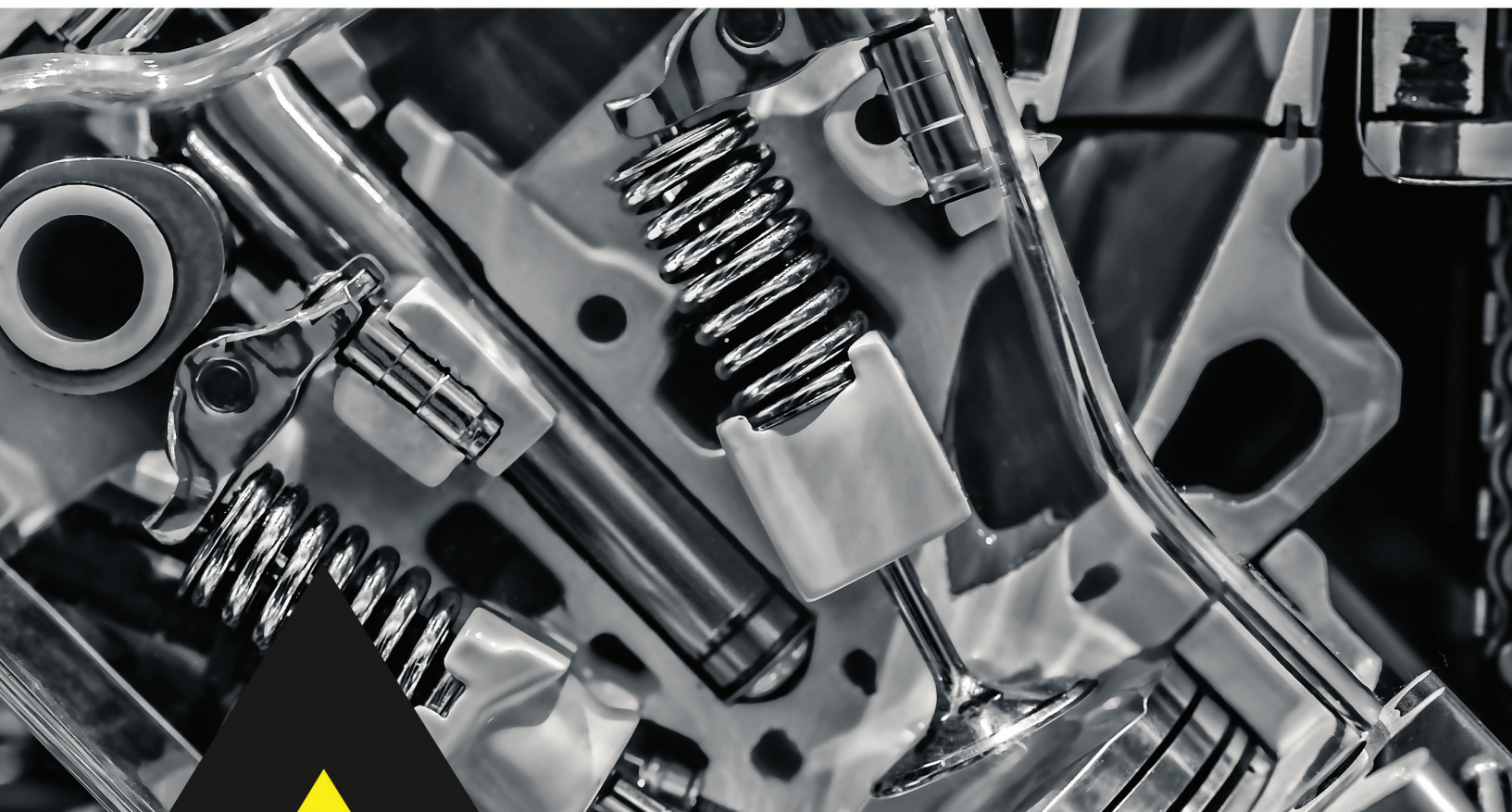




HANSWERK



About Hanswerk

ENG

HANSWERK brand offers quality spare parts at an affordable price. It delivers a wide range of components for motors and their accessories. It provides solid and reliable products that quickly gain the trust of customers looking for reliable parts at reasonable prices.

The characteristic yellow and black packaging design guarantees that all components come from reliable manufacturers.

All items offered by HANSWERK meet the strict technical requirements and have the appropriate certificates. HANSWERK branded components are used in the latest models of cars and their older counterparts.

Small companies and private enterprises are looking for solutions to reduce their maintenance costs and increase productivity in more and more competitive markets. It also means that owners are increasingly looking beyond the initial outlay and searching for longer lasting and more reliable performance as well as lifecycle cost efficiency. By purchasing Hanswerk products you can meet all requirements of customers in this demanding market.

Über Hanswerk

DE

Die Marke HANSWERK bietet hochqualitative Ersatzteile zu konkurrenzfähigen Preisen. Die umfangreiche Produktpalette umfasst Motorteile und Motorzubehör. Die Marke HANSWERK steht für solide und zuverlässige Produkte. Aus diesem Grund genießt sie volles Vertrauen der Kunden, die einwandfrei hergestellte Teile zu vernünftigen Preisen suchen.

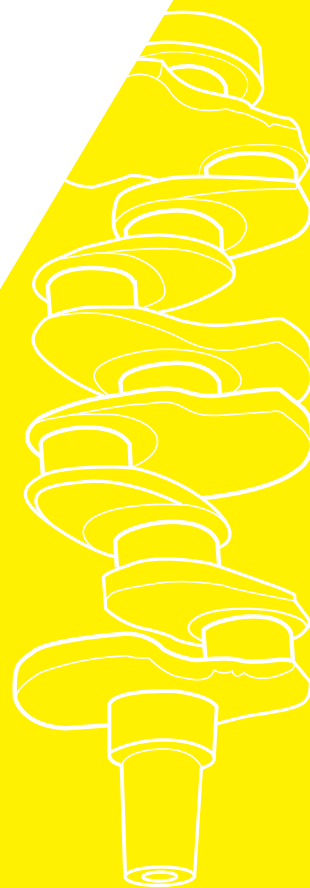
Charakteristische gelb-schwarze Verpackung ist eine Garantie dafür, dass alle Teile von geprüften Herstellern stammen.

Jedes von HANSWERK angebotene Produkt erfüllt strenge technische Anforderungen und besitzt alle erforderlichen Zertifikate. Die Komponenten der Marke HANSWERK werden sowohl in den neuesten Modellen von Fahrzeugen als auch bei älteren Baujahren eingesetzt.

Kleine Firmen und private Unternehmen suchen nach Lösungen, die ihnen erlauben, die Betriebskosten zu reduzieren und die Produktivität auf immer anspruchsvolleren Märkten zu steigern. Das bedeutet auch, dass die Firmeninhaber die bisherigen Lösungen erweitern möchten und nach Technologien suchen, die zur Senkung der Nutzungskosten der Produkte führen können.



HANSWERK





Quality is what really matters in Hanswerk.

