



ELECTRICAL PARTS

PART 7 4th Edition



ISO/TS 16949:2002 certified supplier



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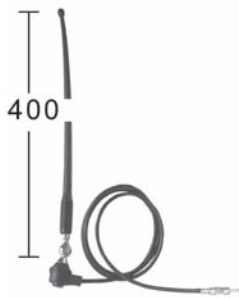
ABBREVIATIONS:

A=Assortment, **AC**=Air Condition, **Alu**=Aluminium, **Amp.**=Ampere, **AT**=Automatic Transmission, **Cat.**=Catalyzer, **Cyl.**=Cylinder, **CW**=Clockwise rotation, **Eur.**=European application, **FWD.**=Front Wheel Drive, **H**=Hight, **HD**=Heavy Duty construction, **HP**=Horse Power, **I.D.**=Inner Diameter, **kW.**=Kilowatt, **L.**=Length, **LHD**=Left Hand Drive, **LL.**=Lead Length, **M**=Minimum supply, **MT**=Manual Transmission, **Mtr.**=Metre, **O.D.**=Outer Diameter, **O.E.**=Original Equipment, **PS**=Power Steering, **RHD**=Right Hand Drive, **Th.**=Thickness, **V.**=Volt, **W**=With, **Wo**=Without, **W.**=Width, **4WD.**=Four Wheel Drive, New Number.

Care is taken to ensure the accuracy of descriptions and applications of each item, but assumes no responsibility for possible errors. O.E.M. names and numbers are used for reference purposes only.

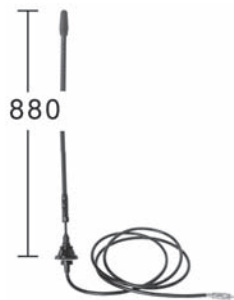
Printed in Denmark. Copyright © 2006 Holger Christiansen A/S

Aerials



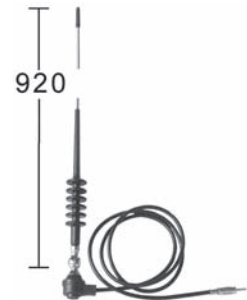
040077

400 mm.
Black plastic-rubber. Removable mast.
8 mm. hole. 0 - 180° angle.
150 Ohm. 1.2 mtr. cable.



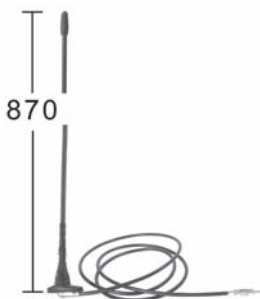
040182

880 mm.
Black fibre glass. Removable mast.
18 mm. hole. 0 - 45° angle.
75 Ohm. 1.6 mtr. cable.



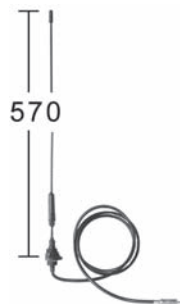
040178

920 mm. extended. 2 sections.
Stainless steel.
Black base, w/ dummy spring.
8 mm. hole. 180° angle.
150 Ohm. 1.2 mtr. cable.



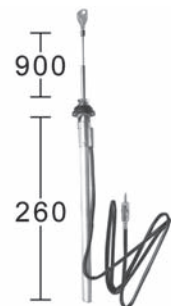
040179

870 mm.
Black fibre glass. Removable mast.
13 mm. hole. 0 - 45° angle.
130 Ohm. 1.6 mtr. cable.



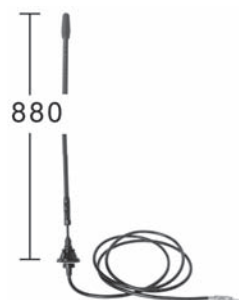
040190

570 mm.
Black fibre glass. Removable mast.
18 mm. hole. 0 - 45° angle.
150 Ohm. 1.3 mtr. cable.



040183

900 mm. extended. 4 sections.
W/ lock. Stainless steel.
18 mm. hole. 0 - 45° angle.
Base 34 mm. 150 Ohm. 1.2 mtr. cable.



040181

880 mm.
Black fibre glass. Removable mast.
18 mm. hole. 0 - 45° angle.
130 Ohm. 1.6 mtr. cable.



040177

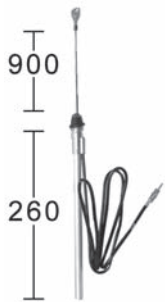
960 mm. extended. 2 sections.
Stainless steel, w/ spring.
8 mm. hole. 0 - 90° angle.
150 Ohm. 2.1 mtr. cable.



040185

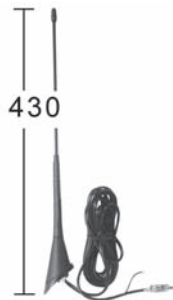
900 mm. extended. 4 sections.
W/ lock. Black stainless steel.
18 mm. hole. 0 - 45° angle.
Base 28 mm. 150 Ohm. 1.2 mtr. cable.

Aerials



040186

900 mm. extended. 4 sections.
W/ lock. Stainless steel.
15 mm. hole. 0 - 21° angle.
150 Ohm. 1.4 mtr. cable.



040198

16 V. roof type.
430 mm.
14 mm. hole. 53° angle.
4.5 mtr. cable, amplified model.
Base 55 x 35 mm.

Aerial Extension Leads



040018

L. 60 cm.

040019

L. 90 cm.

040192

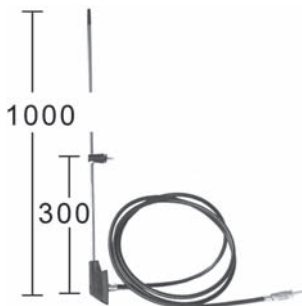
L. 200 cm.

040094

L. 350 cm.

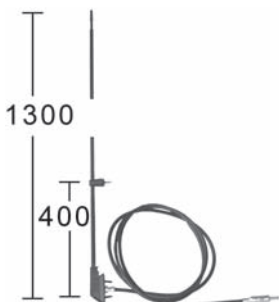
040020

L. 400 cm.



040180

Universal.
1000 mm. extended. 3 sections.
Stainless steel.
Pillar mounting. 12 mm. hole.
150 Ohm. 1.5 mtr. cable.



040191

Universal.
1300 mm. extended. 3 sections.
Black stainless steel.
Pillar mounting. 12 mm. hole.
150 Ohm. 1.5 mtr. cable.

Aerials

Aerial Plugs & Sockets



040095 Std pkg 10
Female.



040096 Std pkg 10
Male.



040199
Aerial plug, new standard (ISO).



040200 Std pkg 10
Adaptor, new to old plug (ISO>DIN).



040201
Adaptor, old to new plug (DIN>ISO).



040206
Adaptor cable DIN-ISO.



040207
Adaptor cable Fakra-DIN.



040208
Adaptor cable Fakra-ISO.

Radio Accessories

Loudspeakers In Cabinet



W/ grille

040202

1" dome tweeter.
28 mm.
Impedance 4 Ohm.
Max. power 110 Watt.
W/ crossover network.
Supplied in pairs.



040196

Bass reflex.
Impedance 4 Ohm.
Dim: 320 x 138 x 183 mm.
Max. power 150 Watt.
Supplied in pairs.



040197

Impedance 4 Ohm.
Dim: 97 x 95 x 95 mm.
Max. power 20/40 Watt.
Supplied with mounting bracket.
Supplied in pairs.



040205

2-way asymmetric.
Dim.: 205 x 98 x 108 mm.
Impedance 4 Ohm.
Max. power 70/120 Watt.
Supplied in pairs.

Cross reference list page 117

Radio Accessories

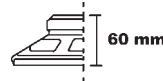
Built-In



W/ grille

040203

4x6". 2-way.
Dim.: 100 x 150 mm.
Impedance 4 Ohm.
Max. power 260 Watt.
Supplied in pairs.



W/ grille

040204

6". 2-way.
162 mm.
Impedance 4 Ohm.
Max. power 300 Watt.
Supplied in pairs.

**Loudspeaker
Terminals**



040097 Std pkg 10

Angle terminal.
DIN plug.



W/ grille

040193

4" double cone.
100 mm.
Impedance 4 Ohm.
Max. power 150 Watt.
Supplied in pairs.



W/ grille

040195

6 x 9" 4-ways.
Impedance 4 Ohm.
Dim.: 241 x 170 x 102 mm.
Max. power 350 Watt.
Supplied in pairs.



W/ grille

040194

5" double cone.
131 mm.
Impedance 4 Ohm.
Max. power 25/50 Watt.
Supplied in pairs.

Cross reference list page 117

Radio Accessories

Capacitors For Car Radios



150100 Std pkg 10
Interference capacitor.
2.2 μ F.
Universal.
Cable L. 100 mm.



150101 Std pkg 10
Interference capacitor.
2.2 μ F.
Universal w/ angled terminal.
Cable L. 80 mm.



150407 Std pkg 10
Interference capacitor.
2.2 μ F.
Universal w/ angled terminal.
Cable L. 40 mm.



150408 Std pkg 10
Interference capacitor.
2.2 μ F.
Universal w/ ring terminal.
Cable L. 100 mm.

Radio Mounting Kits Universal



040088
For integral front.
Universal snap-in for old 3-hole car radio.



040170
Galvanized. W/ gasket.
For integral front.

Radio Boxes Universal



040149
Black acryl.
For integral front.

CCTV Rear Observation System



160607

5.5" Black and White Rear Observation System.

Includes:

- 5.5" CRT Black/White Monitor 12-24 V.
- Built-in loudspeaker. (Cargo 160665).
- Normal image / Mirror image select switch on monitor.
- Connection for extra camera.

Black/White Camera (Cargo 160774)

- Built-in microphone.
- Waterproof.
- Low light sensitivity - 0.1LUX for night vision.
- Wide view angle, 130° diagonal.

Connection cable (Cargo 160611)

- 20 mtr. (6pin Mini DIN)

Mounting parts & Users Manual.



160775

7" TFT/LCD Colour Rear Vision Observation System.

Includes:

- 7" TFT/LCD Monitor (Cargo 160776).
- High quality 7" TFT/LCD (16:9) Monitor w/ On Screen Display (OSD)
- Support 4 CCD inputs.
- Support split picture (double and quad).
- Provide 2 video signal output (live and quad).
- Quad signal output can be recorded via Mobile-DVR.
- Provide designated picture when pressing "Jump" key.
- User friendly OSD control by encoder switch.
- Individually adjusted CCD mirror function through OSD.
- Provide distance gauge when shifting to reverse gear.
- Support DVD, VCD or game station connecting to AV.
- Auto turn On via trigger cable to reverse, camera 1 and 2.
- Auto NTSC/PAL detection.
- Power source 12/24 V.

Colour camera (Cargo 160609)

- Waterproof aluminium housing for protection against foul weather, shock and vibration.
- Wide view angle, 150° diagonal.
- Infrared LED's for night vision.
- Built-in microphone.
- Protection degree: IP 67.

Connection cable (Cargo 160611)

- 20 mtr. (6pin Mini DIN).

Mounting parts & User Manual.



160605 LHD

160606 RHD

Multimedia Rear View Mirror System - Model S12R/L.

Includes:

Rear view mirror

- 4" TFT/LCD built-in (Right/Left side) colour monitor
- Built-in loudspeaker.
- Anti-glare optical multi-layer blue glass.

Colour camera (Cargo 160609).

Switch box 12/24 V.

- W/ connections for DVD/VCD/GPS.
- Mobile phone hand free function.

Connection cable (Cargo 160612).

- 15 mtr. (6pin Mini DIN).

Mounting parts & Users Manual.

CCTV Rear Observation System



160662 LHD
160664 RHD
Multimedia Rear View Mirror System - Model S12R/L

- Includes:
- 4" TFT/LCD built-in (Right/Left side) colour monitor.
 - Built-in loudspeaker.
 - Anti-glare optical multi-layer blue glass.

- Colour camera (Bumper fit) (Cargo 160610)
- Aluminium w/original anodised finish and anti-fog glass.
 - 30 mm. (O.D.) x 65 mm. (L), 200 g.
 - Wide view angle, 110° diagonal.
 - Sensitivity < 1 LUX.
 - W/ mirror function (on camera).
 - Protection degree: IP 68.
 - Connection: 6pin Mini DIN.

- Switch box 12/24 V.
- W/ connections for DVD/VCD/GPS.
 - Mobile phone hand free function.

- Connection cable (Cargo 160612).
- 15 mtr. (6pin Mini DIN)

Mounting parts & User Manual

Spare Parts



160776
High quality 7" TFT/LCD (16:9) monitor.
 • Built-in controlbox.
 Standard monitor in kit Cargo 160775.



160665
5.5" CRT B/W monitor.
 • Built-in loudspeaker.
 • Free voltage 12 V. - 24 V.
 • Connection for 2 cameras.
 Standard monitor in kit Cargo 160607.



160609
Colour camera cased in waterproof aluminium housing for protection against foul weather and shock/vibration.
 • Wide view angle, 150° diagonal.
 • Infrared LED's for night vision.
 • Built-in microphone.
 • Connection: 6pin Mini DIN.
 • Protection degree: IP67.
 Standard camera in following kits:
 Cargo 160602, -604, -605, -606 and -775.



160610
Colour camera (Bumper fit, Biuld-in)
 • Aluminium w/original anodised finish and anti-fog glass.
 • 30 mm. (O.D.) x 65 mm. (L), 200g
 • Wide view angle, 110° diagonal.
 • Sensitivity < 1 LUX.
 • W/ mirror function (on camera)
 • Protection degree: IP 68.
 • Connection: 6pin Mini DIN.
 Standard camera in following kits:
 Cargo 160662, -664.



160774
Black/White Camera.
 • Waterproof
 • Built-in microphone
 • Wide view angle, 130° diagonal.
 • Low light sensitivity - 0.1LUX for night vision.
 • Connection: 6pin Mini DIN.
 Standard camera in kit Cargo 160607.

CCTV Rear Observation System

Accessories



170942

Magnet w/ metalbase for cameras.
O.D. 75 mm.



160603

6pin Mini DIN to RCA.
Connection used for connecting extra camera to switchbox.
For Cargo 160602.



Extension cables (6pin Mini DIN)
For following kits: Cargo 160602, -604, -605, -606, -607 and -775.

160672

6 mtr.

160613

10 mtr.

160612

15 mtr.

160611

20 mtr.



160663

Trailer cable kit.
3.5 mtr. coiled cable (extended length).
0.5 mtr. cable connection to monitor.
0.5 mtr. cable connection to camera.
(6pin Mini DIN).
Used w/ Cargo 160602, -604, -604, -606, -607 and -775.

Spare Parts for Cargo 160663



181459

Socket.
Die cast aluminium.
Screw terminals.



181460

Plug.
Die cast aluminium.
Screw terminals.

Accessories for Cargo 160602



Used for switching between cameras.

180206 Std pkg 10

12 V. 16 Amp.
On / off.
4 terminals.
W/ location and function light.
Fixing hole 22.1 x 44.1 mm.
Supplied w/o symbol plate.

180207 Std pkg 10

As Cargo 180206, but
24 V. 8 Amp.



Symbol plates for
Cargo 180206 and 180207

Std pkg 10

181462 Green.

181463 Red.

181464 Camera.

Voyager CCTV Rear Observation System

Heavy duty



160567

Heavy duty observation system w/ high resolution.
 6.8" LCD flat screen colour monitor with dual camera input.
 Waterproof 1/3" CCD high resolution colour camera w/ wide viewing angle and microphone.
 Night and day mode.
 15 mtr. extension cable.
 Only 12 V. system, for 24 V. use converter Cargo 160387.

4" mounting bracket for LCD flat screen: Cargo 160568.

Incl installation instruction and mounting hardware.

Spare Parts



160576

6.8" colour monitor 12 V.
 Heavy duty monitor, build in speaker.
 Water / UV resistant housing.
 Dual camera input.
 Brightness / Contrast / Day-Night / Volume Control.



160575

High resolution 1/3" colour camera.
 Lightweight aluminium die cast body.
 Waterproof.
 W/ microphone.
 Superior low-light performance.
 (Night vision).

Accessories



160577

4 camera switchbox, incl. keypad.
 For black/white and colour.



160568

4" mounting bracket for LCD flat screen.



Screened camera to trailer cable w/ connector.

- 160572 . B/W monitor to camera 7.7 mtr.
- 160525 . B/W monitor to camera 20 mtr.
- 160552 . extension cable 7.7 mtr.
- 160573 . extension cable 15 mtr.
- 160574 . extension cable 23 mtr.



160657

4pin Mini DIN connector to RCA.
 Makes it possible to connect a video, CD player or playstation to a Voyager system.



160526

Trailer cables.
 Waterproof.
 6 mtr. to monitor, 14 mtr. to camera and 2 mtr. coiled cable. (Not extended).

Dashboard Gauges



N

160695

Voltmeter 8-16 V.
O.D. 52 mm.
Black bezel and white figures.
Clamp mount.



N

160696

Voltmeter 16-32 V.
O.D. 52 mm.
Black bezel and white figures.
Clamp mount.



N

160697

Ammeter.
O.D. 52 mm.
30-0-30.
Black bezel and white figures.
Clamp mount.



N

160698

Ammeter.
O.D. 52 mm.
60-0-60.
Black bezel and white figures.
Clamp mount.



N

160699

Electrical water temperature gauge and sender.
Dashboard gauge O.D. 52 mm.
Black bezel and white figures.
Clamp mount.
Sender 1/8" NPTF.



N

160700

12 V. Electrical oil pressure gauge and sender.
Dashboard gauge O.D. 52 mm.
Black bezel and white figures.
Clamp mount.
Sender 1/8" NPTF.



N

160701

12 V. fuel gauge and sender.
Dashboard gauge O.D. 52 mm.
Black bezel and white figures.
Clamp mount.

160702

12-28 V. hourmeter.
O.D. 52 mm.
Black bezel and white figures.
Clamp mount.

N

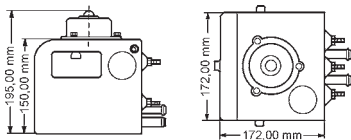


N

160703

Mechanical turbo boost gauge.
O.D. 52 mm.
Black bezel and white figures.
Clamp mount.

Cabin Heaters



Complete including mounting kit w/ tube connection and switch.

060210

Replacing Heat-On 1531-5012.
12 V. 6.0 kW.
Air flow 360 m³/h.
Water connection O.D. 16 mm.

060211

Replacing Heat-On 1531-5024.
24 V. 6.0 kW.
Air flow 360 m³/h.
Water connection O.D. 16 mm.



060216

The heater has three 75 mm. tube connections on the air inlet side. There are also three 75 mm. tube connections on the outlet side. The water connections can be placed on either side of the heater and also be turned towards either the inlet or the outlet side.

Replacing Heat-On 3055-12.

Technical data:

Speed	1	2	3
Heating capacity / kW at 100° C TD. . .	7.2	9.3	12.2
Air flow / m ³ / h.	264	357	504
Sound level / dB(A).	51	55	64
Power consumption / W.	60	77	114
Voltage / V.	12		
Water connection / O.D. / mm.	16		
Radiator	Copper / Brass		
Cabinet	Stainless steel		
Weight / kg.	6.3		

060220

Replacing Heat-On 3055-24.
As Cargo 060216, but
24 Volt.



Cabin Heaters



060221

This heater is characterized by its compact modern design, the very low sound level, and the very low weight.

This versatile heater can be used in all kinds of vehicles, e.g. as auxiliary heater in buses, ambulances and vans.

Replacing Heat-On 640 Mojave.

Technical data:

12 V. (24 V. on request).

Speed	1	2	3
Heating capacity / kW at 100° C TD.	2.8	3.9	4.5
Air flow / m ³ /h.	118	194	238
Sound level / dB(A).	42	52	58
Power consumption / W.	75		
Water connection / O.D. / mm.	16		
Radiator	Copper / Aluminium		
Cabinet	ABS		
Dimensions	227 x 254 x 126 mm.		
Weight / kg.	2.5		

Mounting kit with wiring, switch and fuse is included.



060222

This cab heater is easily installed in small off road vehicles or as auxiliary heater in buses and delivery vans.

The heating cycle is controlled by means of the built-in 1/4-turn water valve and the built-in switch.

Replacing Heat-On 1331-12.

