	FD35T	34093	77
12033-01W60	J15	34031	67
12033-01W61	J15	34031	67
12033-01W62	J15	34031	67
12033-02N00	TD23	34105	74
12033-02N10	TD23	34105	74
12033-02N11	TD23	34105	74
12033-02P10	VG30	34065	73
12033-03J00	TB42	34087	75
12033-03P00	VG30	34065	73
12033-03P10	VG30	34065	73
12033-04E00	CA20	34056	70
12033-04E10	CA20	34056	70
12033-04W00	Z20-3	34068	71
12033-05B10	GA13DS	34144	65
12033-05B10	MA12S	34217	65
12033-05B11	GA13DS	34144	65
12033-05D01	TD42T	34102	76
12033-06E00	CA16S	34062	67
12033-06E10	CA16S	34062	67
12033-06J10	TD42	34098	76
12033-06J11	TD42	34098	76
12033-06W10	Z22	34050	73
12033-06W20	Z22	34050	73
12033-0T011	FD42	34120	78
12033-0W000	VG33	34132	75
12033-0W010	VG33	34132	75
12033-0W813	ZD30T	34137	76
12033-0W814	ZD30T	34137	76
12033-10W00	Z24	34070	74
12033-13E00	CA20(NEW)	34086	70
12033-13G10	Z24-2	34077	74
12033-14601	H20	34017	73
12033-15G10	VG30-I	34150	73
12033-15V00	VG30-I	34150	73
12033-16A00	CD17	34061	68
12033-17F00	CA18-DET	34180	69
12033-17F00	CA18ET	34066	69
12033-17M00	E13	34053	66
12033-17M10	E13	34053	66
12033-17V00	VG30-2	34189	73

Reference	Engine Model	TP No.	Page
12033-17V01	VG30-2	34189	73
12033-18F00	CA18-DET	34180	69
12033-18F00	CA18ET	34066	69
12033-18F10	CA18-DET	34180	69
12033-18F10	CA18ET	34066	69
12033-1HC0C	HR12DE	34215	68
12033-1W411	QD32	34136	76
12033-21000	L16	34023	69
12033-21P10	VG30	34065	73
12033-22J11	RD28	34129	71
12033-23000	L16	34023	69
12033-24G00	Z18	34042	71
12033-28500	G15	34032	68
12033-2J210	SR20	34186	72
12033-2S610	QD32NA	34118	76
12033-2U800	CG13	34210	65
12033-2W211	ZD30T	34137	76
12033-30W10	Z24	34070	74
12033-31D03	FD46T	34121	78
12033-31U00	VQ20	34112	67
12033-31U01	VQ20	34112	67
12033-35R00	CA20(NEW)	34086	70
12033-37500	SD22	34022	69
12033-37N10	TD27T	34092	76
12033-3S910	TD25T1	34135	75
12033-3T602	NA20	34111	72
12033-41B01	CG	34197	65
12033-41M01	E10	34067	65
12033-41M02	E10	34067	65
12033-43G10	TD27	34075	75
12033-43G11	TD27	34075	75
12033-44F00	CA18-DET	34180	69
12033-44G10	TD25	34078	75
12033-47U01	VQ30DE	34091	75
12033-4M520	QG15DE-2	34222	66
12033-4M70A	QG18	34195	68
12033-4M802	SR20-2	34187	72
12033-4W005	VQ35	34130	75
12033-53F01	KA24	34114	74
12033-53J00	SR20	34085	72
12033-53Y00	GA15	34084	66
12033-54T10	BD30	34116	75
12033-56T10	ED35	34192	77
12033-57J00	CD20	34097	70

Reference	Engine Model	TP No.	Page
12033-57Y00	GA16	34082	66
12033-57Y01	GA16	34082	66
12033-58003	P	34007	71
12033-58004	P	34007	71
12033-58005	P	34007	71
12033-5M370	QG15DE	34207	66
12033-5T115	TD25-2	34095	75
12033-5V110	KA24DE	34143	74
12033-61500	SD33	34034	70
12033-61502	SD33	34034	70
12033-61503	SD33	34034	70
12033-61A00	E13	34053	66
12033-61E10	CA20(NEW)	34086	70
12033-66001	H30	34020	73
12033-67S10	RB30E	34076	72
12033-6T010	TD27-2	34096	75
12033-70F00	KA24	34114	74
12033-73401	L20	34019	67
12033-73402	L20	34019	67
12033-76202	SD22	34022	69
12033-76203	SD22	34022	69
12033-76204	SD22	34022	69
12033-78520	L18	34028	71
12033-78521	L18	34028	71
12033-7J910	QG16DE	34198	67
12033-81T10	RD28TQ	34218	71
12033-83W00	Z24-2	34077	74
12033-84A11	GA16	34082	66
12033-85G00	NA20S	34188	72
12033-85G10	NA20S	34188	72
12033-86G00	TA3I	34194	74
12033-86G01	TA3I	34194	74
12033-87A00	GA14	34081	66
12033-87A10	GA14	34081	66
12033-8H301	QR25	34149	74
12033-8J100	VQ35DE	34196	75
12033-8M100	QG18DE	34131	68
12033-94M00	GA16-DS	34079	67
12033-94M01	GA16-DS	34079	67
12033-94M02	GA16-DS	34079	67
12033-9C626	LD23	34103	72
12033-9E000	KA24DE	34147	74
12033-9H500	QR25	34149	74
12033-A0600	L16	34023	69

Reference	Engine Model	TP No.	Page
12033-A3500	L16	34023	69
12033-A3501	L16	34023	69
12033-A6200	A12	34001	65
12033-A8620	L24	34035	69
12033-A8701	L18	34028	71
12033-A8702	L18	34028	71
12033-AA210	EJ22	35230	84
12033-AA610	EJ20-3	35229	84
12033-AA760	EJ25D	35231	84
12033-AB010	EJ25-2	35227	84
12033-AB020	EJ25-2	35227	84
12033-AB070	EJ20-2	35228	83
12033-AB100	EJ20-2	35228	83
12033-AB160	EJ20-2	35228	83
12033-AB220	EJ20-2	35228	83
12033-AB340	EJ25	35225	84
12033-AB820	EJ20	35226	83
12033-AE003	QR20DE	34190	74
12033-AV300	QG18DE	34131	68
12033-AW400	YD22	34167	72
12033-AX001	CR12DE	34199	65
12033-AX00A	CR12DE	34199	65
12033-AX201	EJ5KK	34178	66
12033-AX20A	EJ5KK	34178	66
12033-B3030	J15	34031	67
12033-B3040	A12	34001	65
12033-B4910	RB30E	34076	72
12033-B8200	J15	34031	67
12033-C6000	P	34007	71
12033-C8702	SD33T	34191	70
12033-C8704	SD33T	34191	70
12033-CK80A	MR20DE	34162	70
12033-D0120	CA16S	34062	67
12033-D0210	CA18	34063	68
12033-D0400	CA16S	34062	67
12033-D0500	CA18	34063	68
12033-D1700	CA20	34056	70
12033-D2000	CA20	34056	70
12033-D3600	CA20E	34219	70
12033-D4210	CA18-DET	34180	69
12033-D5810	Z20-3	34068	71
12033-D8500	Z22	34050	73
12033-DB010	TD27-4	34159	76
12033-DY712	TD42T-2	34160	76

Reference	Engine Model	TP No.	Page
12033-E3030	L20A	34025	67
12033-E3100	L24	34035	69
12033-E3110	L24	34035	69
12033-E6620	G20	34030	73
12033-E6800	G20	34030	73
12033-EB30B	YD25-2	34206	74
12033-EB70A	YD25-2	34206	74
12033-EE000	HR16DE	34177	68
12033-EN200	MR20DE	34162	70
12033-EN20A	MR20DE	34162	70
12033-ET80B	QR25DE	34221	75
12033-F6500	VG30-DE	34181	73
12033-F6510	VG30-DE	34181	73
12033-F6511	VG30-DE	34181	73
12033-H6200	A12	34001	65
12033-H6201	A12	34001	65
12033-H7200	A14	34606	66
12033-H7680	A15	34038	66
12033-H8500	A12A	34037	66
12033-H8660	A14	34606	66
12033-H8900	A14	34606	66
12033-H9800	A15	34038	66
12033-H9810	A15	34038	66
12033-H9910	A14	34606	66
12033-H9915	A15	34038	66
12033-H9918	A15	34038	66
12033-J2001	ED30	34609	76
12033-J2002	ED30	34609	76
12033-J2004	ED30	34609	76
12033-J2006	ED30	34609	76
12033-J2190	J18	34080	68
12033-J21G0	J18	34080	68
12033-J2200	SD33	34034	70
12033-J2202	SD33	34034	70
12033-J2204	SD33	34034	70
12033-J6500	ED33	34044	77
12033-J6501	ED33	34044	77
12033-JA00B	QR25DE	34221	75
12033-JG30A	QR25DE	34221	75
12033-JK20A	VQ35HR	34223	75
12033-JK20D	VQ35HR	34223	75
12033-KA421	EN	35224	83
12033-KA790	EN07	35223	83
12033-L2000	SD23	34064	74

Reference	Engine Model	TP No.	Page
12033-L2002	SD23	34064	74
12033-L2003	SD23	34064	74
12033-L2004	SD23	34064	74
12033-N4200	L28	34608	72
12033-N4210	L28	34608	72
12033-N4220	L28	34608	72
12033-N7900	J18	34080	68
12033-N8500	Z20-2	34057	71
12033-N8510	Z18	34042	71
12033-N8520	Z18	34042	71
12033-NA010	ZD30T	34137	76
12033-OH600	TZ3P	34169	72
12033-OW81A	TD27-3	34158	76
12033-P7900	L28-2	34055	72
12033-P7910	L28-2	34055	72
12033-P8360	L28	34608	72
12033-P8370	L28	34608	72
12033-P8600	L28-2	34055	72
12033-P8610	L28-2	34055	72
12033-R8100	SD22-2	34054	70
12033-R8103	SD22-2	34054	70
12033-R8104	SD22-2	34054	70
12033-R8110	SD22-2	34054	70
12033-R8112	SD22-2	34054	70
12033-R8114	SD22-2	34054	70
12033-R9000	H20	34017	73
12033-R9023	H20	34017	73
12033-T9000	ED33	34044	77
12033-U6000	L18	34028	71
12033-U6001	L18	34028	71
12033-U6002	L18	34028	71
12033-V0300	L20A	34025	67
12033-V0310	L20A	34025	67
12033-V0400	L20A	34025	67
12033-V0700	LD28	34039	70
12033-V1310	SD22	34022	69
12033-V5310	VG20	34220	68
12033-V8000	VG30-I	34150	73
12033-VB000	TB45	34104	77
12033-VB000	TB48DE	34145	77
12033-VC200	TB48DE	34145	77
12033-VK510	YD25TI	34134	74
12033-VK520	YD25	34182	74
12033-VK610	ZD30T	34166	76

Reference	Engine Model	TP No.	Page
12033-VR300	K30	34170	71
12033-VW211	ZD30	34164	76
12033-W0700	L16	34023	69
12033-W0805	L18	34028	71
12033-W0810	L24	34035	69
12033-W0815	L18	34028	71
12033-W1600	L18	34028	71
12033-W1700	LD20	34040	71
12033-W2400	L24E	34051	69
12033-W2410	L24E	34051	69
12033-W2420	L24E	34051	69
12033-W3100	L24E-2	34052	69
12033-W7110	L16	34023	69
12033-WD000	YD22-2	34168	72
12033-WD310	QG18DE-2	34202	68
12033-Y1400	SD22	34022	69
12033-Y1401	SD22	34022	69
12033-Y1402	SD22	34022	69
12033-Y1404	SD22	34022	69
12033-Y1410	SD22	34022	69
12033-Y1412	SD22	34022	69
12033-Y4460	H20	34017	73
12033-Y7000	L20E	34036	68
12033-Y7010	L20E	34036	68
12033-Y7011	L20E	34036	68
12033-Z5004	ED33	34044	77
12033-Z5502/cyl	FD6T	34146	77
12033-Z5504/cyl	FD6T(NEW)	34152	77
12040-00Z07	GE13TD	34184	81
12040-90008	UD-3	34009	79
12040-90025	PE-6	34502	80
12040-90025	PE-6	34155	80
12040-90026	PD-6	34501	79
12040-90026	PD-6	34154	79
12040-90028	PD6T	34048	79
12040-90029	PD-6	34501	79
12040-90029	PD-6	34154	79
12040-90127	ND-6	34500	78
12040-90229	RD-10	34504	81
12040-90325	RD-8	34503	80
12040-90325	RD-8	34151	81
12040-95004	ND-6	34500	78
12040-95006	ND-6	34500	78
12040-95012	NE6	34115	78