ENG

Engine is a heart of the vehicle and there is no place for mistakes. That is why all parts sold by Hanswerk are of top quality materials with prolonged durability.

Careful selection of production components is essential to achieve full engine performance.

Being aware of the responsibility for engine parts manufacturing, we meet highest possible requirements in terms of production and quality control.

HANSWERK.
TOP QUALITY ENGINE PARTS.

Bei Hanswerk ist die Qualität am wichtigsten.

DE

Der Motor ist das Herz des Fahrzeuges und es gibt hier keinen Platz für Fehler. Hanswerk ist sich dessen bewusst und aus diesem Grund werden alle Teile dieser Marke aus Werkstoffen von bester Qualität und verlängerter Lebensdauer hergestellt.

Eine vernünftige Wahl ist einer der wichtigsten Faktoren, die man berücksichtigen muss, wenn man eine volle Motorleistung erreichen will.

Wir sind uns dessen bewusst, welche hohe Verantwortung mit der Herstellung von Motorteilen verbunden ist und aus diesem Grund erfüllen wir die höchsten Anforderungen an die Produktion und die Qualitätskontrolle.

HANSWERK.
MOTORTEILE VON BESTER QUALITÄT.



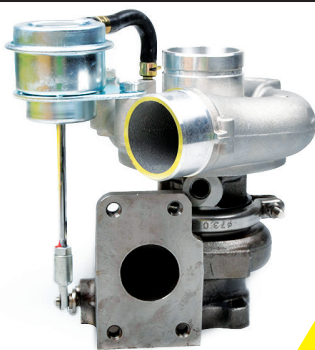
Products

ENG

The correct matching of individual engine components is a condition for full power development of the drive unit. Being aware of the responsibility that lies with the production of such important engine parts, we are committed to meeting the highest quality requirements for quality of production and reliability of assembly.



HANSWERK's products include:



TURBOCHARGERS

A turbocharger is a turbine-driven forced induction device that increases an internal combustion engine's efficiency and power output by forcing extra air into the combustion chamber. This improvement over a naturally aspirated engine's power output is due to the fact that the compressor can force more air into the combustion chamber than atmospheric pressure alone.



GASKETS

A gasket is a mechanical seal which fills the space between two or more mating surfaces, generally to prevent leakage from or into the joined objects while under compression. That is why it is one of the most important part in the car engine.



CRANKSHAFTS

A crankshaft is a mechanical part able to perform a conversion between reciprocating motion and rotational motion. It translates reciprocating motion of the piston into rotational motion.



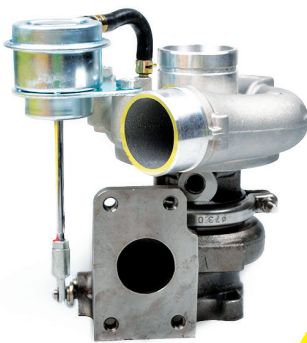
Produkte

DE

Eine richtige Abstimmung der einzelnen Motorteile ist die Voraussetzung der vollen Entwicklung der Leistung der Antriebseinheit. Wir sind uns der Verantwortung bewusst, die mit der Herstellung der außerordentlich wichtigen Motorteile verbunden ist und aus diesem Grund legen wir einen großen Wert darauf, dass sie die höchsten Anforderungen an die Produktionsqualität und eine zuverlässige Montage erfüllen.



Das Sortiment von HANSWERK umfasst u.a.:



TURBOLADER

Ein Turbolader ist eine turbinengetriebene Aufladungsvorrichtung, die den Wirkungsgrad und die Leistung eines Verbrennungsmotors erhöht, indem zusätzliche Luft in die Brennkammer gedrückt wird. Diese Verbesserung gegenüber der Leistungsabgabe eines Saugmotors ist auf die Tatsache zurückzuführen, dass der Kompressor mehr Luft in den Brennraum drücken kann als nur der Atmosphärendruck.



DICHTUNGEN

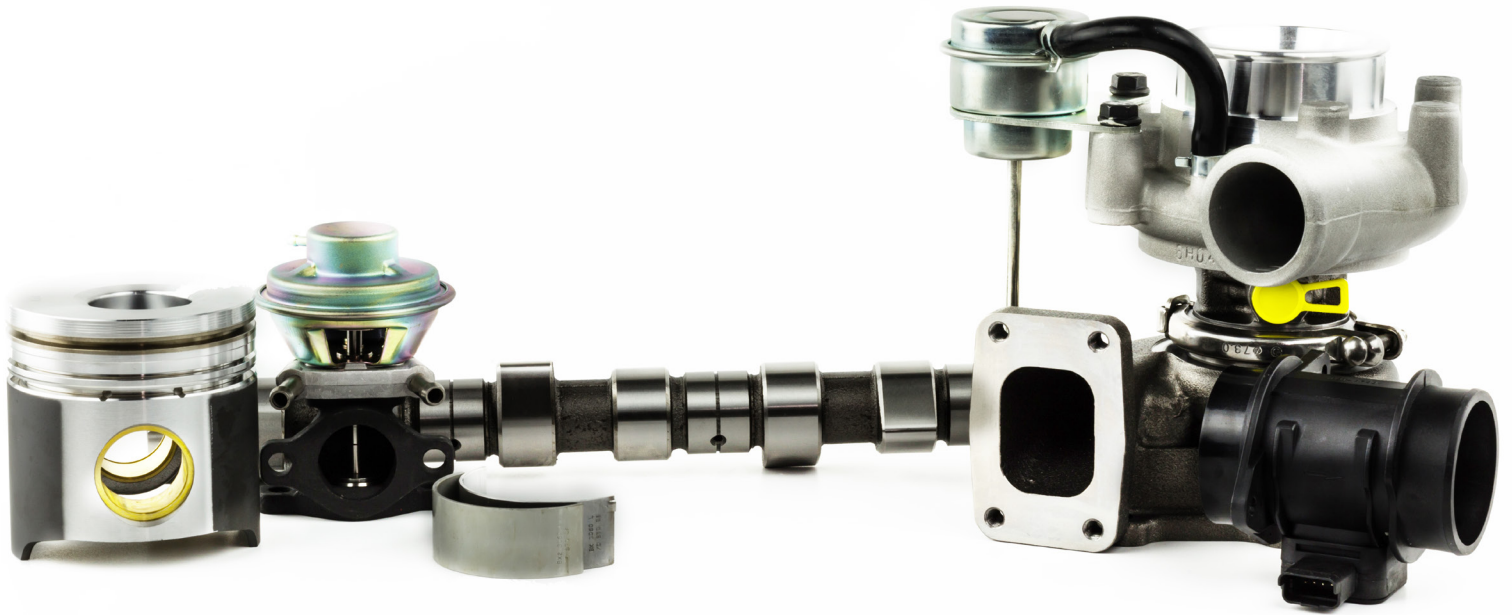
Eine Dichtung ist eine mechanische Dichtung, die den Raum zwischen zwei oder mehr Flächen füllt, um im Allgemeinen ein Auslaufen von oder in die verbundenen Objekte während der Kompression zu verhindern. Deshalb ist es eines der wichtigsten Teile im Motor.