Technical data:

12 V.

Speed	1
Heating capacity / kW at 100° C TD.	1.9
Air flow / m ³ /h.	76
Sound level / dB(A).	63
Power consumption / W.	24
Water connection / O.D. / mm.	12
Radiator	Copper / Brass
Cabinet	Zinc plated steel w/ black polyester enamel.
Dimensions	267 x 106 x 135 mm.
Weight / kg.	3.0



060223

This very powerful cab heater is used for airrecirculation, and has all connections behind a cover allowing hoses and cables to be led in any direction.

It has a powerful fan (230 W.) controlled by means of a built-in 3-step switch.

The heating cycle is controlled by means of a built-in 1/4-turn water valve. Efficient distribution of the air through the adjustable air vents provides for demisting of the cab screens w/o the use of extra tubes and nozzels.

Replacing Heat-On 2100-12.

Technical data:

12 V.

Speed	1	2	3
Heating capacity / kW at 100° C TD.	4.3	6.3	9.2
Air flow / m ³ /h.	180	288	468
Sound level / dB(A).	48	53	64
Power consumption / W.	230		
Water connection / O.D. / mm.	16		
Radiator	Copper / Brass		
Cabinet	Zinc plated steel w/ black polyester enamel.		
Dimensions	310 x 210 x 130 mm.		
Weight / kg.	5.8		

060233

Replacing Heat-On 2100-24.

As Cargo 060223, but
24 Volt.

Cabin Heaters

Spare Parts



060215

Replacing Heat-On 1531-10.
Servicing Cargo 060210 and 060211.
Fan.

Accessories



060058

Replacing Heat-On 1518.
Defroster-set for Cargo 060210 and 060211.

Contains:
2 demist nozzels.
2 rubber elbows.
160 cm. tube. Hose I.D. 45 mm.



060217

Replacing Heat-On 3050-20.
Servicing Cargo 060216.
Air inlet kit.

Contains:
1 air return grill.
1 inlet plate.
3 tube connectors.
310 cm. tube. Hose I.D. 75 mm.



060218

Replacing Heat-On 3055-20.
Servicing Cargo 060216.
Air inlet kit for recirculation.

Contains:
1 air return grill.
2 connector plates.
2 tube connectors.
1 round air vent.
620 cm. tube. Hose I.D. 75 mm.



060219

Replacing Heat-On 3050-30.
Servicing Cargo 060216.
Air distribution kit.

Contains:
3 round air vents.
620 cm. tube. Hose I.D. 75 mm.



060228

Replacing Heat-On 66221.
Air vent.
Built-in.
O.D.: 101 mm.



060229

Replacing Heat-On 66231.
Air vent.
O.D.: 101 mm.
Hose I.D.: 70/76 mm.



060230

Replacing Heat-On 62769.
Air vent.
Built-in.
O.D.: 86 mm.



060231

Replacing Heat-On 1418-4.
Air vent.
Built-in.
O.D.: 68 mm.



060232

Replacing Heat-On 64750.
Long air vent.
Dim.: 200 x 40 mm.

Cabin Heaters



060008
Replacing Heat-On 1350-7.
 Tube connection.
 For 16 mm. heating tube I.D.



060224
Replacing Heat-On 1350-2.
 Hose connector.
 16 mm. hose connectors.



060225
Replacing Heat-On 1350-3.
 Water valve.
 12 mm. hose connectors.
 L.: 85 mm.



060226
Replacing Heat-On 1350-6.
 Water valve 3/8".
 16 mm. hose connectors.
 W/ fitting 3/8" BSP.



060227
Replacing Heat-On 1350-8.
 Water valve 1/4 turn.
 16 mm. hose connectors.
 L.: 112 mm.



070192
Replacing VW 251 965 561 B.
 Circulation Pump.
 For hose I.D. 20 mm. in and outlet.
 12 V.

Heater Motors



060213
Replacing Heat-On 1531M-5012.
Servicing Cargo 060210.
 12 V. 50 Watt.
 Shaft 6.35 x16 mm. (1/4").
 O.D. 70 mm. L. 63 mm.
 3 hole fixing.
 Two speed.



060059
Replacing Heat-On 1531M-2412.
 12 V. 24 Watt.
 Shaft 6.35 x16 mm. (1/4").
 O.D. 70 mm. L. 63 mm.
 3 hole fixing.
 Single speed.



060214
Replacing Heat-On 1531M-5024.
Servicing Cargo 060211.
 24 V. 50 Watt.
 Shaft 6.35 x16 mm. (1/4").
 O.D. 70 mm. L. 63 mm.
 3 hole fixing.
 Single speed.

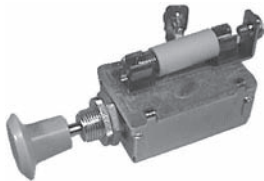
Cabin Heaters



060060

Replacing Heat-On 1531M-2424.
 24 V. 24 Watt.
 Shaft 6.35 x16 mm. (1/4").
 O.D. 70 mm. L. 63 mm.
 3 hole fixing.
 Single speed.

Blower Switches



180125

White knob. 12 / 24 V.
 W/ resistor.
 0 - 1 - 2.
 2 screw terminals.
 Fixing hole 10.5 mm.

Brushes for Electrical Power Steering



141083

Set of 4 pcs.
Servicing Renault, Peugeot, Citroën.
 12.2 x 7.1 x 21.2 mm.

Brushes for Heater Motors



140164 Std pkg 10 **A**
Servicing Bosch, Webasto.
 8 x 10 x 19.5 mm.



H5-6 Std pkg 10 **A**
Servicing Lucas, Smith.
 6 x 6 x 11.6 mm.



H26 Std pkg 10 **A**
Servicing Webasto.
 6 x 9 x 16.5 mm.



H54 Std pkg 10 **A**
Replacing EP533BOS.
Servicing Boi-Wo, Heat-on.
 5 x 6.3 x 10 mm.



H56 Std pkg 10 **A**
Servicing Elektrolux.
 5 x 6 x 13 mm.



H106 Std pkg 10 **A**
Replacing 00-14-16-31.
Servicing AVOG.
 8 x 12 x 20 mm.



PL5 Std pkg 10 **A**
 8 x 8 x 21 mm.

Electrical Fuel Pumps

Pressure Conversion Table

Bar	PSI	Column Fuel	Column Diesel
0.50	7.2	6.7 mtr.	5.6 mtr.
0.45	6.4	6.0 mtr.	5.0 mtr.
0.40	5.7	5.4 mtr.	4.5 mtr.
0.35	5.0	4.7 mtr.	3.9 mtr.
0.30	4.3	4.0 mtr.	3.4 mtr.
0.25	3.6	3.3 mtr.	2.8 mtr.
0.20	2.9	2.7 mtr.	2.2 mtr.
0.15	2.2	2.0 mtr.	1.7 mtr.
0.10	1.4	1.3 mtr.	1.1 mtr.
0.05	0.7	0.7 mtr.	0.6 mtr.

Suction Pumps

To be mounted in engine compartment. The pump is self-priming and stops when no fuel demand exists. W/ electronic contacts. Fitting instruction included.



070019

Universal, 12 V.
 Inlet / outlet:
2 screw terminals R-1/4" at an angle of 60°.
 Fuel delivery capacity:
Max. 120 Litre/h.
 Pressure head:
Max. 0.10 bar = 1.3 mtr.
 Suction head:
Max. 0.20 bar = 2.7 mtr.
Servicing Bobcat etc.



070021

Universal, 12 V.
 Inlet / outlet:
2 tube terminals O.D. 8 mm. swivelling approx 220°.
 Fuel delivery capacity:
Max. 120 Litre/h.
 Pressure head:
Max. 0.10 bar = 1.3 mtr.
 Suction head:
Max. 0.20 bar = 2.7 mtr.

W/ waterproof electrical connections. VW approved for oil drain on marine engines.



070184

Universal, 12 V.
 Inlet / outlet:
2 tube terminals O.D. 8 mm. swivelling approx 220°.
 Fuel delivery capacity:
Max. 120 Litre/h.
 Pressure head:
Max. 0.10 bar = 1.3 mtr.
 Suction head:
Max. 0.20 bar = 2.7 mtr.

Electrical Fuel Pumps

Pressure Pumps

To be mounted near the tank.
 The pump is self-priming and stops when no fuel demand exists.
 W/ electronic contacts.
 Fitting instruction included.



070032

Universal. 12 V.
 Inlet / outlet:
2 tube terminals O.D. 8 mm. swivelling approx 220°.
 Fuel delivery capacity:
Max. 120 Litre/h.
 Pressure head:
Max. 0.25 bar = 3.3 mtr.
 Suction head:
Max. 0.10 bar = 1.3 mtr.

070078

Universal. 12 V.
 Inlet / outlet:
2 tube terminals O.D. 8 mm. swivelling approx 220°.
 Fuel delivery capacity:
Max. 125 Litre/h.
 Pressure head:
Max. 0.35 bar = 4.7 mtr .
 Suction head:
Max. 0.12 bar = 1.5 mtr.

070107

Universal. 24 V.
 Inlet / outlet:
2 tube terminals O.D. 8 mm. swivelling approx 220°.
 Fuel delivery capacity:
Max. 125 Litre/h.
 Pressure head:
Max. 0.35 bar = 4.7 mtr.
 Suction head:
Max. 0.12 bar = 1.5 mtr.



070143

Servicing Thermo King, Carrier.
 Universal. 12 V.
 Inlet / outlet:
2 tube terminals O.D. 1/8 NPSF in and outlet.
 Fuel delivery capacity:
Max. 155 Litre/h.
 Pressure head:
Max. 0.7 bar = 7.3 mtr.
 Suction head:
Max. 0.12 bar = 1.5 mtr.

Accessories for Cargo 070143



070183

Replacing Thermo King 10-262.
 Filter kit.



070161

12 V. 1.4-5.7 Psi. (0.1-0.4 kg.)
 Inlet / outlet: 8 mm. hose connection.
 Fuel delivery capacity: **80-150 Litre/h.**

Hose Nipples see page 34

Electrical Fuel Pumps



Interrupter Pumps

Universal

Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.

Prevents flooding and assures satisfactory restarting on the hottest days.

Vertical mounting near tank is preferred.

The pumps are self priming.

To 1.1 mtr. fuel lift.

Inlet / outlet 1/8"-27 thread

Included Hose nipples Cargo 070009

Fitting instruction included.

Fuel delivery capacity:

113.5 Litre/h.

Tested at:

+60° C.

If higher fuel deliveries are required, two or more pumps can be manifolded in series and/or parallel hook-ups.



070003

Universal.

12 V. 4-5 Psi.

070004

Universal.

24 V. 4-5 Psi.

070058

Servicing Thermo King etc.

12 V. 7-9.5 Psi.

070169

Universal.

12 V. Max. 7.5 Psi.

Inlet / outlet 1/8"-27 thread.



070176

Universal, high performance.

12 V.

Red dot marked.

Fuel delivery capacity: **173 Litre/h.**



070134

Servicing New Holland.

Universal.

12 V.

Inlet / outlet 3/4" thread.

Accessories



070177

Filter.

Servicing 070003, 070004, 070058, 070134, 070169, 070176.



070076

Servicing Refrigeration units etc.

12 V. 8.5-12.5 Psi. (0.6 - 0.9 kg.)

W/ integral filter.

Fuel delivery capacity: **94 Litre/h.**



Solid State Pumps

Universal.

Built in Pressure Relief: assures an immediate return to zero pressure, when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.

For cars w/ fuel-pressure. Not injection.

To be mounted near the tank.

The solid state pump is self priming to 30 cm. fuel lift.

Inlet / outlet 1/8"-27 thread

Included Hose nipples Cargo 070009

W/ electronic contacts.

Fitting instruction included.



070056

Servicing Caterpillar, IH/Case etc.

24 V. 4½-6 Psi. (0.3 - 0.45 kg.)

Fuel delivery capacity: **113.5 Litre/h.**

070057

Servicing Thermo King etc.

12 V. 10 Psi. (0.7 kg.)

Fuel delivery capacity: **30 Litre/h.**

Electrical Fuel Pumps

Fuel Pumps Posi-Flo

(Solid state pumps).
Universal.

Built in Pressure Relief: assures an immediate return to zero pressure, when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.


For cars w/ fuel-pressure. Not injection.
To be mounted near the tank.

The solid state pump is self priming to 30 cm. fuel lift.


W/ electronic contacts.

Fitting instruction included.



070187

12 V. 1.5-4 Psi. (0.1 - 0.3 kg). 
Inlet / outlet 1/8"-27 thread
Fuel delivery capacity: **95 Litre/h.**
Included Hose nipples Cargo 070009


070188

12 V. 4-7 Psi. (0.3 - 0.5 kg). 
Inlet / outlet 1/8"-27 thread
Fuel delivery capacity: **132 Litre/h.**
Included Hose nipples Cargo 070009



070189

12 V. 1.5-4 Psi. (0.1 - 0.3 kg). 
Inlet / outlet 8 mm hose I.D.
Fuel delivery capacity: **95 Litre/h.**

070190

12 V. 4-7 Psi. (0.3 - 0.5 kg). 
Inlet / outlet 8 mm hose I.D.
Fuel delivery capacity: **132 Litre/h.**

070191

12 V. 7-10 Psi. (0.5-0.7 kg). 
Inlet / outlet 8 mm hose I.D.
Fuel delivery capacity: **139 Litre/h.**

Hose Nipples
see page 34

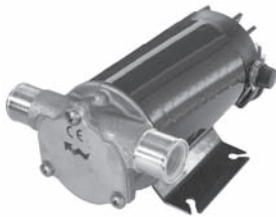
Electrical Water Pumps



070192

Circulation Pump.

Replacing VW 251 965 561 B.
For hose I.D. 20 mm. in and outlet.
12 V.



Self-priming electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2" BSP inner thread and I.D. 25 mm. bore hose connections.
Main application: as a bilge pump.

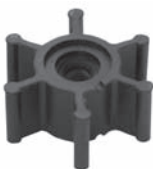
070144

12 V.
Flow rate (2 mtr.) 35 Litre/min.
Lift 8 mtr.
Dim.: 120 x 180 mm.

070145

As Cargo 070144, but
24 V.

Spare Parts



070146

Impeller for Cargo 070144 and 070145.



Self-priming electric gear pump equipped w/ filter, pressure switch, non-return valve to be used as automatic pump for water pressure systems on boats, mobile homes ect. Pump body made of brass, bronze gears, stainless steel shaft and a rubber lip seal. For I.D. 14 mm. inner tubing.

070153

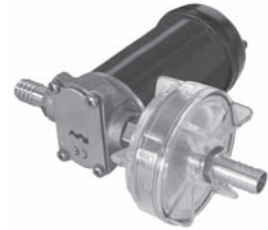
12 V.
Flow rate (2 mtr.) 14 Litre/min.
Lift 20 mtr.
Dim.: 140 x 240 mm.

070172

As Cargo 070153, but
24 V.



Electrical Fluid Pumps



Self-priming electric pump w/ bronze gears for transfer of various liquids, complete w/ in-line filter.

Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 3/8" BSP w/ brass connection for I.D. 14 mm. inner tubing.

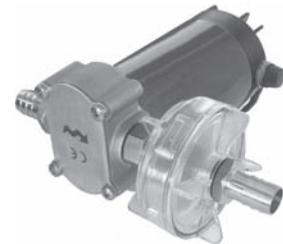
Main application: Transfer of diesel fuel, water, antifreeze etc.

070147

12 V.
Flow rate (2 mtr.) 14 Litre/min.
Lift 20 mtr.
Dim.: 140 x 160 mm.

070148

As Cargo 070147, but
24 V.



Self-priming electric pump w/ bronze gears for transfer of various liquids, complete w/ in-line filter.

Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2" BSP w/ brass connection for I.D. 16 mm. inner tubing.

Main application: Transfer of diesel fuel, water, antifreeze etc.

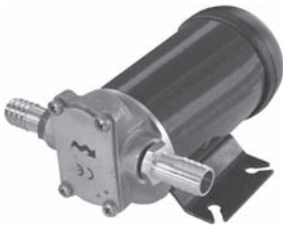
070149

12 V.
Flow rate (2 mtr.) 26 Litre/min.
Lift 20 mtr.
Dim.: 183 x 174 mm.

070150

As Cargo 070149, but
24 V.

Electrical Fluid Pumps



Electric gear pump particularly suitable for the transfer of lubricating oils or viscous liquids, complete w/ two brass connections for 14 mm. inner tube and one additional quick-fit for 8 mm. external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070151

12 V.
Flow rate (8 mtr.) 60 Litre/h.
Dim.: 90 x 140 mm.



Electric gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Professional model, complete w/ two brass connections for 14 mm. inner tube and one additional quick-fit for 8 mm. external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070152

12 V.
Flow rate (8 mtr.) 75 Litre/h.
Dim.: 166 x 102 mm.

070173

As Cargo 070152, but
24 V.

Spare Parts



070182

Servicing 070144, -145, -149, -150, -152.
5.6 x 8.6 x 18.1 mm.
Brushes.

Accessories



070158

Intake Strainer.



070159

As Cargo 070158, but
w/ automatic floating switch.
Levels: Opening 57 mm.
Closing 22 mm.

Electrical Bilge Pumps

Completely submersible bilge pump.
 Compact design w/ ABS material housing,
 corrosion resistant.
 Shaft seal made of ceramic and graphite
 which ensures lubrication and leak
 resistance.
 Water inlet strainer slots will screen
 particles present in the bilge allowing easy
 running.
 Pump body can be dismantled by a simple
 snap-off movement for easy inspection and
 cleaning.



070154

12 V.
 Flow rate 18 Litre/min.
 Lift 2 mtr.
 For 20 mm. hose I.D. (3/4").
 Dim.: 75 x 92 mm.



070155

12 V.
 Flow rate 50 Litre/min.
 Lift 3 mtr.
 For 20 mm. hose I.D. (3/4").
 Dim.: 75 x 115 mm.



070156

12 V.
 Flow rate 90 Litre/min.
 Lift 4 mtr.
 For 32 mm. hose I.D. (1 1/8").
 Dim.: 120 x 160 mm.

070185

As Cargo 070156, but
 24 V.

Has a simple snap-on system for easy
 inspection.



070157

12 V.
 Flow rate 130 Litre/min.
 Lift 5 mtr.
 For 32 mm. hose I.D. (1 1/8").
 Dim.: 120 x 180 mm.

070186

As Cargo 070157, but
 24 V.

Has a simple snap-on system for easy
 inspection.



Spare Parts



070160

Automatic floating switch for bilge pumps,
 made of corrosion resistant material for
 maximum reliability.
 Levels: Opening 57 mm.
 Closing 22 mm.

Fuel Injection Pumps 12 V.



070071

Replacing Original fuel pump on:
Audi and VW.
Pressure: 1.2 bar.



070054

Replacing Original fuel injection pump on:
Alfa Romeo, Fiat, Peugeot, Porsche,
Saab and Volvo.
Pressure: 2.0 - 3.5 bar.



070061

Replacing Original fuel injection pump on:
Audi, Ford, Ferrari, Mercedes and VW.
Pressure: 3.0 - 6.5 bar.



070074

Replacing Original fuel pump on: BMW.
Pressure: 3.5 bar.



070055

Replacing Original fuel injection pump on:
Ford and Mercedes.
Pressure: 2.0 - 3.5 bar.



070063

Replacing Original fuel injection pump on:
Volvo.
Pressure: 3.0 - 6.5 bar.



070075

Replacing Original fuel pump on: Volvo.



070059

Replacing Original fuel injection pump on:
Jaguar and Volvo.
Pressure: 2.0 - 3.5 bar.



070064

Replacing Original fuel injection pump on:
Ferrari, Ford, Mercedes and Peugeot.
Pressure: 3.0 - 6.5 bar.



070053

Replacing Original fuel injection pump on:
Alfa Romeo, BMW, Citroën, Fiat, Lancia,
Opel, Peugeot, Renault, Triumph and VW.
Pressure: 2.0 - 3.5 bar.



070060

Replacing Original fuel injection pump on:
Audi, Peugeot, Volvo and VW.
Pressure: 3.0 - 6.5 bar.



070065

Replacing Original fuel injection pump on:
BMW, Ford, Mercedes, Peugeot,
Porsche, Renault and Volvo.
Pressure: 3.0 - 6.5 bar.