Reference	Engine Model	TP No.	Page
12040-95013	NE6	34115	78
12040-95014	NE6	34115	78
12040-95029	NE6	34115	78
12040-95501	NF	34171	79
12040-96004	PD-6	34501	79
12040-96004	PD-6	34154	79
12040-96005/cyl	PD6T	34048	79
12040-96026	PD-6	34501	79
12040-96026	PD-6	34154	79
12040-96028	PE-6	34502	80
12040-96028	PE-6	34155	80
12040-96125	PD6T	34048	79
12040-96127	PD-6	34501	79
12040-96127	PD-6	34154	79
12040-96128	PE-6	34502	80
12040-96128	PE-6	34155	80
12040-96129	PD6T	34048	79
12040-96225/cyl	PE-6T	34049	80
12040-96226	PD-6	34501	79
12040-96226	PD-6	34154	79
12040-96228	PE-6T	34049	80
12040-96228	PE-6T	34161	80
12040-96504	PE-6T	34049	80
12040-96504	PE-6T	34161	80
12040-96509	PE-6T	34049	80
12040-96509	PE-6T	34161	80
12040-96510	PE-6T	34049	80
12040-96510	PE-6T	34161	80
12040-96512	PE-6T	34049	80
12040-96512	PE-6T	34161	80
12040-96513	PE-6T	34049	80
12040-96513	PE-6T	34161	80
12040-96517	PE6T	34088	80
12040-96531	PE-6	34502	80
12040-96531	PE-6	34155	80
12040-96564	PF6	34106	80
12040-96564	PF6-2	34122	80
12040-96566	PF6	34106	80
12040-96566	PF6-2	34122	80
12040-96570	PF6	34106	80
12040-96570	PF6-2	34122	80
12040-97007/cyl	RD-8	34503	80
12040-97007/cyl	RD-8	34151	81
12040-97008/cyl	RD-8	34503	80

Reference	Engine Model	TP No.	Page
12040-97008/cyl	RD-8	34151	81
12040-97025	RD-8	34503	80
12040-97025	RD-8	34151	81
12040-97026	RD-8	34503	80
12040-97026	RD-8	34151	81
12040-97028	RD-8	34503	80
12040-97028	RD-8	34151	81
12040-97072	RF8	34073	81
12040-97072	RF8-2	34124	81
12040-97079	RE8	34107	81
12040-97079	RE8-2	34123	81
12040-97101	RF8T	34108	81
12040-97101	RF8T-2	34204	81
12040-97103	RG8	34109	81
12040-97103	RG8	34156	81
12040-97104	RF8	34073	81
12040-97104	RF8-2	34124	81
12040-97105	RH8,10	34110	82
12040-97106	RH8,10	34110	82
12040-97126	RD-8	34503	80
12040-97126	RD-8	34151	81
12040-97127	RD-10	34504	81
12040-97226	RD-8	34503	80
12040-97226	RD-8	34151	81
12040-97227	RD-10	34504	81
12040-ND000	A790 RF8TI	34174	81
12040-ND001	A790 RG	34175	81
12040-ND003	A790 RH	34176	82
12040-Z5001/cyl	FD-6	34610	77
12040-Z5005/cyl	FD-6	34045	77
12040-Z5025	FD-6	34610	77
12040-Z5026/cyl	FD-6	34610	77
12040-Z5027	FD-6	34610	77
12040-Z5028	FD-6	34045	77
12040-Z5501/1CYL	FD6T-2	34157	77
12040-Z5504	FE6	34100	78
12040-Z5504	FE6	34153	78
12040-Z5505	FE6T	34101	78
12040-Z5505	FE6T	34125	78
12040-Z5511	FE6	34100	78
12040-Z5511	FE6	34153	78
12040-Z5512	FE6T	34101	78
12040-Z5512	FE6T	34125	78
12040-Z5517	FE6T	34101	78

Reference	Engine Model	TP No.	Page
12040-Z5517	FE6T	34125	78
12040-Z5519	FE6TA	34126	78
12040-Z5519	FE6TA	34165	78
12040-Z5525	FD6T-2	34157	77
12040-Z5526	FD6T-2	34157	77
12040-Z5527	FD6T	34146	77
12040-Z5528	FD6T(NEW)	34152	77
12040-Z5560	FE6TA	34126	78
12040-Z5560	FE6TA	34165	78
12040-Z5561	FE6TA	34126	78
12040-Z5561	FE6TA	34165	78
12040-Z5561/cyl	A500FET	34193	78
12040-Z5564	FE6TA	34126	78
12040-Z5564	FE6TA	34165	78
12040-Z5603	FE6TA	34126	78
12040-Z5603	FE6TA	34165	78
12040-Z5603/cyl	A500FET	34193	78
12040-Z5608	FE6T-2	34201	78
12040-Z6002	MD92TCI	34183	79
12040-Z6004	MD92TCI	34183	79
12140-50E50	F6A-T	35620	85
12140-51E50/cyl	F6A	35582	85
12140-51F10	F6A-N	35621	85
12140-52D00	H27	35627	87
12140-54GA0	LOW	35611	87
12140-54GB0	LOW	35611	87
12140-60A50/cyl	G16A	35583	87
12140-61G50/cyl	E12	35592	87
12140-61J00	G15A	35615	87
12140-63871/cyl	T5A	35569	85
12140-63E50	SR413	35598	86
12140-63E50	SR413	35616	86
12140-65J00	J20A-2	35635	87
12140-65J50	J20A	35642	87
12140-67011/cyl	T5A	35569	85
12140-67810/cyl	L50	35574	85
12140-67811/cyl	L50	35574	85
12140-67820/cyl	L60	35570	86
12140-68811/cyl	T5A	35569	85
12140-69G02	69G	35625	87
12140-72811/cyl	Y30	35579	85
12140-72F00	G10	35628	86
12140-73000/cyl	F5A	35572	85
12140-73000/cyl	F8A	35573	85

Reference	Engine Model	TP No.	Page
12140-73010/cyl	F5A	35572	85
12140-73010/cyl	F8A	35573	85
12140-73601	K6A	35618	85
12140-73D00	Y7AT7	35619	85
12140-73G01	K6A	35622	85
12140-75110/cyl	F10A	35576	85
12140-75111/cyl	F10A	35576	85
12140-75F30-000	K12A	35626	86
12140-77E00	J20A	35617	87
12140-78410	SS80	35636	86
12140-78411/cyl	SS80	35586	86
12140-78B00-000	F8	41002	106
12140-78K00	A6B42	35637	87
12140-79P50-000	K10B	35639	86
12140-82050/cyl	G10	35580	86
12140-82050/cyl	G10	35584	86
12140-82051/cyl	G10	35580	86
12140-82051/cyl	G13A	35587	86
12140-82X50	G10	35614	86
12140-85FA0	FAO	35610	87
12140-86FAO	H25A	35634	87
12140M68P10-000	K14B	35641	86
12141-58M50-000	K10B	35639	86
12141-58M50-000	YL8	35638	86
12181-007/cyl	DA640A	32518	33
12181-014/cyl	DA640T	32546	33
12181-074/cyl	DA640A	32518	33
12181-088/cyl	DA640A	32518	33
12181-110/cyl	DA640A	32518	33
12181-601/cyl	4BA-1	32529	31
12181-619/cyl	4BA-1	32529	31
13011-0A030	3MZ-FE(3F)	36067	100
13011-0E010	1GD	36050	100
13011-0H020	2AZ-FE	35967	99
13011-0H040	2AZ	36042	99
13011-0H041	2AZ	36042	99
13011-0L070	2KDFTV	36049	100
13011-0S011	3UR	36053	102
13011-0Y030	1NR	36059	88
13011-10070	1E	35878	88
13011-10080	1E	35878	88
13011-10081	1E	35878	88
13011-1010	EK100	32226	17
13011-1010	EK100	32292	17

Reference	Engine Model	TP No.	Page
13011-1011	EK100	32226	17
13011-1011	EK100	32292	17
13011-1021B	EK100	32226	17
13011-1021B	EK100	32292	17
13011-1032A	EH300	32206	12
13011-1062	EH300	32206	12
13011-1091A,B	EF300	32225	17
13011-1100	EF300	32225	17
13011-1101	EF300	32225	17
13011-11040	2E-U	35879	88
13011-11041	2E-U	35879	88
13011-11060	2E-U	35879	88
13011-11061	2E-U	35879	88
13011-11064	2E-2	35919	88
13011-11072	2E-U	35879	88
13011-11080	3E	35883	88
13011-11090	3E	35883	88
13011-1111	EF700	32227	18
13011-11122	4E,5E	35954	88
13011-11140	4E,5E	35954	88
13011-11160	4E,5E	35954	88
13011-11200	1GD	36050	100
13011-11210	1GD	36050	100
13011-1121B	EF700	32227	18
13011-1122	EF700	32227	18
13011-11220	1GD	36050	100
13011-1131B	EG100	32220	17
13011-1141	EG100	32220	17
13011-1142	EG100	32220	17
13011-1150	EH100	32222	12
13011-1180A	EF100	32219	16
13011-1200	DK10,20	32208	15
13011-12010	2K	35823	88
13011-12030	2K	35823	88
13011-12031	2K	35823	88
13011-1210	DS70	32201	12
13011-1230	DS50	32202	13
13011-1250	DS50	32202	13
13011-1261	DS50	32202	13
13011-1270	DK10,20	32208	15
13011-1280A	DK10,20	32208	15
13011-1290	DK10,20	32208	15
13011-1300	EB100	32215	15
13011-13010	4K	35863	89

Reference	Engine Model	TP No.	Page
13011-13030	4K-C	35896	89
13011-13040	1S-U	35861	91
13011-13050	1S-U	35861	91
13011-13060	4K	35863	89
13011-13080	1S-U	35861	91
13011-13090	1S-U	35861	91
13011-1310	EB100	32215	15
13011-13100	7K	35922	92
13011-13110	7K	35922	92
13011-13120	7K	35922	92
13011-1330	EB300	32217	15
13011-1350A	DM100	32211	11
13011-1360A	DQ100	32203	11
13011-1390	EC100	32204	11
13011-1400	EC100	32204	11
13011-14010	2A	35857	90
13011-14020	2A	35857	90
13011-14021	2A	35857	90
13011-1410	EH100	32222	12
13011-1460	EG100	32220	17
13011-1470	ED100	32218	16
13011-1480	ED100	32218	16
13011-15010	1A	35854	90
13011-15011	1A	35854	90
13011-15020	1A	35854	90
13011-15021	1A	35854	90
13011-15031	1A	35854	90
13011-15050	5A	35894	90
13011-15100	5A-F	35920	90
13011-15120	5A-F	35920	90
13011-15130	8A	35939	90
13011-1550A	DS70	32201	12
13011-1570A	EF100	32219	16
13011-1580	EF100	32219	16
13011-1590	EF100	32219	16
13011-16010	4A	35876	92
13011-16011	4A	35876	92
13011-16031	4A	35876	92
13011-16032	4A	35876	92
13011-16050	4AGEU	35951	92
13011-16090	4AGEU	35951	92
13011-1610A(cyl)	EK100	32226	17
13011-1610A(cyl)	EK100	32292	17
13011-1610B	EH700	32239	13