KURBELWELLEN

Eine Kurbelwelle ist ein mechanisches Teil, das eine Umwandlung zwischen Hin- und Herbewegung und Drehbewegung ausführen kann. Es übersetzt die Hin- und Herbewegung des Kolbens in eine Drehbewegung;





RINGS

The main functions of piston rings in engines are sealing the combustion chamber so that there is minimal loss of gases to the crank case, improving heat transfer from the piston to the cylinder wall, maintaining the proper quantity of the oil between the piston and the cylinder wall, regulating engine oil consumption by scraping oil from the cylinder walls back to the sump



PISTONS

A piston is a component of engines. It is the moving component that is contained by a cylinder and is made gastight by piston rings. In an engine, its purpose is to transfer force from expanding gas in the cylinder to the crankshaft via a piston rod and/or connecting rod.



EGR VALVES

(exhaust gas recirculation) - work by recirculating a portion of an engine's exhaust gas back to the engine cylinders. This dilutes the O₂ in the incoming air stream and provides gases inert to combustion to act as absorbents of combustion heat to reduce peak in-cylinder temperatures. NO_x is produced in a narrow band of high cylinder temperatures and pressures.





KOLBENRINGE

Die Hauptfunktionen von Kolbenringen in Motoren sind das Abdichten der Verbrennungskammer, so dass ein minimaler Verlust von Gasen an dem Kurbelgehäuse besteht, die Verbesserung der Wärmeübertragung von dem Kolben zu der Zylinderwand, das Halten von der richtigen Menge an Öl zwischen den Kolben und der Zylinderwand und das Regulieren des Motorölverbrauchs, indem das Öl von den Zylinderwänden geschabt und zurück in die Ölwanne abgeleitet wird.



KOLBEN

Ein Kolben ist eine Komponente vom Motor. Sie ist die bewegliche Komponente, die in einem Zylinder enthalten ist und durch Kolbenringe gasdicht gemacht wird. In einem Motor besteht sein Zweck darin, eine Kraft von sich ausdehnendem Gas in dem Zylinder zu der Kurbelwelle über eine Kolbenstange und / oder eine Pleuelstange zu übertragen.



AGR-VENTILE

(Abgasrückführung) - arbeiten durch Rückführung eines Teils des Abgases eines Motors zurück zu den Motorzylindern. Dies verdünnt den Sauerstoff in dem eintretenden Luftstrom und liefert Gase, die gegenüber der Verbrennung inert sind, um als Absorbentien von Verbrennungswärme zu wirken, um die Temperaturspitzen im Zylinder zu reduzieren. NOX wird in einem engen Band hoher Zylindertemperaturen und Drücken erzeugt.



HW511010		DESCRIPTION	HANSWERK
	500375262	CAMSHAFT PULLEY CRANKSHAFT	
HW000210		DESCRIPTION	
	1981.76 9662222180	INJECTOR SEAL	
HW000220		DESCRIPTION	HANSWERK
	1565.AH 9661339380	INJECTOR SEAL	
HW000230		DESCRIPTION	
	296.660 51987010090	INJECTOR SEAL 1 MM	
HW000240		DESCRIPTION	HANSWERK
	55215424 F 00V C17 503	INJECTOR SEAL 1.5 MM	
HW000250		DESCRIPTION	
	46518716	INJECTOR SEAL JTD HDI TDCI 2 MM	
HW200021		DESCRIPTION	HANSWERK
	A350511060C	PISTON 2.8 TD ID	
HW200082		DESCRIPTION	
	009 86 01	PISTON 2.3 JTD	
HW200130		DESCRIPTION	HANSWERK
	2995580	PISTON 3.0JTD 35C14 95.80	

HW203010		DESCRIPTION	
	500352497	CONNECTING ROD 2.5 D/2.8 D/TD	
HW203020		DESCRIPTION	HANSWERK
	7473171	CONNECTING ROD 2.5 D/TD / 2.8 TD	
HW203030		DESCRIPTION	
	504341496	CONNECTING ROD 3.0JTD	
HW203040		DESCRIPTION	HANSWERK
	504341501	CONNECTING ROD 2.3JTD	
HW210000		DESCRIPTION	
	99435938	CYLINDER SLEEVE 2.8D/TD STD	
HW300010		DESCRIPTION	HANSWERK
	98 00 06 66 80	PISTON RINGS 2.2 JTD PUMA	
HW300021		DESCRIPTION	
	2992541	PISTON RINGS 2.3 JTD +0.40	
HW300040		DESCRIPTION	HANSWERK
	4845481	PISTON RINGS 2.5 TD	
HW300050		DESCRIPTION	
	2992042	PISTON RINGS 2.8 TD	

HW300051		DESCRIPTION	HANSWERK
	500341486	PISTON RINGS 2.8 TD 94.4 MM	
HW300060		DESCRIPTION	
	71729503	PISTON RINGS 1.3 JTD	
HW300080		DESCRIPTION	HANSWERK
	71718185	PISTON RINGS 1.9 D/JTD	
HW300100		DESCRIPTION	
	2992038	PISTON RINGS 2.8 JTD	
HW300101		DESCRIPTION	HANSWERK
	2992039	PISTON RINGS 2.8 JTD	
HW300110		DESCRIPTION	
	08-105500-00	PISTON RINGS XUD9	
HW300140		DESCRIPTION	HANSWERK
	08-104000-00	PISTON RINGS DW8	
HW300190		DESCRIPTION	
	08-137500-00	PISTON RINGS G9U/T28/T33 2.5 DCI	
HW300191		DESCRIPTION	HANSWERK
	022 26 N2	PISTON RINGS G9U/T28/T33 2.5 DCI	

HW300220		DESCRIPTION	
	08-123407-00	PISTON RINGS K9K 1.5DCI	
HW300221		DESCRIPTION	HANSWERK
	08-123400-00	PISTON RINGS K9K 1.5DCI	
HW300230		DESCRIPTION	
	640 RS 00110 0N0	PISTON RINGS 3.0 DCI	
HW300240		DESCRIPTION	HANSWERK
	08-127400-00	PISTON RINGS 2.2 DCI	
HW300241		DESCRIPTION	
	08-127407-00	PISTON RINGS 2.2 DCI	
HW300340		DESCRIPTION	HANSWERK
	007 RS 00150 0N0	PISTON RINGS 2.3 STD	
HW300341		DESCRIPTION	
	500054822	PISTON RINGS 2.3 +0.40	
HW300350		DESCRIPTION	HANSWERK
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HW300351		DESCRIPTION	
	2995583	PISTON RINGS 3.0 +0.40	

