

**JP Group a/s**  
AUTOMOTIVE



**POWER STEERING PUMPS**  
REPLACEMENT PARTS AND ACCESSORIES

# JP Group Line



**JP Group a/s**   
AUTOMOTIVE

*Quality spare parts, exhausts and accessories for  
European and Asian vehicles*

[www.jpgroup.dk](http://www.jpgroup.dk)

# WORLDWIDE PRODUCT SOURCING



## TO ENSURE GOOD QUALITY AND A WIDE ASSORTMENT

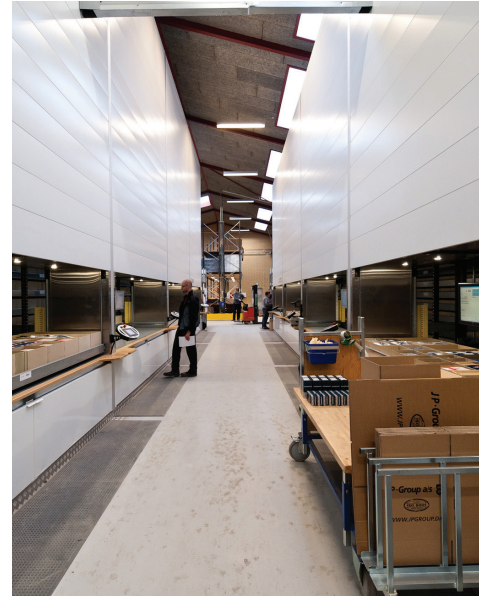
As manufacturer and supplier we use our great knowledge of automotive products and we cooperate with OEM manufacturers worldwide. JP Group Quality departments in Denmark and China ensure you the most competent and fastest service in case that a claim issue should occur.

- Original equipment quality
- Development and manufacturing competence
- Strict selection of our suppliers
- OEM Quality – Strict Quality Criteria
- “One Stop Shop” for Asian and European cars
- Low claim percentage



# WHY CHOOSE JP GROUP AUTOMOTIVE?

## SERVICE, QUALITY & RELIABILITY



- Danish family owner-operated company of second generation
- Strong company with the highest world wide possible creditworthiness (AAA)
- 2 strong main product lines with 5 well-known brands: JP Group Line (JP Group) and JP Group Classic Line (Dansk, SSI, Jopex and Classic Line)
- More than 24.000 different part numbers in stock for passenger cars and light commercial vehicles
- More than 42.000 m<sup>2</sup> fully equipped warehouse enabling a high availability and production
- Focus on a 100 percent customer satisfaction
- ISO 9001-certified quality system
- Worldwide quality control and product sourcing with the Quality departments in Denmark and China
- A highly experienced quality department for sample testing including long-term product testing on cars
- Guaranteed product quality - we follow country-specific rules all over the world
- Global sourcing and purchasing departments with headquarter in Denmark
- All parts are available in TecDoc, TecCom and our printed catalogues as well as on our website / webshop
- Quick and efficient packing of orders - with fast delivery
- A sales- and marketing department with headquarter in Denmark and local sales offices in more than 5 countries
- Own production for OEM and other well-known manufacturers



NB. OE numbers are just for reference.



**BODY**



**BRAKES**



**CABLES**



**COOLING**



**ELECTRIC**



**ENGINE**



**EXHAUST**



**EXTERIOR**



**FILTERS**



**INTERIOR**



**STEERING & SUSPENSION**



**TRANSMISSION**

# UNDERSTANDING THE JP GROUP PART NUMBERS

## NUMBER STRUCTURE

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The JP Group part no. consists of 10 digits, e.g. 11 129 029 00.

Digits 1 and 2 (11) indicate the car brand, in this example VAG.

Digits 3, 4 and 5 (129) indicate the product group, in this case oil sump.

Digits 6, 7 and 8 (014) indicate the given part number. Numbers from 1 to 500 refers directly to the product group. Numbers from 501-999 cover items related to the product group.

Digit 9 indicates whether it is standard, set, left or right:

- 0 = Standard
- 1 = Set
- 5 = Left set
- 6 = Right set
- 7 = Left
- 8 = Right

Digit 10 indicates the product brand:

- 0 = JP brand
- 1 = JP brand
- 2 = Premium brand
- 3 = Alternative brand
- 4 = Alternative brand
- 5 = Alternative brand
- 6 = No name brand
- 7 = Premium brand

## GIVEN PART NUMBER

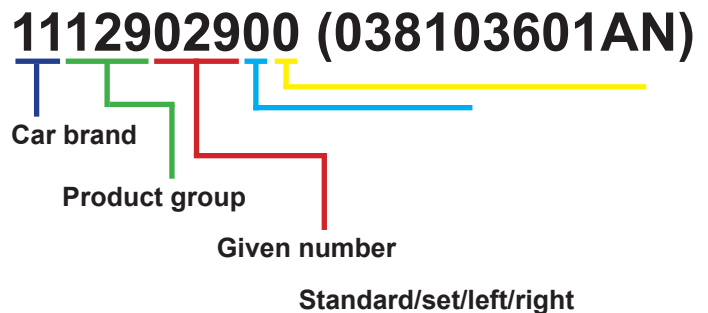
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### 8195400100

Turn signal light, fender mounted, amber, with rubber gasket, left/right, E-marked

### 8195450602

Lens for turn signal light, clear, left/right, HELLA



#### Above example:

The given part number from 1 to 500 refers directly to the product group, in this example 954 001, which is a turn signal light, front.

The given part number from 501 to 999 relates to the product group, in this example 954 506, which is a lens for turn signal, front.

#### Above example:

- 11 = VAG
- 129 = Oil Sump
- 014 = Given part number
- 0 = Standard (not set, left or right)
- 0 = JP brand

# CAR BRAND OVERVIEW

## CAR BRAND

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11	VAG (VW / AUDI / SEAT / SKODA)
12	OPEL
13	MERCEDES
14	BMW
15	FORD
16	PORSCHE
30	ALFA ROMEO
31	CITROEN
32	DAEWOO
33	FIAT
34	HONDA
35	HYUNDAI
36	KIA
37	LAND ROVER
38	MAZDA
39	MITSUBISHI
40	NISSAN
41	PEUGEOT
42	PROTON
43	RENAULT
44	ROVER
45	SAAB
46	SUBARU
47	SUZUKI
48	TOYOTA
49	VOLVO
50	CHRYSLER
51	DACIA
52	DAIHATSU
53	IVECO
54	JAGUAR
55	JEEP
56	LADA
57	LANCIA
58	LEXUS
59	MG
60	MINI
61	SMART
62	SSANGYONG
63	CHEVROLET
64	ISUZU
79	ANDRE
81	VW CLASSIC
82	PORSCHE CLASSIC
83	MERCEDES CLASSIC
89	ANDRE CLASSIC
98	STYLING
99	UNIVERSAL