Reference	Engine Model	TP No.	Page
13011-16130	4AF	35908	92
13011-16140	4AF	35908	92
13011-16150	4AF	35908	92
13011-16180	4AGEU	35951	92
13011-16190	4AGE	35910	92
13011-16200	4AGE	35910	92
13011-1620A	EH700	32239	13
13011-16210	4AGE	35910	92
13011-16230	N4AG	35989	92
13011-16280	4AFE	35913	92
13011-16290	4AFE	35913	92
13011-1630	EB400	32231	15
13011-16300	4AFE	35913	92
13011-16320	7A-FE	35938	92
13011-16330	7A-FE	35938	92
13011-16340	4AFE	35913	92
13011-16350	4AG	35976	92
13011-1640A	EB400	32231	15
13011-1650	DS50	32202	13
13011-1660	ED100	32218	16
13011-1670A	ED100	32218	16
13011-1680	DS50	32202	13
13011-1690	EB100	32215	15
13011-1700	EL100	32230	15
13011-17010	1HZ	35898	102
13011-17011	1HZ	35898	102
13011-17020	1HZ	35898	102
13011-17030	1HZ	35898	102
13011-17040	1HD-FTE	35970	102
13011-1710	EL100	32230	15
13011-1720	EB300	32217	15
13011-1730A	EB300	32217	15
13011-1740	EV700	32233	18
13011-1741	EV700	32233	18
13011-1751	EV700	32233	18
13011-1780	EB100	32215	15
13011-18030	1PZ	35949	102
13011-1830	DS50	32202	13
13011-1921A	EM100	32283	16
13011-1931	EM100	32283	16
13011-1952	EP100	32282	15
13011-1961	H06C-TA	32237	12
13011-1973	W04D	32235	11
13011-1973	W04D	32273	12

Reference	Engine Model	TP No.	Page
13011-1983	W06D	32236	12
13011-1983	W04D	32273	12
13011-20010	1MZ-FE	35935	97
13011-20012	1MZ-FE	35935	97
13011-20020	1MZ-FE	35935	97
13011-20050	2MZ	36026	97
13011-20061	3MZ-FE	36064	101
13011-2070A	EH700	32239	13
13011-2090	EH700	32239	13
13011-21030	1NZ-FXE	35973	89
13011-21041	2NZ-FE	35974	90
13011-21050	2NZ-FE	35974	90
13011-21060	2NZ-FE-2	35975	90
13011-21070	1NZ-FXE	35973	89
13011-21091	1NZ-FE-2	36046	89
13011-21111	1NZ-FXE-2	36057	89
13011-2150	EG100	32220	17
13011-2160	EG100	32220	17
13011-2170B	EF700	32227	18
13011-2180	EF700	32227	18
13011-2200A	EV700	32233	18
13011-22011	3K	35815	89
13011-22030	1,3,4ZZ	35950	90
13011-22040	1,3,4ZZ	35950	90
13011-22090	1,3,4ZZ	35950	90
13011-22100	1,3,4ZZ	35950	90
13011-2210A	EK100	32226	17
13011-2210A	EK100	32292	17
13011-22111	1,3,4ZZ	35950	90
13011-22140	TZZ-FE	36021	91
13011-22200	1,3,4ZZ	35950	90
13011-2221A	EK100	32226	17
13011-2221A	EK100	32292	17
13011-22220	1,3,4ZZ	35950	90
13011-22221	1,3,4ZZ	35950	90
13011-22230	1,3,4ZZ	35950	90
13011-22250	M10-U	32275	16
13011-2270A	W04C-T	32277	11
13011-2270C	W04C-T	32277	11
13011-23010	3P	35822	90
13011-23030	3P	35822	90
13011-23040	1SZ-FE	35991	88
13011-23041	1SZ-FE	35991	88
13011-23051	1SZ-FE	35991	88

Reference	Engine Model	TP No.	Page
13011-23060	2SZ-FE	36019	88
13011-23070	2SZ	31060	9
13011-23073	2SZ	31060	9
13011-24010	3K	35815	89
13011-24011	3K	35815	89
13011-24012	3K	35815	89
13011-24020	3K	35815	89
13011-24030	3K	35815	89
13011-2410	K13C	32251	17
13011-2420	W06D	32236	12
13011-2420	W04D	32273	12
13011-2440	W06D	32236	12
13011-2440	W04D	32273	12
13011-25010	T	35824	91
13011-25020	T	35824	91
13011-25032	T	35824	91
13011-25033	T-J	35864	91
13011-25041	T	35824	91
13011-25042	T-J	35864	91
13011-2540	W04D	32235	11
13011-2540	W04D	32273	12
13011-2550B	W04C-T	32277	11
13011-26020	2T	35825	94
13011-26040	2T	35825	94
13011-26041	2T	35825	94
13011-26090	2AD	36016	96
13011-26100	2AD	36016	96
13011-26110	2AD	36016	96
13011-26120	1AD-FTV	36063	94
13011-2650	H07D	32254	13
13011-2651	H07D	32254	13
13011-2651	H07D-2	32301	13
13011-2660	H07D	32254	13
13011-2671	H07C-T	32247	13
13011-2672	H07C-T	32247	13
13011-27020	2T	35825	94
13011-27030	1CD	35977	92
13011-27040	1CDA	35996	92
13011-2760	EP100	32282	15
13011-2792	F20C	32252	18
13011-2792A	F20C	32267	18
13011-28010	3T	35958	94
13011-28011	3T	35958	94
13011-28012	3T	35958	94

Reference	Engine Model	TP No.	Page
13011-28020	3T	35958	94
13011-28030	3T	35958	94
13011-28031	3T	35958	94
13011-28070	3T	35958	94
13011-28071	3T	35958	94
13011-2810	F17C	32248	18
13011-2810	F17C	32279	18
13011-28101	2AZ-FE	35967	99
13011-28102	2AZ-FE	35967	99
13011-28110	1AZ-D4	35997	95
13011-28120	1AZ	35963	95
13011-28121	1AZ	35963	95
13011-28130	1AZ	36030	95
13011-28151	2AZ-FE	35967	99
13011-28160	2AZ	36042	99
13011-28161	2AZ	36042	99
13011-28190	2AZ	36042	99
13011-2820	F17C	32248	18
13011-2820	F17C	32279	18
13011-28200	1AZ-D4	35997	95
13011-28210	1AZ	35963	95
13011-28220	1AZ	35963	95
13011-28240	2AZ	36042	99
13011-2870	M10-U	32275	16
13011-2891A	W04C-TI	32286	11
13011-2960	J08C-5	32300	14
13011-2960	J08C-5	32302	14
13011-2960A	J08C-3	32268	14
13011-2961A	J08C-3	32268	14
13011-2962A	J08C-3	32268	14
13011-2970	K13D	32253	18
13011-2970	K13D	32293	18
13011-2980A	F20C	32267	18
13011-2981A	F20C	32267	18
13011-2990	K13D	32253	18
13011-2990	K13D	32293	18
13011-2991	K13D	32253	18
13011-2991	K13D	32293	18
13011-30020	1KD	35987	103
13011-30022	1KD	35987	103
13011-30030	2KD	35986	100
13011-30031	2KD	35986	100
13011-30040	1KD	35987	103
13011-30050	1KD	35987	103

Reference	Engine Model	TP No.	Page
13011-30150	1KD	35987	103
13011-31010	2R	35811	90
13011-31030	2R	35811	90
13011-31040	2R	35811	90
13011-31050	12R	35830	91
13011-31051	12R	35830	91
13011-31051	12R	35907	91
13011-31060	12R	35830	91
13011-31060	12R	35907	91
13011-31061	12R	35830	91
13011-31061	12R	35907	91
13011-31070	12R	35830	91
13011-31070	12R	35907	91
13011-31081	12R	35830	91
13011-31081	12R	35907	91
13011-31090	12R	35830	91
13011-31090	12R	35907	91
13011-31100	1GR-FE	35968	102
13011-3110A	P11C	32264	16
13011-31110	3GR-D4	35998	97
13011-3111A	P11C	32264	16
13011-3112A	P11C	32264	16
13011-31130	2GR-FE	36002	102
13011-3114A	P11C	32264	16
13011-3114B	P11C	32264	16
13011-3114C	P11C	32264	16
13011-31150	2GR-FE	36002	102
13011-31170	3GR-D4	35998	97
13011-31180	3GR-FE	36020	97
13011-31210	R1GR	36062	102
13011-3150	F17C	32248	18
13011-3150	F17C	32279	18
13011-3160	F17C	32248	18
13011-3160	F17C	32279	18
13011-3221A	J05C	32271	14
13011-3221A	J05C	32298	14
13011-3250A	F20C	32267	18
13011-3281A	H06C-TI	32261	12
13011-33010	6R	35820	94
13011-33020	6R	35820	94
13011-33021	6R	35820	94
13011-33022	6R	35820	94
13011-33030	6R	35820	94
13011-33041	1ND	36006	88

Reference	Engine Model	TP No.	Page
13011-3310A	F21C	32276	19
13011-3320A	F20C-E	32278	19
13011-3371A	J07C-3	32269	14
13011-3371B	J07C-3	32269	14
13011-3391B	J05C-3	32270	14
13011-34012	18R	35831	99
13011-34013	18R	35831	99
13011-34020	18R	35831	99
13011-34021	18R	35831	99
13011-34022	18R	35831	99
13011-34030	18R	35831	99
13011-34050	18R	35831	99
13011-3450A	F21C	32276	19
13011-3470A	H07C-T2	32262	13
13011-35010	22R	35852	101
13011-35020	22R	35852	101
13011-35030	22R	35852	101
13011-35040	22R-2	35881	101
13011-35041	22R-4	35945	101
13011-35050	22R-2	35881	101
13011-35052	22R-2	35881	101
13011-35060	22R-2	35881	101
13011-35061	22R-2	35881	101
13011-35070	22R-2	35881	101
13011-35071	22R-3	35933	101
13011-3510A	H07C-T2	32262	13
13011-3520	H06C-T	32255	12
13011-3570A	J08C	32263	14
13011-3590	K13C-TE	32250	17
13011-36020/30/50	1AR	36055	99
13011-36060	1AR	36055	99
13011-36071/70	1AR	36055	99
13011-36101	8AR	36066	94
13011-37030	21R	35853	93
13011-37050	21R	35853	93
13011-37060	21R	35853	93
13011-37070	21R-2	35880	93
13011-37071	21R-2	35880	93
13011-37090	1,2,3ZR	36036	91
13011-37110	2ZR-FXE	36056	91
13011-37140	1,2,3ZR	36036	91
13011-37160	1,2,3ZR	36036	91
13011-37210	HS3ZR	36060	92
13011-37260	2ZR-FXE	36056	91

Reference	Engine Model	TP No.	Page
13011-3731A	S05C	32259	15
13011-3750B	EK100	32226	17
13011-3750B	EK100	32292	17
13011-3800A	P11C	32264	16
13011-38010	18R	35831	99
13011-38020	18R	35831	99
13011-38030	20R	35849	99
13011-38040	18R	35831	99
13011-38060	18R	35831	99
13011-3810A	P11C	32264	16
13011-3811A	P11C	32264	16
13011-3820A	J08C	32263	14
13011-3830A	P11C	32264	16
13011-3870A	P11C	32264	16
13011-3870A	P11C	32264	16
13011-3880A	J05C	32271	14
13011-3880A	J05C	32298	14
13011-3890B	J08C	32263	14
13011-3940A	J05C	32271	14
13011-3940A	J05C	32298	14
13011-3950A	W04D-J	32287	12
13011-40030A	1KR-FE	31056	8
13011-40050	1KR-FE	31056	8
13011-40051	1KR-FE	31056	8
13011-40052	1KR-FE	31056	8
13011-40070	14M-1KR	31066	9
13011-41015	M	35816	89
13011-41040	M	35816	89
13011-42010	7M	35893	93
13011-42020	7M	35893	93
13011-42030	7M	35893	93
13011-42040	7M	35893	93
13011-43010	5M	35859	93
13011-43030	5M	35859	93
13011-43050	5M-GEU	35860	93
13011-43080	5M-GEU	35860	93
13011-44011	5R	35810	97
13011-44011	5R	35905	98
13011-44032	5R	35810	97
13011-44032	5R	35905	98
13011-44040	5R	35810	97
13011-44040	5R	35905	98
13011-44042	5R	35810	97
13011-44042	5R	35905	98