HW300360		DESCRIPTION	HANSWERK
	500055512	PISTON RINGS 2.3 STD	
HW300370		DESCRIPTION	
	500054848	PISTON RINGS 3.0	
HW400010		DESCRIPTION	HANSWERK
	2992534	CRANKSHAFT BEARING 2.3	
HW400020		DESCRIPTION	
	2992537	BIG END BEARING 2.3 JTD	
HW400030		DESCRIPTION	HANSWERK
	2995574	BIG END BEARING 3.0 JTD	
HW400040		DESCRIPTION	
	2996627	CRANKSHAFT BEARING 3.0 JTD	
HW400050		DESCRIPTION	HANSWERK
	41870/0 99474279 AEB92843/0	CRANKSHAFT BEARING 2.5 D/TD SOFIM STD	
HW400060		DESCRIPTION	
	99473771	BIG END BEARING SET 2.5/2.8 STD	
HW400070		DESCRIPTION	HANSWERK
	7300279	BIG END BEARING 2.5 D SOFIM	

HW510010		DESCRIPTION	
	500314784	CRANKSHAFT 2.8 D/TD	
HW510020		DESCRIPTION	HANSWERK
	504041684	CRANKSHAFT 3.0 JTD	
HW510030		DESCRIPTION	
	504017281	CRANKSHAFT 2.3 JTD	
HW521000		DESCRIPTION	HANSWERK
	500347039^	CYLINDER HEAD SCREWS SET 2.3JTD	
HW521010		DESCRIPTION	
	500347039	CYLINDER HEAD SCREWS 2.3 JTD M14X193	
HW521020		DESCRIPTION	HANSWERK
	500347040	CYLINDER HEAD SCREWS 2.3JTD M12x133	
HW521030		DESCRIPTION	
	14-32359-01	CYLINDER HEAD SCREWS SET 3.0 JTD	
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	6011801401	OIL PUMP OM611	
HW540020		DESCRIPTION	
	1001.87	OIL PUMP 1.6 16V	

HW540030		DESCRIPTION	HANSWERK
	150004492R	OIL PUMP 2.0 CDTI	
HW540040		DESCRIPTION	
	8200227686	OIL PUMP 1.5 DCI	
HW540050		DESCRIPTION	HANSWERK
	7700600252	OIL PUMP 1.9DTI	
HW540060		DESCRIPTION	
	55185375	OIL PUMP 1.3 JTD	
HW540070		DESCRIPTION	HANSWERK
	BK2Q-6600-AC	OIL PUMP 2.2HDI/TDCI	
HW540080		DESCRIPTION	
	1096255	OIL PUMP 2.2 HDI	
HW540090		DESCRIPTION	HANSWERK
	1001 F2	OIL PUMP 1.4/1.6 HDI	
HW540100		DESCRIPTION	
	55575253	OIL PUMP 1.3 JTD	
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	6C1Q9F464BD	EGR COOLER 2.4 TDCI	

HW550020		DESCRIPTION	
	CK3Q9F464AB	EGR COOLER 2.2 TDCI	
HW550030		DESCRIPTION	HANSWERK
	9659695080	EGR COOLER 2.2 PUMA	
HW550040		DESCRIPTION	
	03L131512DK	EGR COOLER 2.0 TDI	
HW550050		DESCRIPTION	HANSWERK
	03L131512BJ	EGR COOLER VAG 1.6/2.0 TDI	
HW550060		DESCRIPTION	
	504178568	EGR COOLER 2.3JTD	
HW550070		DESCRIPTION	HANSWERK
	1618.35	EGR COOLER 2.0 HDI	
HW550080		DESCRIPTION	
	03L131512BQ	EGR COOLER VAG 2.0 TDI	
HW550090		DESCRIPTION	HANSWERK
	8200910446	EGR COOLER 2.3 DCI	
HW550100		DESCRIPTION	
	504385699	EGR COOLER 3.0 E5+	

HW550110		DESCRIPTION	HANSWERK
	504136967	EGR COOLER 3.0	
HW550120		DESCRIPTION	
	5801365344	EGR COOLER 2.3JTD E5+ E6	
HW550130		DESCRIPTION	HANSWERK
	5801365304	EGR COOLER 2.3 JTD	
HW600010		DESCRIPTION	
	4841844	TURBOCHARGER 35-49.10	
HW600020		DESCRIPTION	HANSWERK
	98408871	TURBOCHARGER SOFIM 2.5 TDI	
HW600030		DESCRIPTION	
	99450703	TURBOCHARGER	
HW600040		DESCRIPTION	HANSWERK
	99450704	TURBOCHARGER 49-10	
HW600050		DESCRIPTION	
	46756155	TURBOCHARGER 1.9JTD	
HW600060		DESCRIPTION	HANSWERK
	71724702	TURBOCHARGER 1.3JTD	

HW600070		DESCRIPTION	
	71793889	TURBOCHARGER 1.6JTD	
HW600080		DESCRIPTION	HANSWERK
	500344801	TURBOCHARGER 2.8JTD	
HW600090		DESCRIPTION	
	500372214	TURBOCHARGER 2.8JTD 130KM	
HW600100		DESCRIPTION	HANSWERK
	504071260	TURBOCHARGER 2.3 JTD	
HW600110		DESCRIPTION	
	504137713	TURBOCHARGER 3.0HPI 35C15	
HW600140		DESCRIPTION	HANSWERK
	5860028	TURBOCHARGER 1.3 MJTD	
HW600150		DESCRIPTION	
	7711135037	TURBOCHARGER 1.5 DCI	
HW600160		DESCRIPTION	HANSWERK
	53039700055	TURBOCHARGER 2.5 DCI	
HW600170		DESCRIPTION	
	54359700011	TURBOCHARGER 1.5 DCI	

HW600180		DESCRIPTION	HANSWERK
	0375.J3	TURBOCHARGER 1.6 HDI	
HW600190		DESCRIPTION	
	703245-1	TURBOCHARGER 1.9 DCI	
HW600200		DESCRIPTION	HANSWERK
	7173480001	TURBOCHARGER 1.9 DCI	
HW600210		DESCRIPTION	
	0375.N6	TURBOCHARGER 1.4 HDI	
HW600220		DESCRIPTION	HANSWERK
	504092197	TURBOCHARGER 3.0 HPI 35C14	
HW600230		DESCRIPTION	
	55198317	TURBOCHARGER 1.3 MJTD EURO 5	
HW600240		DESCRIPTION	HANSWERK
	55230176	TURBOCHARGER 1.6 MJTD EURO 6	
HW600250		DESCRIPTION	
	9633614180	TURBOCHARGER 2.0 HDI 90KM	
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	8200994301B	TURBOCHARGER M9R EURO 5	

HW600270		DESCRIPTION	
	8201054152	TURBOCHARGER M9T EURO 5	
HW600280		DESCRIPTION	HANSWERK
	55218934	TURBOCHARGER 1.4 T-JET 150KM	
HW600290		DESCRIPTION	
	55212917	TURBOCHARGER 1.4 T-JET 120 KM	
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HW610020		DESCRIPTION	
	71788625	EGR VALVE 1.3MJTD	
HW610030		DESCRIPTION	HANSWERK
	71789686	EGR VALVE 2.2JTD PUMA EURO 4	
HW610040		DESCRIPTION	
	71793030	EGR VALVE IVECO DAILY 06> 2.3 JTD	
HW610050		DESCRIPTION	HANSWERK
	504121701	EGR VALVE IVECO DAILY 06> 3.0 JTD	
HW610060		DESCRIPTION	
	46823850	EGR VALVE 1.9JTD	