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Fuel Injection Pumps 12 V.

In-Tank Modules



070079

Replacing Original fuel injection pump on: VW.
Pressure: 1.2 bar.



070080

Replacing 8D0 906 089 A.
Servicing Audi.
Pressure: 4.0 bar.



070081

Replacing 1H0 919 051 AK.
Servicing VW.
Pressure: 3.0 bar.



070082

Replacing 1H0 919 651 P.
Servicing Seat, VW.
Pressure: 3.0 bar.

Pump only Cargo 070137.



070083

Replacing 1H0 919 651 C.
Servicing VW.
Pressure: 4.0 bar.



070084

Replacing 1H0 919 051 K.
Servicing VW.
Pressure: 1.2 bar.



070085

Replacing 1614 1 182 842.
Servicing BMW.
Pressure: 3.5 bar.



070086

Replacing 1H0 919 651 N.
Servicing Seat, VW.
Pressure: 1.2 bar.

Pump only Cargo 070136.



070163

Replacing 0986 580 310, 1525H8.
Servicing Peugeot.
Pressure: 3.0 bar.



070164

Replacing 0986 580 256, 1525Y1.
Servicing Peugeot.
Pressure: 3.5 bar.

Fuel Injection Pumps 12 V.

070165

Replacing 0986 580 259, 8200057324.

Servicing Renault.
Pressure: 3.5 bar.


070168

Replacing 0986 580 174, 1525F7.

Servicing Citroën, Peugeot.
Pressure: 3.0 bar.
Diesel.


070194

Replacing 0580 303 026, 1525C2, 96 305 857, 9635281380.

Servicing Peugeot.
Pressure: 3.0 bar.


070166

Replacing 961 079 21.
Servicing Citroën Xantia.
Pressure: 3.0 bar.


070171

Replacing 96VW9H307BB, 1J0919 051 B.

Servicing Ford, VW.
Pressure: 3.0 bar.


070196

Replacing 1525R4, 9639913780, 228-222-012-005C.

Servicing Peugeot.
Pressure: 3.0 bar.
Diesel.


070167

Replacing 0986 580 257, 1525Q4.

Servicing Peugeot.
Pressure: 3.5 bar.


070180

Replacing 1525 R2. 73068 01.

Servicing Citroën Picasso.
Pressure: 3.0 bar.
W/ additional heating system.
Diesel.


070197

Replacing 1525N7, 0986 580 260.

Servicing Peugeot, Citroën.
Pressure: 3.6 bar.


070193

Replacing SMR439567.

Servicing Mitsubishi.
Pressure: 3.6 bar.

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Cross reference list page 117

Fuel Injection Pumps 12 V.

In-Tank Pumps



070066

Replacing 357 906 092C.
Servicing VW.
Original pre-feed pump.
Pressure: 0.24 Bar.



070072

Replacing Original fuel pump on:
Seat and VW.
Pressure: 1.2 bar.



070073

Replacing Original fuel pump on:
Seat and VW.
Pressure: 3.0 bar.



070087

Replacing 17040 S01 A30.
Servicing Honda.
Pressure: 3.0 bar.



070088

Replacing 17040 S10 A00.
Servicing Honda.
Pressure: 3.8 bar.



070089

Replacing 31110-28100.
Servicing Hyundai, Mazda, Mitsubishi.
Pressure: 3.8 bar.
As Cargo 070102, but
w/ different mounting parts.



070090

Replacing 31111-23001.
Servicing Hyundai.
Pressure: 3.1 bar.



070091

Replacing 31111-23100.
Servicing Hyundai, Daewoo.
Pressure: 3.3 bar.



070092

Replacing MB 698857.
Servicing Mitsubishi, Isuzu.
Pressure: 3.8 bar.



070093

Replacing 8-97069336-1.
Servicing Honda, Isuzu, Nissan.
Pressure: 3.0 bar.



070094

Replacing AOK 008.
Servicing Daewoo, Kia.
Pressure: 3.2 bar.



070095

Replacing 23221-50060.
Servicing Lexus, Toyota.
Pressure: 3.8 bar.

Fuel Injection Pumps 12 V.



070096

Replacing 23206-74140.
Servicing Lexus, Toyota.
 Pressure: 3.76 bar.



070100

Replacing KL11-13-350G.
Servicing Mazda.
 Pressure: 3.1 bar.



070104

Replacing 42021 AC070.
Servicing Subaru.
 Pressure: 2.55 bar.



070097

Replacing 23206-35250.
Servicing Lexus, Toyota.
 Pressure: 2.8 bar.



070101

Replacing MB 83 1560.
Servicing Ford, Mitsubishi, Mazda, VW.
 Pressure: 3.8 bar.



070105

Replacing 15100-80C02.
Servicing Suzuki.
 Pressure: 3.0 bar.



070098

Replacing B3E7-13-35ZB.
Servicing Mazda.
 Pressure: 3.8 bar.



070102

Replacing MB 912304.
Servicing Mitsubishi.
 Pressure: 3.8 bar.
 As Cargo 070089, but
 w/ different mounting parts.



070106

Replacing 15100-57B10.
Servicing Suzuki.
 Pressure: 3.0 bar.



070099

Replacing B630-13-350B.
Servicing Honda, Mazda.
 Pressure: 3.0 bar.



070103

Replacing 42021 AA020.
Servicing Subaru.
 Pressure: 2.55 bar.



070108

Replacing 0986580011.
Servicing Bosch, Lexus, Toyota.
 Pressure: 3.0 bar.

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Fuel Injection Pumps 12 V.



070109

Replacing 23220-74021.
Servicing Toyota.
Pressure: 2.83 bar.



070113

Replacing 7742416.
Servicing Fiat.
Pressure: 3.2 bar.



070117

Replacing 30611490, ERJ 187.
Servicing Volvo.
Pressure: 3.0 bar.



070110

Replacing 23221-76030.
Servicing Toyota.
Pressure: 2.83 bar.



070114

Replacing AOV 081.
Servicing Volvo.
Pressure: 4.0 bar.



070118

Replacing 40 21 358.
Servicing Saab.
Pressure: 4.2 bar.



070111

Replacing ZZM4-13-350.
Servicing Mazda.
Pressure: 3.0 bar.



070115

Replacing 9480152.
Servicing Volvo.
Pressure: 2.76 bar.



070119

Replacing 898 0039.
Servicing Saab.
Pressure: 4.5 bar.



070112

Replacing 7747117.
Servicing Fiat.
Pressure: 1.2 bar.



070116

Replacing 30611491.
Servicing Volvo.
Pressure: 2.4 bar.



070120

Replacing 191 906 091B.
Servicing VW.
Pressure: 3.0 bar.

Fuel Injection Pumps 12 V.



070121

Replacing 191 906 091 C.
Servicing VW.
Pressure: 5.0 bar.



070125

Replacing 77 00 808 949.
Servicing Renault.
Pressure: 1.2 bar.



070129

Replacing 0580 453 424, 170 425 F600.
Servicing Nissan Primera.
Pressure: 3.0 bar.



070122

Replacing 443 906 091 C.
Servicing VW.
Pressure: 6.5 bar.



070126

Replacing 75 55 130.
Servicing Fiat.
Pressure: 1.5 bar.



070130

Replacing 0580 453 329.
Servicing Nissan.
Pressure: 3.0 bar.



070123

Replacing 8 15 012.
Servicing Opel.
Pressure: 1.5 bar.



070127

Replacing 547 812.
Servicing Alfa Romeo, Renault.
Pressure: 3.0 bar.



070131

Replacing 0580 453 412, -465.
Servicing Opel.
Pressure: 3.8 bar.



070124

Replacing 8 15 019.
Servicing Opel.
Pressure: 3.5 bar.



070128

Replacing 17042-10S00.
Servicing Nissan.
Pressure: 3.0 bar.



070132

Replacing 0580 453 328.
Servicing Nissan.
Pressure: 3.0 bar.

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Fuel Injection Pumps 12 V.



070133

Replacing 0580 453 408.
Servicing Fiat, Alfa Romeo, Chevrolet.
 Pressure: 3.5 bar.



070138

Replacing ERJ 197.
Servicing PSA, Renault, Rover Group.
 Pressure: 3.1 bar.



070170

Replacing 0580 453 420, 944 70 60.
Servicing Volvo.
 Pressure: 4.0 bar.



070135

Replacing 0580 453 016, 0580 453 017, 357 906 091.
Servicing VW Passat.
 Pressure: 1.2 bar.



070139

Replacing 91AB9H307.
Servicing Ford, Opel, PSA.



070174

Replacing 815008.
Servicing Opel.
 Pressure: 4.0-8.0 bar.



070136

Servicing VW, Seat.
 Singlepoint system.
 Pressure: 1.2 bar.



070140

Replacing 0580 453 019 E, 0580 453 021 E.
Servicing BMW.
 Pressure: 3.0 bar.



070178

Replacing 357906091A, 0580 453 012, -013.
Servicing VW.
 Pressure: 3.0 bar.



070137

Servicing VW, Seat.
 Multipoint system.
 Pressure: 3.0 bar.



070142

Replacing 0580 453 053, 16141 179 415.
Servicing BMW, Peugeot.
 Pressure: 3.5 bar.



070179

Servicing Audi, Seat, VW.
 Pressure: 3.0 bar.

Fuel Injection Pumps 12 V.**070195**

Replacing 0580 453 081, 7.18259.50.0,
441 906 087 E.

Servicing VW.

Pressure: 4.0 bar.

Spare Parts**070141**

Strainer.

Servicing Cargo 070123.

*Applications list page 77
Cross reference list page 117*

Hose Nipples



070009 Std pkg 100 **A**
Screw terminal R 1/8".
For 6 mm. hose I.D.




070077 Std pkg 25 **A**
Screw terminal 1/8-27 NPTF.
For 6 mm. hose I.D.



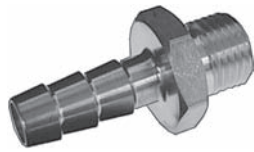
080955 Std pkg 10 **A**
Screw terminal 1/8-27 NPTF.
For 8 mm. hose I.D.



070181
90°. 
Screw terminal 1/8-27 NPTF.
For 8 mm. hose I.D.



070067 Std pkg 25 **A**
Screw terminal R 1/4".
For 10 mm. hose I.D.



080857 Std pkg 10
Screw terminal 1/2"-20 UNF.
For 8 mm. hose I.D.



080960 Std pkg 10 **A**
Screw terminal 1/2"-20 UNF.
For 10 mm. hose I.D.



080855 Std pkg 10 **A**
Screw terminal R 1/2".
For 10 mm. hose I.D.



080954 Std pkg 10 **A**
Screw terminal M14-1.5.
For 6 mm. hose I.D.



080854 Std pkg 10 **A**
Screw terminal M14-1.5.
For 8 mm. hose I.D.



080959 Std pkg 10 **A**
Screw terminal M14-1.5.
For 10 mm. hose I.D.



080858 Std pkg 10 **A**
Screw terminal M16-1.5.
For 8 mm. hose I.D.



070070 Std pkg 25
Screw terminal M16-1.5.
For 10 mm. hose I.D.



080958 Std pkg 10
Screw terminal M 18-1.5.
For 10 mm. hose I.D.

Relay Boxes



160167

Switches the voltage from 24 V. to 12 V. by 5 relays, run at 24 V. and leading 12 V. from one of the batteries or converter to the lamps on the trailer.
For continuous use it has to be connected with a converter.
 Load per relay: 10 Amp.
 Wattage per relay: 250 Watt.



160502

For 12 V. trailer drawn by vehicles w/ 24 V. C2 controllamp for missing ground, broken bulb and wrong polarising.
 Water resistant.
 Protection degree: IP65.



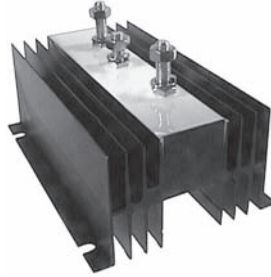
160717

For 12 V. trailer coupling 12 V.
 To protect/relief the wire and connection in the car.

Contents:

- 1.8 mtr. multi core cable.
- 7 x 1.5 mm².
- 1 x 2.5 mm². white (Ground).
- Mounting instructions.

Battery Isolators



160342

To separate multi battery systems, when more than 1 battery is used. (eg. in caravans, electric/hydraulic equipment in trucks, industrial vehicles, boats etc.)
 6-36 V.
 Max. 70 Amp.
 Dim.: 85 x 115 x 95 mm.

160343

As Cargo 160342, but w/ external voltage sensing system.
 W/ compensate diode.

160398

As Cargo 160342, but max. 120 Amp.
 Dim.: 170 x 115 x 95 mm.

160399

As Cargo 160398, but with external voltage sensing system.
 W/ compensate diode.

This battery isolator distinguishes itself from the existing models in the marked in having an improved MOS-FET transistor circuit (0-voltage drop) in comparison with existing models in the marked. These have diodes w/ 0.8 - 1.2 voltage drop.



160690

12/24 V.
 100 amp.
 2 batteries.



160691

12/24 V.
 150 amp.
 2 batteries.



160692

12/24 V.
 150 amp.
 3 batteries.

Multi Power Converter



160579

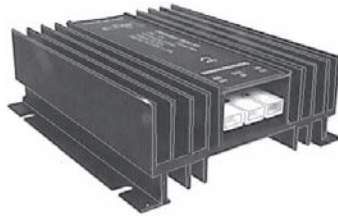
Input: **36-90 V. DC.**
 Output: **12 V.**
 Effect: **6 Amp.**
 Protection degree **IP 68**
 Dimension: **134 x 94 x 18 mm.**



160580

Input: **36-90 V. DC.**
 Output: **12 V.**
 Effect: **15 Amp.**
 Protection degree **IP 68**
 Dimension: **134 x 94 x 48 mm.**

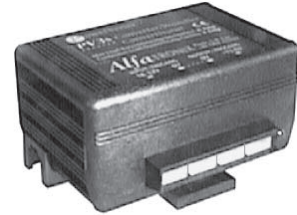
Voltage Converter



160247

24 -> 12 V.
 Type: Linear non-insulated
 Input voltage: **24 V. (20-32 V.)**
 Output voltage: **13.8 V.**
 Load
 continuous: **8.0 Amp.**
 intermittent (10 min.) **10.0 Amp.**
 Off load current: **14 mAmp.**
 Wattage: **110 Watt.**
 Dimension: **160 x 123 x 45 mm.**
 Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.
 The converter is intended for use with heavy duty communication equipment or other similar equipment.
 Fitting instruction included.



160387

24 -> 12 V.
 Type: Switch mode non-insulated
 Input voltage: **24 V. (20-32 V.)**
 Output voltage: **13.8 V.**
 Load
 continuous: **3.0 Amp.**
 intermittent (5 min.) **6.0 Amp.**
 Off load current: **8 mAmp.**
 Wattage: **40 Watt.**
 Dimension: **68 x 87 x 50 mm.**
 Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.
 The converter is supplied with a unique clip mounting bracket.
 The converter is intended for use with radios, cassette players or other similar equipment.
 Fitting instruction included.



160388

24 -> 12 V.
 Type: Switch mode non-insulated
 Input voltage: **24 V. (20-32 V.)**
 Output voltage: **13.8 V.**
 Load
 continuous: **6.0 Amp.**
 intermittent (5 min.) **10.0 Amp.**
 Off load current: **8 mAmp.**
 Wattage: **75 Watt.**
 Dimension: **90 x 87 x 50 mm.**
 Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.
 The converter is supplied with a unique clip mounting bracket. The converter is intended for use with radios, cassette players, CB and cell phones or other similar equipment.
 Fitting instruction included.

Voltage Converter



160306

24 -> 12 V.

Type: Switch mode non-insulated

Input voltage: **24 V. (20-32 V.)**

Output voltage: **13.8 V.**

Load

continuous: **12.0 Amp.**

intermittent (5 min.) **18.0 Amp.**

Off load current: **8 mAmp.**

Wattage: **160 Watt.**

Dimension: **128 x 87 x 50 mm.**

Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.

The converter is supplied with a unique clip mounting bracket. The converter is intended for use with heavy duty communication equipment or other similar equipment.

Fitting instruction included.



160390

24 -> 12 V.

Type: Switch mode insulated

Input voltage: **24 V. (20-32 V.)**

Output voltage: **13.8 V.**

Load

continuous: **3.0 Amp.**

intermittent (5 min.) **6.0 Amp.**

Off load current: **8 mAmp.**

Wattage: **40 Watt.**

Dimension: **90 x 87 x 50 mm.**

Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.

The converter is supplied with a unique clip mounting bracket. The converter is intended for use with the same equipment as Cargo 160387, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petro-chemical transports.

Fitting instruction included.



160392

24 -> 12 V.

Type: Switch mode insulated

Input voltage: **24 V. (20-30 V.)**

Output voltage: **13.8 V.**

Load

continuous: **12.0 Amp.**

intermittent (5 min.) **18.0 Amp.**

Off load current: **8 mAmp.**

Wattage: **144 Watt.**

Dimension: **168 x 87 x 50 mm.**

Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.

The converter is supplied with a unique clip mounting bracket. The converter is intended for use with the same equipment as Cargo 160306, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petro-chemical transports.

Fitting instruction included.



160389

24 -> 12 V.

Type: Switch mode non-insulated

Input voltage: **24 V. (20-32 V.)**

Output voltage: **13.8 V.**

Load

continuous: **24.0 Amp.**

intermittent (5 min.) **30.0 Amp.**

Off load current: **8 mAmp.**

Wattage: **330 Watt.**

Dimension: **168 x 87 x 50 mm.**

Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.

The converter is supplied with a unique clip mounting bracket. The converter is intended for use with high power audio installations and high frequency radio transmission or other similar equipment.

Fitting instruction included.



160391

24 -> 12 V.

Type: Switch mode insulated

Input voltage: **24 V. (20-30 V.)**

Output voltage: **13.8 V.**

Load

continuous: **6.0 Amp.**

intermittent (5 min.) **10.0 Amp.**

Off load current: **8 mAmp.**

Wattage: **75 Watt.**

Dimension: **128 x 87 x 50 mm.**

Protection against: **over current, over heat, over voltage, transients and reverse connection.**

CE-approved.

The converter is supplied with a unique clip mounting bracket. The converter is intended for use with the same equipment as Cargo 160388, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petro-chemical transports.

Fitting instruction included.



160640

24 - 12 V.

Type: Switch mode insulated

Input voltage: **24 V. (18-32 V.)**

Output voltage: **12 V. (12-13.6) V.**

Load

continuous: **50.0 Amp.**

intermittent (5 min.) **60.0 Amp.**

Off load current: **<50 mAmp.**

Wattage: **600 Watt.**

Dimension: **300 x 76 x 110 mm.**

Protection against: **over current.**

Voltage Converter



160642

12 - 24 V.

Type: Switch mode insulated

Input voltage: 12 V. (12-13.6 V.)

Output voltage: 24 V. (24-27.5) V.

Load

continuous: 3 Amp.

intermittent (5 min.) 4 Amp.

Off load current: <50 mAmp.

Wattage: 72 Watt.

Dimension: 89 x 87 x 50 mm.

Protection against: over current.



160644

12 - 24 V.

Type: Switch mode insulated

Input voltage: 12 V. (12-13.6 V.)

Output voltage: 24 V. (24-27.5) V.

Load

continuous: 7 Amp.

intermittent (5 min.) 9 Amp.

Off load current: <50 mAmp.

Wattage: 168 Watt.

Dimension: 167 x 87 x 50 mm.

Protection against: over current.



160646

12 - 24 V.

Type: Switch mode insulated

Input voltage: 12 V. (12-13.6 V.)

Output voltage: 24 V. (24-27.5) V.

Load

continuous: 10 Amp.

intermittent (5 min.) 13 Amp.

Off load current: <50 mAmp.

Wattage: 240 Watt.

Dimension: 217 x 87 x 50 mm.

Protection against: over current.

Inverters

Pure Sine Wave



160493

12 V. DC to 230 V. AC.

Output power continuous 150 Watt.

Dim.: 190 x 110 x 75 mm.

Weight: 1.8 kg.



160494

24 V. DC to 230 V. AC.

Output power continuous 250 Watt.

Dim.: 190 x 110 x 75 mm.

Weight: 2.5 kg.



160495

12 V. DC to 230 V. AC.

Output power continuous 500 Watt.