Reference	Engine Model	TP No.	Page
13011-44043	5R	35810	97
13011-44043	5R	35905	98
13011-44060	5R	35810	97
13011-44060	5R	35905	98
13011-44061	5R	35810	97
13011-44061	5R	35905	98
13011-44062	5R	35810	97
13011-44062	5R	35905	98
13011-44063	5R	35810	97
13011-44063	5R	35905	98
13011-44073	5R	35810	97
13011-44073	5R	35905	98
13011-45021	4M	35832	91
13011-45040	4M	35832	91
13011-46021	J	35813	98
13011-46030	2JZ-GE	35946	95
13011-46040	2JZ-GE	35946	95
13011-46041	2JZ-GE	35946	95
13011-46050	2JZ-GE	35946	95
13011-46060	2JZ-D4	35964	95
13011-46061	2JZ-D4	35964	95
13011-46070	1JZ-FSE	36043	94
13011-47020	H	35827	98
13011-47021	H	35848	98
13011-47022	H(NEW)	35839	98
13011-47023	H(NEW)	35839	98
13011-47031	1NR-FE	36068	88
13011-48013	J	35837	98
13011-48021	J	35837	98
13011-48022	2J(NEW)	35838	98
13011-48023	2J(NEW)	35838	98
13011-48030	2J(NEW)	35838	98
13011-50040	1UZ-FE	35947	97
13011-50060	1UZ-FE-2	35948	97
13011-50110	1UZ	36027	97
13011-50141	2UZ-FE	36028	101
13011-50162	2UZ	36054	101
13011-51030	1VD-FTV	36034	96
13011-51031	1VD-FTV	36034	96
13011-51032	1VD-FTV	36034	96
13011-52010	4V	35842	93
13011-54010	L	35850	100
13011-54020	L	35850	100
13011-54021	L	35850	100

Reference	Engine Model	TP No.	Page
13011-54030	L(NEW)	35862	100
13011-54031	L(NEW)	35862	100
13011-54032	L(NEW)	35862	100
13011-54040	L(NEW)	35862	100
13011-54041	L(NEW)	35862	100
13011-54042	L(NEW)	35862	100
13011-54050	2L	35867	101
13011-54060	2L	35867	101
13011-54061	2L	35867	101
13011-54080	L(NEW)	35862	100
13011-54090	2L-T	35899	101
13011-54100	2L	35867	101
13011-54120	3L	35892	103
13011-54130	5L	35929	104
13011-55010	1N-T	35884	88
13011-55011	1N-T	35884	88
13011-56010	B(OLD)	35834	103
13011-56011	B	35847	103
13011-56012	B(NEW)	35840	103
13011-56013	B(NEW)	35840	103
13011-56021	B(NEW)	35840	103
13011-56022	B(NEW)	35840	103
13011-56030	11B	35889	103
13011-56040	11B,B	35901	103
13011-56050	11B-2	35971	103
13011-57010	2B	35851	104
13011-58010	3B	35855	104
13011-58011	3BK	35909	104
13011-58030	13B	35890	104
13011-58040	13BT	35891	104
13011-58050	14B	35895	104
13011-58051	14B	35895	104
13011-58060	14B-T	35903	104
13011-58070	14B(NEW)	35916	105
13011-58072	14B(NEW)	35916	105
13011-58090	15B-F	35926	105
13011-58110	15B-FTE	35969	105
13011-5A2-A11	K24W	32427	24
13011-60011	F	35806	99
13011-60040	F(NEW)	35835	99
13011-61010	2F	35836	101
13011-61060	3F	35882	102
13011-61061	3F	35882	102
13011-61062	3F(NEW)	35914	102

Reference	Engine Model	TP No.	Page
13011-62040	3VZ-FE	36031	97
13011-62060	3VZ-FE	35934	97
13011-62080	3VZ-FE	36031	97
13011-62100	5VZ-FE	35959	101
13011-62110	5VZ-FE	35959	101
13011-62120	5VZ-FE	35959	101
13011-62130	5VZ	36061	101
13011-63010	1S-U	35861	91
13011-63011	1S-U	35861	91
13011-63020	1S-U	35861	91
13011-63030	1S-U	35861	91
13011-63031	1S-U	35861	91
13011-634-003/cyl	EB1	32345	20
13011-634-004/cyl	EB1	32345	20
13011-634-013/cyl	EB1	32345	20
13011-634-305/cyl	EB1	32345	20
13011-634-631/cyl	EB3	32363	20
13011-64010	1C	35865	93
13011-64020	1C	35865	93
13011-64040	1C	35865	93
13011-64060	2C-T	35877	96
13011-64070	1C	35865	93
13011-64070	1C-T	35923	93
13011-64080	1C	35865	93
13011-64130	1C-A	35900	93
13011-64150	2C-T	35877	96
13011-64150	2C-T	35877	96
13011-64170	2C-A	35911	96
13011-642-003/cyl	EB5	32346	20
13011-642-004/cyl	EB5	32346	20
13011-64210	2C-T-2	35965	96
13011-64212	2.3C-T	35912	96
13011-64213	2.3C-T	35912	96
13011-64220	1C-A	35900	93
13011-64230	3C-T	35966	96
13011-642-305/cyl	EB5	32346	20
13011-65021	3VZ-FE	35934	97
13011-657-004/cyl	EC	32347	21
13011-657-315/cyl	EC	32347	21
13011-657-604/cyl	EC	32347	21
13011-657-670/cyl	ED	32351	21
13011-657-671/cyl	ED	32351	21
13011-657-673/cyl	ED	32351	21
13011-66020	1FZ-2	36015	104

Reference	Engine Model	TP No.	Page
13011-66021	1FZ	35941	104
13011-67030	1KZ	35937	103
13011-671-000/cyl	ED	32351	21
13011-671-004/cyl	ED	32351	21
13011-673-000/cyl	EJ	32355	20
13011-676-005/cyl	EK	32357	22
13011-676-601/cyl	EK	32357	22
13011-676-602/cyl	EK	32357	22
13011-676-604/cyl	EK	32357	22
13011-676-642/cyl	EK	32357	22
13011-679-014/cyl	EH	32358	20
13011-679-621/cyl	EH	32358	20
13011-68010	2H	35856	100
13011-68020	2H	35856	100
13011-68030	12H-T	35886	100
13011-689-013/cyl	EK	32357	22
13011-689-015/cyl	EK	32357	22
13011-69021	F	35806	99
13011-695-004/cyl	EJ	32355	20
13011-70010	1G	35858	89
13011-70030	1G-E	36003	89
13011-70051	1GX	35981	89
13011-70110	1G-FE	36035	89
13011-71010	1Y	35869	95
13011-71020	1Y	35869	95
13011-71030	1Y	35869	95
13011-71031	1Y	35869	95
13011-71033	1Y(NEW)	35930	95
(13011-71033)	1Y	35869	95
13011-71040	1Y	35869	95
13011-73020	4Y	35887	100
13011-73030	4Y	35887	100
13011-73031	4Y	35887	100
13011-73032	4Y(NEW)	35932	100
(13011-73032)	4Y	35887	100
13011-73040	4Y	35887	100
13011-73071	Y-P	36000	96
13011-74010	2S	35866	93
13011-74020	2S	35866	93
13011-74030	2S	35866	93
13011-74040	2S	35866	93
13011-74041	2S	35866	93
13011-74070	3S	35902	94
13011-74072	3S	35902	94

Reference	Engine Model	TP No.	Page
13011-74080	3SFE(C)	35885	94
13011-74081	3SFE(C)	35885	94
13011-74091	3S	35902	94
13011-74110	4S	35917	92
13011-74120	4S	35917	92
13011-74121	4S	35917	92
13011-74131	3S-F	35942	95
13011-74150	5S-FE	35988	96
13011-74260	5SFE2	35921	96
13011-74261	5SFE2	35921	96
13011-74280	3S	35902	94
13011-74290	5SFE2	35921	96
13011-74300	5SFE2-2	35943	96
13011-74320	3S-FE	35984	95
13011-74340	3S-FE	35984	95
13011-74361	3S-FE	35984	95
13011-74370	5SFE3	35944	97
13011-74380	5SFE3	35944	97
13011-74400	3S-FSE	35962	95
13011-74410	5SFE3	35944	97
13011-75010	1RZ	35904	95
13011-75020	1RZ	35904	95
13011-75030	2,3RZ	35952	102
13011-75040	3RZ-FE	36004	102
13011-75060	2,3RZ	35952	102
13011-75100	1TR	35960	94
13011-75110	2TR-FE	35961	102
13011-75120	1TR	35960	94
13011-75130	2TR-FE	35961	102
13011-76010	2TZ-FE	35956	102
13011-76050	2TZ-FE	35956	102
13011-77010	2D(OLD)	35808	105
13011-77020	2D(OLD)	35808	105
13011-77021	2D(OLD)	35808	105
13011-77022	2D(OLD)	35808	105
13011-77023	2D(OLD)	35808	105
13011-77040	2D(NEW)	35846	105
13011-77041	2D(NEW)	35846	105
13011-77050	2D(NEW)	35846	105
13011-78010	1W	36029	105
13011-78031	S05C	32259	15
13011-78060	N04,W04D	32258	11
13011-78200-71	1DZ	35925	96
13011-78201-71	2DZ	35940	96

Reference	Engine Model	TP No.	Page
13011-78202-71	1,2DZ	36009	94
13011-78220	N04C/W04D	32296	11
13011-78300-71	1Z	35915	103
13011-78300-71	1Z	36048	103
13011-78330-71	1Z	36048	103
13011-78700-71	2Z	35928	104
13011-78701-71	2Z-B	36010	104
13011-78701-71	2Z-B	36047	104
13011-78760-71	2Z-B	36047	104
13011-78761-71	2Z-B	36047	104
13011-87105	HC	31035	10
13011-87106	HD	31036	10
13011-87107	HD	31036	10
13011-87108	HC	31035	10
13011-87109	HD	31036	10
13011-87110	HD	31036	10
13011-87111	HD	31036	10
13011-87112	HD(NEW)	31045	10
13011-87204	L38	31016	8
13011-87205	L38	31016	8
13011-87206	EB	31033	8
13011-87208	ED	31040	8
13011-87218	EF	31041	8
13011-87222	EB	31033	8
13011-87231	JB-J	31057	8
13011-87232	ED	31040	8
13011-87305	DG(NEW)	31026	10
13011-87306	DG(NEW)	31026	10
13011-87307	DG(NEW)	31026	10
13011-87308	DG(NEW)	31026	10
13011-87310	DL	31030	10
13011-87311	DL	31030	10
13011-87312	DL	31030	10
13011-87313	DL	31030	10
13011-87314A	DL-T	31032	10
13011-87317	DL-T	31032	10
13011-87320	DL	31030	10
13011-87321	DL-2	31046	10
13011-87501	L38	31016	8
13011-87701	L40	31024	9
13011-87702	L40	31024	9
13011-87703	CB10	31028	9
13011-87704	CB10	31028	9
13011-87705	L40	31024	9

Reference	Engine Model	TP No.	Page
13011-87708	CB10	31028	9
13011-87709	L40	31024	9
13011-87710	L40	31024	9
13011-87712	CD	31027	8
13011-87714	L40	31024	9
13011-87717	CL	31031	10
13011-87718	CB20	31038	9
13011-87721	CL(NEW)	31043	10
13011-87723A	CL	31031	10
13011-87727	CB90	31037	10
13011-88363	3S-G	35995	95
13011-88380	3S-G	35995	95
13011-88601	2ZZ-GE	36040	92
13011-96601	2H	35856	100
13011-97201	EJ	31048	9
13011-97202	EJDE	31059	9
13011-97203	EF	31053	8
13011-97209	ED(NEW)	31050	8
13011-97210	EJ	31048	9
13011-97401	K3	31049	9
13011-97404	K3	31049	9
13011-B1020	3SZ-VE	31055	9
13011-B2020	KF-VE	31062	8
13011-B2043	KF-VE2	31063	8
13011-B2110	KF-VE3	31064	8
13011-BZ010-B	D02X	31051	9
13011-BZ010-B	D02X	31052	9
13011-BZ020-B	EJ-VE	31061	9
13011-BZ040	3SZ-VE	31055	9
13011-BZ110	3SZ-VE	31055	9
13011-BZ150	1KR-VE	31065	8
13011-BZ161-001	16M-18DX	31067	9
13011-E0120	YL86	32284	14
13011-E190	J05D-TB	32272	13
13011-E190	J05D-TB	32297	13
13011-P04-G02	P04	32407	21
13011-P07-004/cyl	P08	32381	21
13011-P08-004/cyl	P08	32381	21
13011-P13-003/cyl	P13	32393	24
13011-P1R-003	P1R	32416	23
13011-P36-003	E07A	32405	20
13011-P3F-003/cyl	B20B	32387	23
13011-P5M-003/013	P5M	32389	25
13011-PA0-004/cyl	EJ	32355	20