HW610070		DESCRIPTION	HANSWERK
	5851596	EGR VALVE 1.9JTD 8V	
HW610080		DESCRIPTION	
	4409585	EGR VALVE 1.9DCI	
HW610090		DESCRIPTION	HANSWERK
	11717804950	EGR VALVE CITROEN BERLINGO 1.6JTD/HDI	
HW610100		DESCRIPTION	
	8C1Q-9D475-AA	EGR VALVE CONNECT 02> 2.2/2.4/3.2TDCI	
HW610110		DESCRIPTION	HANSWERK
	55192348	EGR VALVE FIORINO 07> 1.3JTD	
HW610120		DESCRIPTION	
	4411697 8200169634 9112463	EGR VALVE TRAFIC 01> 2.2/2.5 DCI/DTI O=30MM	
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	9628355780	EGR VALVE 2.0 16V	
HW610140		DESCRIPTION	
	71793404	EGR VALVE 2.0JTD	
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	4434381 8200374875 93198327	EGR VALVE 2.2 DCI/2.5 DTI O=16MM	

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	55206931	EGR VALVE 1.3JTD	
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	46535796	EGR VALVE 1.9D	
HW610180		DESCRIPTION	
	8200327004	EGR VALVE 2.0DCI	
HW610190		DESCRIPTION	HANSWERK
	77001-13071	CONTROL VALVE EGR VALVE 1.9/2.0DCI	
HW610200		DESCRIPTION	
	46530857	EGR VALVE 1.9JTD	
HW610210		DESCRIPTION	HANSWERK
	82 00 469 586	EGR VALVE 1.5 DCI	
HW610220		DESCRIPTION	
	SU001-00730	EGR VALVE 1.4 HDI	
HW610230		DESCRIPTION	HANSWERK
	2S7Q9D475AC	EGR VALVE	
HW610240		DESCRIPTION	
	8200270177	EGR VALVE 1.5 DCI	

HW610250		DESCRIPTION	HANSWERK
	1618.Q0	EGR VALVE 2.0 JTD	
HW610260		DESCRIPTION	
	BK2Q-9D475-CC	EGR VALVE	
HW610270		DESCRIPTION	HANSWERK
	1618.LN	EGR VALVE 1.6 HDI	
HW610280		DESCRIPTION	
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	7701209370	EGR VALVE 2.5 DCI	
HW610300		DESCRIPTION	
	8200796674	EGR VALVE 2.3 DCI	
HW610310		DESCRIPTION	HANSWERK
	9640341280	EGR VALVE 2.0 JTD	
HW610320		DESCRIPTION	
	1628.LQ 9635704380	CONTROL VALVE EGR VALVE 2.2 HDI	
HW610330		DESCRIPTION	HANSWERK
	1333574	EGR VALVE 2.4 TDCI	

HW613010		DESCRIPTION	
	1920.GV	AIR FLOW METER 1.6 JTD/HDI	
HW613020		DESCRIPTION	HANSWERK
	46541253	AIR FLOW METER ALFA 147 / 156 1.6/1.8/2.0 T.SPARK / 1.9JTD	
HW613030		DESCRIPTION	
	1920.7S	AIR FLOW METER CITROEN BERLINGO 1.9D/2.0JTD/HDI	
HW613040		DESCRIPTION	HANSWERK
	16580-00QAB	AIR FLOW METER MASTER 98> / TRAFIC 01> 1.9DCI//DTI	
HW613050		DESCRIPTION	
	1920.8Q	AIR FLOW METER 2.0 JTD	
HW613060		DESCRIPTION	HANSWERK
	717359980	AIR FLOW METER 2.8 JTD	
HW613070		DESCRIPTION	
	46811122	AIR FLOW METER 1.9JTD	
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	1333637	AIR FLOW METER 1.4 HDI	
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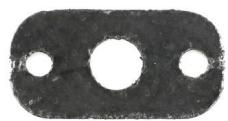
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	55350045	AIR FLOW METER OPEL AQUILA 1.3CDTI	
HW613120		DESCRIPTION	HANSWERK
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HW613130		DESCRIPTION	
	55206756	AIR FLOW METER 1.9 JTD	
HW613140		DESCRIPTION	HANSWERK
	51782035	AIR FLOW METER 1.6 MJTD	
HW613150		DESCRIPTION	
	51831050	AIR FLOW METER 2.3	
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	51792707	AIR FLOW METER 1.3 MJTD	
HW613170		DESCRIPTION	
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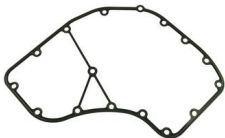
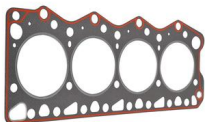
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	500313105	INJECTOR 2.8 JTD	
HW500010		DESCRIPTION	
	98427674	CAMSHAFT 2.5D/TD MOT1197077>	
HW500020		DESCRIPTION	HANSWERK
	7724588	CAMSHAFT 1.4	
HW500070		DESCRIPTION	
	46823507	CAMSHAFT INTAKE 1.3 MJTD	
HW500080		DESCRIPTION	HANSWERK
	46823508	CAMSHAFT EXHAUST 1.3 MJTD	
HW500270		DESCRIPTION	
	504096183	CAMSHAFT EXHAUST 2.3JTD	
HW500280		DESCRIPTION	HANSWERK
	504096185	CAMSHAFT INTAKE 2.3JTD	
HW520020		DESCRIPTION	
	4723186	VALVE ADJUSTING DISC	

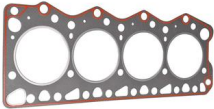
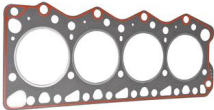
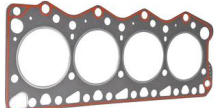
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HW530020		DESCRIPTION	
	6c1q-6268-bb	TIMING CHAIN KIT 2.2	
HW530030		DESCRIPTION	HANSWERK
	504084526	TIMING CHAIN KIT 3.0 HDI	
HW530040		DESCRIPTION	
	6606024	TIMING CHAIN KIT FIAT 1.3 JTD	
HW530050		DESCRIPTION	HANSWERK
	55225494	TIMING CHAIN KIT 0.9	
HW530060		DESCRIPTION	
	849.23	TIMING CHAIN KIT	
HW530070		DESCRIPTION	HANSWERK
	1079860	TIMING CHAIN KIT 1.8DI/TDCI	
HW530080		DESCRIPTION	
	8201012338	TIMING CHAIN KIT 2.3DCI	
HW530090		DESCRIPTION	HANSWERK
	8200397125	TIMING CHAIN OIL PUMP 1.5 dci	