# PRODUCT GROUP OVERVIEW

## ENGINE PARTS

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100	ENGINE COMPLETE
101	CYLINDER BLOCK AND PARTS
102	PISTONS
103	PISTON RINGS
104	CRANKSHAFT AND PARTS
105	CRANKSHAFT MAIN BEARINGS
106	ROD BEARINGS
107	PISTON/CYLINDER SET
108	CONNECTING ROD AND PARTS
110	MISCELLANEOUS CYLINDER BLOCK PARTS
111	CYLINDER HEAD AND PARTS
112	CAMSHAFT AND PARTS
113	VALVES AND PARTS
114	CAM FOLLOWERS
115	ROCKER ARM
116	PUSH ROD
120	MISCELLANEOUS CYLINDER HEAD PARTS
121	TIMING BELT
122	TENSIONER FOR TIMING BELT
123	TENSIONER DAMPER FOR TIMING BELT
124	COVER FOR TIMING BELT
125	TIMING CHAIN
126	TIMING CHAIN TENSIONER
129	OIL SUMP
131	OIL PUMP
132	OIL DIPSTICK AND SUPPORT
135	OIL COOLER
136	OIL FILLER CAP / PIPE
137	OIL PIPES AND HOSES
138	OIL DRAIN PLUG
140	MISCELLANEOUS TIMING/OIL PARTS
141	WATER PUMP AND PARTS
142	RADIATOR AND PARTS
143	RADIATOR HOSES
144	WATER PIPES
145	WATER FLANGES AND THERMOSTAT HOUSING
146	THERMOSTAT
147	EXPANSION TANK
148	EXPANSION TANK CAP
149	FAN/VISCOUS COUPLING FOR FAN
150	MISCELLANEOUS COOLING PARTS
151	CARBURETOR AND PARTS
152	FUEL PUMP
153	FLANGE FOR AIR INTAKE
154	THROTTLE VALVE CONTROL UNIT
155	INJECTOR AND PARTS
156	FUEL TANK AND PARTS
157	FUEL GAUGE
158	SENDER FOR FUEL GAUGE
160	MISCELLANEOUS INTAKE PARTS
171	VACUUM PUMP
174	TURBO
175	INTERCOOLER
176	OIL PRESSURE PIPE

177	PARTS FOR TURBO/INTERCOOLER
179	RUBBER MOUNT FOR ENGINE
180	V-BELTS
181	RIBBED BELTS
182	TENSIONER FOR BELTS AND FAN CLUTCH
183	BELT PULLEY
185	OIL FILTER
186	AIR FILTER
187	FUEL FILTER
189	ENGINE GASKET SET - COMPLETE
190	CYLINDER HEAD GASKET SET
191	CYLINDER BLOCK GASKET
192	VALVE COVER GASKET
193	CYLINDER HEAD GASKET
194	OIL SUMP GASKET
195	OIL SEALS
196	ENGINE GASKETS (FOR WATER FLANGE/INTAKE/EXH./MAN.)
199	MISCELLANEOUS ENGINE PARTS

## EXHAUST SYSTEM

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200	EXHAUST SYSTEM COMPLETE
201	MANIFOLD
202	FRONT PIPE
203	CATALYTIC CONVERTER
204	INTERMEDIATE PIPE
205	INTERMEDIATE EXHAUST
206	REAR EXHAUST
207	TAIL PIPE
208	SPORTS EXHAUST
209	CATALYTIC CONVERTER - UNIVERSAL
211	GASKET FOR EXHAUST
212	GASKET FOR CATALYTIC CONVERTER
213	GASKET SET FOR EXHAUST
214	EXHAUST CLAMP
215	CONNECTION PIPE
216	EXHAUST BRACKET
217	MOUNTING KIT FOR EXHAUST
231	HEAT EXCHANGER (AIR COOLED MODELS)
232	HEAT CONTROL BOX
233	J-TUBE
234	MOUNTING FOR HEAT EXCHANGER
235	HEATER HOSE
241	FLEX PIPE WITH INTERLOCK INNER LINER
242	FLEX PIPE WITH BRAIDED INNER LINER
243	FLEX PIPE WITHOUT INNER LINER
244	FLEX PIPE WITH WELDED ENDS
245	FLEX PIPE, OVAL, WITHOUT WELDED ENDS
246	FLEX PIPE - UNIVERSAL
247	CONVELUTED TUBE
248	SPECIAL APPLICATIONS
250	MISCELLANEOUS EXHAUST PARTS



# PRODUCT GROUP OVERVIEW

## HEATING AND AIR CONDITIONING

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261	BLOWER FOR HEATER
262	RESISTOR FOR BLOWER
263	HEAT EXCHANGER (WATER COOLED MODELS)
264	HEATER VALVE
271	COMPRESSOR
272	CONDENSER
273	EVAPORATOR
274	DRIER
275	PRESSURE SWITCH FOR AIR CONDITION
280	MISCELLANEOUS HEATING PARTS
281	INTERIOR AIR FILTER

## CLUTCH AND TRANSMISSION

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301	CLUTCH PRESSURE PLATE
302	CLUTCH DISC
303	CLUTCH RELEASE BEARING
304	CLUTCH SET
305	SLAVE CYLINDER
306	MASTER CYLINDER
307	CLUTCH OPERATING LEVER AND SHAFT
310	MISCELLANEOUS CLUTCH PARTS
311	GEAR BOX COMPLETE
312	GEAR SHIFT HOUSING
313	SYNCHRO RING FOR GEAR BOX
314	BEARING FOR GEAR BOX
315	BUSHING FOR GEAR SHIFT
316	GEAR SHIFT LEVER AND ROD
317	REPAIR KIT FOR GEAR SHIFT
318	FILTER FOR GEAR BOX
319	HYDRAULIC FILTER FOR GEAR BOX
320	GASKET FOR GEAR BOX
321	OIL SEAL FOR GEAR BOX
322	GEAR SHIFT KNOB
323	BOOT FOR GEAR SHIFT KNOB
324	RUBBER MOUNT FOR GEAR BOX
330	MISCELLANEOUS TRANSMISSION PARTS

## FRONT AXLE

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400	FRONT AXLE/FRAME HEAD
401	TRACK CONTROL ARM/WISHBONE
402	RUBBER MOUNT, TRACK CONTROL ARM / WISHBONE
403	BALL JOINT
404	CONNECTING LINK
405	STABILIZER AND PARTS
406	GROMMET FOR STABILIZER
410	MISCELLANEOUS TRACK CONTROL ARM / WISHBONE PARTS
411	WHEEL BEARING HOUSING
412	WHEEL BEARING

413	WHEEL BEARING SET
414	WHEEL HUB
415	ROTOR FOR SPEED SENSOR, ABS
420	MISCELLANEOUS WHEEL BEARING PARTS
421	SHOCK ABSORBER
422	COIL SPRING/TORSION SPRING / LEAF SPRING
423	STRUT MOUNT
424	STRUT MOUNT WITH BEARING
425	SPRING SEAT
426	RUBBER STOP FOR SHOCK ABSORBER
427	BOOT FOR SHOCK ABSORBER
430	MISCELLANEOUS SUSPENSION PARTS
431	DRIVE SHAFT/DRIVE SHAFT, COMPLETE
432	CV JOINT, OUTER
433	CV JOINT KIT, OUTER
434	CV JOINT, INNER
435	CV JOINT KIT, INNER
436	AXLE BOOT, OUTER
437	AXLE BOOT, INNER
440	MISCELLANEOUS DRIVE SHAFT PARTS
442	STEERING GEAR
443	STEERING GEAR, POWER STEERING
444	TIE ROD
445	TIE ROD WITHOUT END (AXIAL JOINT)
446	TIE ROD END
447	PROTECTION BOOT/SLEEVE
448	RUBBER MOUNT FOR STEERING GEAR
449	JOINT SHAFT
450	STEERING DAMPER
451	POWER STEERING PUMP
452	OIL TANK FOR POWER STEERING
455	STEERING WHEEL
456	STEERING COLUMN AND PARTS
460	MISCELLANEOUS STEERING PARTS