Reference	Engine Model	TP No.	Page
13011-PA1-004/cyl	EJ	32355	20
13011-PA5-004/cyl	EJ	32355	20
13011-PA5-014/cyl	EJ-2	32359	20
13011-PA5-024/cyl	EJ-2	32359	20
13011-PA5-034/cyl	EJ-2	32359	20
13011-PA6-004/cyl	ED	32351	21
13011-PA6-014/cyl	EM-2	32364	21
13011-PAA-Y01/cyl	PAA	32384	24
13011-PB0-004/cyl	EB3	32363	20
13011-PB1-003/cyl	EK	32357	22
13011-PB2-005/cyl	EK	32357	22
13011-PC0-004	ER	32425	20
13011-PC0-005	ER	32425	20
13011-PC3-601/cyl	EK	32357	22
13011-PC3-603/cyl	EK	32357	22
13011-PC4-601/cyl	EK	32357	22
13011-PC6-004/cyl	ES	32360	22
13011-PC6-013/cyl	ES	32360	22
13011-PC7-023/cyl	ES	32360	22
13011-PCB-003/cyl	PCB	32394	23
13011-PD4-003/cyl	A18A	32367	22
13011-PD6-003/cyl	ES	32360	22
13011-PDF-004	E07Z	32401	20
13011-PE3-004/cyl	EW	32362	21
13011-PEA-003/cyl	PEA	32395	24
13011-PFB-003	PFB	32408	20
13011-PFB-J01	PFB	32408	20
13011-PH1-003/cyl	ES	32360	22
13011-PH2-003/cyl	ES	32360	22
13011-PH2-901/cyl	A18A	32367	22
13011-PH2-902/cyl	A18A	32367	22
13011-PH2-903/cyl	A18A	32367	22
13011-PH3-003/cyl	B20A	32368	22
13011-PH3-901/cyl	B20A	32368	22
13011-PH4-003/cyl	A20A	32370	22
13011-PH4-601/cyl	A20A	32370	22
13011-PH4-602/cyl	A20A	32370	22
13011-PH4-751	A20A-2	32388	23
13011-PH5-003/cyl	B20A	32368	22
13011-PH7-003/cyl	C25A-2	32372	23
13011-PHK-003/cyl	PHK	32396	23
13011-PHK-Y01	B20B	32426	23
13011-PJ5-601/cyl	B20A	32368	22
13011-PK1-003/cyl	B20A	32368	22

Reference	Engine Model	TF No.	Page
13011-PK1-751/cyl	B20A	32368	22
13011-PL2-003/cyl	C27A	32373	24
13011-PLD-004	PLD	32428	21
13011-PLH-004	D16W	32430	21
13011-PLM-A00	D17A1	32400	21
13011-PLR-A00	D17A1	32400	21
13011-PM0-B02/cyl	D16	32375	21
13011-PM0-B03/cyl	D16	32375	21
13011-PM5-G02/cyl	ZC	32376	21
13011-PM6-G02/cyl	ZC	32376	21
13011-PN8-P01	PAA	32384	24
13011-PNA-013	PNA	32410	24
13011-PNE-G02	PNE	32399	24
13011-POA-004/cyl	F22B	32383	23
13011-PPA-004	RAD	32406	24
13011-PR3-003/cyl	B16,B18	32391	22
13011-PR3-004/cyl	B16,B18	32391	22
13011-PR4-A01/cyl	B16,B18	32391	22
13011-PRA-E02	K20Z3	32429	23
13011-PT0-B01/cyl	F20A	32374	23
13011-PT0-B02/cyl	F20A	32374	23
13011-PT0-B04/cyl	P1R	32386	23
13011-PT1-505	PT1CA	32380	23
13011-PT1-M02/cyl	PT1CA	32380	23
13011-PT2-003/cyl	F22B	32383	23
13011-PT2-004/cyl	F22B	32383	23
13011-PT4-X01/cyl	F22A	32378	23
13011-PT4-X02/cyl	F22A	32378	23
13011-PT4-X03/cyl	F22A	32378	23
13011-PT4-X04/cyl	F22A	32378	23
13011-PV0-003/cyl	PV0	32392	22
13011-PV0-004/cyl	PV0	32392	22
13011-PV0-013/cyl	PV0	32392	22
13011-PV0-014/cyl	PV0	32392	22
13011-PVB-003/013	PVB	32390	24
13011-PWA-G01	REA-2	32398	21
13011-PWC-J01	REA-2	32398	21
13011-PY3-003	PY3	32415	25
13011-PY3-003/cyl	C32A	32385	25
13011-PY3-004/cyl	C32A	32385	25
13011-PY3-Y01/cyl	C32A	32385	25
13011-PY3-Y02/cyl	C32A	32385	25
13011-PZ3-003	PZ3	32409	20
13011-R40-A01	K24A	32422	24

Reference	Engine Model	TF No.	Page
13011-R40-A12	K24Z	32423	24
13011-R70-A01	R70	32413	25
13011-RAD-004	RAD	32406	24
13011-RAF-S01	K24A4	32404	24
13011-RB1-004	RB1	32414	20
13011-RBB-006	K24A2	32421	24
13011-RCA-A01	J30A4	32403	24
13011-REA-F01/cyl	REA	32397	21
13011-REA-Z01	REA-2	32398	21
13011-RL0-G00	N22A1	32417	23
13011-RNA-A01	RNA	32402	22
13011-RNA-A02	RNA	32402	22
13011-RZP-003	RZP	32411	22
13011-RZP-004	RZP	32411	22
13011-UD020	3Z	36051	104
13012-RL0-G00	N22A1	32417	23
13013-78C00-71	3Z	36051	104
13013-B1010	K3	31049	9
13015-78C00-71	3Z	36051	104
13019-1010B(cyl)	J05C	32271	14
13019-1010B(cyl)	J05C	32298	14
13019-1010B(cyl)	J08C	32263	14
13019-1030B(cyl)	P11C	32264	16
13019-1140A(cyl)	EC100	32204	11
13019-1160A(cyl)	W04C-T	32277	11
13019-1180A(cyl)	W04C-TI	32286	11
13019-1190A(cyl)	W04D-J	32287	12
13019-1370A(cyl)	J05C	32271	14
13019-1370A(cyl)	J05C	32298	14
13019-1380A(cyl)	J05C-3	32270	14
13019-1380A(cyl)	J07C-3	32269	14
13019-1380A(cyl)	J08C-3	32268	14
13019-1510A	P11C	32264	16
13019-1520A(cyl)	P11C	32264	16
13019-1540A(cyl)	EM100	32283	16
13019-1580A	K13C	32251	17
13019-1610A(cyl)	EV700	32233	18
13019-1700A	F17C	32248	18
13019-1700A	F17C	32279	18
13019-1710A(cyl)	F20C	32267	18
13019-1720A(cyl)	F20C-E	32278	19
13019-1730A(cyl)	F21C	32276	19
1352-23-130	VA	33725	43
1363-23-206	HA	33735	45

Reference	Engine Model	TP No.	Page
1456-23-206	S2	33744	45
21083-1000100-00	VAZ-21900	50095	118
21083-1004029-00	VAZ-21900	50095	118
21126-1000100-10	21126	50098	118
23040-02500	G4HA	42016	108
23040-02510	G4HA	42016	108
23040-02511	G4HA	42016	108
23040-02700	80HC	42002	108
23040-02820	SANTRO	42036	108
23040-02950	PICANTO 1.1L	43021	112
23040-02970	PICANTO 1.1L	43021	112
23040-04100	1YO	43028	112
23040-04100	1Y0	43030	112
23040-21000	X11	42018	108
23040-21110	G4EK	42019	108
23040-22010	G4EK	42004	108
23040-22050	G4EK	42039	108
23040-22051	G4EK	42039	108
23040-22300	G4K	42003	108
23040-22301	G4EA	42051	108
23040-23000	BETA	42010	109
23040-23050	BETA	42010	109
23040-23100	J2	42006	109
23040-23150	G4GA	42008	109
23040-23200	BETA	42010	109
23040-23300	TUCSON	42033	109
23040-24010	X11	42018	108
23040-24200	G4EK	42019	108
23040-25000	G4KC	42040	110
23040-25050	G4KC LPG	42043	110
23040-25200	G4KC 2.4	42044	110
23040-26001	AVANTE 1.5	42025	108
23040-26002	G4EE	42032	108
23040-26101	G4ED	42030	108
23040-26160	ALPHA 1.6	42038	108
23040-27900	3A0	42034	109
23040-27920	D4EA	42049	109
23040-27950	D4EA	42049	109
23040-27960	D4EB	42048	110
23040-2A900	AVANTE XD	42047	108
23040-2A960	D4FB	43026	112
23040-2B000	GAMMA	42045	109
23040-2B001	G4FA	42053	109
23040-2B600	G4FD	42060	109

Reference	Engine Model	TP No.	Page
23040-2B800	G4FG	42058	109
23040-2E000	2K0,Nu	42057	109
23040-2F930	R2.0L	42052	109
23040-2Y050	CARENS-2	43022	112
23040-32800	Y2	42020	110
23040-33030	G4R	42005	109
23040-33430	G4DM	42046	109
23040-37300	G6BA	42021	110
23040-38100	EF2.0	42013	110
23040-38200	G4JS	42065	110
23040-3C200	LAMBDA II 3.8	42066	111
23040-3E001	G6BA-2	42050	110
23040-41000	D4AF	42017	111
23040-41060	D4AF	42017	111
23040-41200	D4AF	42012	111
23040-41400	D4AE	42007	111
23040-42000	H100	42000	111
23040-42200	D4BA	42001	110
23040-42202	D4BA	42001	110
23040-42210	D4BA	42001	110
23040-42510	D4BH	42041	110
23040-42521	D4BF	42015	110
23040-42850	D4BF	42015	110
23040-42850	D4BF-2	42056	110
23040-45500	D4DD	42054	111
23040-48000	D4GA	42061	111
23040-4A900	D4CB	42037	110
23040-4A920	D4CB	42037	110
23040-4X920	TERRACAN	42042	111
23040-4Z900	JS	43009	113
23430-84000	D6CA	42028	111
23430-84410	D6CB	42029	111
23433-31500	G31	33883	49
24545481	S-TEC2	41020	106
271 356	GOLF 1.6L Diesel	50108	122
28198151	FORD 79.5	50029	117
28527600	FORD 79.5	50029	117
2992540	F1AE 0481C EURO3	50067	116
30017-11000	8DB	31605	60
30017-71002	6DB	31604	60
30017-71003	6DB	31604	60
30017-75002	6DB	31604	60
30017-75003	6DB	31604	60
30317-11011	4DR-10	31607	54

Reference	Engine Model	TP No.	Page
30615-51011	4DQ5	33865	53
30617-5011	8DC11	33915	63
30617-5011	8DC11	33978	63
30617-51011	4DQ5	33865	53
30817-01006	6DS1	31603	58
30817-31000	6DS5	31606	58
30917-01012	6D20	33852	61
30917-01013	6D20	33852	61
30917-20010	6D22	33868	61
31217-02010	8DC-2	33827	62
31217-60012	8DC-6	33849	63
31617-02012	4DR-5	33836	56
31617-02013	4DR-5	33836	56
31617-05102	4DR-5	33836	56
31617-05103	4DR-5	33836	56
31717-12012	6DR-5	31609	56
31717-12013	6DR-5	31609	56
31A17-00010	3SL,4SL	33442	51
32A17-02010	S4S	33984	57
3311-1205-05	DK10,20	32208	15
3334-1205-09	EB300	32217	15
3352-120507	DM100	32211	11
3352-193901	DM100	32211	11
3391-1205-04	EF100	32219	16
3400-1205-09	ED100	32218	16
34417-11011	S4E	33975	57
34417-11011	S4E-2	33455	57
3763-23-130	VB,NA	33719	42
38003-0110	EA63	35509	83
38003-4300	EA71	35510	83
38003-4320	EA71	35510	83
3975-23-130	VC	33728	43
405.1000100-561	ZMZ-40906	50094	118
40524.1000100-10	ZMZ-40906	50094	118
406.1000100	406	50090	117
421.1000100	421	50091	118
48003-5400	EK23	35514	83
48003-5600	E42	35520	83
48003-5610	E42	35520	83
48003-5700	EF10	35521	83
48003-7000	EA65	35516	83
48003-7100	EA81-2	35517	83
48003-7101	EA65-2	35522	83
5-12121-001-0/cyl	4BA-1	32529	31