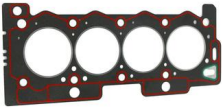
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	504013619	TIMING CHAIN KIT 2.3JTD	
HW530110		DESCRIPTION	HANSWERK
	77 01 476 597	TIMING CHAIN KIT 2.0 DCI	
HW530130		DESCRIPTION	
	504294672	TIMING CHAIN KIT 3.0 JTD EURO 5	
HW560010		DESCRIPTION	HANSWERK
	504072531	ENGINE VALVE INTAKE 3.0	
HW560020		DESCRIPTION	
	5942727	ENGINE VALVE 1.0-1.1	
HW560030		DESCRIPTION	HANSWERK
	4377979	ENGINE VALVE EXHAUST 0.9	
HW560040		DESCRIPTION	
	7301820	ENGINE VALVE INTAKE 2.5D >94 2.5TD >94> 2.8TD	
HW560050		DESCRIPTION	HANSWERK
	4826033	ENGINE VALVE EXHAUST 2.5 D >94 2.5TD >94>	
HW560070		DESCRIPTION	
	7735898	ENGINE VALVE INTAKE 1.4 IE 16V TS	

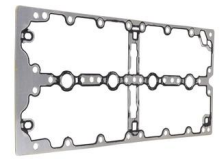
HW560080 	7735899	DESCRIPTION ENGINE VALVE EXHAUST 1.4 IE 16V TS	HANSWERK
HW560090 	7766564	DESCRIPTION ENGINE VALVE INTAKE 1.8 16V	
HW560110 	7547400	DESCRIPTION ENGINE VALVE INTAKE 2.0 131/132	HANSWERK
HW560160 	7712114	DESCRIPTION ENGINE VALVE INTAKE 1.4 12V	
HW560170 	46413334	DESCRIPTION ENGINE VALVE EXHAUST 1.4 12V	HANSWERK
HW560180 	46517325	DESCRIPTION ENGINE VALVE INTAKE 1.6 16V	
HW560190 	98468338	DESCRIPTION ENGINE VALVE INTAKE 2.5/2.8 D	HANSWERK
HW560200 	7609772	DESCRIPTION ENGINE VALVE INTAKE 1.3- 1.4-1.6 REG/TIPO	
HW560220 	99432837	DESCRIPTION ENGINE VALVE EXHAUST 2.8 D/TD	HANSWERK

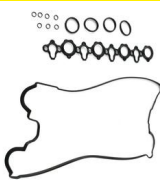
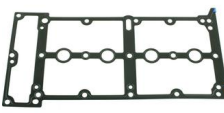
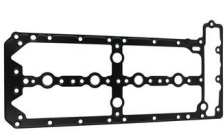
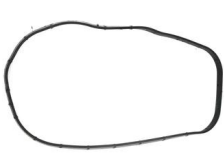
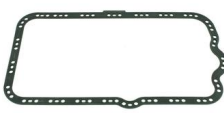
HW560230		DESCRIPTION	
	504081062	ENGINE VALVE EXHAUST 3.0	
HW560250		DESCRIPTION	HANSWERK
	500362856 504378070	ENGINE VALVE EXHAUST 2.3 JTD IVECO	
HW560260		DESCRIPTION	
	504069199	ENGINE VALVE INTAKE 2.3 JTD IVECO	
HW000100		DESCRIPTION	HANSWERK
		GASKET	
HW000110		DESCRIPTION	
		TURBOCHARGER GASKET EX	
HW000120		DESCRIPTION	HANSWERK
	504090524	THERMOSTAT GASKET	
HW000130		DESCRIPTION	
	504089123 504089123	GASKET	
HW000140		DESCRIPTION	HANSWERK
	504081697	OIL PUMP GASKET 3.0JTD	
HW000150		DESCRIPTION	
	504090818	VALVE COVER GASKET TYŁ 3.0 JTD	

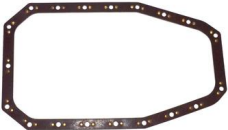
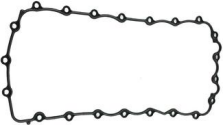
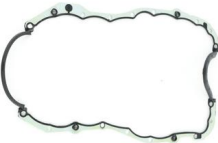
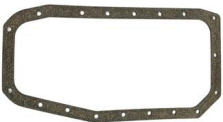
HW000160		DESCRIPTION	HANSWERK
	504072973	EGR VALVE GASKET 3.0 DUŽA	
HW000180		DESCRIPTION	
	504082437	TIMING BELT GASKET 3.0 JTD	
HW000190		DESCRIPTION	HANSWERK
	500376326	VALVE COVER GASKET	
HW000200		DESCRIPTION	
	500368070	OIL PUMP GASKET	
HW000260		DESCRIPTION	HANSWERK
	8094757	GASKET 2.5 MM	
HW000270		DESCRIPTION	
	71748095	GASKET AIR FILTER	
HW000280		DESCRIPTION	HANSWERK
	7701071407	THERMOSTAT GASKET	
HW100020		DESCRIPTION	
	60816233	CYLINDER HEAD GASKET 1.9JTD 8V	
HW100061		DESCRIPTION	HANSWERK
	99432354	CYLINDER HEAD GASKET 2.8 TD 1.2MM	

HW100062		DESCRIPTION	
	99432353	CYLINDER HEAD GASKET 2.8 TD 1.3MM	
HW100063		DESCRIPTION	HANSWERK
	99460983	CYLINDER HEAD GASKET 2.8 TD 1.4MM	
HW100064		DESCRIPTION	
	99458402	CYLINDER HEAD GASKET 2.8 TD 1.5MM	
HW100081		DESCRIPTION	HANSWERK
	5500387067	GASKET 2.3JTD 1.1 MM	
HW100082		DESCRIPTION	
	500387068	CYLINDER HEAD GASKET 2.3 JTD 1.2 MM	
HW100083		DESCRIPTION	HANSWERK
	500387069	CYLINDER HEAD GASKET 2.3 JTD 1.3MM	
HW100090		DESCRIPTION	
	0209.EH	CYLINDER HEAD GASKET 2.2JTD	
HW100091		DESCRIPTION	HANSWERK
	9660534980	CYLINDER HEAD GASKET 2.2 JTD	
HW100092		DESCRIPTION	
	0209.ET	CYLINDER HEAD GASKET 2.2 JTD 1.2MM	

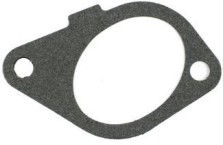
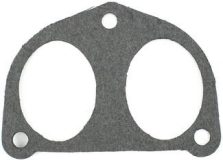
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	0209.AT	CYLINDER HEAD GASKET 2.2 HDI 1.4MM	
HW100110		DESCRIPTION	
	8200351353	CYLINDER HEAD GASKET 1.5 DCI 0.77MM	
HW100120		DESCRIPTION	HANSWERK
	8200057611	CYLINDER HEAD GASKET 2.5DCI 1.20MM	
HW100140		DESCRIPTION	
	82 00 121 998	CYLINDER HEAD GASKET 2.2DCI 1.24MM	
HW100171		DESCRIPTION	HANSWERK
	55190357	CYLINDER HEAD GASKET 1.9 JTD 0.92 MM	
HW100172		DESCRIPTION	
	55190358	CYLINDER HEAD GASKET 1.9 JTD 1.02 MM	
HW100200		DESCRIPTION	HANSWERK
	9652803180	CYLINDER HEAD GASKET 1.4 1.25MM	
HW100220		DESCRIPTION	
	11 04 485 88R	CYLINDER HEAD GASKET 2.0DCI	
HW100260		DESCRIPTION	HANSWERK
	44 08 100	CYLINDER HEAD GASKET 1.9 DCI/DTI 1.25MM	