Dim.: 275 x 155 x 96 mm.

Weight: 5.1 kg.



160496

24 V. DC to 230 V. AC.

Output power continuous 700 Watt.

Dim.: 275 x 155 x 96 mm.

Weight: 6.8 kg.



160498

24 V. DC to 230 V. AC.

Output power continuous 1500 Watt.

Dim.: 385 x 260 x 182 mm.

Weight: 16 kg.

Inverters



160529

10/15 V. DC to 230 V. AC.

- Output power continuous **1300 Watt**
- Output power surge **2 sec. 2800 Watt**
30 sec. 1700 Watt
- Regulation **± 3%**
- DC input voltage **10 - 15V.**
- Low battery alarm **DC 10.5V. ± 0.5V.**
- Low battery shutdown ... **DC 10V. ± 0.5V.**
- Efficiency **over 95%**
- Input 100% load current draw .. **180Amp.**
- Over temperature protection **Yes**
- Cooling fan **Yes**
- Overload protection **Yes**
- Input short circuit protection **Yes**
- Dim.: **260 x 190 x 120 mm.**
- Weight: **6.0 kg.**



160530

12 V. DC to 230 V. AC.

- Output power continuous **2000 Watt**
- Output power surge **2 sec. 4000 Watt**
30 sec. 2500 Watt
- Regulation **± 3%**
- DC input voltage **10 - 15V.**
- Low battery alarm **DC 10.5V. ± 0.5V.**
- Low battery shutdown ... **DC 10V. ± 0.5V.**
- Efficiency **over 95%**
- Input 100% load current draw .. **250Amp.**
- Over temperature protection **Yes**
- Cooling fan **Yes**
- Overload protection **Yes**
- Input short circuit protection **Yes**
- Dim.: **350 x 190 x 120 mm.**
- Weight: **8.0 kg.**



160531

24 V. DC to 230 V. AC.

- Output power continuous **1400 Watt**
- Output power surge **2 sec. 3000 Watt**
30 sec. 1700 Watt
- Regulation **± 3%**
- DC input voltage **20 - 30V.**
- Low battery alarm **DC 21V. ± 1V.**
- Low battery shutdown **DC 20V. ± 1 V.**
- Efficiency **over 95%**
- Input 100% load current draw **90Amp.**
- Over temperature protection **Yes**
- Cooling fan **Yes**
- Overload protection **Yes**
- Input short circuit protection **Yes**
- Dim.: **260 x 190 x 120 mm.**
- Weight: **6.0 kg.**



160532

24 V. DC to 230 V. AC.

- Output power continuous **2300 Watt**
- Output power surge **2 sec. 4500 Watt**
30 sec. 2800 Watt
- Regulation **± 3%**
- DC input voltage **10 - 15V.**
- Low battery alarm **DC 21V. ± 1V.**
- Low battery shutdown **DC 20V. ± 1 V.**
- Efficiency **over 95%**
- Input 100% load current draw .. **125Amp.**
- Over temperature protection **Yes**
- Cooling fan **Yes**
- Overload protection **Yes**
- Input short circuit protection **Yes**
- Dim.: **350 x 190 x 120 mm.**
- Weight: **8.0 kg.**

Inverters

Modified Sine Wave



160541

12 V. DC to 230 V. AC.

Output power continuous **150 Watt**
 Output power surge **300 Watt**
 Regulation $\pm 10\%$
 DC input voltage **10 - 15V.**
 Low battery alarm **DC 10.5V. $\pm 0.5V.$**
 Low battery shutdown ... **DC 10V. $\pm 0.5V.$**
 Efficiency **over 90%**
 No load current draw **<1.3Amp.**
 Input 100% load current draw **<14.8Amp.**
 Output 100% load current draw **<0.649Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **No**
 Overload protection **Yes**
 Input short circuit protection **No**
 Dim.: **182 x 104 x 58 mm.**
 Weight: **0.7 kg.**



160543

12 V. DC to 230 V. AC.

Output power continuous
 Alligator clip **300 Watt**
 Cigarette plug **150 Watt**
 Output power surge **600 Watt**
 Regulation $\pm 10\%$
 DC input voltage **10 - 15V.**
 Low battery alarm **DC 10.5V. $\pm 0.5V.$**
 Low battery shutdown **DC 10V. $\pm 0.5V.$**
 Efficiency **over 90%**
 No load current draw **<0.65Amp.**
 Input 100% load current draw . **<29.5Amp.**
 Output 100% load current draw **<1.266Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **No**
 Overload protection **Yes**
 Input short circuit protection **No**
 Dim.: **232 x 104 x 58 mm.**
 Weight: **0.9 kg.**



160545

12 V. DC to 230 V. AC.

Output power continuous **600 Watt**
 Output power surge **1500 Watt**
 Regulation $\pm 10\%$
 DC input voltage **10 - 15V.**
 Low battery alarm **DC 10.5V. $\pm 0.5V.$**
 Low battery shutdown ... **DC 10V. $\pm 0.5V.$**
 Efficiency **85 - 90%**
 No load current draw **<1.35Amp.**
 Input 100% load current draw . **82.2Amp.**
 Output 100% load current draw **3.55Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **Yes**
 Overload protection **Yes**
 Input short circuit protection **Yes**
 Dim.: **393 x 242 x 80 mm.**
 Weight: **3.1 kg.**



160542

24 V. DC to 230 V. AC.

Output power continuous **150 Watt**
 Output power surge **300 Watt**
 Regulation $\pm 10\%$
 DC input voltage **20 - 30V.**
 Low battery alarm **DC 21V. $\pm 1V.$**
 Low battery shutdown **DC 20V. $\pm 1V.$**
 Efficiency **over 90%**
 No load current draw **<1.3Amp.**
 Input 100% load current draw **<14.8Amp.**
 Output 100% load current draw **<0.649Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **No**
 Overload protection **Yes**
 Input short circuit protection **No**
 Dim.: **182 x 104 x 58 mm.**
 Weight: **0.7 kg.**



160544

24 V. DC to 230 V. AC.

Output power continuous
 Alligator clip **300 Watt**
 Cigarette plug **150 Watt**
 Output power surge **600 Watt**
 Regulation $\pm 10\%$
 DC input voltage **20 - 30V.**
 Low battery alarm **DC 21V. $\pm 1V.$**
 Low battery shutdown **DC 20V. $\pm 1V.$**
 Efficiency **over 90%**
 No load current draw **<0.65Amp.**
 Input 100% load current draw . **<29.5Amp.**
 Output 100% load current draw **<1.266Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **No**
 Overload protection **Yes**
 Input short circuit protection **No**
 Dim.: **232 x 104 x 58 mm.**
 Weight: **0.9 kg.**



160546

24 V. DC to 230 V. AC.

Output power continuous **600 Watt**
 Output power surge **1500 Watt**
 Regulation $\pm 10\%$
 DC input voltage **20 - 30V.**
 Low battery alarm **DC 21V. $\pm 1V.$**
 Low battery shutdown **DC 20V. $\pm 1V.$**
 Efficiency **85 - 90%**
 No load current draw **<0.7Amp.**
 Input 100% load current draw . **41.1Amp.**
 Output 100% load current draw **1.78Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **Yes**
 Overload protection **Yes**
 Input short circuit protection **Yes**
 Dim.: **393 x 242 x 80 mm.**
 Weight: **3.1 kg.**

Inverters



160660

12 V. DC to 230 V. AC.

Output power continuous **1000 Watt**
 Output power surge **2500 Watt**
 Regulation $\pm 10\%$
 DC input voltage **10 - 15V.**
 Low battery alarm **DC 10.5V. $\pm 0.5V.$**
 Low battery shutdown ... **DC 10V. $\pm 0.5V.$**
 Efficiency **85 - 90%**
 No load current draw **<1.35Amp.**
 Input 100% load current draw . **1.35 Amp.**
 Output 100% load current draw **5.65 Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **Yes**
 Overload protection **Yes**
 Input short circuit protection **Yes**
 Dim.: **310 x 205 x 75 mm.**
 Weight: **5.0 kg.**



160569

12 V. DC to 230 V. AC.

Output power continuous **1500 Watt**
 Output power surge **3000 Watt**
 Regulation $\pm 5\%$
 DC input voltage **10 - 15V.**
 Low battery alarm **DC 10.7 V. $\pm 0.5V.$**
 Low battery shutdown .. **DC 10 V. $\pm 0.5V.$**
 Efficiency **85 - 90%**
 No load current draw **<0.6Amp.**
 Input 100% load current draw . **200 Amp.**
 Output 100% load current draw **6.85 Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **Yes**
 Overload protection **Yes**
 Input short circuit protection **Yes**
 Dim.: **430 x 240 x 77 mm.**
 Weight: **3.8 kg.**



160676

24 V. DC to 230 V. AC.

Output power continuous **1000 Watt**
 Output power surge **2500 Watt**
 Regulation $\pm 10\%$
 DC input voltage **20 - 30V.**
 Low battery alarm **DC 20V. $\pm 0.5V.$**
 Low battery shutdown ... **DC 20V. $\pm 1.0V.$**
 Efficiency **85 - 90%**
 No load current draw **<0.3Amp.**
 Input 100% load current draw ... **70 Amp.**
 Output 100% load current draw **4.85 Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **Yes**
 Overload protection **Yes**
 Input short circuit protection **Yes**
 Dim.: **310 x 205 x 75 mm.**
 Weight: **5.0 kg.**



160581

24 V. DC to 230 V. AC.

Output power continuous **1500 Watt**
 Output power surge **3000 Watt**
 Regulation $\pm 5\%$
 DC input voltage **20 - 30V.**
 Low battery alarm **DC 21.5 V. $\pm 1V.$**
 Low battery shutdown **DC 20 V. $\pm 1V.$**
 Efficiency **85 - 90%**
 No load current draw **<0.3Amp.**
 Input 100% load current draw . **100 Amp.**
 Output 100% load current draw **6.85 Amp.**
 Over temperature protection **55° \pm 5°**
 Cooling fan **Yes**
 Overload protection **Yes**
 Input short circuit protection **Yes**
 Dim.: **430 x 240 x 77 mm.**
 Weight: **3.8 kg.**

Chargers

Intelligent charger that can charge 3 batteries and offers protection against overloading. This charger will load one battery to 80 % before commencing loading 2nd and 3rd battery. When fully charged the charger switches on to monitor. Charging will recommence when necessary.



160666

12 V. 20 Amp.

Input 190-250 V.ac.
 Output power 12 V.dc. 20 Amp.
 Voltage precharging 14.4 V.
 Over temperature protection Yes
 Cooling fan Yes
 Overload protection Yes
 Input short circuit protection Yes
 Galvanic separation Double
 Protection degree IP 21
 Dim.: ... 277 (incl. term.) x 98 x 200 mm.
 Weight: 5.0 kg.



160667

12 V. 30 Amp.

Input 190-250 V.ac.
 Output power 12 V.dc. 30 Amp.
 Voltage precharging 14.4 V.
 Over temperature protection Yes
 Cooling fan Yes
 Overload protection Yes
 Input short circuit protection Yes
 Galvanic separation Double
 Protection degree IP 21
 Dim.: ... 277 (incl. term.) x 98 x 200 mm.
 Weight: 5.0 kg.



160668

24 V. 15 Amp.

Input 190-250 V.ac.
 Output power 24 V.dc. 15 Amp.
 Voltage precharging 28.8 V.
 Over temperature protection Yes
 Cooling fan Yes
 Overload protection Yes
 Input short circuit protection Yes
 Galvanic separation Double
 Protection degree IP 21
 Dim.: ... 277 (incl. term.) x 98 x 200 mm.
 Weight: 5.0 kg.



160669

24 V. 20 Amp.

Input 190-250 V.ac.
 Output power 24 V.dc. 20 Amp.
 Voltage precharging 28.8 V.
 Over temperature protection Yes
 Cooling fan Yes
 Overload protection Yes
 Input short circuit protection Yes
 Galvanic separation Double
 Protection degree IP 21
 Dim.: ... 277 (incl. term.) x 98 x 200 mm.
 Weight: 5.0 kg.



160670

This display can overview up to 4 inverters / chargers.

Can overview:

- Battery capacity.
- Failure function.
- Timer to shut on/off inverter / charger.
- Remote control.
- Status history.
- Temperature.

Fan/Heater Motors - Universal
Single Shafts

160004

Replacing Doga 161.3101.2B.09.
12 V.
Shaft 6 x 20 mm.
O.D. 61 mm. L. 74 mm.
18 Watt at 3.500 rpm.
3 fixing bolts.
Single speed.


060213

Servicing Cargo 060210.
12 V. 50 Watt.
Shaft 6.35 x16 mm. (1/4").
O.D. 70 mm. L. 63 mm.
3 hole fixing.
Two speed.


060060

24 V. 24 Watt.
Shaft 6.35 x16 mm. (1/4").
O.D. 70 mm. L. 63 mm.
3 hole fixing.
Single speed.


160005

Replacing Doga 162.4102.2B.00.
12 V.
Shaft 8 x 22 mm.
O.D. 60 mm. L. 121 mm.
40 Watt at 2.000 rpm.
Single speed.


060059

12 V. 24 Watt.
Shaft 6.35 x16 mm. (1/4").
O.D. 70 mm. L. 63 mm.
3 hole fixing.
Single speed.


160006

Replacing Doga 162.4102.3B.00.
24 V.
Shaft. 8 x 22 mm.
O.D. 60 mm. L. 121 mm.
40 Watt at 2.000 rpm.
Single speed.


060214

Servicing Cargo 060211.
24 V. 50 Watt.
Shaft 6.35 x16 mm. (1/4").
O.D. 70 mm. L. 63 mm.
3 hole fixing.
Single speed.

Cross reference list page 117

Fan/Heater Motors - Universal

Double Shafts



160250

12 V.
2 shafts 10 x 110 mm (3/8").
O.D. 90 mm. L. 105 mm.
3 speed.



160251

24 V.
2 shafts 10 x 110 mm. (3/8").
O.D. 90 mm. L. 107 mm.
3 speed.



160252

24 V.
2 shafts 8 x 65 mm. (5/16").
O.D. 82 mm. L. 102 mm.
Single speed.



160253

12 V.
2 shafts 8 x 83 mm. (5/16").
O.D. 76 mm. L. 86 mm.
3 speed.



160622

Replacing Bosch 0130 111 003.
Servicing Massey Ferguson tractors
3070.
12 V.
9.6 amp. 3100 Rpm.



160623

Replacing Bosch 0130 111 019.
12 V.



160626

Replacing Bosch 0130 063 015.
Servicing Fiat tractors.
12 V.



160625

Replacing Bosch 0130 007 308.
Servicing Fiat tractors.
12 V.



160674

Replacing Bosch 0130 007 001.
Servicing MB Trucks, Valmet tractors.
12 V.



160675

Replacing Bosch 0130 007 015.
Servicing Valmet tractors.
12 V.
Anti CW rotation.

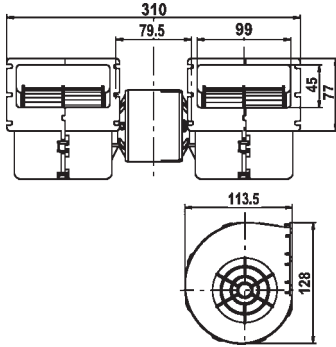
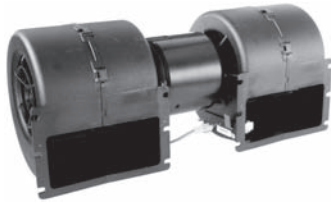


160709

Replacing 0130 111 156,
90 90 332 204.
Servicing Kangoo, Renault.
12 V.

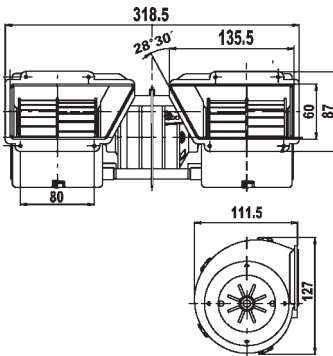
Cross reference list page 117

Miscellaneous Blowers



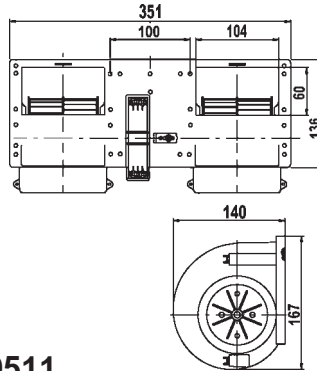
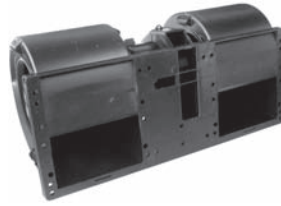
160483

Replacing Spal 008-A45-02.
Servicing Cargo 060216.
 12 V.
 3 speed.
 Air flow full speed 750 m³/H.
 w/ 0 psi static pressure.



160510

Replacing Spal 005-A45-02.
Servicing Ford, New Holland Wheel Loader Tractors. NH75, 85, 675E, LB115.
 12 V.
 3 speed.
 Air flow full speed 650 m³/H.
 w/ 0 psi static pressure.

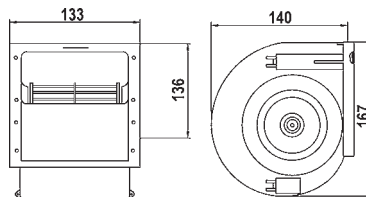
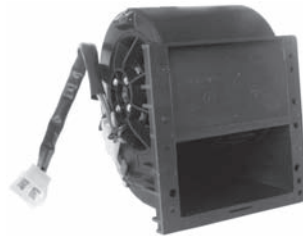


160511

Replacing Spal 006-A54-22, Valeo W962011T.
Servicing Deutz tractors.
 New Holland tractors TM, TS, TD, 40, 60 series.
 12 V.
 1 speed.
 Air flow full speed 831 m³/H.
 w/ 0 psi static pressure.

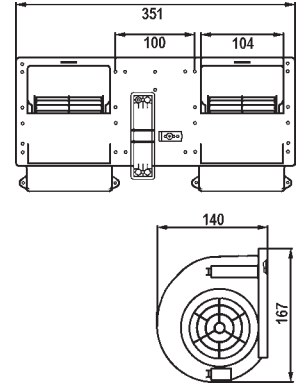
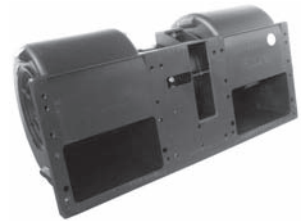
Attention

This model must be used w/ a static pressure higher than 0.1 psi.



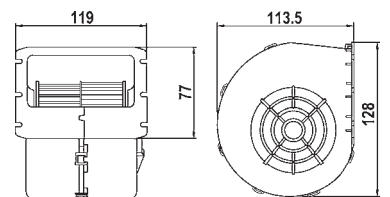
160639

Replacing Spal 006-A22-26D.
 12 V.
 3 speed.
 Air flow full speed 490 m³/H.
 w/ 0 psi static pressure.



160647

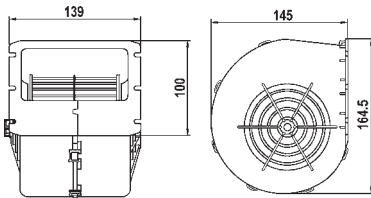
Replacing Spal 006-A46-22, Ford 9968969.
Servicing Ford / New Holland 555, 576, 655, 675, NH 95, LB 115.
 12 V.
 3 speed.
 Air flow full speed 800 m³/H.
 w/ 0 psi static pressure.



160593

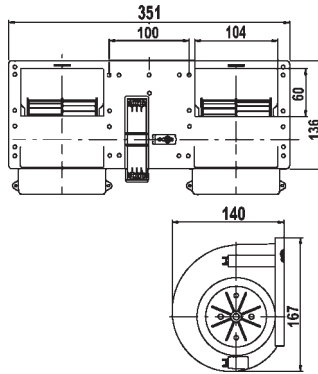
Replacing Spal 008-A37/C-24D.
 12 V.
 3 speed.
 Air flow full speed 260 m³/H.
 w/ 0 psi static pressure.