Reference	Engine Model	TP No.	Page
5-12121-002/cyl	4/6BB1	32683	34
5-12121-002/cyl	6BB-1	32542	34
5-12121-004/cyl	4BC-1	32558	33
5-12121-004/cyl	4BC-1	62558	33
5-12121-004/cyl	4BC-1	62560	33
5-12121-005/cyl	4BB-1	32545	33
5-12121-005/cyl	4/6BB1	32683	34
5-12121-006/cyl	6BF-1	32559	34
5-12121-006/cyl	6BF-1	62559	34
5-12121-007-0/cyl	C240	32527	28
5-12121-007-0/cyl	C240	32527	28
5-12121-007-0/cyl	C240	32600	28
5-12121-008-0	C190G	32648	28
5-12121-011-0/cyl	3AE-1	32565	26
5-12121-012-0/cyl	3AF-1	32564	26
5-12121-013/cyl	C221	32521	27
5-12121-014/cyl	C221	32521	27
5-12121-017/cyl	C223	32557	29
5-12121-019/cyl	4BA-1	32529	31
5-12121-021-0/cyl	C190-2	32569	28
5-12121-022/cyl	4/6BB1	32683	34
5-12121-022/cyl	6BB-1	32542	34
5-12121-055/cyl	4/6BB1	32683	34
5-12121-055/cyl	6BB-1	32542	34
5-12181-003/cyl	4BB-1	32545	33
5-12181-003/cyl	4/6BB1	32683	34
5-12181-015/cyl	C221	32521	27
5-12181-020/cyl	D500	32524	32
5-12181-020/cyl	D500	62524	32
5-12181-023/cyl	4/6BB1	32683	34
5-12181-023/cyl	6BB-1	32542	34
5-12181-024/cyl	4BB-1	32545	33
5-12181-024/cyl	4/6BB1	32683	34
5-12181-025/cyl	4BA-1	32529	31
5-12181-027-0/cyl	C240	32527	28
5-87310-519-0	4JK1	32647	30
5001014518	MIDR 135mm	50109	121
5010295586	MIDR/D2066	50107	121
55581399	E-TEC 2	41019	106
65.02503-8058	DB58 102	44007	115
65.02503-8146	1146	41003	107
65.02503-8236	2366	41006	107
65.02503-8251	2848 M	41004	107
65.02503-8252	2848 NEW	41005	107

Reference	Engine Model	TP No.	Page
65.02503-8255	2848	44009	115
65.02503-8256	DV15 TIS	44011	115
6650300524	D20DT	50079	121
71713060	188 A6.000	50038	116
7701474857	RENAULT 79.5	50065	121
8-92062-027-0/cyl	X22SE	32678	29
8-92064-589-0/cyl	22LE	32661	29
8-92064-591-0/cyl	C22-NE	32635	28
8-92065-115-0/cyl	X22SE	32679	29
8-93359-241	D-MAX 2.4L	32657	29
8-94100-355/cyl	C223	32557	29
8-94104-949-0/cyl	C190-2	32569	28
8-94109-650-0/cyl	4XC1-H	32591	26
8-94119-545-0/cyl	4ZC-1	32573	30
8-94130-293-0/cyl	G161-2	32570	27
8-94130-295/cyl	G200ZN	32577	29
8-94136-778-0/cyl	4ZD-1	32579	30
8-94139-973/cyl	4FB-1	32556	28
8-94141-443-0/cyl	G180-2	32572	28
8-94141-947-0/cyl	4XC1	32590	26
8-94144-187-0/cyl	4EC1	32589	26
8-94153-966-0/cyl	4ZD-1	32579	30
8-94162-769-0/cyl	4XC1-H	32591	26
8-94169-748-0	4FE1	32659	26
8-94206-294/cyl	G161Z	32534	27
8-94208-205-0/cyl	G180Z	32536	27
8-94216-639/cyl	G161Z	32534	27
8-94216-640/cyl	G180Z	32536	27
8-94216-641/cyl	G200	32555	29
8-94224-221/cyl	4FB-1	32556	28
8-94231-817-0/cyl	G200ZN	32577	29
8-94235-877-0/cyl	G180-2	32572	28
8-94235-878-0/cyl	4ZC-1	32573	30
8-94244-403-0/cyl	G161-2	32570	27
8-94244-404-0/cyl	G180-2	32572	28
8-94247-867-0/cyl	4JA-1	32575	30
8-94247-867-0/cyl	4JA-1	62575	30
8-94247-867-0/cyl	4JB1	32612	30
8-94249-218-0/cyl	G180-2	32572	28
8-94250-730/cyl	4FD1	32650	30
8-94253-736-0/cyl	C223-2	32574	29
8-94332-767-1/cyl	4EC1	32589	26
8-94370449-0	4JG2-2	32691	31
8-94378-440-0/cyl	3KR1	32592	27

Reference	Engine Model	TP No.	Page
8-94379-486-0/cyl	4JG1	32636	31
8-94381-709-1/cyl	4EE1,4EE2	32613	26
8-94390-529-1/cyl	6HE1-TC	32638	35
8-94390-799-0/cyl	6HH1	32627	36
8-94390-799-0/cyl	6HH1	32646	36
8-94391-502-4	6HK1-TC	32712	36
8-94392-128-1	6HH1-2	32701	36
8-94395-061-5/cyl	6HE1-TC	32638	35
8-94396-840-0/cyl	6HE1	32606	35
8-94405-614-2/cyl	4ZE1	32596	30
8-94409-555-0/cyl	4ZC-1	32573	30
8-94411-295-1/cyl	3KC1	32588	26
8-94411-305-0/cyl	3KB1	32586	26
8-94418-918-0/cyl	4BE-1	32602	34
8-94418-918-0/cyl	4BE-1	62602	34
8-94421-650-0/cyl	3KR1	32592	27
8-94446-957-1/cyl	4ZE1	32594	30
8-94447-415-0/cyl	G200ZN	32577	29
8-94452-743-0/cyl	4ZA1	32605	27
8-94469-634-0/cyl	4FG1	32598	30
8-97028-691-0/cyl	4HF1	32608	35
8-97034-609-0/cyl	4LB1	32630	26
8-97037-372-0/cyl	6VD1-EXP	32675	31
8-97048-921-0/cyl	3LA1	32620	26
8-97078-779-0/cyl	4HE1	32677	35
8-97080-215-0/cyl	4JG2	32607	31
8-97105-867-0/cyl	4HK1-TC	32631	35
8-97105-867-0/cyl	4HK1/6HK1	32682	36
8-97109-462-0/cyl	4HF1	32604	35
8-97113-503-0/cyl	3LD1	32622	27
8-97113-762-0/cyl	3LB1	32621	26
8-97117-686-0/cyl	4BD2	32639	33
8-97123-833-0/cyl	4BG1	32618	34
8-97127-562-0/cyl	6VD1	32614	30
8-97136-135-0/cyl	6VD1(98MY)	32674	31
8-97141-208-0/cyl	4LE1	32624	28
8-97162-198-0/cyl	6VD1	32614	30
8-97166-992-0	4HE1-TC	32707	35
8-97170-113-0/cyl	6VD1-2	32629	30
8-97184-533-0	4JX1	32680	31
8-97219-054-0/cyl	4HK1-TC	32631	35
8-97219-054-0/cyl	4HK1/6HK1	32682	36
8-97259-941-0	D-MAX 2.4L	32657	29
8-97259-941-0	D-MAX 3.0	32644	31

Reference	Engine Model	TP No.	Page
8-97319-087-0	4JK1	32647	30
8-97331-641-0/cyl	4HL	32658	36
8-97371-553-0/cyl	6VE1	32628	30
8-97388-734-0/cyl	4JJ1	32634	31
8-97601-318-1	6HL1-TC	32696	36
8-97603-423-1/cyl	4HK1/6HK1	32682	36
8-97603-423-1/cyl	6HK1-TC	32632	36
8-97941-122-0/cyl	4JH1	32623	31
8-98017-166-0/cyl	4HK1-X	32663	35
8-98017-166-0/cyl	4HK1-X	32684	36
8-98017-166-0/cyl	4HK1X	32692	36
8-98040-125-0/cyl	4HK1/6HK1	32682	36
8-98040-125-0/cyl	6HK1-TC	32632	36
8-98053-579-0	4JJ1-2	32652	31
8-98054-995-0	4HG1-T	32645	36
8-98054-995-0	4HG1-T	32685	36
8-98056464-1	6UZ	32716	38
8-98057-222-0	4JJ1TC	32664	31
8-98096-676-0/cyl	4JJ1	32634	31
8-98114-299-0/cyl	4LE1T/LE2X	32669	28
8-98167539-0	4HK1	32718	35
80 00372 1 0 000	M 160 R3	50037	118
8034-23-130	TC(NEW)	33739	41
8034-23-130A	TC(NEW)	33739	41
8170-23-130	NA(NEW)	33742	43
8170-23-130A	NA(NEW)	33742	43
8569-23-130	UC	33741	42
8569-23-130A	UC	33741	42
8658-23-130	NA(NEW)	33742	43
8682-23-130	VC(NEW)	33737	43
8682-23-130A	VC(NEW)	33737	43
9-12181-028/cyl	DA640	32507	33
9-12181-048/cyl	DA640	32507	33
9-12181-055/cyl	G150	32513	26
9-12181-057/cyl	C220	32502	27
9-12181-062/cyl	C220	32502	27
9-12181-063/cyl	DA120	32506	32
9-12181-064/cyl	DA640	32507	33
9-12181-071/cyl	G150	32513	26
9-12181-083/cyl	DH100A	32519	37
9-12181-086/cyl	DH100A	32519	37
9-12181-091/cyl	DA120	32506	32
9-12181-092/cyl	DA640	32507	33
9-12181-093/cyl	DA220	32505	32

Reference	Engine Model	TP No.	Page
9-12181-099/cyl	D370	32516	30
9-12181-100/cyl	C220	32502	27
9-12181-113/cyl	G161Z	32534	27
9-12181-114/cyl	DH100A	32519	37
9-12181-115/cyl	D920	32522	38
9-12181-122/cyl	C221	32521	27
9-12181-137/cyl	D920	32541	38
9-12181-138/cyl	C240	32528	28
9-12181-138/cyl	C240	62528	29
9-12181-138-0/cyl	C240	32601	29
9-12181-141/cyl	G161Z	32534	27
9-12181-149/cyl	E120	32525	39
9-12181-153/cyl	D920	32522	38
9-12181-602/cyl	G201	32538	29
9-12181-603/cyl	C240	32527	28
9-12181-603/cyl	C240	32527	28
9-12181-603/cyl	C240	32600	28
9-12181-605/cyl	G180Z	32536	27
9-12181-608/cyl	D500	32524	32
9-12181-608/cyl	D500	62524	32
9-12181-615/cyl	G180Z	32536	27
9-12181-616/cyl	G161Z	32534	27
9-12181-801/cyl	4BA-1	32529	31
92062817	E-TEC	41015	106
92067238	OPTRA	41009	106
92067904	Z24 XE	50123	115
93190365	A16XER	50119	120
93235611	E-TEC I 1.6	50032	115
93294730	T18SED	50121	115
93332835	E-TEC I 1.8L	50078	115
93736247	S-TEC III 1.4L	50059	115
93740225	AVEO 1.6	41011	106
93740229	AVEO-2	41013	106
93742700	T18SED	41018	106
93742700	T18SED	50121	115
93742961	T200	41010	106
93744884	S-TEC2	41020	106
93744928	E-TEC 2	41019	106
93744936	F14D4	50120	115
93745432	T18SED	50121	115
96325192	4EA	41008	106
96325192	F8CV	41012	106
96325192	F8CV-2	41017	106
97011-02139	ED30	34609	76