HW100270		DESCRIPTION	
	504093499	CYLINDER HEAD GASKET 3.0 FICE0481 E4	
HW100280		DESCRIPTION	HANSWERK
	504082942	CYLINDER HEAD GASKET 3.0	
HW110020		DESCRIPTION	
	9400249979	VALVE COVER GASKET 1.9D	
HW110030		DESCRIPTION	HANSWERK
	9400249959	VALVE COVER GASKET 1.9D	
HW110040		DESCRIPTION	
	99462588	VALVE COVER GASKET 2.8 D	
HW110050		DESCRIPTION	HANSWERK
	98472291	VALVE COVER GASKET 2.5D/TD/2.8TD	
HW110060		DESCRIPTION	
	9630142380	VALVE COVER GASKET 2.0 JTD	
HW110070		DESCRIPTION	HANSWERK
	504019494	VALVE COVER GASKET 2.3 JTD	
HW110090		DESCRIPTION	
	46552748	VALVE COVER GASKET 1.9JTD	

HW110120		DESCRIPTION	HANSWERK
	45 06 060	VALVE COVER GASKET 2.2/2.5DCI	
HW110130		DESCRIPTION	
	44 02 618	VALVE COVER GASKET 1.9DCI	
HW110160		DESCRIPTION	HANSWERK
	73500063	VALVE COVER GASKET 1.3 MJTD	
HW110170		DESCRIPTION	
	97523053	VALVE COVER GASKET	
HW110180		DESCRIPTION	HANSWERK
	82 00 117 388	VALVE COVER GASKET 1.5DCI	
HW110190		DESCRIPTION	
	504047676	VALVE COVER GASKET 3.0	
HW110200		DESCRIPTION	HANSWERK
	504059849	GASKET CYLINDER HEAD COVER 3.0	
HW110210		DESCRIPTION	
	9662221680	VALVE COVER GASKET 2.2 JTD	
HW120010		DESCRIPTION	HANSWERK
	4506182	OIL SUMP GASKET 2.2/2.5	

HW120020		DESCRIPTION	
	77 00 273 486	OIL SUMP GASKET 1.4/1.6 16V	
HW120040		DESCRIPTION	HANSWERK
	504018307	OIL SUMP GASKET 2.3 JTD	
HW120050		DESCRIPTION	
	99488483	OIL SUMP GASKET 2.5 D/TD	
HW120060		DESCRIPTION	HANSWERK
	77 00 114 424	OIL SUMP GASKET 1.9 D	
HW120070		DESCRIPTION	
	82 00 379 654	OIL SUMP GASKET GRAND KANGOO 12-	
HW120080		DESCRIPTION	HANSWERK
	500327440	OIL SUMP GASKET 2.5 D/TD	
HW120090		DESCRIPTION	
	500316112	OIL SUMP GASKET 2.8 JTD	
HW120100		DESCRIPTION	HANSWERK
	504083813	OIL SUMP GASKET 3.0	
HW130010		DESCRIPTION	
	504022754	MANIFOLD GASKET EXHAUST 3.0 JTD	

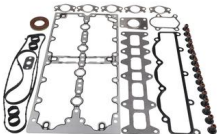
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	0348.N5 4279436 98425767	MANIFOLD GASKET INTAKE 2.8TD/JTD	
HW130070		DESCRIPTION	
	0349.H5 4837141 7300877	MANIFOLD GASKET EXHAUST 2.5TD	
HW130090		DESCRIPTION	HANSWERK
	504037859	MANIFOLD GASKET INTAKE 2.3 JTD	
HW130100		DESCRIPTION	
	500376626	MANIFOLD GASKET EXHAUST 2.3 JTD	
HW130120		DESCRIPTION	HANSWERK
	73500058	MANIFOLD GASKET EXHAUST 1.3JTD	
HW130121		DESCRIPTION	
	73501362	MANIFOLD GASKET INTAKE 1.3JTD	
HW130122		DESCRIPTION	HANSWERK
	55198271	MANIFOLD GASKET INTAKE 1.3JTD	
HW130130		DESCRIPTION	
	46467747	MANIFOLD GASKET EXHAUST 1.9JTD	
HW130131		DESCRIPTION	HANSWERK
	46772389	MANIFOLD GASKET INTAKE 1.9JTD	

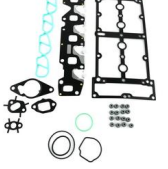
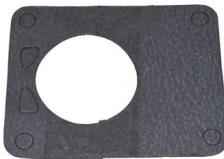
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HW130151		DESCRIPTION	HANSWERK
	0348.N2	MANIFOLD GASKET INTAKE 1.9D	
HW130152		DESCRIPTION	
	0348.N1	MANIFOLD GASKET INTAKE 1.9D	
HW130170		DESCRIPTION	HANSWERK
	8200723473	MANIFOLD GASKET EXHAUST 2.0DCI	
HW130171		DESCRIPTION	
	14038-00Q0A	MANIFOLD GASKET INTAKE 2.0DCI	
HW130180		DESCRIPTION	HANSWERK
	77 00 874 592	MANIFOLD GASKET IN / EX 1.9DCI	
HW130190		DESCRIPTION	
	0348.J0	MANIFOLD GASKET IN / EX	
HW130200		DESCRIPTION	HANSWERK
	0349.J3	MANIFOLD GASKET EXHAUST	
HW130210		DESCRIPTION	
	9569623180	MANIFOLD GASKET INTAKE 2.0/2.2	

HW130220		DESCRIPTION	HANSWERK
	93331515	MANIFOLD GASKET 2.0HDI	
HW130230		DESCRIPTION	
	14003-00Q1N	MANIFOLD GASKET GRAND KANGOO 12-	
HW130240		DESCRIPTION	HANSWERK
	44 31 934	MANIFOLD GASKET EXHAUST 2.5 DCI	
HW130250		DESCRIPTION	
	9652981380	MANIFOLD GASKET 1.4	
HW130260		DESCRIPTION	HANSWERK
	0349.J4	MANIFOLD GASKET EXHAUST 1.4 1.6 16V	
HW130270		DESCRIPTION	
	9400349129	MANIFOLD GASKET EXHAUST 2.0 D	
HW130280		DESCRIPTION	HANSWERK
	607 142 02 80	MANIFOLD GASKET GRAND KANGOO 12-	
HW130290		DESCRIPTION	
	7701472449	MANIFOLD GASKET INTAKE 2.5D	
HW130300		DESCRIPTION	HANSWERK
	0342.E0 9567498080	MANIFOLD GASKET INTAKE 1.4	