Miscellaneous Blowers



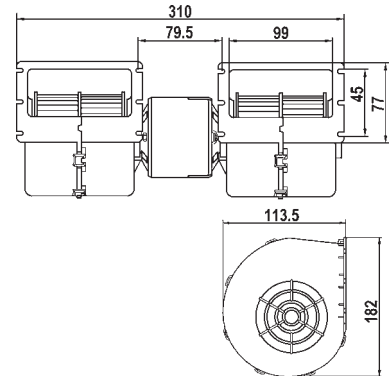
160592

Replacing Spal 009-A22-26D.
12 V.
3 speed.
Air flow full speed 530 m³/H.
w/ 0 psi static pressure.



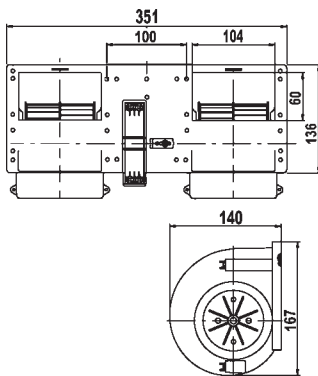
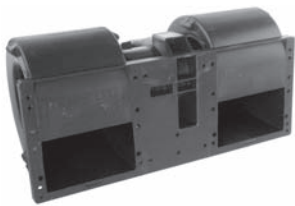
160556

Replacing Spal 006-B46-22.
24 V.
3 speed.
Air flow full speed 850 m³/H.
w/ 0 psi static pressure.



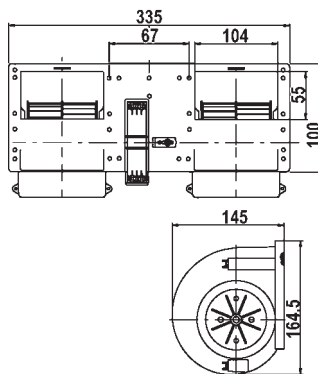
160649

Replacing Spal 008-B45-22.
Servicing Cargo 060220.
24 V.
3 speed.
Air flow full speed 750 m³/H.
w/ 0 psi static pressure.



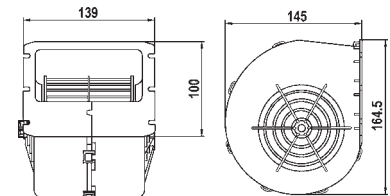
160512

Replacing Spal 006-B50-22.
24 V.
3 speed.
Air flow full speed 1160 m³/H.
w/ 0 psi static pressure.



160557

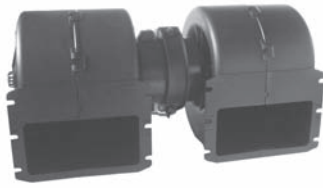
Replacing Spal 006-B40-22.
24 V.
3 speed.
Air flow full speed 750 m³/H.
w/ 0 psi static pressure.



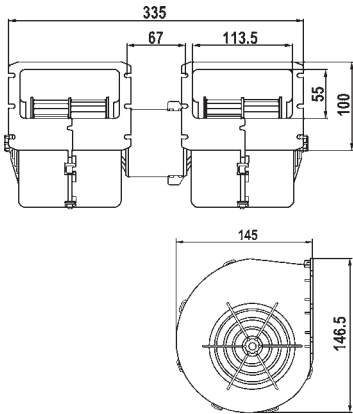
160596

Replacing Spal 006-B29-26D.
24 V.
3 speed.
Air flow full speed 530 m³/H.
w/ 0 psi static pressure.

Miscellaneous Blowers



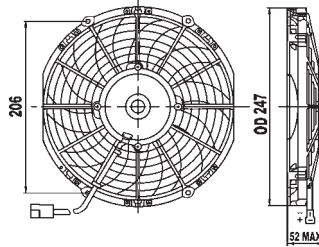
N



160594

Replacing Spal 009-B40-22.
24 V.
3 speed.
Air flow full speed 1050 m³/H.
w/ 0 psi static pressure.

Axial Motor Fans



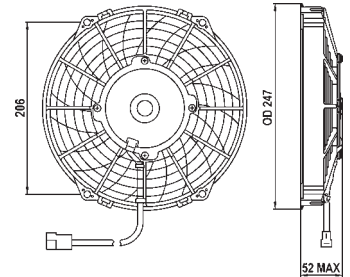
160537

Replacing Spal VA07-AP12/C58A.
12 V.
Fan O.D. 225 mm.
Air flow full speed 1200 m³/H.
Suction fan.

*(Can replace: VA07-AP7/c-31A,
VA07-AP8/c-58A, VA07-AP12/c-31A.)*



N

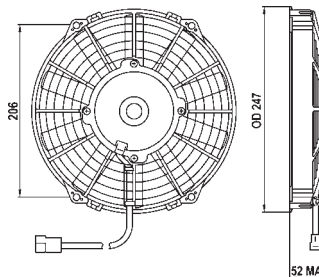


160597

Replacing Spal VA07-BP12/C58S.
24 V.
Fan O.D. 225 mm.
Air flow full speed 1220 m³/H.
Blowing fan.



N

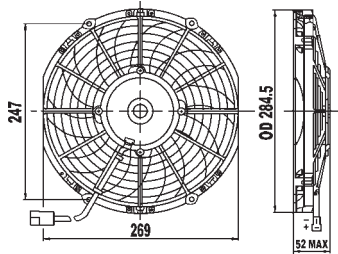


160588

Replacing Spal VA07-BP7/C31S.
24 V.
Fan O.D. 225 mm.
Air flow full speed 1060 m³/H.
Blowing fan.

Cross reference list page 117

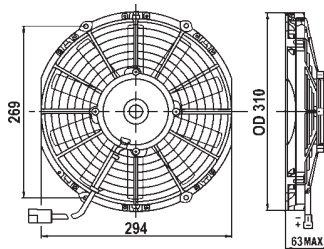
Axial Motor Fans



160539

Replacing Spal VA11-AP7/C57A.
12 V.
Fan O.D. 255 mm.
Air flow full speed 1350 m³/H.
Suction fan.

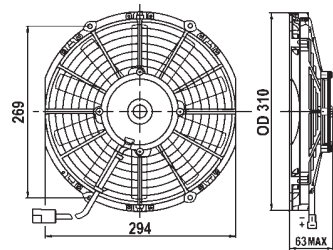
(Can replace: VA11-AP7/c-29A,
VA11-AP8/c-57A, VA11-AP8/c-29A.)



160598

Replacing Spal VA09-AP12/C27A.
12 V.
Fan O.D. 280 mm.
Air flow full speed 1630 m³/H.
Suction fan.

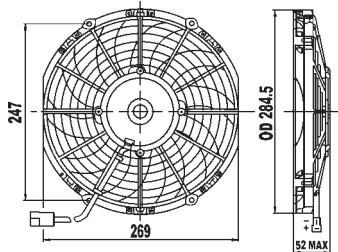
(Can replace: VA09-AP12/c-54A,
VA09-AP8/c-27A.)



160599

Replacing Spal VA09-BP12/c-54A.
24 V.
Fan O.D. 280 mm.
Air flow full speed 1600 m³/H.
Suction fan.

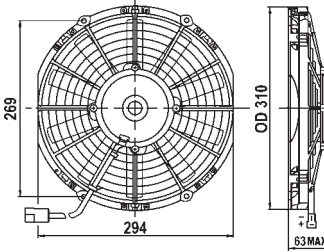
(Can replace: VA09-BP12/c-54A,
VA09-BP12/c-27A, VA09-BP8/c-27A.)



160587

Replacing Spal VA11-BP12/C-57A..
24 V.
Fan O.D. 255 mm.
Air flow full speed 1450 m³/H.
Suction fan.

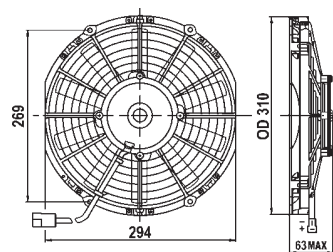
(Can replace: VA11-BP7/c-29A,
VA11-BP12/c-29A.)



160601

Replacing Spal VA09-AP12/C27S.
12 V.
Fan O.D. 280 mm.
Air flow full speed 1630 m³/H.
Blowing fan.

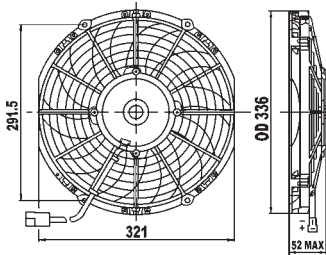
(Can replace: VA09-AP12/c-54S,
VA09-AP8/-27S.)



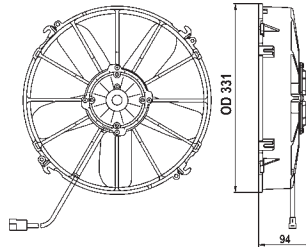
160600

Replacing Spal VA09-BP50/C27S.
24 V.
Fan O.D. 280 mm.
Air flow full speed 1600 m³/H.
Blowing fan.

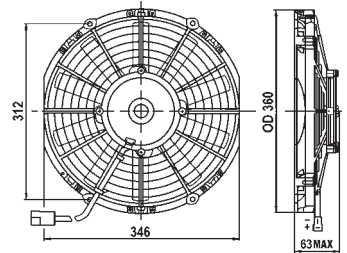
(Can replace: VA09-BP12/c-54S,
VA09-BP12/c-27S, VA09-BP8/c-27S.)

Axial Motor Fans

160538

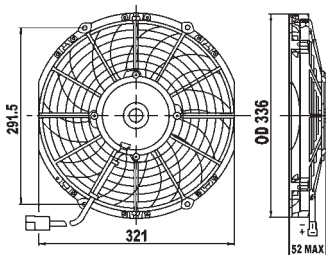
Replacing Spal VA10-AP10/C61A.
12 V.
Fan O.D. 305 mm.
Air flow full speed 1750 m³/H.
Suction fan.
(Can replace: VA10-AP9/c-25A.)


160584

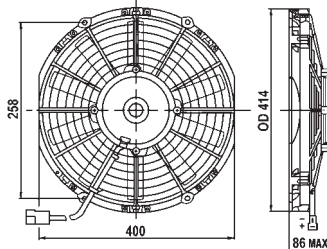
Replacing Spal VA01-BP70/LL-36A,
VA01-BP1-36A.
24 V.
Fan O.D. 305 mm.
Air flow full speed 2900 m³/H.
Suction fan.
(Can replace: VA01-BP/-43A,
VA10-BP/-61A, VA10-BP50/c-25A,
VA10-BP10/c-61A, VA10-BP9/c-25A.)


160619

Replacing Spal VA34-BP70/LL-36S.
24 V.
Fan O.D. 331 mm.
Air flow full speed 2130 m³/H.
Blowing fan.


160536

Replacing Spal VA10-AP10/C-61S.
12 V.
Fan O.D. 305 mm.
Air flow full speed 1750 m³/H.
Blowing fan.
(Can replace: VA10-AP9/c-25S.)


160595

Replacing Spal VA18-BP70/LL-41MS,
VA18-BP70-41MS.
24 V.
Fan O.D. 385 mm.
Air flow full speed 4000 m³/H.
Blowing fan.
(Can replace: VA18-BP13-42S,
VA18-BP1-41S, VA18-BP51/c-41S, VA18-
BP10/c-41S.)


160624

Replacing Bosch 0130 007 304.
12 V.
Fan O.D. 200 mm.

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Blowers



160513

Replacing 357 820 021, 893 820 021.
Servicing Audi, Seat, VW.



160514

Replacing 192 959 101.
Servicing Audi, VW.
RHD.



160515

Replacing 111 819 021 A,
1J1 819 021 A.
Servicing Audi, Seat, VW.



160620

Replacing 8D2820021.
Servicing Audi, VW.
RHD.



160621

Replacing 8A1820021.
Servicing Audi, VW.



160516

Replacing 6411 385 124, -129.
Servicing BMW.



160517

Replacing 6411 8 372 493,
6411 8 390 851.
Servicing BMW.



160518

Replacing 644195, 698046.
Servicing Citroën, Peugeot.



160519

Replacing 644174, 698194, 698285.
Servicing Peugeot.



160520

Replacing 893 819 021.
Servicing Audi, VW.



160528

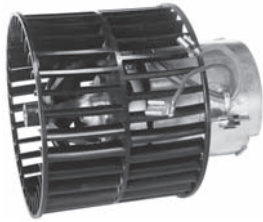
Replacing 79310.SR3.A01.
Servicing Honda.



160540

Replacing 7701040540, 7701202851.
Servicing Renault.

Blowers



160547

Replacing 1808068, 43 66 746.
Servicing Opel, Saab.



160555

Replacing 702 819 021 A.
Servicing VW.
RHD.



160562

Replacing 64 41 L0.
Servicing Peugeot.
RHD.



160550

Replacing 7 188 531.
Servicing Ford.



160559

Replacing 894 820 021.
Servicing VW.
RHD.



160564

Replacing 0028 30 15 08.
Servicing Mercedes.



160553

Replacing 7701035892.
Servicing Renault Master.
W/ A/C.



160560

Replacing 64 41 96, 95 65 84 43.
Servicing Citroën, Peugeot.
RHD.



160590

Replacing 1H1 820 021.
Servicing VW.
RHD.



160554

Replacing 701 819 012B, 357 819 021.
Servicing VW.



160561

Replacing 64 41 93, 64 41 G4.
Servicing Peugeot.
RHD.



160591

Replacing 1H1 819 021.
Servicing VW.

Applications list page 77
Cross reference list page 117

Blowers



160693

Replacing 1027753, 97BW18456AA.
Servicing Ford.
LHD.



160709

Replacing 0130 111 156,
90 90 332 204.
Servicing Kangoo, Renault.
12 V.



160694

Replacing 1027752, 1027754.
Servicing Ford.
RHD.



160631

Replacing MB 001 830 56 08.
Servicing Mercedes.



160710

Replacing 0130 111 162, 4A0 959 101A.
Servicing Audi.

Blower Resistors



160548

Replacing 1845786, 90421995.
Servicing Opel, Saab, Vauxhall.
3 speed.
4+2 terminals.



160549

Replacing 1845 789, 90383817.
Servicing Opel, Vauxhall.
4 speed.
5+2 terminals.



160565

Replacing 644178.
Servicing Citroën, Peugeot.
4 speed.
4+1+1 terminals.



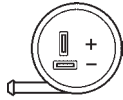
160566

Replacing 77 01 034 874, 875.
Servicing Renault.
4 speed.
4+2 terminals.

Applications list page 77
Cross reference list page 117

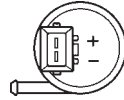
Cross reference list page 117

Windscreen Washer Motors



160197

Replacing VDO 246.075/042/001.
Servicing Audi, BMW, Ford, Mercedes, Opel, Porsche, VW.
 12 V.
 Universal.
 Fits Cargo 160186 and 160187.



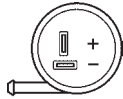
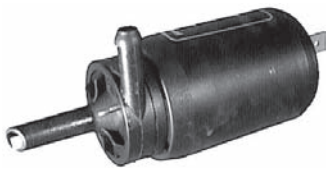
160378

12 V.
 Universal.
 As Cargo 160197, but different terminal arrangement.



160360

Servicing Cargo 160001, Rover Group, Honda.
 12 V.



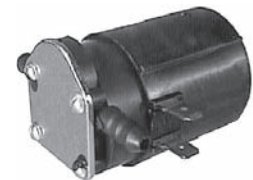
160198

Replacing VDO 246.082/003/001.
Servicing Scania,
 24 V.
 Universal.
 Fits Cargo 160188 and 160273.



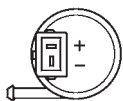
160379

12 V.
 Universal.
 As Cargo 160197, but different terminal arrangement.



160361

Replacing Original pump 115 930 290.
 on Skoda Favorit.
 12 V.



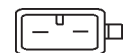
160377

12 V.
 Universal.
 As Cargo 160197, but different terminal arrangement.



160385

12 V.
 Universal.
 As Cargo 160197, but different terminal arrangement.



160677

Servicing Daewoo, Hyundai, Kia, Mazda, Mitsubishi, Toyota.
 12 V.

Cross reference list page 117

Windscreen Washer Motors



160678

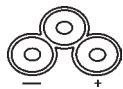
Servicing Chrysler, Daewoo, Hyundai, Jeep, Kia, Toyota.
12 V.

160681

Servicing Audi.
12 V.

160583

Servicing Mazda.
12 V.
Rear.



160679

Servicing Mercedes.
12 V.

160682

Servicing Audi.
12 V.



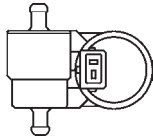
160680

Servicing BMW.
12 V.

160684

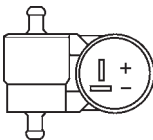
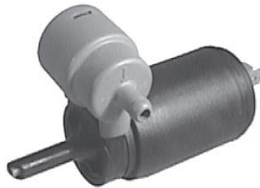
Servicing Citroën, Fiat.
12 V.

Windscreen Washer Motors



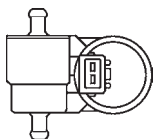
160380

12 V.
Universal dual pump.



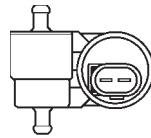
160381

Servicing Fiat, Opel, Vauxhall, VW.
12 V.
Universal dual pump.
As Cargo 160380, but
different terminal arrangement.



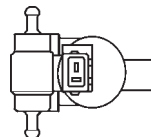
160382

12 V.
Universal dual pump.
As Cargo 160380, but
different terminal arrangement.



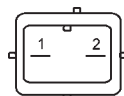
160383

12 V.
Universal dual pump.
As Cargo 160380, but
different terminal arrangement.



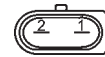
160535

Replacing Ford 87AB17K624AC,
86VB17K624AA, Hella 8TW006847-001.
Servicing Ford, Mazda.
12 Volt.
Dual pump.



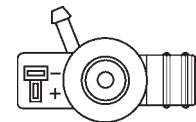
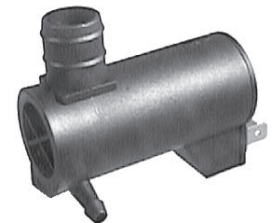
160629

Replacing 6434.60, 9612358180.
Servicing Citroën, Fiat, Peugeot.
12 V.



160683

Servicing Audi, BMW, Seat, VW.
12 V.



160386

12 V.
Universal.



160630

24 V.
Universal.
Fits Cargo 160273.

Cross reference list page 117

Windscreen Washer Motors



160223

12 V.
Universal.
36 litre/h.
For independent mounting in engine compartment.



160507

24 V.
Universal.
36 litre/h.



160332

12 V.
As Cargo 160223, but
H.D. 60 litre/h.

160289

24 V.
As Cargo 160332, but
H.D. 80 litre/h.

Windscreen Washers



160001

12 V. 1.5 litre can.
Complete w/ washer motor, jets, switch,
cable, terminals,
T-connector and pipe.

Washer motor: Cargo 160360.



160186

12 V. 1.2 litre can.
Complete w/ washer motor, jets, switch,
cable, terminals,
T-connector and pipe.

Washer motor: Cargo 160386.

160273

24 V. 1.2 litre can.
Complete w/ washer motor, jets, switch,
cable, terminals,
T-connector and pipe.

Washer motor: Cargo 160630.



160187

12 V. 3 litre can.
W/ washer motor.
W/o accessories.

Washer motor: Cargo 160360.

160188

24 V. 3 litre can.
W/ washer motor.
W/o accessories.

Washer motor: Cargo 160198.

Jets



160190 Std pkg 10
Single jet, w/ wing nut.



160192 Std pkg 10
Double jets, w/ wing nut.



160687
Single jet, w/ wing nut. Universal.
L.: 32.5 mm.



160685
Double jet, long. Universal.
L.: 52.25 mm.



160191 Std pkg 10
Single jet, snap-on fitting.



160193 Std pkg 10
Double jets, snap-on fitting.



160194 Std pkg 10
Double jets, w/ nut.



160686
Single jet. Universal.



160688
Double jet. Universal.

T-Connections



160195 Std pkg 10
W/o valve.
For 4 mm. hose I.D.



160196 Std pkg 10
W/ valve.
For 4 mm. hose I.D.



160412 Std pkg 10
W/o valve.
For 4 mm. hose I.D.



160413 Std pkg 10
W/ valve.
For 4 mm. hose I.D.

Plastic Pipes



±15° to +60° C.
Std pkg 50 mtr.