## REAR AXLE

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500	REAR AXLE BEAM
501	RUBBER MOUNT FOR REAR AXLE BEAM
502	TRACK CONTROL ARM/WISHBONE
503	RUBBER MOUNT, TRACK CONTROL ARM / WISHBONE
504	STABILIZER AND PARTS
505	CONNECTING LINK
510	MISCELLANEOUS REAR AXLE PARTS
511	WHEEL BEARING HOUSING
512	WHEEL BEARING
513	WHEEL BEARING SET
514	WHEEL HUB/STUB AXLE
515	ROTOR FOR SPEED SENSOR, ABS
520	MISCELLANEOUS WHEEL BEARING PARTS
521	SHOCK ABSORBER
522	COIL SPRING/TORSION BAR/LEAF SPRING
523	STRUT MOUNT
524	STRUT MOUNT WITH BEARING

# PRODUCT GROUP OVERVIEW

525	SPRING SEAT
526	RUBBER STOP FOR SHOCK ABSORBER
527	BOOT FOR SHOCK ABSORBER
530	MISCELLANEOUS SUSPENSION PARTS
531	DRIVE SHAFT, COMPLETE
532	CV JOINT, OUTER
533	CV JOINT KIT, OUTER
534	CV JOINT, INNER
535	CV JOINT KIT, INNER
536	AXLE BOOT, OUTER
537	AXLE BOOT, INNER
538	JOINT, PROPELLER SHAFT
539	DRIVE SHAFT BEARING AND MOUNTING
540	MISCELLANEOUS DRIVE SHAFT PARTS

## WHEEL AND BRAKE

600	STEEL WHEEL
601	ALU WHEEL
602	WHEEL CAP
603	WHEEL COVER
604	WHEEL BOLTS/NUTS
610	MISCELLANEOUS WHEEL PARTS
611	MASTER BRAKE CYLINDER
612	BRAKE FLUID TANK AND CAP
613	WHEEL CYLINDER
614	BRAKE PRESSURE REGULATOR
615	BRAKE LINE
616	BRAKE HOSE FRONT
617	BRAKE HOSE REAR
618	BRAKE BOOSTER
619	BRAKE CALIPER FRONT
620	BRAKE CALIPER REAR
630	MISCELLANEOUS HYDRAULIC BRAKE PARTS
631	BRAKE DISC FRONT
632	BRAKE DISC REAR
633	BRAKE DISC CONVERSION KIT
634	BRAKE DRUM FRONT
635	BRAKE DRUM REAR
636	BRAKE PADS FRONT
637	BRAKE PADS REAR
638	BRAKE SHOES FRONT
639	BRAKE SHOES REAR
640	MOUNTING KIT FOR BRAKE
642	DUST PLATE FRONT
643	DUST PLATE REAR
650	MISCELLANEOUS MECHANICAL BRAK PARTS

## CABLES, HANDBRAKE AND PEDAL

701	ACCELERATOR CABLE
702	CLUTCH CABLE
703	HANDBRAKE CABLE
704	CHOKE CABLE
705	HEATER CABLE
706	SPEEDOMETER CABLE
707	HOOD CABLE
708	FUEL FLAP RELEASE CABLE
709	GEAR SHIFT SELECTOR CABLE
710	BOWDEN CABLE
711	BACK REST CABLE
720	MISCELLANEOUS CABLE PARTS
721	PEDAL
722	PEDAL PAD
725	HAND BRAKE LEVER
726	HAND BRAKE LEVER HANDLE/BOOT
730	MISCELLANEOUS PEDAL / HAND BRAKE PARTS

## BODY

801	BONNET
802	TAILGATE
803	WING, FRONT
804	WING, REAR
805	FRONT PANEL
806	REAR PANEL
807	DOOR, FRONT
808	DOOR, REAR
809	DOOR PLATE
810	LOWER PANEL, OUTER
811	FUEL FLAP
812	GAS SPRING FOR HOOD
813	SOUND Baffle AND LINING
814	CONVERTIBLE HOOD AND PARTS
815	RUNNING BOARD AND PARTS
816	INSCRIPTION/EMBLEM
817	JACK SUPPORT PANEL
818	HEATING CHANNEL
819	PILLAR AND PARTS
820	MISCELLANEOUS OUTER BODY PARTS
821	INNER FRONT PANEL
822	INNER REAR PANEL
823	INNER WHEEL HOUSE, FRONT
824	INNER WHEEL HOUSE, REAR
825	LOWER PANEL, INNER
826	ENGINE TIN
827	BATTERY BOX/TRAY
831	FLOOR PLATE
840	MISCELLANEOUS INNER BODY PARTS
841	FRONT BUMPER
842	REAR BUMPER
843	FRONT BUMPER CORNER AND MOULDING


# PRODUCT GROUP OVERVIEW






844	REAR BUMPER CORNER AND MOULDING	918	GLOW PLUG
845	GRILLE	919	SPARK PLUG CONNECTOR
850	MISCELLANEOUS BUMPER AND GRILLE PARTS	920	IGNITION CABLE
851	WINDSCREEN, FRONT/REAR	921	SWITCH UNIT FOR TCI
852	DOOR WINDOW, FRONT/REAR	930	MISCELLANEOUS DISTRIBUTOR PARTS
853	SIDE WINDOW	931	TEMPERATURE SENSOR FOR COOLING SYSTEM
854	SUNROOF AND PARTS	932	THERMO SWITCH FOR COOLING SYSTEM
855	BONNET/TAILGATE SEAL	933	WATER LEVEL SWITCH
856	WING SEAL	934	TEMPERATURE SENSOR FOR OIL
857	DOOR SEAL	935	PRESSURE SWITCH FOR OIL
858	BODY SEAL	936	OIL LEVEL SWITCH
859	WINDSCREEN SEAL, FRONT/REAR	937	KNOCK SENSOR/IMPULSE SENDER
860	DOOR WINDOW SEAL, FRONT/REAR	938	LAMBDA SENSOR
861	SIDE WINDOW SEAL	939	AIR METER AND THRUST SENSOR
862	WINDOW SEAL SET	940	THERMO SWITCH FOR FAN
865	BODY/WINDOW MOULDING	941	TEMPERATURE SENSOR FOR AIR INTAKE
870	MISCELLANEOUS DOOR/HOOD/WINDOW PARTS	942	CRANKSHAFT SPEED SENSOR
871	DOOR HANDLE, FRONT	950	MISCELLANEOUS ENGINE SENSOR / SWITCH PARTS
872	DOOR HANDLE, REAR	951	HEADLAMP
873	HOOD HANDLE, FRONT/REAR	952	FOGLAMP FRONT/REAR
874	DOOR/BONNET/TAILGATE HINGE AND PARTS	953	REAR LAMP
875	DOOR LOCK, FRONT	954	TURN SIGNAL FRONT/REAR
876	DOOR LOCK, REAR	955	TURN SIGNAL SIDE
877	HOOD LOCK, FRONT/REAR	956	LICENSE PLATE LAMP
878	DOOR HANDLE, INNER, FRONT/REAR	957	INTERIOR LAMP
879	KEY	959	BULB
880	MISCELLANEOUS HANDLE PARTS	960	MISCELLANEOUS LAMP PARTS
881	WINDOW LIFTER, FRONT	961	HEADLAMP SWITCH
882	WINDOW LIFTER, REAR	962	TURN SIGNAL/WIPER SWITCH
883	WINDOW WINDER HANDLE AND PARTS	963	EMERGENCY LIGHT SWITCH
884	WINDOW LIFTER MOTOR	964	REAR WINDOW DEFOGGER SWITCH
886	ROLLER GUIDE FOR SLIDING DOOR	965	DOOR CONTACT SWITCH
891	DOOR MIRROR	966	REVERSE LIGHT/BRAKE LIGHT SWITCH
892	REARVIEW MIRROR	967	ELECTRIC WINDOW/MIRROR SWITCH
893	DOOR MIRROR GLASS	968	SWITCH FOR BLOWER
894	DOOR MIRROR HOUSE	970	MISCELLANEOUS SWITCH PARTS
895	CARPET AND LINNING	971	ABS SENSOR
896	SEAT BELT	972	DISTANCE SENSOR
897	AIR BAG	973	BRAKE PAD SENSOR
898	MISCELLANEOUS INTERIOR PARTS	974	OUTER TEMPERATURE SENSOR