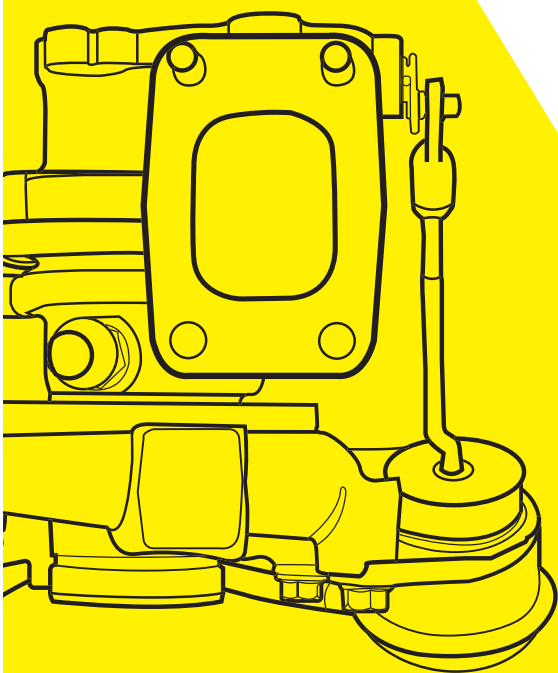
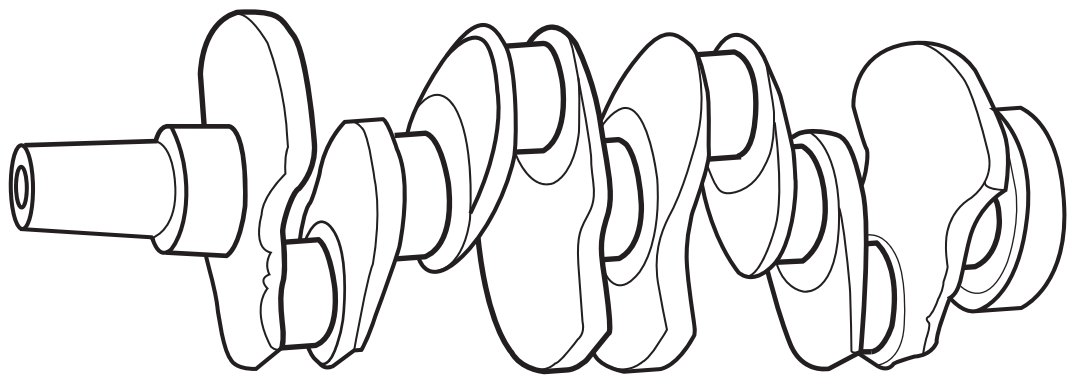
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HW140140		DESCRIPTION	HANSWERK
	77 00 859 692	SEAL CRANKSHAFT 100 X 80 X 8	
HW140160		DESCRIPTION	
	4716458	SEAL CAMSHAFT 70 X 55 X 8	
HW140170		DESCRIPTION	HANSWERK
	500350049	SEAL CAMSHAFT 60 X 34 X 10 2.3 JTD	
HW140180		DESCRIPTION	
	504014155	SEAL FRONT 80 X 50 X 14 2.3 JTD	
HW140190		DESCRIPTION	HANSWERK
	504010779	SEAL CRANKSHAFT REAR 113 X 83 X 14 2.3 JTD	
HW140200		DESCRIPTION	
	55180937	SEAL CRANKSHAFT REAR 100 X 78 X 9	
HW140260		DESCRIPTION	HANSWERK
	7604177	SEAL CAMSHAFT 42 X 30 X 7 1.9JTD	
HW140270		DESCRIPTION	
	9400807289	SEAL CAMSHAFT 47 X 27 X 7	

HW140280		DESCRIPTION	HANSWERK
	55186757	SEAL CRANKSHAFT FRONT 52 X 40 X 7 1.3JTD	
HW140290		DESCRIPTION	
	77 00 103 245	SEAL CRANKSHAFT FRONT 54 X 42 X 6 1.9DCI	
HW140350		DESCRIPTION	HANSWERK
	500395378	VALVE SEAL 2.3/3.0JTD 6X10/22X19	
HW140390		DESCRIPTION	
	99447458	SEAL CRANKSHAFT REAR 177 X 114 X 15.8	
HW140400		DESCRIPTION	HANSWERK
	7185870	SEAL 90 X 60 X 14/16.3	
HW140410		DESCRIPTION	
	504056152	SEAL CRANKSHAFT FRONT 70 X 50 X 11 3.0JTD	
HW140420		DESCRIPTION	HANSWERK
	500315684	SEAL CRANKSHAFT FRONT 159 X 70 X 16 2.5/2.8D	
HW140430		DESCRIPTION	
	504050244	SEAL OIL BREATHER FILTER 33X45X7 3.0JTD	
HW140440		DESCRIPTION	HANSWERK
	4862154	SEAL 179 X 100 X 15.8	

HW140450		DESCRIPTION	
	504014232	SEAL CRANKSHAFT REAR 3.0	
HW140460		DESCRIPTION	HANSWERK
	9659901780	SEAL CRANKSHAFT FRONT 2.2 JTD	
HW140470		DESCRIPTION	
	7701476858	SEAL CRANKSHAFT 2.3 DCI	
HW150030		DESCRIPTION	HANSWERK
	504049360	ENGINE GASKET SET FULL [-] CYLINDER HEAD 2.3 D	
HW150060		DESCRIPTION	
	9569752780	ENGINE GASKET SET 2.0	
HW150070		DESCRIPTION	HANSWERK
	2995609	ENGINE GASKET SET UPPER [-] CYLINDER HEAD 2.3	
HW150131		DESCRIPTION	
	7701477813	ENGINE GASKET SET UPPER [+] CYLINDER HEAD 2.2/2.5DCI	
HW150140		DESCRIPTION	HANSWERK
	2996102	ENGINE GASKET SET UPPER 3.0	
HW150141		DESCRIPTION	
	2996103	ENGINE GASKET SET FULL 3.0	

HW150250		DESCRIPTION	HANSWERK
	71713696 71728337 71728829	ENGINE GASKET SET FULL 2.8 TD	
HW150260		DESCRIPTION	
	7701470288	ENGINE GASKET SET	
HW150270		DESCRIPTION	HANSWERK
	0197.X3	ENGINE GASKET SET 2.0 HDI	
HW150280		DESCRIPTION	
	1 564 796 16 06 458 71729499	ENGINE GASKET SET 1.3 JTD	
HW150290		DESCRIPTION	HANSWERK
	71739971	ENGINE GASKET SET UPPER	
HW150300		DESCRIPTION	
	8094874	ENGINE GASKET SET UPPER 3.0 JTD	
HW160010		DESCRIPTION	HANSWERK
	99432807	OIL SUMP GASKET LEFT +RIGHT 2.5D/2.8D	
HW160020		DESCRIPTION	
	500310543 504072342 504072342	VACUUM PUMP SEAL GASKET 2.5 D	

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