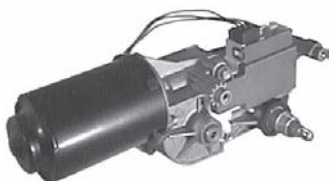
	I.D. mm.
190094	4

Wiper Motors



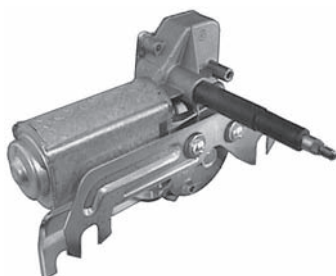
160150

Servicing Fiat 127 and Lada 2101.
12 V.



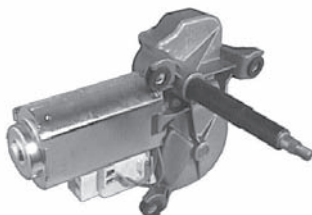
160376

Replacing Magneti Marelli 7618893,
064342601010, TGE 426A.
Servicing Fiat Uno.
12 V.



160406

Replacing Magneti Marelli 643 405 37,
TGE 405A, AK.
Servicing Fiat Uno -89.
Rear.
12 V.



160405

Replacing Magneti Marelli 643 419 01,
TGE 419A, E.
Servicing Fiat Tipo, Fiat Uno 90-.
Rear.
12 V.



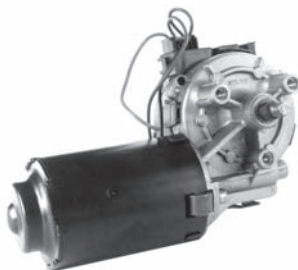
160395

Replacing Nissan 28810-G9708,
Doga 111.9001.2B.00.

Servicing Nissan Patrol 86-93.
Rear.
12 V.

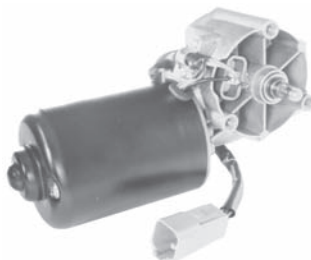
160396

As Cargo 160395, but
24 V.



160671

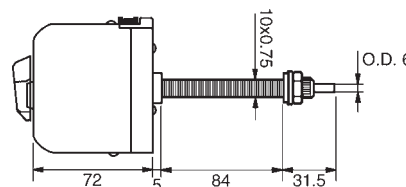
Replacing 9948873, Tge-422.
Servicing Citroën. Fiat, Peugeot.
12 V.
Front.



160704

Replacing Doga 119.9046.3B 00.
Servicing Scania 94-164, 95-04.
24 V.
AUTO stop.

Wiper Motors - Universal



160031

Replacing SWF 402227,
Doga 112.1380.2B.00.
12 V. 85°.

Fitted with an interchangeable bearing
allowing the shaft to be cut to any size.
W/ switch. No autostop.

160032

Replacing SWF 402230,
Doga 112.1380.3B.00.
24 V. 85°.

Fitted with an interchangeable bearing
allowing the shaft to be cut to any size.
W/ switch. No autostop.

160033

Replacing SWF 402229,
Doga 112.1580.2B.00.
12 V. 110°.

Fitted with an interchangeable bearing
allowing the shaft to be cut to any size.
W/ switch. No autostop.

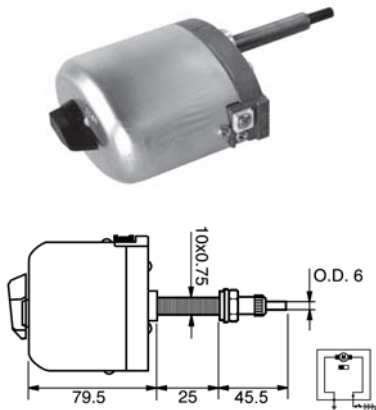
160034

Replacing SWF 402231,
Doga 112.1580.3B.00.
24 V. 110°.

Fitted with an interchangeable bearing
allowing the shaft to be cut to any size.
W/ switch. No autostop.

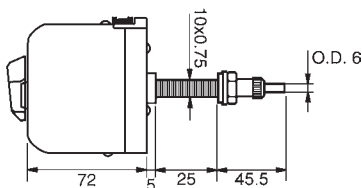
Cross reference list page 117

Wiper Motors - Universal



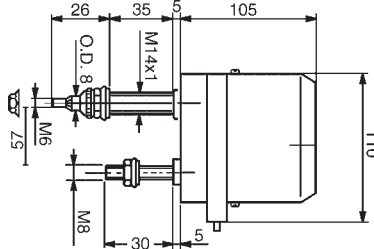
160506

Replacing Doga 112.1540.2B.00.
12 V. 110°.



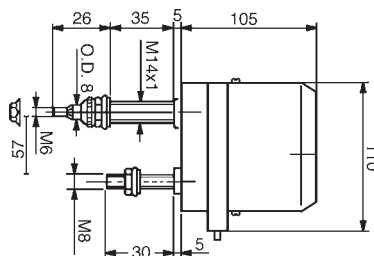
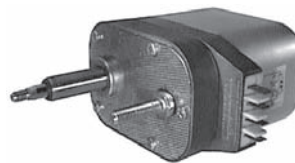
160558

Replacing Doga 112.1340.2B.04.
Rear.
12 V. 85°.
Black motor.



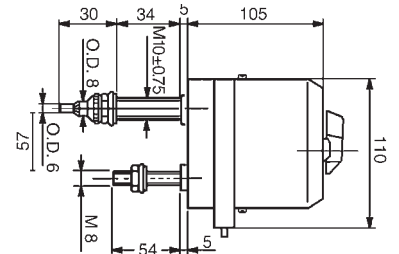
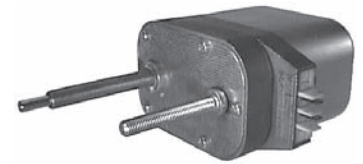
160290

Replacing Doga 113.5623.2B.10.
12 V. 95°.
W/ reciprocating shaft.
Distance between shafts 57 mm.
Automatic stop left side.
W/o switch.



160291

Replacing Doga 113.5623.3B.10.
As Cargo 160290, but
24 V.

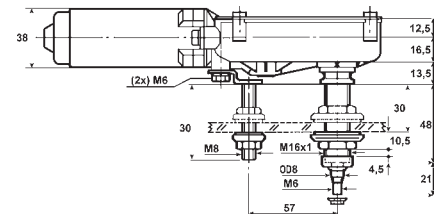
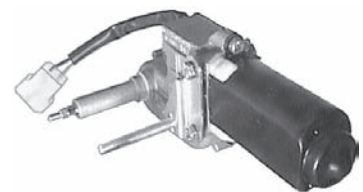


160292

Replacing Doga 113.2550.2B.00.
12 V. 110°.
W/ reciprocating shaft.
Distance between shafts 57 mm.
No autostop.
W/ switch.

160293

Replacing Doga 113.2550.3B.00
As Cargo 160292, but
24 V.



160258

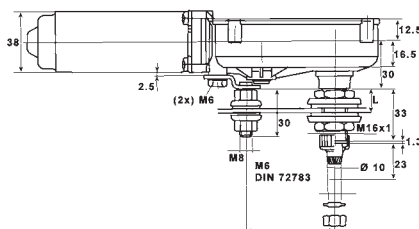
Replacing Doga 116.5565.2B.D0.E.
12 V. 95°.
W/ reciprocating shaft.
Distance between shafts 57 mm.
Automatic stop.
W/o switch.

160408

Replacing Doga 116.5565.3B.D0.E.
As Cargo 160258, but
24V.

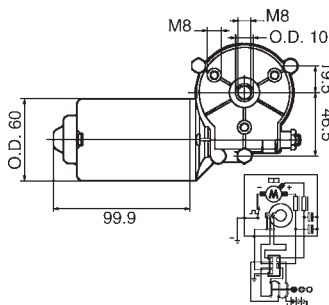
Cross reference list page 117

Wiper Motors - Universal



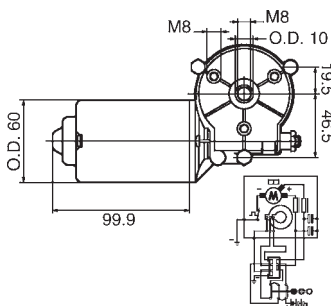
160659

Replacing Doga 116.5365.2B.10.E.
12 V. 85 °.
Distance between shafts 57 mm.
1 speed.
6 mm. cone shaft.
AUTO stop.



160503

Replacing Doga 111.3756.2B.00.
12 V.
AUTO stop.



160504

Replacing Doga 111.3756.3B.00.
24 V.
AUTO stop.

Accessories



160614

Replacing 100.5050.09.00.
Wipermotor type 111. . . .
20 x 1.0 mm.



160615

Replacing 100.5051.09.00.
Wipermotor type 111. . . .
20 x 1.0 mm. and 16 x 1.0 mm.



160616

Replacing 100.5030.09.00.
Wipermotor type 113. . . .
20 x 0.75 mm.



160617

Replacing 100.5014.09.00.
Wipermotor type 113. . . .
14 x 1.0 mm.



160618

Replacing 100.5020.09.00.
Wipermotor type 116. . . .
16 x 1.0 mm.

Cross reference list page 117

Wiper Motors - Universal

Brushes for Wiper Motors



SW126 Std pkg 10 **A**
 Replacing SWF 495 299.
 6.4 x 6.4 x 11.2 mm.

Cross reference list page 117

Wiper Blades



For Passenger Cars



Single.

- 160628** 280 mm. (11")
- 160633** 330 mm. (13")
- 160635** 350 mm. (14")
- 160638** 380 mm. (15")
- 160641** 410 mm. (16")
- 160643** 430 mm. (17")
- 160645** 450 mm. (18")
- 160648** 480 mm. (19")
- 160650** 500 mm. (20")
- 160653** 530 mm. (21")
- 160655** 550 mm. (22")
- 160661** 610 mm. (24")



Single w/ spoiler.

- 160741** 400 mm. (16")
- 160745** 450 mm. (18")
- 160748** 480 mm. (19")
- 160750** 500 mm. (20")
- 160753** 530 mm. (21")
- 160755** 550 mm. (22")
- 160761** 610 mm. (24")
- 160766** 660 mm. (26")
- 160771** 710 mm. (28")



160586

Display for wiperblades, for passenger cars.



160711

Servicing Aerospoiler.
 L.: 750 mm.

DOGA

For Passenger Cars



160147

Assortment of D-FU-blades.
 108 wiperblades in 16 types, covers almost 100% of vehicles made all over the world.

160148

Display only.



- D 38*** 380 mm. (15")
- D 40*** 400 mm. (16")
- D 47** 470 mm. (19")
- D 53** 530 mm. (21")
- D 55** 550 mm. (22")
- D 60** 600 mm. (24")
- D 70** 700 mm. (28")

* set of 2.



Set incl. 1 blade w/ spoiler and 1 standard D-blade.

- FU 45*** 450 mm. (18")
- *set of 2

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Cross reference list page 117
Adaptor list page 65

Wiper Blades



- S 2*** 1 x 500 mm. (20")
1 x 480 mm. (19")
- S 5** 1 x 558 mm. (22")
1 x 400 mm. (16")
- S 6** 1 x 600 mm. (24")
1 x 480 mm. (19")
- S 8** 1 x 480 mm. (19")

* set incl. 1 blade w/ spoiler and 1 standard D-blade.

Adaptorset for Wiper Blades



D 135

To be used together with D-FU-blades where X or Z adaptor is recommended
Set for 2 blades.

DOGA / OPTIMA



Single.

- 280** 1 x 280 mm. (11")
- 330** 1 x 330 mm. (13")
- 400** 1 x 400 mm. (16")
- 450** 1 x 450 mm. (18")
- 480** 1 x 480 mm. (19")
- 500** 1 x 500 mm. (20")
- 530** 1 x 530 mm. (21")
- 550** 1 x 550 mm. (22")
- 600** 1 x 600 mm. (24")
- 650** 1 x 650 mm. (26")
- 700** 1 x 700 mm. (28")



Single w/ spoiler.

- S530** 1 x 530 mm. (21")
- S550** 1 x 550 mm. (22")
- S600** 1 x 600 mm. (24")
- S650** 1 x 650 mm. (26")



- S4545*** 2 x 450 mm.
- S4848*** 2 x 480 mm.
- S5045*** 1 x 500 mm.
1 x 450 mm.
- S5050*** 2 x 500 mm.
- S5348*** 1 x 530 mm.
1 x 480 mm.
- S5550*** 1 x 550 mm.
1 x 500 mm.
- S5555*** 2 x 550 mm.
- S6055** 1 x 600 mm.
1 x 500 mm.

* set incl. 1 blade w/ spoiler and 1 standard blade.

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Cross reference list page 1 17
Adaptor list page 65

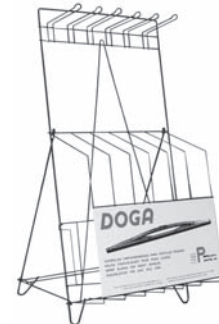
DOGA

For Trucks

= blades can be used with wiperarms Cargo 160256 , 160257, 160338, 160339, 160358, 160359, 160608, 160571, 160484 and 160485.



			Type
160321 #	400 mm.	(16")	P40
160322 #	450 mm.	(18")	P45
160323 #	500 mm.	(20")	P50.1
160324	500 mm.	(20")	P50.2
160325	600 mm.	(24")	P60.1
160326 #	600 mm.	(24")	P60.3
160327 #	650 mm.	(26")	P65.1
160370	650 mm.	(26")	P65.2
160328 #	700 mm.	(28")	P70
160411	700 mm.	(28")	P70.2
160329	800 mm.	(32")	P80
160330	1000 mm.	(40")	P100



160309

Display for wiperblades, for trucks.

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Cross reference list page 1 17
Adaptor list page 67

Wiper Blades

Universal



160019

300 mm.
For 8 x 2 / 8 x 2.5 mm. arm.



160025

360 mm.
For 8 x 2 / 8 x 2.5 mm. arm.

160026

400 mm.
For 8 x 2 / 8 x 2.5 mm. arm.



160028

330 mm.
For 8 x 2 / 8 x 2.5 mm. arm.

160035

350 mm.
For 8 x 2 / 8 x 2.5 mm. arm.



Servicing Cargo 160484, 160485, 160486 and 160487.

160488

280 mm.

160489

350 mm.

160490

400 mm.

160491

450 mm.

160492

500 mm.

Wiper Arms



160022

8 x 2 mm.
390 mm.
For 6 mm. shaft.

160023

8 x 2 mm.
420 mm.
For 6 mm. shaft.

160024

8 x 2.5 mm.
450 mm.
For 6 mm. shaft.



160486

Adjustable L. 340-420 mm.
For 8 mm. cone shaft.



160487

Adjustable L. 430-500 mm.
For 8 mm. cone shaft.

Cross reference list page 117

Wiper Arms



160338

700 mm.
2 arms for 8 mm. cone shaft.
Distance between shafts 55 mm.
Usable with wiper motor Cargo 160340 and 160345.



160257

400 mm.
1 arm for 6 mm. cone shaft.
1 arm for 8 mm. shaft.
Distance between shafts 57 mm.
Usable with wiper motor Cargo 160258, 160290, 160291, 160357 and 160408.



160571

L. 680 mm.
2 arms for 8 mm. cone shaft.
Distance between shafts 60 mm.
Replacing Doga 127.0907.GA.04.



160608

L. 680 mm.
2 arms for 8 mm. cone shaft.
Distance between shafts 110 mm.
Replacing Doga 127.1601.GA.04.

160256

450 mm.
1 arm for 6 mm. cone shaft.
1 arm for 8 mm. shaft.
Distance between shafts 57 mm.
Usable with wiper motor Cargo 160258, 160290, 160291, 160357 and 160408.



160484

Adjustable L. 340-420 mm.
8 mm. cone shafts.
Distance between shafts 57 mm.
Usable w/ wiper motor Cargo 160258 and 160480.

160358

500 mm.
1 arm for 6 mm. cone shaft.
1 arm for 8 mm. shaft.
Distance between shafts 57 mm.
Usable with wiper motor Cargo 160258, 160290, 160291, 160357 and 160408.

160485

As Cargo 160484, but
Adjustable L. 430-500 mm.

160359

550 mm.
1 arm for 6 mm. cone shaft.
1 arm for 8 mm. shaft.
Distance between shafts 57 mm.
Usable with wiper motor Cargo 160258, 160290, 160291, 160357 and 160408.

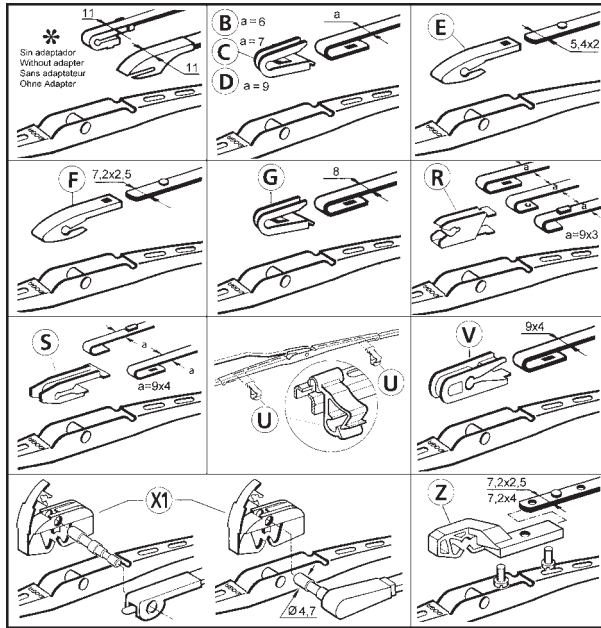
160339

400 mm.
1 arm for 6 mm. shaft.
1 arm for 8 mm. shaft.
Distance between shafts 57 mm.
Usable with wiper motor Cargo 160292 and 160293.