Reference	Engine Model	TP No.	Page
992-5113-1410-00	DG(OLD)	31022	10
AA100-11-120	TOWNER 70	44001	114
AA92A-11120	F17-2	32274	18
B1Y1-11-SCOA	B1	33756	41
B1YO-11-SCO	B1	33756	41
B3Y1-11-SCOA	B3	33757	41
B3YO-11-SCO	B3	33757	41
B6Y3-11-SCOA	B6	33759	42
B6Y6-11-SCOA	B6	33759	42
B6YO-11-SCOA	B6-2	33793	42
BPY1-11-SCO	BP	33769	43
D27Z6149	VB,NA	33719	42
D77Z6108	VB,NA	33719	42
D97Z-6149	VC(NEW)	33737	43
E101-23-130	E1	33752	41
E301-23-130	E3	33743	42
E301-23-130A	E3	33743	42
E302-23-130A	E5-2	33750	42
F2Y1-11-SCO	FE	33800	44
F2Y2-11-SCO	FE	33800	44
F601-23-130	F6	33748	43
F801-23-130	F8	33747	44
F801-23-130A	F8	33747	44
FORD:AS7J6148BA	LF-DE	33790	44
FSY2-11-SCO	FS	33761	44
FSY2-11-SCOA	FPD, FSD	33791	44
FSY2-11-SCOA	FS	33762	44
G # 08-176300-00	OM400/420	80018	125
G #08-990105-00	VENTO1.9 D	50111	123
G601-11-SCOA	G6	33784	45
GOE# 0810420000	K7M	50064	121
H604-23-130	NA(NEW)	33742	43
H617-23-130	NA-2	33746	43
HE05-23-130	MA-2	33745	43
HE18-23-130	VC(NEW)	33737	43
(Hyundai)	G31	33883	49
K1YH-11-SCO	PRIDE1.3	43008	112
K2Y2-11-SCO	AVELLA	43023	112
K2YA-11-SCO	AVELLA	43023	112
K480-23-206	SS	43003	113
K4Y0-11-SCO	SL	33801	46
K4Y1-11-SCO	K3600	43011	113
K4Z0-11-SCO	SS	43003	113
K5Z1-11-SCO	J3	43014	113

Reference	Engine Model	TP No.	Page
K6Z1-11-SCO	JS	43009	113
K7Y0-11-SCO	NB1(NEW)	43024	113
K7Y1-11-SCO	R2	43013	113
K7Z0-11-SCO	SF	43001	113
K7Z1-11-SCO	JT	43010	113
K8Y2-11-SCO	K8-DE	33803	41
K9Y1-11-SCO	KV20	43015	112
KK1Y8-11-SCO	B1	43002	112
KLY2-11-SCOA	KL	33768	44
KOBR1-11-SCO	D6DA	42062	111
KOYO-11-SCO	HA1	43004	113
KS# 800114111000	CBZA 1.2L	50114	121
L3Y1-11-SCOA	LF-DE	33790	44
L3Y3-11-SCO	LF-DE	33790	44
L3Y4-11-SCO	L3T	33805	44
L3Y6-11-SCO	LF-DE	33790	44
L8Y1-11-SCOA	L8-DE	33807	42
LFY1-11-SCOA	LF-DE	33790	44
M # 029 55 N3	GOLF 1.6L Diesel	50108	122
M # 209 22 V0	MIDR/D2066	50107	121
M # 209 53 N0	MIDR 135mm	50109	121
M# 028RS001300N0	CBZA 1.2L	50114	121
M# A48910	OM611	50117	119
MD000725	4G32	33832	50
MD000770	4G30	33830	48
MD003184	4G35	33840	51
MD004709	4G32	33832	50
MD004739	4G32	33832	50
MD004770	4G32	33832	50
MD004835	4G35	33840	51
MD005885	4G32	33832	50
MD007251	4G32	33832	50
MD008105	4G32	33832	50
MD009539	4G36-EC	33880	48
MD009625	4G33	33856	48
MD010710	4G41	33839	50
MD010715	4G41	33839	50
MD010755	4G42	33841	48
MD010850	4G42	33841	48
MD011810	2G25	33891	51
MD011893	4G41	33839	50
MD011965	2G23	33894	48
MD012025	G12	33859	49
MD012035	G12	33859	49

Reference	Engine Model	TF No.	Page
MD012765	G32-T	33870	51
MD016760	2G21	33844	47
MD016765	2G21	33844	47
MD018280	2G24	33882	50
MD019470	2G22	33847	47
MD019610	2G23	33855	47
MD021010	4G52	33845	53
MD021035	4G52	33845	53
MD021070	4G52	33845	53
MD023060	4G51	33842	52
MD025000	4G53	33846	54
MD025089	G54	33860	56
MD026835	G54	33860	56
MD026960	G54	33860	56
MD026985	4G53	33846	54
MD027010	4G52	33845	53
MD027140	G54	33860	56
MD030350	4G11	33858	47
MD030355	G12	33859	49
MD030360	4G11-G	33857	47
MD031670	4G11	33858	47
MD031700	G12	33859	49
MD031730	4G11-G	33857	47
MD034010	4G33-H	33907	49
MD040465	G62-T	33871	52
MD040610	G62B	33863	52
MD040640	4G63	33866	53
MD040840	4G63	33866	53
MD041580	4G63	33866	53
MD050390	4D56-TC	33862	55
MD050390	4D56-TC-2	33465	55
MD050395	4D55-NA	33861	55
MD061258	G54-T	33872	56
MD062387	G32-T	33870	51
MD071206	4D6	33878	51
MD071206	4D65	33904	51
MD074687	G13-B	33875	48
MD074725	G15-B	33876	50
MD076170	G54-U	33931	56
MD077113	G62-T	33871	52
MD078209	4D6	33879	51
MD078309	4D6	33879	51
MD078543	G13-B	33875	48
MD078548	G15-B	33876	50

Reference	Engine Model	TF No.	Page
MD080598	G54-T	33872	56
MD083152	2G25	33891	51
MD085346	4G64B	33935	54
MD093337	G32-T	33870	51
MD099430	G32-T	33870	51
MD100467	4G63	33892	53
MD101895	G54-C	33929	56
MD103391	4D56-TC	33862	55
MD103391	4D56-TC-2	33465	55
MD104656	G15-B	33876	50
MD104889	6G71	33400	49
MD104922	6G72-C	33890	55
MD104923	6G72-C	33890	55
MD104939	6G72-C	33890	55
MD104940	6G72-C	33890	55
MD105516	4G63	33892	53
MD106028	4G37	33885	51
MD106736	G62B	33863	52
MD106741	4G32	33832	50
MD106752	G54-T	33872	56
MD107368	G31	33883	49
MD107813	G54	33860	56
MD107818	G54	33860	56
MD110632	4G32-2	33884	50
MD115490	G13-B	33875	48
MD115495	4G11-G	33857	47
MD115500	4G33-C	33895	48
MD116000	4D65	33889	51
MD120081	3G82	33896	47
MD127017	4D65	33904	51
MD127022	4D6	33878	51
MD127022	4D65	33904	51
MD129548	6G72-C	33890	55
MD133485	4G63EX	33414	53
MD133495	4G61	33932	52
MD136692	4D6	33879	51
MD140923	4G63K	33924	53
MD154012	4G37-EC	33954	52
MD156165	G15-C	33432	50
MD156170	4G13-C	33401	48
MD158334	6G72	33920	55
MD158549	4G15(NEW)	33898	49
MD158908	4G13(NEW)	33897	48
MD159836	6G73	33433	53

Reference	Engine Model	TP No.	Page
MD160195	3G83-N	33974	47
MD165325	4G17	33900	48
MD165949	6G72-2	33965	55
MD165949	6G72,S2,S4	33428	56
MD168293	4D56-IC/TC	33921	55
MD173206	4G92	33902	52
MD173211	4G92	33902	52
MD177113	4G91	33945	51
MD177118	4G92-D4	33466	52
MD177120	4G92-D4	33466	52
MD177122	4G92-D4	33466	52
MD180348	4G93-GDI	33955	52
MD180804	4G15(NEW)	33898	49
MD187168	4G15L	33403	49
MD189104	6A12-NA	33940	51
MD189109	6A11-S4	33998	49
MD189119	6A12 T/C	33424	51
MD192815	4G64	33936	54
MD194597	4G64	33936	54
MD195810	4G63(NEW)	33919	53
MD195828	4G64-S	33957	54
MD195850	4G63K	33924	53
MD195872	4G64	33925	54
MD197162	4D68-NA	33905	52
MD197187	4D68T	33963	52
MD300569	6G74	33933	56
MD301803	6G72	33920	55
MD301803	6G72	33920	55
MD301853	4A30	33973	47
MD301870	4A30T	33971	47
MD302644	6A12	33941	51
MD310257	6G73	33951	53
MD313405	4G63(NEW)	33919	53
MD322783	6G74-S4	33981	57
MD323843	6G72-MIVEC	33429	56
MD329755	6G72,S2,S4	33428	56
MD331313	4G15-S3	33946	49
MD335422	4G13-N	33944	48
MD336735	6A13-S4	33967	52
MD336736	6A13-D4,T/C	33425	52
MD339229	6A13-D4,T/C	33425	52
MD344094	6A13-S4	33967	52
MD344095	6A13-S4	33967	52
MD349422	4G18	33934	50

Reference	Engine Model	TP No.	Page
MD351097	6G73	33951	53
MD354879	6G72	33920	55
MD355642	6G74-MIVEC	33415	57
MD357240	4G93-GDI	33955	52
MD361982	4G18-2	33937	50
MD361983	4G18-3	33938	50
MD362974	3G83-N	33972	47
MD366688	6G74-GDI 93	33416	56
MD369253	6G74-MIVEC	33415	57
MD369575	6G74	33933	56
MD370494	6G73-GDI	33434	53
MD371157	4G94-S4	33966	52
MD371189	4G94-S4	33966	52
MD372395	4G15	33468	49
MD374009	6G72-S4	33408	55
MD377324	4G69	33983	54
ME012010	4D30	33943	59
ME012070	4D30	33943	59
ME012848	4D31T	33912	59
ME020382	6DS1	31603	58
ME020427	6DS5	31606	58
ME021376	6DS1	31603	58
ME021382	6DS5	31606	58
ME021855	6DS3	31610	58
ME021856	6DS5	31606	58
ME021861	6DS7	31611	58
ME021861	6DS7-3	31613	58
ME023327	6DS3	31610	58
ME023327-2	6DS3	31610	58
ME023333	6DS7	31612	58
ME023333-2	6DS7	31612	58
ME024409	6DS7	31611	58
ME024409	6DS7-3	31613	58
ME032071	6D14	33851	59
ME032190	6D10	33850	59
ME032190-01	6D10	33850	59
ME032260	6D14	33851	59
ME032326	6D10	33850	59
ME032403	6D15	33867	60
ME032404	6D10	33850	59
ME032404	6D14	33851	59
ME032458	6D14	33851	59
ME052124	6D22	33868	61
ME052145	6D20B	33881	61

Reference	Engine Model	TP No.	Page
ME052758	6D22-C	33958	61
ME052787	6D22T	33927	61
ME052889	6D22-T	33916	61
ME062018	8DC-9	33869	63
ME062022	8DC-81	33874	63
ME062086	8DC-6	33849	63
ME062090	8DC-9	33888	63
ME062109	8DC-2	33827	62
ME062230	8DC-9	33869	63
ME062246	8DC-81	33874	63
ME062298	8DC-4	33873	62
ME065684	8DC-81	33874	63
ME072306	6D15	33867	60
ME090578	8DC91T	33913	63
ME090582	8DC10	33459	63
ME090586	8DC11	33915	63
ME090586	8DC11	33978	63
ME120536	6D40-T	33439	62
ME190317	4M42	33968	58
ME201522	4M40	33982	57
ME201772	4M40-TI	33467	58
ME202148	4M40-TC	33952	57
ME202342	4M40-NA	33922	57
ME202940	4M40-T	33447	57
ME202950	4M40-NA	33922	57
ME203533	4M41-TI	33956	58
ME990062	N6M60T	33437	61
ME990063	N6M60T	33438	61
ME993211	4M42	33968	58
ME993212	4M42	33968	58
ME993913	4M50	33443	60
ME993947	6M60T	33953	61
ME993948	6M60T	33953	61
ME993950	6M60T	33436	61
ME995113	4M51-2	33970	60
ME995114	4M51-2	33970	60
ME995115	4M51-2	33970	60
ME995214	4D35-2	33456	59
ME995237	4D35	33959	59
ME995467	6D22-T	33916	61
ME995535	6D16TL	33413	60
ME995536(cyl)	6D16TL	33413	60
ME9955608(cyl)	6M61	33451	61
ME995562	6M61	33451	61