## ELECTRICAL


901	ALTERNATOR/DYNAMO	982	WIPER MOTOR
902	VOLTAGE REGULATOR	983	WIPER ARM
903	STARTER	984	WIPER BLADE
904	IGNITION SWITCH/LOCK	985	WASHER PUMP
905	PULLEY FOR ALTERNATOR/DYNAMO	986	WASHER TANK/CAP
910	MISCELLANEOUS ALTERNATOR / STARTER PARTS	987	WASHER JET AND PIPES / HOSES
911	DISTRIBUTOR	990	MISCELLANEOUS WIPER/WASHER PARTS
912	DISTRIBUTOR CAP	991	ELECTRIC FAN
913	ROTOR	992	RELAY
914	HALL SENDER/IGNITION POINTS	993	FUSE/FUSE BOX
915	CONDENSER FOR DISTRIBUTOR	994	BATTERY
916	IGNITION COIL/TRANSFORMER	995	HORN
917	SPARK PLUG	996	GAUGES AND PARTS
		999	MISCELLANEOUS ELECTRICAL PARTS

Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1145100400</b> For reference: 145650002 8D0145155L 8D0145156 8D0145156A 8D0145156AX 8D0145156M 8D0145156X	Audi A4 (AEB) Passat (AEB)	1.8T 1.8T	10/95-03/97 10/96-03/97	Operating Mode: Hydraulic Manufacturer Restriction: ZF
 Hydraulic Pump, steering system	<b>1145100800</b> For reference: 145078001 048145155B 048145155C 048145155CV 048145155CX 048145155F 048145155FV 048145155FX	Audi 100 Audi A6	2.0-2.8 (incl. D) 1.9-2.5 (incl. D)	07/93-07/94 06/94-07/95	Operating Mode: Hydraulic Pump Type: Vane Pump Pressure [bar]: 120
 Hydraulic Pump, steering system	<b>1145100900</b> For reference: 028145157D 028145157DX 030145157 06A145157 1H0422155E 1J0422152GX 1J0422152MX 1J0422154B 1J0422154C 1J0422154E	Audi A3 Caddy Corrado Golf/Vento RHD New Beetle New Beetle Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Bora VW Golf/Jetta VW Golf/Vento VW Scirocco VW Scirocco	1.6-1.8 1.6-1.9 (incl. D) 2.0 1.8-2.0 (incl. D) 1.4-2.0 2.0 1.6-2.0 (incl. D) 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.4-2.0 1.6-1.8 (incl. D) 1.6-2.0 (incl. D) 1.6 1.8	09/96-08/00 11/95- 08/91-07/95 11/91-09/94 01/03- 01/98-05/01 04/88-09/96 11/95-12/96 05/96- 05/96- 09/98- 08/83-10/91 07/95- 08/83-07/86 08/84-07/92	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 90
 Hydraulic Pump, steering system	<b>1145101000</b> For reference: 1J0422152A 1J0422152MX 1J0422154 1J0422154A 1J0422154AX 1J0422154J 1J0422154JX 1J0422154V 1J0422154X 1J0422155J	Audi A3 New Beetle Polo Limousine VW Golf/Bora	1.9TDI 1.9TDI 1.0-2.0 (incl. D) 1.9TDI	09/96-06/03 01/98- 07/03- 06/98-	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 100
 Hydraulic Pump, steering system	<b>1145101200</b> For reference: 145530002 4B0145155D 4B0145155T 4B0145155TX	Audi A6	1.8-1.9 (incl. D)	04/97-04/01	Operating Mode: Hydraulic Manufacturer Restriction: ZF


Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1145101300</b> <i>For reference:</i> 145530001 4B0145155E 4B0145156 4B0145156X 8D0145156F 8D0145156FX	Audi A6 Audi A6	2.4 2.4-2.8	06/01- 04/97-05/01	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 110
 Hydraulic Pump, steering system	<b>1145101600</b> <i>For reference:</i> 8D0145145L 8D0145155Q 8D0145155QX 8D0145156K 8D0145156KV 8D0145156KX 8D0145156L 8D0145156T 8D0145156TX 8D0145177Q	Audi A4 Audi A4 Passat	1.6-1.9 (incl. D) 1.9D 1.6-2.3 (incl. D)	11/94-12/98 02/99-09/01 01/97-	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 110
 Hydraulic Pump, steering system	<b>1145101700</b> <i>For reference:</i> 145660002 8E0145155N	Audi A4	1.9-2.0TDI	06/03-	Operating Mode: Hydraulic Manufacturer Restriction: ZF
 Hydraulic Pump, steering system	<b>1145103300</b> <i>For reference:</i> 3B0422154A 3B0422154K 8D0145177D				Manufacturer Restriction: ZF Operating Mode: Hydraulic
 Hydraulic Pump, steering system	<b>1145103700</b> <i>For reference:</i> 7L6422154 7L6422154A 7L6422154B 7L6422154C 7L6422154D 7L6422154E 7L8422154 7L8422154D 7L8422154ES				Operating Mode: Hydraulic Manufacturer Restriction: KAYABA Pressure [bar]: 110

Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1445100100</b> For reference: 8832416760036 32416750423 32416760034 32416760036	BMW 3 (E46)	2.0 2.2 2.5 2.8 3.0	02/98-02/05	Operating Mode: Hydraulic Pressure [bar]: 120 Manufacturer Restriction: LUK
 Hydraulic Pump, steering system	<b>1445100700</b> For reference: 32411095155 32411095748 32411095749 32413413807 32413450765 32413450766 32416750938 32416754172 32416756575 32416756930				Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 130 Supplementary Article/ Supplementary Info: with reservoir
 Hydraulic Pump, steering system	<b>1445100800</b> For reference: 32411094965 32416756582				Operating Mode: Hydraulic Pressure [bar]: 110 Manufacturer Restriction: LUK
 Hydraulic Pump, steering system	<b>1445100900</b> For reference: 32416756611 32416758595				Operating Mode: Hydraulic Manufacturer Restriction: ZF
 Hydraulic Pump, steering system	<b>1445101000</b> For reference: 32414029151 32416768155				Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 120

Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1445101100</b>                      For reference:                      32416767452                      32416769598                      32416780413</p>				<p>Operating Mode: Hydraulic                      Manufacturer Restriction:                      ZF</p>


Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1545102300</b>  <i>For reference:</i>                      1370733                      1534806                      1805241                      4007KK                      4007KK                      6C113A671AB                      6C113A674AB                      6C113A674AC                      6C113A674AA                      71790904</p>				<p>Operating Mode: Hydraulic                      Manufacturer Restriction:                      KAYABA</p>








Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1545102300</b>  <i>For reference:</i>            1370733            1534806            1805241            4007KK            4007KK            6C113A671AB            6C113A674AB            6C113A674AC            6C113A674AA            71790904</p>				<p>Operating Mode: Hydraulic            Manufacturer Restriction:            KAYABA</p>


Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1545100100</b> <i>For reference:</i> SS1446 1370729 1379500 1406346 1495689 1523464 1569693 1721917 6C113A696AC 6C113A696AD				Operating Mode: Hydraulic Manufacturer Restriction: VISTEON
 Hydraulic Pump, steering system	<b>1545100200</b> <i>For reference:</i> SS1139 3915088 4048704 4048705 4079155 4079647 7120006 7120007 F5RC3A674CB F7RC3A674FA				Operating Mode: Hydraulic Pressure [bar]: 90
 Hydraulic Pump, steering system	<b>1145100500</b> <i>For reference:</i> 028145157 028145157B 028145157C 028145157D 028145157DX 028145157E 1H0422155E 357422155C 6K0422154 6K0422154X	Caddy Corrado Corrado Golf/Vento RHD Passat Passat Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Vento	1.6-1.9 (incl. D) 1.8 2.0 (incl. D) 2.0 1.8-2.0 (incl. D) 1.6-2.0 (incl. D) 1.8-2.0 (incl. D) 1.9D 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.6-2.0 (incl. D)	11/95- 04/89-07/92 04/93-07/95 11/91-09/94 10/93-09/96 08/91-09/93 05/89-07/91 11/95-12/96 05/96- 05/96- 07/95-09/97	Operating Mode: Hydraulic Manufacturer Restriction: ZF-Saginaw Pressure [bar]: 95
 Hydraulic Pump, steering system	<b>1545100500</b> <i>For reference:</i> SS3151 1149854 1150752 1233536 1253234 1358536 1358540 1373802 1379217 1M513A696BA				Operating Mode: Hydraulic Vehicle Equipment: for vehicles without air conditioning Pressure [bar]: 80
 Hydraulic Pump, steering system	<b>1545100600</b> <i>For reference:</i> SS2113 1C1C3A696AB 1C1C3A696AC 1C1C3A696AE 1C1C3A696AA 4042028 4047464 4055852 4059383 4123761				Operating Mode: Hydraulic Pressure [bar]: 90 Manufacturer Restriction: Holborn Eaton


Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1145100900</b> <i>For reference:</i> 028145157D 028145157DX 030145157 06A145157 1H0422155E 1J0422152GX 1J0422152MX 1J0422154B 1J0422154C 1J0422154E	Audi A3 Caddy Corrado Golf/Vento RHD New Beetle New Beetle Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Bora VW Golf/Jetta VW Golf/Vento VW Scirocco VW Scirocco	1.6-1.8 1.6-1.9 (incl. D) 2.0 1.8-2.0 (incl. D) 1.4-2.0 2.0 1.6-2.0 (incl. D) 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.4-2.0 1.6-1.8 (incl. D) 1.6-2.0 (incl. D) 1.6 1.8	09/96-08/00 11/95- 08/91-07/95 11/91-09/94 01/03- 01/98-05/01 04/88-09/96 11/95-12/96 05/96- 05/96- 09/98- 08/83-10/91 07/95- 08/83-07/86 08/84-07/92	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 90
 Hydraulic Pump, steering system	<b>1545101100</b> <i>For reference:</i> 1141655 1227887 1332457 1357617 1363848 1363849 1366465 1426694 1495668 1666079				Operating Mode: Hydraulic Manufacturer Restriction: VISTEON Vehicle Equipment: for vehicles with air conditioning Pressure [bar]: 80
 Hydraulic Pump, steering system	<b>1545101300</b> <i>For reference:</i> 1223847 1230306 1306015 1307351 1311236 1318138 1329715 1340656 1345912 1357374				Operating Mode: Electric- hydraulic Manufacturer Restriction: TRW Vehicle Equipment: for vehicles with steering angle sensor at steering gear
 Hydraulic Pump, steering system	<b>1145101800</b> <i>For reference:</i> 028145157B 028145157D 030145157 1J0422152MX 1J0422154D 1J0422154H 1J0422154HX 535145157 6N0145157 7M0145157	Galaxy Galaxy Seat Alhambra Seat Alhambra Seat Alhambra (AJH) Sharan Sharan Sharan (AJH ANU)	1.9TDI 2.8 1.8-2.8 (incl. D) 1.8T 1.9TDI 1.8T 1.8-2.8 (incl. D) 2.8 1.8T 1.9TDI	09/99-02/06 04/00-02/06 05/02- 06/00-04/02 05/98-02/00 04/00- 07/99-02/00 11/97-02/00	Operating Mode: Hydraulic Manufacturer Restriction: KAYABA
 Hydraulic Pump, steering system	<b>1545102300</b> <i>For reference:</i> 1370733 1534806 1805241 4007KK 4007KK 6C113A671AB 6C113A674AB 6C113A674AC 6C113A674AA 71790904				Operating Mode: Hydraulic Manufacturer Restriction: KAYABA

Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1545101100</b>  <i>For reference:</i>                      1141655                      1227887                      1332457                      1357617                      1363848                      1363849                      1366465                      1426694                      1495668                      1666079</p>				<p>Operating Mode: Hydraulic                      Manufacturer Restriction:                      VISTEON                      Vehicle Equipment: for                      vehicles with air                      conditioning                      Pressure [bar]: 80</p>

Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1345100100</b> For reference: 880024663801 0024663801 0024664601 0024668101 0024668201 A0024663801 A0024664601 A0024668101 A0024668201	Mercedes M (W163)	3.2 4.3 5.5	02/98-06/05	Operating Mode: Hydraulic Manufacturer Restriction: ZF/LUK
 Hydraulic Pump, steering system	<b>1345100200</b> For reference: 880024662601 0024660701 0024662501 0024662601 0024662701 0024662801 0034660701 003466070180 A0024660701 A0024662601	Mercedes Sprinter (901 902 903 904) Mercedes Vito (638)	2.3D 2.9D 2.3D	02/95-05/06 02/96-07/03	Operating Mode: Hydraulic Manufacturer Restriction: ZF/LUK
 Hydraulic Pump, steering system	<b>1345100300</b> For reference: 880024664801 0024664801 0024665101 A0024664801 A0024665101	Mercedes V (638/2) Mercedes Vito (638)	2.0 2.2D 2.3 2.8 2.0 2.3	10/96-07/03 02/96-07/03	Operating Mode: Hydraulic Manufacturer Restriction: LUK
 Hydraulic Pump, steering system	<b>1345100400</b> For reference: 880024667501 0024667501 0024667601 A0024667501 A002466750180 A0024667601 A002466760180	Mercedes Sprinter (901 902 903 904)	2.2D 2.7D	04/00-05/06	Operating Mode: Hydraulic Manufacturer Restriction: LUK/ZF Pressure [bar]: 120
 Hydraulic Pump, steering system	<b>1345100500</b> For reference: 880024669001 0024669001 0024669101 0034665601 A0024669001 A0024669101 A0034665601	Mercedes M (W163)	2.7D	12/99-06/05	Manufacturer Restriction: LUK Manufacturer Restriction: ZF Operating Mode: Hydraulic



Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1345100600</b> For reference: 0024668301 0024668401 A0024668301 A0024668401				Manufacturer Restriction: LUK Manufacturer Restriction: ZF Operating Mode: Hydraulic Pulleys: with v-ribbed belt pulley Supplementary Article/Info 2: with expansion tank
 Hydraulic Pump, steering system	<b>1345101300</b> For reference: 0034664001 0034664101 0034664201 0034664301 A0034664201 A0034664301				Manufacturer Restriction: ZF Operating Mode: Hydraulic Pressure [bar]: 130
 Hydraulic Pump, steering system	<b>1345101800</b> For reference: 0044667001 A0044667001				Operating Mode: Hydraulic Manufacturer Restriction: ZF
 Hydraulic Pump, steering system	<b>1345101900</b> For reference: 0034660501 0034660601 A0034660501 A0034660601				Operating Mode: Hydraulic Driver Position: for left-/right-hand traffic
 Hydraulic Pump, steering system	<b>1345102100</b> For reference: 0024668801 0024668901 A0024668901				Operating Mode: Hydraulic Manufacturer Restriction: LUK/ZF


Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1345102400</b>  <i>For reference:</i>                      0034669301                      0044668201                      0054660101                      0054660201                      0054660301                      A0044668201                      A0054660201</p>				<p>Operating Mode: Hydraulic                      Manufacturer Restriction:                      ZF</p>


Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1245101000</b>  <i>For reference:</i>                      4402668                      4405479                      4408222                      4414166                      491100092R                      4911000Q1A                      4911000Q1L                      4911000Q2L                      4911000QAK                      491100246R</p>				<p>Operating Mode: Hydraulic                      Manufacturer Restriction:                      ZF                      Pressure [bar]: 120</p>









Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1245100100</b> <i>For reference:</i> 880948025 0948025 5948016 90295552 90350605 90392912 93175548 948025	Astra F Astra F Calibra (not a/c) Kadett E Omega A  Omega A Omega A  Omega A Senator B Senator B Vectra A (not a/c) Vectra A (not a/c)	1.8SE C1.8NZ C1.8SEL C1.8XE X1.8XE C1.8XEL C2.0NE X2.0XE C2.0XE C2.0NE C2.0XE X2.0XEV C2.0LET 1.8E 1.8SE 1.8NV 1.8SEH 1.8SV E1.8NVR S1.8NV C2.0NE 2.0SE 2.0SE C2.4NE 2.3DTR 2.3YD 2.3YDT 3.0NE C3.0NE 2.5NE 3.0NE C3.0NE 1.8SV E1.8NVR 2.0SEH C1.8NZ 2.0NE C2.0NE 2.0XE C2.0XE	91-98 91-98 90-97 84-91 87-94  87-94 87-94  87-94 88-94 88-94 88-94 88-95 88-95	Operating Mode: Hydraulic Manufacturer Restriction: SAGINAW
 Hydraulic Pump, steering system	<b>1245100200</b> <i>For reference:</i> 880948026 0948026 5948017 90297049 948026	Astra F Calibra a/c  Omega A Senator B Vectra A Vectra A a/c Vectra A a/c	1.7D 1.7DR X1.7DTL C2.0NE C2.0XE X2.0XEV C2.0LET C3.0LE C3.0LE 1.7D 1.7DR 2.0SEH C1.8NZ 2.0NE C2.0NE 2.0XE C2.0XE C2.0LET	91-98 90-97  87-94 88-94 88-95 88-95 88-95	Operating Mode: Hydraulic Manufacturer Restriction: SAGINAW
 Hydraulic Pump, steering system	<b>1245100300</b> <i>For reference:</i> 880948031 09240114 0948020 0948031 26008257 5948023 90352753 90392955 9240114 948020	Astra F Corsa B  Kadett E Vectra A	1.7TD 1.5D X1.5D 1.5TD X1.5TD 1.7D X1.7D 1.5TD 1.7TD 1.7TD	91-98 93-00  84-91 88-95	Operating Mode: Hydraulic Manufacturer Restriction: SAGINAW
 Hydraulic Pump, steering system	<b>1245100500</b> <i>For reference:</i> 880948063 09129098 0948063 5948027 90501830 9129098 948063	Vectra B	1.6LZ2 X1.8XE 2.0NEJ C2.0SEL X2.0XEV	95-02	Operating Mode: Hydraulic Manufacturer Restriction: ZF
 Hydraulic Pump, steering system	<b>1245100600</b> <i>For reference:</i> 880948064 0948064 5948029 90495957 90501831 948064	Vectra B Vectra B	X1.6SZR X1.6XEL Y1.6XE Z1.6XE X1.8XE1 Z1.8XE Z1.8XEL	95-02 95-02	Operating Mode: Hydraulic Manufacturer Restriction: SAGINAW






Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1245100700</b> For reference: 880948085 09129098 0948085 90501830 9129098 948085</p>	<p>Vectra B Vectra B</p>	<p>1.6LZ2 X1.8XE 2.0NEJ C2.0SEL X2.0XEV C2.2SEL</p>	<p>95-02 95-02</p>	<p>Operating Mode: Hydraulic Manufacturer Restriction: ZF</p>
 <p>Hydraulic Pump, steering system</p>	<p><b>1245101000</b> For reference: 4402668 4405479 4408222 4414166 491100092R 4911000Q1A 4911000Q1L 4911000Q2L 4911000QAK 491100246R</p>				<p>Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 120</p>



Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1545102300</b>  <i>For reference:</i>                      1370733                      1534806                      1805241                      4007KK                      4007KK                      6C113A671AB                      6C113A674AB                      6C113A674AC                      6C113A674AA                      71790904</p>				<p>Operating Mode: Hydraulic                      Manufacturer Restriction:                      KAYABA</p>

Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1245101000</b>  <i>For reference:</i>                      4402668                      4405479                      4408222                      4414166                      491100092R                      4911000Q1A                      4911000Q1L                      4911000Q2L                      4911000QAK                      491100246R</p>				<p>Operating Mode: Hydraulic                      Manufacturer Restriction:                      ZF                      Pressure [bar]: 120</p>




Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1145100500</b> For reference: 028145157 028145157B 028145157C 028145157D 028145157DX 028145157E 1H0422155E 357422155C 6K0422154 6K0422154X	Caddy Corrado Corrado Golf/Vento RHD Passat Passat Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Vento	1.6-1.9 (incl. D) 1.8 2.0 (incl. D) 2.0 1.8-2.0 (incl. D) 1.6-2.0 (incl. D) 1.8-2.0 (incl. D) 1.9D 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.6-2.0 (incl. D)	11/95- 04/89-07/92 04/93-07/95 11/91-09/94 10/93-09/96 08/91-09/93 05/89-07/91 11/95-12/96 05/96- 05/96- 07/95-09/97	Operating Mode: Hydraulic Manufacturer Restriction: ZF-Saginaw Pressure [bar]: 95
 Hydraulic Pump, steering system	<b>1145100900</b> For reference: 028145157D 028145157DX 030145157 06A145157 1H0422155E 1J0422152GX 1J0422152MX 1J0422154B 1J0422154C 1J0422154E	Audi A3 Caddy Corrado Golf/Vento RHD New Beetle New Beetle Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Bora VW Golf/Jetta VW Golf/Vento VW Scirocco VW Scirocco	1.6-1.8 1.6-1.9 (incl. D) 2.0 1.8-2.0 (incl. D) 1.4-2.0 2.0 1.6-2.0 (incl. D) 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.4-2.0 1.6-1.8 (incl. D) 1.6-2.0 (incl. D) 1.6 1.8	09/96-08/00 11/95- 08/91-07/95 11/91-09/94 01/03- 01/98-05/01 04/88-09/96 11/95-12/96 05/96- 05/96- 09/98- 08/83-10/91 07/95- 08/83-07/86 08/84-07/92	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 90
 Hydraulic Pump, steering system	<b>1145101000</b> For reference: 1J0422152A 1J0422152MX 1J0422154 1J0422154A 1J0422154AX 1J0422154J 1J0422154JX 1J0422154V 1J0422154X 1J0422155J	Audi A3 New Beetle Polo Limousine VW Golf/Bora	1.9TDI 1.9TDI 1.0-2.0 (incl. D) 1.9TDI	09/96-06/03 01/98- 07/03- 06/98-	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 100
 Hydraulic Pump, steering system	<b>1145101400</b> For reference: 422710001 030145157D 6N0422154E 6N0422154EX 6N0422154F 6N0422155E 6X0422154 6X0422154X	Caddy Lupo Polo Polo Classic	1.4-1.6 1.0-1.4 1.0-1.6 1.4	11/95- 10/98- 04/96-09/01 10/99-09/01	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 72
 Hydraulic Pump, steering system	<b>1145101700</b> For reference: 145660002 8E0145155N	Audi A4	1.9-2.0TDI	06/03-	Operating Mode: Hydraulic Manufacturer Restriction: ZF

Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<p><b>1145101800</b>  <i>For reference:</i>            028145157B            028145157D            030145157            1J0422152MX            1J0422154D            1J0422154H            1J0422154HX            535145157            6N0145157            7M0145157</p>	<p>Galaxy            Galaxy            Seat Alhambra            Seat Alhambra            Seat Alhambra (AJH)            Sharan            Sharan            Sharan (AJH ANU)</p>	<p>1.9TDI            2.8            1.8-2.8 (incl. D)            1.8T 1.9TDI            1.8T            1.8-2.8 (incl. D)            2.8            1.8T 1.9TDI</p>	<p>09/99-02/06            04/00-02/06            05/02-            06/00-04/02            05/98-02/00            04/00-            07/99-02/00            11/97-02/00</p>	<p>Operating Mode: Hydraulic            Manufacturer Restriction:            KAYABA</p>



Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1145100900</b> <i>For reference:</i> 028145157D 028145157DX 030145157 06A145157 1H0422155E 1J0422152GX 1J0422152MX 1J0422154B 1J0422154C 1J0422154E	Audi A3 Caddy Corrado Golf/Vento RHD New Beetle New Beetle Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Bora VW Golf/Jetta VW Golf/Vento VW Scirocco VW Scirocco	1.6-1.8 1.6-1.9 (incl. D) 2.0 1.8-2.0 (incl. D) 1.4-2.0 2.0 1.6-2.0 (incl. D) 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.4-2.0 1.6-1.8 (incl. D) 1.6-2.0 (incl. D) 1.6 1.8	09/96-08/00 11/95- 08/91-07/95 11/91-09/94 01/03- 01/98-05/01 04/88-09/96 11/95-12/96 05/96- 05/96- 09/98- 08/83-10/91 07/95- 08/83-07/86 08/84-07/92	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 90
 Hydraulic Pump, steering system	<b>1145101000</b> <i>For reference:</i> 1J0422152A 1J0422152MX 1J0422154 1J0422154A 1J0422154AX 1J0422154J 1J0422154JX 1J0422154V 1J0422154X 1J0422155J	Audi A3 New Beetle Polo Limousine VW Golf/Bora	1.9TDI 1.9TDI 1.0-2.0 (incl. D) 1.9TDI	09/96-06/03 01/98- 07/03- 06/98-	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 100
 Hydraulic Pump, steering system	<b>1145101400</b> <i>For reference:</i> 422710001 030145157D 6N0422154E 6N0422154EX 6N0422154F 6N0422155E 6X0422154 6X0422154X	Caddy Lupo Polo Polo Classic	1.4-1.6 1.0-1.4 1.0-1.6 1.4	11/95- 10/98- 04/96-09/01 10/99-09/01	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 72
 Hydraulic Pump, steering system	<b>1145101600</b> <i>For reference:</i> 8D0145145L 8D0145155Q 8D0145155QX 8D0145156K 8D0145156KV 8D0145156KX 8D0145156L 8D0145156T 8D0145156TX 8D0145177Q	Audi A4 Audi A4 Passat	1.6-1.9 (incl. D) 1.9D 1.6-2.3 (incl. D)	11/94-12/98 02/99-09/01 01/97-	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 110
 Hydraulic Pump, steering system	<b>1145103300</b> <i>For reference:</i> 3B0422154A 3B0422154K 8D0145177D				Manufacturer Restriction: ZF Operating Mode: Hydraulic

Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system, 120 Bar, new	<b>1145100200</b> For reference: 422215001 251422155A 251422155AX	VW Transporter T3	1.6-1.7D TD	01/81-07/92	Operating Mode: Hydraulic Pressure [bar]: 120 New Part:
 Hydraulic Pump, steering system	<b>1145100300</b> For reference: 422390002 7E0422153A 7H0422153 7H0422153A 7H0422153G 7H0422153H	VW Transporter T5	2.5TDI	04/03-05/07	Operating Mode: Hydraulic Manufacturer Restriction: KAYABA
 Hydraulic Pump, steering system	<b>1145100400</b> For reference: 145650002 8D0145155L 8D0145156 8D0145156A 8D0145156AX 8D0145156M 8D0145156X	Audi A4 (AEB) Passat (AEB)	1.8T 1.8T	10/95-03/97 10/96-03/97	Operating Mode: Hydraulic Manufacturer Restriction: ZF
 Hydraulic Pump, steering system	<b>1145100500</b> For reference: 028145157 028145157B 028145157C 028145157D 028145157DX 028145157E 1H0422155E 357422155C 6K0422154 6K0422154X	Caddy Corrado Corrado Golf/Vento RHD Passat Passat Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Vento	1.6-1.9 (incl. D) 1.8 2.0 (incl. D) 2.0 1.8-2.0 (incl. D) 1.6-2.0 (incl. D) 1.8-2.0 (incl. D) 1.9D 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.6-2.0 (incl. D)	11/95- 04/89-07/92 04/93-07/95 11/91-09/94 10/93-09/96 08/91-09/93 05/89-07/91 11/95-12/96 05/96- 05/96- 07/95-09/97	Operating Mode: Hydraulic Manufacturer Restriction: ZF-Saginaw Pressure [bar]: 95
 Hydraulic Pump, steering system	<b>1145100600</b> For reference: 145048010 028145157F 028145157FX 701422155E 701422155F 7D0422154X 7D0422155A	VW Transporter T4 VW Transporter T4 VW Transporter T4	1.9TD (ABL) 2.0 (AAC) 2.8 (AES)	01/96-06/03 01/96-06/03 01/96-04/00	Manufacturer Restriction: ZF Operating Mode: Hydraulic Pressure [bar]: 120



Description	Item no.	Application	Engine	Year	Criteria / Information
 <p>Hydraulic Pump, steering system</p>	<b>1145100700</b> <i>For reference:</i> 145074001 044145157A 044145157AX 701422155B 701422155BX	VW Transporter T4	1.9-2.5 (incl. D)	09/90-12/95	Operating Mode: Hydraulic Manufacturer Restriction: ZF
 <p>Hydraulic Pump, steering system</p>	<b>1145100900</b> <i>For reference:</i> 028145157D 028145157DX 030145157 06A145157 1H0422155E 1J0422152GX 1J0422152MX 1J0422154B 1J0422154C 1J0422154E	Audi A3 Caddy Corrado Golf/Vento RHD New Beetle New Beetle Passat Polo Classic Polo Classic Polo Classic a/c VW Golf/Bora VW Golf/Jetta VW Golf/Vento VW Scirocco VW Scirocco	1.6-1.8 1.6-1.9 (incl. D) 2.0 1.8-2.0 (incl. D) 1.4-2.0 2.0 1.6-2.0 (incl. D) 1.6-1.9 (incl. D) 1.6-2.0 (incl. D) 1.4-1.6 1.4-2.0 1.6-1.8 (incl. D) 1.6-2.0 (incl. D) 1.6 1.8	09/96-08/00 11/95- 08/91-07/95 11/91-09/94 01/03- 01/98-05/01 04/88-09/96 11/95-12/96 05/96- 05/96- 09/98- 08/83-10/91 07/95- 08/83-07/86 08/84-07/92	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 90
 <p>Hydraulic Pump, steering system</p>	<b>1145101000</b> <i>For reference:</i> 1J0422152A 1J0422152MX 1J0422154 1J0422154A 1J0422154AX 1J0422154J 1J0422154JX 1J0422154V 1J0422154X 1J0422155J	Audi A3 New Beetle Polo Limousine VW Golf/Bora	1.9TDI 1.9TDI 1.0-2.0 (incl. D) 1.9TDI	09/96-06/03 01/98- 07/03- 06/98-	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 100
 <p>Hydraulic Pump, steering system</p>	<b>1145101100</b> <i>For reference:</i> 422380002 2D0422155 2D0422155C	LT	2.5SSDI TDI	05/96-07/96	Operating Mode: Hydraulic Pressure [bar]: 125 Manufacturer Restriction: LUK
 <p>Hydraulic Pump, steering system</p>	<b>1145101400</b> <i>For reference:</i> 422710001 030145157D 6N0422154E 6N0422154EX 6N0422154F 6N0422155E 6X0422154 6X0422154X	Caddy Lupo Polo Polo Classic	1.4-1.6 1.0-1.4 1.0-1.6 1.4	11/95- 10/98- 04/96-09/01 10/99-09/01	Operating Mode: Hydraulic Manufacturer Restriction: ZF Pressure [bar]: 72

Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1145101500</b> <i>For reference:</i> 422355001 074145157C 074145157CX 701422155E 701422155F 7D0422155	VW Transporter T4	2.4-2.5 (incl. D)	01/96-06/03	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 105
 Hydraulic Pump, steering system	<b>1145101600</b> <i>For reference:</i> 8D0145145L 8D0145155Q 8D0145155QX 8D0145156K 8D0145156KV 8D0145156KX 8D0145156L 8D0145156T 8D0145156TX 8D0145177Q	Audi A4 Audi A4 Passat	1.6-1.9 (incl. D) 1.9D 1.6-2.3 (incl. D)	11/94-12/98 02/99-09/01 01/97-	Operating Mode: Hydraulic Manufacturer Restriction: ZF-SAGINAW Pressure [bar]: 110
 Hydraulic Pump, steering system	<b>1145101700</b> <i>For reference:</i> 145660002 8E0145155N	Audi A4	1.9-2.0TDI	06/03-	Operating Mode: Hydraulic Manufacturer Restriction: ZF
 Hydraulic Pump, steering system	<b>1145101800</b> <i>For reference:</i> 028145157B 028145157D 030145157 1J0422152MX 1J0422154D 1J0422154H 1J0422154HX 535145157 6N0145157 7M0145157	Galaxy Galaxy Seat Alhambra Seat Alhambra Seat Alhambra (AJH) Sharan Sharan Sharan (AJH ANU)	1.9TDI 2.8 1.8-2.8 (incl. D) 1.8T 1.9TDI 1.8T 1.8-2.8 (incl. D) 2.8 1.8T 1.9TDI	09/99-02/06 04/00-02/06 05/02- 06/00-04/02 05/98-02/00 04/00- 07/99-02/00 11/97-02/00	Operating Mode: Hydraulic Manufacturer Restriction: KAYABA
 Hydraulic Pump, steering system	<b>1145101900</b> <i>For reference:</i> 2E0422155A 2E0422155B 2E0422155C 7E0422154 7E0422154D 7E0422154F 7H0422154D 7H0422154F	VW Transporter T5 VW Transporter T5	1.9TDI 2.0 3.2	04/03-05/08 02/04-05/08	Operating Mode: Hydraulic Manufacturer Restriction: KAYABA Pressure [bar]: 110

Description	Item no.	Application	Engine	Year	Criteria / Information
 Hydraulic Pump, steering system	<b>1145103300</b> <i>For reference:</i> 3B0422154A 3B0422154K 8D0145177D				Manufacturer Restriction: ZF Operating Mode: Hydraulic
 Hydraulic Pump, steering system	<b>1145103700</b> <i>For reference:</i> 7L6422154 7L6422154A 7L6422154B 7L6422154C 7L6422154D 7L6422154E 7L8422154 7L8422154D 7L8422154ES				Operating Mode: Hydraulic Manufacturer Restriction: KAYABA Pressure [bar]: 110

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