Adaptor List for Passenger Cars

DOGA

D + S + FU



Ref.	Length	Qty	Adaptor Part										
			11	5,4	7,2	6	7	8	9	9x4	Ø4,7	7,2	
			*	E	F	B	C	G	D	V	U	X1	Z
D 38	380 mm. (15")	2			F		C	G	D			X1	Z
D 40	400 mm. (16")	2	*		F		C	G	D			X1	Z
D 45	450 mm. (18")	2	*		F			G	D			X1	Z
(a) D 47	478 mm. (19")	1							D				
D 53	530 mm. (21")	1							D	V			
D 55	558 mm. (22")	1	*					G	D	S/V			
D 60	600 mm. (24")	1							D	S/V			
S 2	500 mm. Spoiler 480 mm.	2							D	V			
S 3	558 mm. Spoiler 500 mm.	2							D	S/V	U		
S 5	558 mm. 400 mm.	2							D				
S 6	600 mm. 480 mm.	2							D	S/V			
S 8	480 mm.	1	*					G	R	S/V	X1		
S 9	530 mm. Spoiler 480 mm.	2							D	S/V			
FU 45	450 mm. Spoiler 450 mm.	2	*					G	D				
FU 48	480 mm. Spoiler 480 mm.	2	*					G	D	V			
FU 50	500 mm. Spoiler 500 mm.	2	*					G	D	S/V			
FU 53	530 mm. Spoiler 530 mm.	2							D	V			
FU 55	558 mm. Spoiler 558 mm.	2	*						D	S/V	U		

(a) Assymetrical

Applications list page 77

Adaptor List for Passenger Cars

DOGA / OPTIMA

Ref.		* No adaptor														
			E	F	B	C	G	D	V1	T	O	U	X	Z	Kit	
280	1x180 mm (11")	*	E	F	B	C		D								135
330	1x330 mm (13")	*	E	F		C	G	D								135
400	1x400 mm (16")	*		F		C	G	D								135
450	1x450 mm (18")	*					G				O				135	
480	1x480 mm (19")	*									O					
500	1x500 mm (20")	*									O					
530	1x530 mm (21")										O					
S530	1x530 mm (21") (spoiler)										O					
550	1x558 mm (22")										O				136	
S550	1x558 mm (22") (spoiler)										O					
600	1x600 mm (24") (spoiler)										O				133 136	
S601	1x600 mm (24") (spoiler)							V1								
650	1x650 mm (26")										O				133 136	
S650	1x650 mm (26") (spoiler)										O				136	
700	1x700 mm (26")								V1	T						
4040	1x400 mm (16") 1x400 mm (16")	*		F		C	G	D								135
S4545	1x450 mm (18") (spoiler) 1x450 mm (18")	*					G				O					
S4848	1x480 mm (18") (spoiler) 1x480 mm (19")										O					
S5045	1x500 mm (20") (spoiler) 1x450 mm (18")										O					
S5050	1x500 mm (20") (spoiler) 1x500 mm (20")	*									O					
S5348	1x530 mm (21") (spoiler) 1x480 mm (19")										O					
S5550	1x558 mm (22") (spoiler) 1x500 mm (20")										O	U				
S5555	1x558 mm (22") (spoiler) 1x558 mm (22")										O	U				
6055	1x600 mm (24") 1x558 mm (22")										O					

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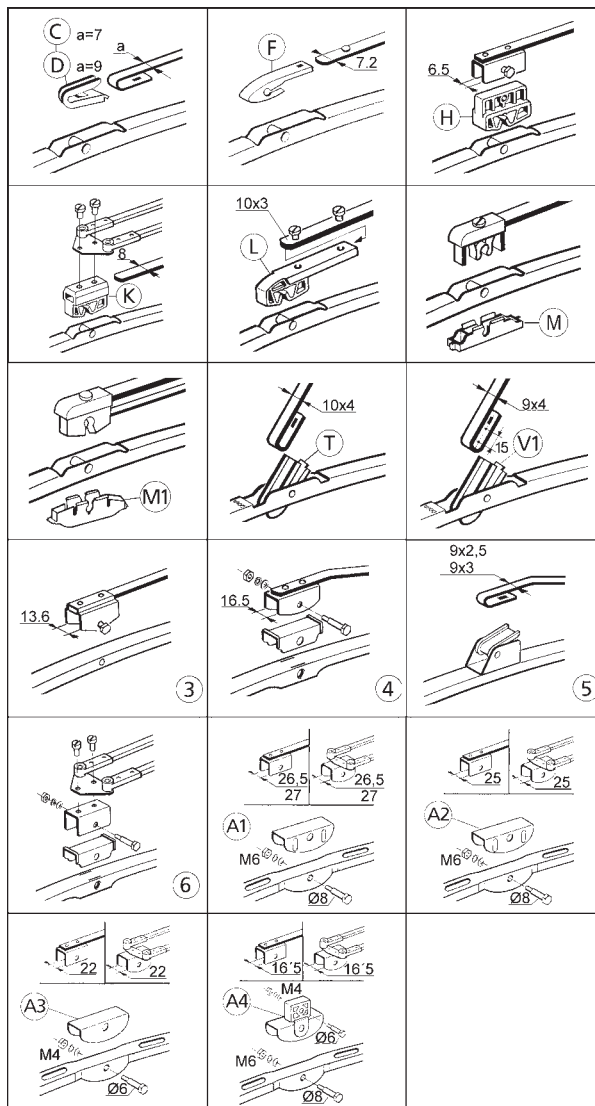
Adaptor List For Trucks

DOGA

P

Ref.	mm	mm	7.2x2.5		7x2.2		12x4		8x2.5		6.5		13.6		16.5		22		25		26.5		DOGA		10x3	
			F	C	D	S	T	V1	K	H	3	4	A4	A3	A2	A1	K	L	M	M1						
160321	400	1	F	C	D				K	H														K		
160322	450	1			D					H														K	L	
160323	500	1		C	D																			K	M	
160324	500	1												3												
160325	600	1																								
160371	600	1				5							3													
160326	600	1												4										6		
160369	600	1						T V1																		M1
160327	650	1												4										6		
160370	650	1						T V1																		
160328	700	1												4										6		
160411	700	1						T V1																		
160329	800	1													A4		A2	A1								
160330	1000	1														A3	A2	A1								

All blades of the "P" range are supplied in black finish.



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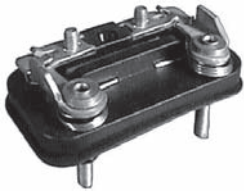
Axle Shift Motors

For Eaton



160102

Axle shift motor.
24 V. 2 Speed.



160098

Terminal block switch.

160100 Std pkg 50
Nut for terminals Cargo 160098.

Horns



O.D. 100 mm. w/ bracket.
2 terminals. 400 Hz.
E-approved.

160059

12 V.

160302

24 V.



O.D. 100 mm. w/ bracket.
2 terminals. 335 Hz.
E-approved.

160335

12 V.

160336

24 V.

160393

36-48 V.



O.D. 100 mm.
W/ bracket.
W/ K-Jetronic connection. 335 Hz.
E-approved.

160658

Replacing VW 191951113B.
12 V.



160712

Replacing 191 951 221.
Fanfare horn.
W/ K-Jetronic connection.
12 V.



160036

Twin fanfare horn, red w/ chromium
grilles,
410 - 510 Hz.
W/ relay.
12 V.
E-approved.



Electromagnetic marine and truck horns.
340 Hz.
Full stainless steel for extra corrosion
resistance.
To be used on boats not in excess
of 12 mtr.
L. 455 mm.

160415

12 V.

160414

24 V.

Horns

Air Horns for Cars



160002

Twin compressor horns, w/ parts.
850 - 700 Hz.
12 V.
E-approved.



160508

Dual tone compressor horn.
825 - 670 HZ.
24 V.

Air Horns Marine



High quality.

160634

L. 450 mm. O.D. 200 mm.
12 V.
630 Hz.
Sound level: 123 Db. at 30 cm.
In white enamel brass trumpet.
Heavy duty compressor, w/ water separator.
10 mtr. PVC hose and mounting accessories.
Meets colreg. 1972 imo class.
Regulation approvals:
Rina ELE/35398/2.
LLoyd's register MSA 9800031.



High quality.

160632

L. 500 mm.
24 V.
228 Hz.
Sound level: 111 Db. at 30 cm.
Non corrosive trumpet.
Approved for boats until 12 mtr.



160708

Marine compressor horn.
12 V.
Approved for boats until 12 mtr.

Contains:

- 1 compressor horn,
white enamel brass,
L.: 250 mm.
425 Hz.
- 1 compressor.
5 mtr. 8 mm. hose.

Marine Air Trumpets



160048

L. 352 mm.
370 Hz.
Chromium plated and stainless.
To be powered by electric air compressor.
Audibility at least 1500 mtr. over open water.
Approved for boats until 20 mtr.

160047

L. 500 mm.
228 Hz.
Chromium plated and stainless.
To be powered by electric air compressor.
Audibility at least 1500 mtr. over open water.
Approved for boats until 20 mtr.

Horns

Pneumatic Horns



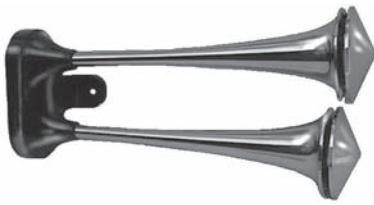
Single horn.
Operating pressure 300 - 1200 kPa.
For trucks equipped w/ on-board air.

160355

L. 600 mm.
210 Hz.
E-approved.

160356

L. 680 mm.
190 Hz.



160038

Twin horn.
Operating pressure 500 - 1200 kPa.
For trucks equipped w/ on-board air, or to be equipped with Cargo 160333 / 160334 compressor.
L. 350 mm.
392/415 Hz.
E-approved.

Accessories



190097 Std pkg 50 mtr.
±15° to +60° C.
I.D. 8 mm.



160042 Std pkg 10
Y-connector.
For hose I.D. 8 mm.



160656
L. 250 mm.
424 Hz.
In white enameled brass trompet.



160333

12 V.
For 1, 2 and 3-tone horns.

160334

As Cargo 160333, but
24 V.



160713

12 V.
Excellent w/ horns type Cargo 160047 and 160048.
Type MC-2 FALG.



160213

24 V.
Heavy Duty compressor.



160039

Electric valve for pneumatic horns.
24 V.



160041

Foot air valve for pneumatic horns.
Fittings included.

Reversing Alarms



160298

12 V.
Buzzer type, water resistant.
Sound level: 90 Db. at 1 mtr.
Suitable for light and medium trucks.

160299

As Cargo 160298, but
24 V.



160689

Dual voltage 12 / 24 V.
Waterproof.
3200 Hz.
Sound level: 85 Db. at 1 mtr.



160481

Dual voltage 12 / 24 V.
Waterproof.
Overvoltage protection.
Night silent standard.
2500 Hz.
Sound level: 96 Db. at 1 mtr.



160482

Dual voltage 12 / 24 V.
Waterproof.
Overvoltage protection.
Night silent standard.
Night silent automatic override by fog lights
for added safety.
Mounting boss to fit directly onto conduit.
900 Hz.
Sound level: 100 Db. at 1 mtr.
ADR approved.



160346

Bi-bulb.
W/ "Beep-Beep" warning sound.
12 V. 20 Watt halogen lamp, BA 15S.

160410

As Cargo 160346, but
24 V.



160534

12 V.
400 Hz. \pm 100 Hz.
Sound level: 97 Db. at 30 cm.
Consumption: 25 mA.



160533

24 V.
400 Hz. \pm 100 Hz.
Sound level: 99 Db. at 30 cm.
Consumption 21 mA.



160636

48 V.
400 Hz. \pm 100 Hz.
Sound level: 97 Db. at 30 cm.
Consumption 18 mA.

Cigarette Lighters



160294

12 V.
Universal.
W/o light.



160300

12 V.
Universal.
W/ light.



160551

24 V.
Universal.
W/ light.



160409

6-12-24 V.
Universal.
No resistance.
W/o light.
Socket only. W/ cap.



ASSORTMENTS

PART 7 4th Edition



ISO/TS 16949:2002 certified supplier

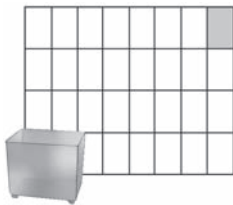
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807002 Hose Nipples	76
803005 Brushes for DC-Motors	76

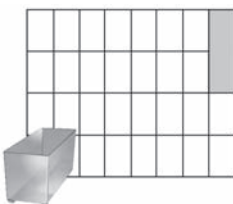
Assortment Box and Inserts


200663 Std pkg 6
 Profi Service Case, empty.
 Can be divided using inserts.
 Dim.: 340 x 265 x 57 mm.
 Polypropylene (Unbreakable).

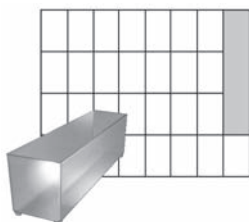
**INSERTS FOR
 ASSORTMENT BOXES
 Polypropylene
 (Unbreakable)**



200664 Std pkg 96
 Dim.: 55 x 40 x 45 mm.



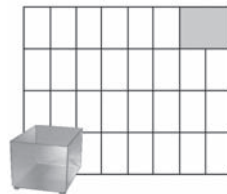
200665 Std pkg 48
 Dim.: 110 x 40 x 45 mm.



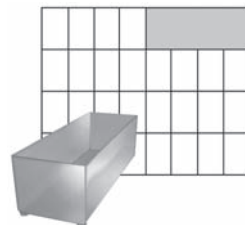
200666 Std pkg 30
 Dim.: 165 x 40 x 45 mm.



200667 Std pkg 24
 Dim.: 220 x 40 x 45 mm.



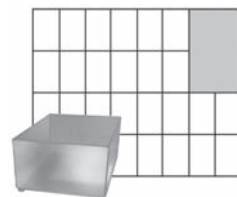
200668 Std pkg 48
 Dim.: 55 x 80 x 45 mm.



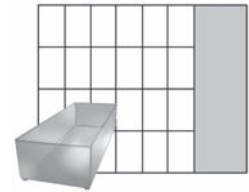
200669 Std pkg 24
 Dim.: 55 x 160 x 45 mm.



200670 Std pkg 15
 Dim.: 55 x 240 x 45 mm.



200671 Std pkg 24
 Dim.: 110 x 80 x 45 mm.



200672 Std pkg 12
 Dim.: 220 x 80 x 45 mm.



200673 Std pkg 12
 Dim.: 110 x 160 x 45 mm.



200676
 Display for 4 Profi Service Cases.
 Dim.: 330 x 360 x 200 mm.



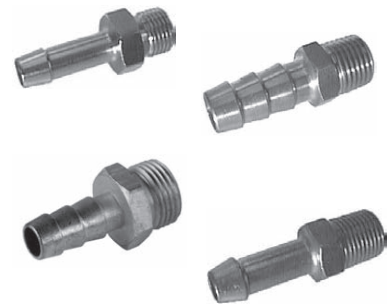
200693
 Display for 4 Profi service cases.
 Dim.: 313 x 373 x 265 mm.
 Can be assembled horizontally or vertically.

Hose Nipples

807002

	Qty.
070009 R 1/8", 6.0 mm. hose I.D.	3
070067 R 1/4", 10.0 mm. hose I.D.	3
080855 R 1/2", 10.0 mm. hose I.D.	3
070077 1/8-27 NPTF, 6.0 mm. hose I.D.	3
080955 1/8-27 NPFT, 8.0 mm. hose I.D.	3
080857 1/2"-20 UNF 8.0 mm. hose I.D.	3
080960 1/2"-20 UNF, 10.0 mm. hose I.D.	3
080954 M14-1.5, 6.0 mm. hose I.D. ...	3
080854 M14-1.5, 8.0 mm. hose I.D. ...	3

	Qty.
080959 M14-1.5, 10.0 mm. hose I.D. .	3
080858 M16-1.5, 8.0 mm. hose I.D. ...	3
070070 M16-1.5, 10.0 mm. hose I.D. .	3
080958 M18-1.5, 10.0 mm. hose I.D. .	3



Brushes for DC-Motors

803005

	Qty.
140164 8.0 x 10.0 x 19.5 mm.	10
140408 9.0 x 13.0 x 25.0 mm.	4
140410 9.0 x 20.0 x 28.0 mm.	4
H106 8.0 x 12.0 x 20.0 mm.	6
H26 6.0 x 9.0 x 16.5 mm.	10
H5-6 6.0 x 6.0 x 11.6 mm.	10
H54 5.0 x 6.3 x 10.0 mm.	10
H56 5.0 x 6.0 x 13.0 mm.	10
PL5 8.0 x 8.0 x 21.0 mm.	6
SW126 6.4 x 6.4 x 11.2 mm.	10





APPLICATIONS LIST

PART 7
4th Edition



ISO/TS 16949:2002 certified supplier

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Blowers

Audi

A3 1.6, 1.8	09.96-	160515	1.9 TD TDi	[B4] ... 09.91-12.94	160513
1.8 T	12.96-	160515	09.91-12.94	160520
1.8 T Quattro	(110 kW.) ... 12.96-	160515	.....	09.91-12.94	160514²
1.8 T Quattro	(132 kW.) ... 12.98-	160515	.....	09.91-12.94	160621
1.9 TDi	09.96-	160515	2.0	[B3] ... 10.90-08.91	160513
S 3 Quattro	03.99-	160515	.....	10.90-08.91	160520
A4 1.6, 1.8,1.8T	01.95-11.00	160621	.....	10.90-08.91	160514²
.....	01.95-11.00	160620²	.....	10.90-08.91	160559
2.4	03.97-11.00	160621	2.0 E	[B3] ... 08.88-10.90	160513
.....	03.97-11.00	160620²	.....	08.88-10.90	160520
2.6	01.95-11.00	160621	.....	08.88-10.90	160514²
2.8	09.95-11.00	160621	.....	08.88-10.90	160559
1.9TDi	01.95-11.00	160621	2.0 E 16V	[B3] ... 03.90-09.91	160513
.....	01.95-11.00	160620²	.....	03.90-09.91	160520
2.5TDi	09.97-11.00	160621	.....	03.90-09.91	160514²
.....	09.97-11.00	160620²	2.0, 2.0 E	[B4] ... 09.91-12.94	160513
Coupe 2.3	11.88-12.92	160621	.....	09.91-12.94	160520
2.3 20V	08.90-07.91	160621	.....	09.91-12.94	160514²
2.6	08.92-12.96	160621	.....	09.91-12.94	160621
2.8	09.91-12.96	160621	2.0 E 16V	[B4] ... 08.92-12.94	160513
S2	10.92-01.97	160621	.....	08.92-12.94	160520
TT 1.8 T Quattro	10.98-	160515	.....	08.92-12.94	160514²
1.8 T Cabriolet	(110 kW.) ... 01.01-	160515	S 2 Quattro	[B4] ... 02.93-12.94	160513
1.8 T Cabriolet	(132 kW.) ... 10.99-	160515	.....	02.93-12.94	160520
1.8 T Cabriolet	(165 kW.) ... 10.99-	160515	.....	02.93-12.94	160514²
80 1.6	[B3](51 kW.) ... 08.87-09.91	160513	2.3 E	[B4] ... 09.91-12.94	160513
.....	08.87-09.91	160520	.....	09.91-12.94	160520
.....	08.87-09.91	160514²	.....	09.91-12.94	160514²
.....	08.87-09.91	160559	.....	09.91-12.94	160559
1.6	[B3](55 kW.) ... 09.86-08.91	160513	2.6	[B4] ... 07.92-12.94	160621
.....	09.86-08.91	160520	.....	07.92-12.94	160513
.....	09.86-08.91	160514²	.....	07.92-12.94	160520
.....	09.86-08.91	160559	.....	07.92-12.94	160514²
1.6	[B4] ... 09.91-12.94	160513	.....	07.92-12.94	160559
.....	09.91-12.94	160520	2.6 Quattro	[B4] ... 06.92-12.94	160621
.....	09.91-12.94	160514²	.....	06.92-12.94	160513
.....	09.91-12.94	160559	.....	06.92-12.94	160520
.....	09.91-12.94	160621	.....	06.92-12.94	160514²
1.6 E	[B4] ... 06.93-12.94	160513	2.8	[B4] ... 09.91-12.94	160513
.....	06.93-12.94	160520	.....	09.91-12.94	160520
.....	06.93-12.94	160514²	.....	09.91-12.94	160514²
.....	06.93-12.94	160559	90 2.0	[B3] ... 07.88-09.91	160513
.....	09.91-12.94	160621	.....	07.88-09.91	160520
1.6 D TD	[B3] ... 09.86-08.91	160513	.....	07.88-09.91	160514²
.....	09.86-08.91	160520	.....	07.88-09.91	160559
.....	09.86-08.91	160514²	2.0 20V	[B3] ... 08.89-07.91	160513
.....	09.86-08.91	160559	.....	08.89-07.91	160520
1.8	[B3] ... 10.86-01.90	160513	.....	08.89-07.91	160514²
.....	10.86-01.90	160520	.....	08.89-07.91	160559
.....	10.86-01.90	160514²	2.2 E	[B3] ... 04.87-07.91	160513
1.8 S	[B3] ... 09.86-12.90	160513	.....	04.87-07.91	160520
.....	09.86-12.90	160520	.....	04.87-07.91	160514²
.....	09.86-12.90	160514²	.....	04.87-07.91	160559
.....	09.86-10.91	160559	2.3 E	[B3] ... 03.90-07.91	160513
1.8 S	(66 kW.)[B3] ... 09.86-10.91	160513	.....	03.90-07.91	160520
.....	09.86-10.91	160520	.....	03.90-07.91	160514²
.....	09.86-10.91	160514²	2.3 E 20V	[B3] ... 06.88-09.91	160513
1.8 S Quattro	(65 kW.)[B3] ... 09.86-07.90	160513	.....	06.88-09.91	160520
.....	09.86-07.90	160520	.....	06.88-09.91	160514²
.....	09.86-10.91	160514²	Cabriolet 1.8	[B4] ... 01.97-08.00	160513
1.8 E	[B3] ... 06.86-08.91	160513	.....	01.97-08.00	160520
.....	06.86-08.91	160520	.....	01.97-08.00	160514²
.....	06.86-08.91	160514²	1.9 TDi	[B4] ... 06.95-08.00	160513
1.9 D	[B3] ... 08.89-08.91	160513	.....	06.95-08.00	160520
.....	08.89-08.91	160520	.....	06.95-08.00	160514²
.....	08.89-08.91	160514²	2.0 E	[B4] ... 01.93-07.98	160559
.....	08.91-08.91	160559	.....	01.93-07.98	160513
			.....	01.93-07.98	160520
			.....	01.93-07.98	160514²
			.....	01.93-07.98	160559