Reference	Engine Model	TP No.	Page
ME995590	4M50	33443	60
ME995591	4M51	33969	60
ME995592	4M51	33969	60
ME995593	4M51	33969	60
ME995636	6D24T	33960	62
ME995747	4M40-TI	33467	58
ME995748	4M40-TI	33467	58
ME995855/cyl	6M70	33457	62
ME995857	6M70	33457	62
ME996163	8M20	33452	63
ME996167	8M21	33453	64
ME996378	4D33A	33923	59
ME996442	6D34T	33441	59
ME996591	6D16T	33942	61
ME996593	6D17	33976	61
ME996628	4D35	33959	59
ME997240	4D34	33950	59
ME997256	4DR7	33909	57
ME997318	4D32	33939	59
ME997396	4D31T	33912	59
ME997398	4D31T	33912	59
ME997456	6D15T	33961	60
ME997465	6D14T	33928	60
ME997466	6D15T	33961	60
ME999540	6D16	33893	60
ME999641	4D32	33939	59
ME999717	6D31	33947	59
ME999783	6D31T	33948	59
ME999836	6D31T	33948	59
ME999929	6D15T	33961	60
ME999952	6D14-2	33448	59
ME999954	6D15T	33961	60
ME999955	6D16	33893	60
ME999955	6D16	33910	60
ME999990	8DC11	33915	63
ME999990	8DC11	33978	63
MK667801/F1CFA401A	4P10 95.8	50097	116
MM431579	K3,4E	33445	50
MM433152	L2E,L3E	33987	50
MM437295	K4F-DT	33985	51
MM438689	K4N	33986	54
MN119569	4G19 75.5	33405	49
MN119685	6G74-GDI-1 93	33410	57
MN149594	4G63S	33980	53

Reference	Engine Model	TP No.	Page
MN183585	4G94-S4	33966	52
MN183867	6G75	33993	58
MN187178	4G94-S4	33966	52
MN187179	4G94-S4	33966	52
MN187664	6G72-GDI-3	33407	55
MN187669	6G73-GDI-3	33406	53
MN187677	6G74-GDI-2 93	33411	57
MN187678	6G74-GDI-2 93	33411	57
MN187679	6G74-GDI-2 93	33411	57
MN187682	6G74-GDI-2 93	33411	57
MN187683	6G74-GDI-2 93	33411	57
MN187684	6G74-GDI-2 93	33411	57
MN195612	4A91	33450	49
MN433712	L2C,L3C	33446	48
MN433713	L2E	33444	50
NE No.8931200000	D2866/40/42	50110	118
NE No.8950522500	LT35	50101	123
NE# 120 007 0003	M40B18E	50122	114
NE# 120 007 0032	M43B19	50126	114
NE# 120 020 0015	199B1.000	50127	116
NE# 120 020 0044	176 A7.000	50124	116
NE# 120 021 0003	NBA, NBC, NES, N8B, N9A	50129	117
NE# 120 021 0046	ZH14 Zetec S,SE	50130	117
NE# 120 021 0058	CGBA, CGBB	50131	117
NE# 120 035 0042	X 10 XE, Z 10 XE	50132	119
NE# 120 035 0050	Z 10 XEP	50133	119
NE# 120 037 0070	5FG(EP6CDTR)	50134	120
NE# 120 050 0003	BLG, BMY	50135	122
NE# 120 110 0001	M160.910, Smart OE	50136	118
NE# 120 110 0003	M160.920, Smart OE	50137	118
NE# 8950480000	VW 79.5	50061	122
NE# 895085000	AHL, ALZ, ANA, ARM, AVU	50075	123
NP1015	1.5L	41001	106
NP1016	1.5L	41001	106
NP960	1.5L	41001	106
PN11-11-SCO	PN	33755	42
R201-23-130A	R2	33751	44
R201-23-130B	R2	33751	44
R2B6-11-SCO	R2(New)	33760	44
RFO1-23-130	RFX	33789	44
RFYO-11-SCOD	RFX	33789	44
RRK83016A	SANTANA	50099	123
S1220014	AVEO 1.6	41011	106
S1301-14070-B	S05D	32285	15

Reference	Engine Model	TP No.	Page
S1301-91910-B(cyl)	S05D	32285	15
S1301-92080	J08ET	32295	14
S1304-E0020	N04C	32304	11
S1304-E0040	J08C-4	32294	14
S1304-E0060	W04D-J	32287	12
S1304-E0070(cyl)	YL86	32284	14
S1304-E0090	E13C	32306	17
S1304-E0150(cyl)	J05D-TB	32272	13
S1304-E0150(cyl)	J05D-TB	32297	13
S1304-E0210	J05C	32271	14
S1304-E0210	J05C	32298	14
S1304-E0240	W04C-T	32277	11
S1304-E0251	1W	36029	105
S1304-E170	W04C-TI	32286	11
SE01-23-130	HA	33735	45
SE01-23-206	HA	33735	45
SL01-23-206A	SL	33785	46
SL07-23-206	SL	33765	46
SL07-23-206	SL	33801	46
SL50-11-SCO	SL	33801	46
SM#793556-00-1	Z10XEP	50113	119
SM# 795012-00-4	CBZA 1.2L	50114	121
TF01-11-SCO	TF	33766	46
TMYO-11-SCO	TM	33780	46
V101-23-206	ZB,XB	33767	45
V101-23-206	ZB	43006	113
VNY1-11-SCO	RFA	43007	113
VSU1-11-SCOD	VS	33794	45
W9Y1-11-SCO	W9	33783	45
WEY1-11-SCO	WE-2	33802	45
WLY1-11-SCO	WL	33781	45
WLY6-11-SCO	WE	33799	45
Z5Y0-11-SCO	Z5	33787	42
ZJY1-11-SCO	ZJ-VE	33806	41
ZJY4-11-SCO	ZJ	33804	41
ZLY0-11-SCO	ZL	33788	43
ZYY1-11-SCO	ZY-VE	33795	43
ZYY2-11-SCO	ZY-VE	33795	43

[illegible]

NUMERICAL LISTING

(TP No.)

TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page
31016	8	31611	58	32270	14	32373	24	32423	24	32567	37
31022	10	31612	58	32271	14	32374	23	32425	20	32568	38
31024	9	31613	58	32272	13	32375	21	32426	23	32569	28
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31035	10	32215	15	32282	15	32386	23	32507	33	32580	36
31036	10	32217	15	32283	16	32387	23	32508	37	32582	37
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31038	9	32219	16	32285	15	32389	25	32516	30	32585	38
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31041	8	32222	12	32287	12	32391	22	32518	33	32588	26
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31609	56	32268	14	32370	22	32421	24	32564	26	32624	28
31610	58	32269	14	32372	23	32422	24	32565	26	32625	33

TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page
32626	34	32688	32	33438	61	33739	41	33806	41	33883	49
32627	36	32691	31	33439	62	33741	42	33807	42	33884	50
32628	30	32692	36	33441	59	33742	43	33827	62	33885	51
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32633	38	32699	39	33446	48	33747	44	33840	51	33892	53
32634	31	32701	36	33447	57	33748	43	33841	48	33893	60
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32636	31	32707	35	33449	54	33751	44	33844	47	33895	48
32637	37	32712	36	33450	49	33752	41	33845	53	33896	47
32638	35	32715	39	33451	61	33755	42	33846	54	33897	48
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32643	32	33401	48	33456	59	33761	44	33852	61	33905	52
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32646	36	33406	53	33460	47	33766	46	33857	47	33910	60
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32648	28	33408	55	33462	49	33768	44	33859	49	33913	63
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32663	35	33416	56	33714	43	33788	43	33868	61	33924	53
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32685	36	33437	61	33737	43	33805	44	33882	50	33938	50

TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page
33939	59	33986	54	34063	68	34115	78	34170	71	34503	80
33940	51	33987	50	34064	74	34116	75	34171	79	34504	81
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33955	52	34023	69	34082	66	34135	75	34189	73	35509	83
33956	58	34025	67	34084	66	34136	76	34190	74	35510	83
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33985	51	34062	67	34114	74	34169	72	34502	80	35617	87

TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page
35618	85	35847	103	35900	93	35950	90	36019	88	41010	106
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TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page	TP No.	Page
42045	109	44005	120	50069	117	50126	114				
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43027	113	50065	121	50121	115						
43028	112	50066	121	50122	114						
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NEW PACKAGING for CYLINDER LINERS

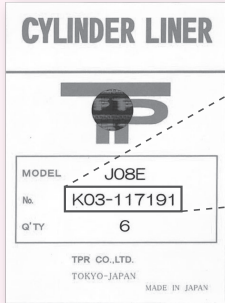
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NEW

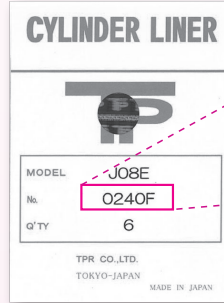


OLD



K03-117191

NEW



0240F

TPR has revised the design of our Product Packaging and amended the Part Numbers displayed on the Labels of our CYLINDER LINERS.

TPR لقد قمنا بتعديل التصميم الخارجي لتغليف منتج الاسطوانة , كما وعدنا في الرقم المعروف على الملصق الخارجي للاسطوانة.

TPR نے اپنے سیلنڈر لائنر کی پیکنگ کا ڈیزائن تبدیل کرنے کے ساتھ لیبل پر پارٹ نمبر کا انداز بھی تبدیل کر دیا ہے۔

TPR CO.,LTD.

<http://www.tpr.co.jp>

NEW PACKAGING for CYLINDER LINERS

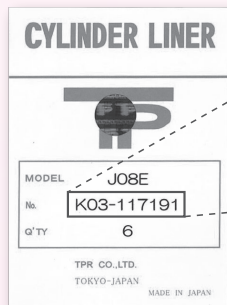
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NEW

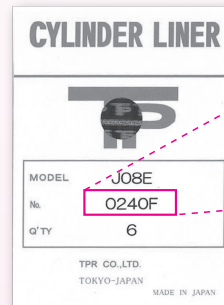


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K03-117191

NEW



0240F

TPR has revised the design of our Product Packaging and amended the Part Numbers displayed on the Labels of our CYLINDER LINERS.

TPR变更了气缸套的包装箱设计以及标签上的编号。请注意！

La fabrica TPR ha cambiado el diseño de la caja y la prentación del codigo para las camisas en la etiqueta.

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TP ENGINE TROUBLE TRACER

USE RELIABLE PARTS
TO AVOID UNEXPECTED ENGINE PROBLEMS

										● direct cause ▲ indirect cause										
	Parts	Problem	Inappropriate Use							Inadequate Maintenance						Others				
			Intake dust	Foreign matter in the fuel	Inferior fuel	Unsuitable oil	Over loading	Over revving	Over heating	High load low engine speed	Engine oil			Intake		Cooling water	Past its life span	Parts		
											Deterioration	Foreign matter in the fuel	Insufficient quantity	Dust contamination	Cleaner clogging	Insufficient quantity		Anomaly	Misassembly	Wrong part assembled
Oil leaking into combustion chamber		Scuffing			▲	●	▲	●						▲		●	▲			
		Anomalous wear	●	●	▲	●	▲			●	●	●	●	●						
		Excessive closed gap	▲	▲	▲						▲	▲								●
		Breakage	▲	▲	▲			●	▲			▲		▲	▲		▲		▲	▲
		Deformation					▲		▲								●	▲	▲	
		Ring sticking		▲	▲	●		●	●	●	▲	▲	▲							▲
		Carbon deposition on top land		▲	●	●			▲		▲	▲	▲							
		Piston scuffing					●		●		▲					●	●			▲
		worn ring groove	●	●	▲	●		●									●			
		Deformation					▲		●							▲		●	●	
		Wear	●	●	▲	●	▲		▲	▲	●	●	▲	●	●	▲				
		Cavitation erosion					▲		▲											
Oil failing	Valve 	Wear	●			●		▲			●	●		▲				▲		▲
	Valve Guide 	Wear	●			●		▲			●	●		▲				▲		▲
	Valve Seal 	Wear	●		▲	●		▲			●	●		●	●			▲		
Oil leaking		Worn shaft	●			●			▲			●	▲	●	●					
		Seeling degradation	●			●			▲			●	▲	●	●					



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