Blowers

Audi *continued*

2.3 E	[B4]	05.91-07.94	160513
		05.91-07.94	160520
		05.91-07.94	160514 ²
		05.91-07.94	160559
2.6	[B4]	06.93-08.00	160513
		06.93-08.00	160520
		06.93-08.00	160514 ²
		06.93-08.00	160513
		11.92-08.00	160520
		11.92-08.00	160514 ²
		11.92-08.00	160559
100 2.0,2.3,2.4D2.5TDi	[4A,C4]	12.90-06.94	160710
2.6	[4A,C4]	03.92-06.94	160710
2.8		09.91-06.94	160710
A6 1.8,2.8		12.95-02.97	160710
A6 1.9TDi,2.0,2.3,2.6		06.94-02.97	160710
S2		02.93-12.95	160621
S4		09.97-11.00	160621
V8 3.6		10.88-02.94	160710
4.2		10.91-02.94	160710

2 RHD.

BMW

316 i	(E36)	09.90-02.98	160516
316 i Coupe	(E36)	09.93-04.99	160516
318 i	(E36)	12.90-02.98	160516
318 is	(E36)	03.92-04.99	160516
318 i Cabriolet	(E36)	01.94-04.99	160516
320 i	(E36)	09.90-04.99	160516
320 i Cabriolet	(E36)	12.93-04.99	160516
325 i	(E36)	09.90-04.99	160516
325 TD	(E36)	09.91-02.98	160516
325 TDs	(E36)	05.93-02.98	160516
325 i Cabriolet	(E36)	03.93-03.95	160516
M3 Cabriolet	(E36)	01.94-10.95	160516
M3	(E36)	10.92-01.95	160516
520 i	(100 kW.) (E39)	04.99-	160517
520 i	(110 kW.) (E39)	01.96-09.00	160517
523 i 528 i	(E39)	11.95-09.00	160517
530 D	(E39)	08.98-09.00	160517
535 i	(173 kW.) (E39)	04.96-03.99	160517
535 i	(180 kW.) (E39)	04.99-	160517
540 i	(E39)	04.96-	160517
M5	(E39)	10.98-	160517
520, 525 D	(E39)	02.00-	160517
525 TD	(E39)	01.97-	160517

Citroën

Berlingo 1.1 i		07.96-	160518
		07.96-	160560 ²
1.4i		07.96-	160518
		07.96-	160560 ²
1.8i		05.97-	160518
		05.97-	160560 ²
1.9D		07.96-	160518
		07.96-	160560 ²
ZX 1.4i		03.91-06.97	160518
		03.91-	160560 ²
1.6i		03.91-06.97	160518
		03.91-	160560 ²
1.8i		07.92-06.97	160518
		03.91-	160560 ²
1.9i		03.91-06.97	160518
		03.91-	160560 ²
1.9D	(47 kW.)	03.91-06.97	160518
		03.91-	160560 ²
1.9D	(50 kW.)	06.94-06.97	160518
		03.91-	160560 ²
1.9TD		07.92-06.97	160518

		03.91-	160560 ²
2.0i		07.92-06.97	160518
		03.91-	160560 ²
2.0i 16V	(110 kW.)	06.94-06.97	160518
		03.91-	160560 ²
2.0i 16V	(112 kW.)	07.92-10.94	160518
		03.91-	160560 ²
2.0i 16V	(120 kW.)	05.96-06.97	160518

2 RHD.

Ford

Mondeo 1.6, 1.8, 1.8TD, 2.0		02.93-08.96	160694 ²
		02.93-08.96	160693
2.5 24V		07.94-08.96	160694 ²
		02.93-08.96	160693
Mondeo II 1.6, 1.8, 1.8TD, 2.0		09.96-11.00	160694 ²
		09.96-11.00	160693
2.5 24V		09.96-11.00	160694 ²
		09.96-11.00	160693
2.5 ST		05.99-11.00	160694 ²
		05.99-11.00	160693
Transit		07.94-03.00	160550

Honda

Accord		00.94-00.97	160528
Civic IV. 1.3i16V Hatchback (EG) [EG3]		10.91-11.95	160528
1.4i Fastback (MA MB)	[MA8]	09.95-01.97	160528
1.5 i 16V (EG EH)	[EG8]	10.91-11.95	160528
1.5i16V Hatchback (EG)	[EG4]	10.91-11.95	160528
1.5i LSi Coupe (EJ)	[EJ2]	01.94-12.96	160528
1.5i Fastback (MA MB) VTec-E		09.94-01.97	160528
1.6 16V Vtec (EG EH)	[EH9]	10.91-11.95	160528
1.6 VTi (EG EH)	[EG9]	10.91-11.95	160528
1.6i Coupe (EJ)	[EJ6]	11.95-	160528
1.6i Coupe (EJ)	[EJ1]	01.94-12.96	160528
1.6i Coupe VTec		01.94-11.95	160528
1.6i Fastback (MA MB)	[MB1]	09.94-01.97	160528
1.6i Fastback (MA MB) VTec	[MB]	09.94-01.97	160528
1.6 16V Hatchback (EG) VTec	[EG]	10.91-11.95	160528
1.6 16V Hatchback (EG) VTi	[EG6]	10.91-11.95	160528
Civic V. 1.4i (EJ9 EK1-3-4)		11.95-02.01	160528
1.4i Hatchback (EJ9 EK1-3-4) [EJ9]		11.95-02.01	160528
1.4 16V Fastback (MB)	[MB2]	01.97-02.01	160528
1.4i 16V Aerodeck (MC)	[MB8]	04.98-02.01	160528
1.5i (EJ9 EK3-4)	[EK3]	11.95-02.01	160528
1.5i Hatchback (EJ9 EK1-3-4) [EK3]		11.95-02.01	160528
1.5 16V Fastback (MB)	[MB3]	01.97-02.01	160528
1.5 16V Aerodeck (MC)	[MB9]	04.98-02.01	160528
1.6i Hatchback (EJ9 EK1-3-4) [EK1]		11.95-02.01	160528
1.6 VTi (EJ9 EK1-3-4)	[EK4]	11.95-02.01	160528
1.6i (EJ9 EK3-4) VTec		11.95-02.01	160528
1.6i (EJ9 EK3-4) VTi	[EK4]	11.95-02.01	160528
1.6 16V Fastback (MB)	[MB4]	01.97-02.01	160528
1.6 16V VTi (MB)		01.97-02.01	160528
1.6 16V Aerodeck (MC)	[MC1]	04.98-02.01	160528
1.8 16V Fastback (MB)	[MB6]	01.97-02.01	160528
1.8 16V Aerodeck (MC)	[MC2]	04.98-02.01	160528
2.0 TD Fastback (MB)	[MB7]	01.97-02.01	160528
2.0 D Aerodeck (MC)	[MC3]	04.98-02.01	160528
CR-V		00.97-00.99	160528
Prelude		00.92-00.96	160528

Isuzu

Oasis		00.96-00.99	160528
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Blowers

Mercedes

Vito	02-96-	160564
Sprinter 208,212,	02.95-04.00	160631
214	02.95-	160631
312	02.95-04.00	160631
408,412,414	02.96-	160631

Opel

Astra F 1.4 i	09.91-01.99	160547
1.4 i 16V	02.96-09.98	160547
1.4 Si	03.92-09.98	160547
1.4 i 16V Cabriolet	01.96-03.01	160547
1.4 Si Cabriolet	05.93-03.01	160547
1.6 i	10.91-09.98	160547
1.6 Si	05.92-12.94	160547
1.6 i 16V	08.94-09.98	160547
1.6 i Cabriolet	03.93-03.01	160547
1.7 D	03.92-01.99	160547
1.7 TD	11.94-01.99	160547
1.7 TDS	03.92-09.98	160547
1.8 i	03.92-09.98	160547
1.8 i 16V	06.93-09.98	160547
1.8 i 16V Cabriolet	11.94-03.01	160547
2.0 i	09.91-09.98	160547
2.0 16V	02.95-09.98	160547
2.0 GSi 16V	09.91-01.98	160547
2.0 i Cabriolet	03.93-10.94	160547
Calibra 2.0 i	06.90-07.97	160547
2.0 i 16V	02.94-07.97	160547
2.0 i 16V Turbo 4X4	03.92-07.97	160547
2.5 V6	04.93-07.97	160547
Vectra 1.6 i	09.93-11.95	160547
1.6 i Cat	09.88-11.95	160547
1.7 D	07.92-11.95	160547
1.7 TD	03.90-11.95	160547
1.8 i Cat	03.90-11.95	160547
2.0 i 16V	01.89-11.95	160547
2.0 i 16V 4X4	02.90-11.95	160547
2.0 i 16V Turbo 4X4	06.94-11.95	160547
2.5 V6	02.93-11.95	160547

Peugeot

306 1.1	06.94-	160518
.....	06.94-	160560²
1.4 SL	06.94-	160518
1.6 SR	06.94-	160560²
.....	06.94-10.00	160518
.....	06.94-	160560²
1.8 ST	06.94-	160518
.....	06.94-	160560²
1.8 16V	03.97-	160518
.....	03.97-	160560²
1.9 D	03.98-	160518
.....	03.98-	160560²
1.9 SLD	06.94-	160518
.....	06.94-	160560²
1.9 SRDT	06.94-	160518
.....	06.94-	160560²
2.0 ST	07.94-	160518
.....	07.94-	160560²
2.0	03.97-	160518
.....	03.97-	160560²
2.0 S16	06.94-	160518
.....	06.94-	160560²
306 1.8 Cabriolet	03.94-	160518
.....	03.94-	160560²
1.8 16V Cabriolet	07.00-	160518
.....	07.00-	160560²
2.0, 2.0 16V Cabriolet	03.94-	160518

405 I 1.6	(53 kW.) ...	07.87-12.92	160519
1.6	(55 kW.) ...	07.87-06.88	160519
1.6	(65 kW.) ...	07.87-12.92	160519
1.6	(66 kW.) ...	10.89-12.92	160519
1.6	(69 kW.) ...	01.87-12.92	160519
1.8 TD		03.88-12.92	160519
1.9, 1.9i	(70 kW.) ...	07.87-12.92	160519
1.9 1.9 4X4	(80, 88 kW.) ...	07.88-12.92	160519
1.9	(93 kW.) ...	07.87-12.93	160519
1.9 MI-16	(108 kW.) ...	04.88-12.92	160519
1.9 MI-16	(116 kW.) ...	07.87-11.91	160519
1.9 D	(47 kW.) ...	07.88-09.92	160519
1.9 D	(51 kW.) ...	03.88-12.92	160519
405 II 1.4		08.92-10.95	160519
.....		07.92-	160561²
1.6		08.92-10.95	160519
.....		07.92-	160561²
1.8		08.92-10.95	160519
.....		07.92-	160561²
1.9D	(47 kW.) ...	08.92-10.95	160519
.....		07.92-	160561²
1.9D	(50 kW.) ...	06.94-10.95	160519
.....		07.92-	160561²
1.9TD		08.92-10.95	160519
.....		07.92-	160561²
2.0		08.92-10.95	160519
.....		07.92-	160561²
2.0 16V		06.94-10.95	160519
.....		07.92-	160561²
2.0 MI-16		08.92-10.95	160519
.....		07.92-	160561²
2.0 T16 4X4		08.92-10.95	160519
.....		07.92-	160561²
406 1.6		11.95-	160519
.....		10.95-04.99	160561²
.....		04.99-	160562²
1.8		05.97-	160519
.....		10.95-04.99	160561²
.....		04.99	160562²
1.8 16V		11.95-10.00	160519
.....		10.95-04.99	160561²
.....		04.99-	160562²
1.9 TD		01.96-	160519
.....		10.95-04.99	160561²
.....		04.99-	160562²
2.0		11.95-	160519
.....		10.95-04.99	160561²
.....		04.99-	160562²
2.0 Turbo		04.96-	160519
.....		10.95-04.99	160561²
.....		04.99-	160562²
3.0 24V		10.96-	160519
.....		10.95-04.99	160561²
.....		04.99-	160562²
2.1TD 12V		01.96-	160519
.....		10.95-04.99	160561²
.....		04.99-	160562²
505 1.8		09.83-10.85	160519
Partner 1.1, 1.4		07.96-	160518
1.8		05.97-	160518
1.8, 1.9D		06.96-	160518

2 RHD.

Blowers

Renault

19 I 1.4, 1.7	(B/C53) ...01.89-04.92	160540
1.8 16V	(B/C53) ...06.89-04.92	160540
1.9 D	(B/C53) ...09.88-04.92	160540
1.7 Cabriolet	(D53) ...07.91-04.92	160540
1.8 16V Cabriolet	(D53) ...07.91-04.92	160540
1.4	(L53) ...04.89-12.89	160540
1.4 Kat	(L53) ...10.89-04.92	160540
1.7, 1.8 16V	(L53) ...10.89-04.92	160540
1.9 D	(L53) ...10.89-04.92	160540
19 II 1.4, 1.7	(B/C53) ...04.92-12.95	160540
1.8, 1.8 16V	(B/C53) ...04.92-12.95	160540
1.9 D,TD	(B/C53) ...04.92-12.95	160540
Clio I 1.2	(B/C57) ...01.96-09.98	160540
1.2	(B/C57R) ...01.91-01.96	160540
1.2, 1.4	(B/C57A-T) ...01.91-09.98	160540
1.8	(B/C57C) ...01.91-09.98	160540
1.8	(B/C578) ...08.94-09.98	160540
1.8 Rsi	(B/C57H) ...08.95-09.98	160540
1.8 Rsi	(B/C579) ...01.93-08.95	160540
1.8 16V	(C57D) ...08.91-06.94	160540
Williams	(B/C57M) ...01.94-09.98	160540
1.9 D	(B/C/S576) ...01.97-09.98	160540
Kangoo		160709
Master		160553
Megane 1.4 Eco	(BA0T) ...01.96-03.99	160540
1.4e	(BA0E-V) ...01.96-	160540
1.4 16V	(BA0D-BA1H) ...03.99-	160540
1.6e/i	(BA0L BA0FBA0F) ...01.96-03.99	160540
1.6 16V	(BA11) ...03.99-	160540
2.0i	(BA0G) ...01.96-	160540
2.0i		160540
2.0 16V	(BA0H) ...07.96-	160540
1.9 D Eco dT		160540
1.9 TDi		160540
1.9 dTi	(BA08 BA0N) ...03.97-02.01	160540
1.4 16V Cabriolet	(EA0D) ...03.99-	160540
1.6 e Cabriolet	(EA0F) ...10.96-03.99	160540
2.0 16V Cabriolet	(IDE) ...11.99-	160540
Safrane I 2.2		160553
3.0 V6		160553
2.1 TD		160553
2.5 TD		160553
Safrane II 2.0 16V		160553
2.5 20V		160553
2.2 TD		160553
Scenic 1.4 16V	(JA0D JA1H JAoW) ...09.99-	160540
		160563²
1.6 16V	(JA0B JA04 JA11) ...09.99-	160540
		160563²
2.0 16V RX4		160540
		160563²
2.0 16V	(JA1B JA1D) ...07.00-	160540
		160563²
2.0 16V IDE		160540
		160563²
1.9 dTi	(JA0N) ...09.99-	160540
		160563²
1.9 dCi RX4		160540

2 RHD.

Saab

900 I 2.0-16	01.89-12.93	160547
2.0 S Turbo 16	07.91-12.93	160547
2.0 Turbo 16	11.85-12.93	160547
2.0 Turbo 16 S Cat	01.89-12.93	160547
2.1 -16	08.90-12.93	160547
2.0 -16 Cabriolet	01.90-06.94	160547
2.0 S Turbo 16 Cabriolet	09.91-06.94	160547
2.0 Turbo 16/S Cabriolet	11.86-06.94	160547

2.1-16	08.90-06.94	160547
900 II 2.0 i	07.93-02.98	160547
2.0 16 Turbo	07.93-02.98	160547
2.3 -16	07.93-02.98	160547
2.5 24 V6	07.93-02.98	160547
2.0 i/16 Turbo Cabriolet	12.93-02.98	160547
2.3 -16 Cabriolet	12.93-02.98	160547
2.5 24 V6 Cabriolet	12.93-02.98	160547

Seat

Arosa 1.0,1.4	05.97-	160590²
1.4 16V,14 TDi	01.00-	160590²
1.7 SDi	08.97-	160590²
Cordoba 1.0	09.96-06.99	160590²
1.4i, 1.4 16V	06.94-06.99	160590²
1.6i	02.93-06.99	160590²
1.8i,1.8i 16V	02.93-06.99	160590²
1.9D,SDi	01.96-06.99	160590²
1.9 TD,TDi	02.93-06.99	160590²
2.0i,2.0i 16V	02.93-06.99	160590²
Ibiza II 1.0, 1.0i,1.3i,1.4i,1.4i 16V	03.93-08.99	160590²
1.6i,1.8i	03.93-08.99	160590²
1.8i 16V	11.93-08.99	160590²
1.9D, SDi	04.93-08.99	160590²
1.9TD,1.9TDi	03.93-08.99	160590²
2.0i, 2.0i16V	03.93-08.99	160590²
Ibiza III 1.6	08.99-02.02	160590²
Inca 1.4i, 1.4 16V	11.95-	160590²
1.6i	11.95-05.98	160590²
1.7D	09.96-	160590²
1.9D,SDi	11.95-	160590²
Toledo I 1.6 i	05.91-03.99	160513
1.8 i	(65 kW.) ...05.91-12.96	160513
1.8 i	(66 kW.) ...11.93-12.96	160513
1.8 16V	05.91-03.99	160513
1.9 D, SDi	12.95-03.99	160513
1.9 TD	05.91-03.99	160513
1.9 TDi	(66 kW.) ...08.95-03.99	160513
1.9 TDi	(81 kW.) ...11.96-03.99	160513
2.0 i	05.91-12.96	160513
2.0 i 16V	11.93-03.99	160513
Toledo II 1.4 16V	07.99-	160515
1.6	04.99-09.00	160515
1.8 20V	04.99-	160515
1.9 TDi	04.99-	160515
2.3 V5	04.99-05.01	160515

Skoda

Octavia 1.4	(44 kW.) ...04.99-	160515
1.4	(55 kW.) ...09.00-	160515
1.6	(55 kW.) ...09.96-09.00	160515
1.6	(74 kW.) ...02.97-	160515
1.8	09.96-	160515
1.8 T	08.97-	160515
1.8 T RS 20V	05.01-	160515
1.9 SDi	(47 kW.) ...09.96-	160515
1.9 SDi	(50 kW.) ...06.97-	160515
1.9 TDi	(66 kW.) ...09.96-	160515
1.9 TDi	(81 kW.) ...08.97-	160515
1.9 TDi 4X4	11.99-	160515
2.0	04.99-	160515

Vauxhall

Astra		
1.4i	09.91-09.98	160547
1.4i 16V	02.96-09.98	160547
1.4S	09.91-02.98	160547
1.6i	05.92-09.98	160547
1.6Si	03.91-12.94	160547
1.6i 16V	08.94-09.98	160547
1.7 D	03.92-09.98	160547

Blowers

1.7 TD	12.91-09.98	160547	1.8	(66 kW.) ... 08.84-10.91	160513
1.8i	03.92-09.98	160547		08.84-10.91	160514 ²
1.8i 16V	06.93-12.96	160547		08.84-10.91	160559
2.0i	03.92-09.98	160547	1.8 i Cat	08.87-10.91	160513
2.0i 16V	02.95-09.98	160547		08.87-10.91	160514 ²
1.4i Cabriolet	05.93-03.01	160547	1.8 Syncro	02.86-07.91	160513
1.4i 16V Cabriolet	01.96-03.01	160547		02.86-07.91	160514 ²
1.6i Cabriolet	03.93-03.01	160547		08.85-10.87	160513
1.8 16V Cabriolet	11.94-03.01	160547		08.84-10.91	160559
2.0i Cabriolet	03.93-10.94	160547	1.8 GTI	(79 kW.) ... 08.85-10.87	160514 ²
Calibra 2.0i, 2.0i16V	06.90-07.97	160547		08.83-12.89	160513
2.0i 4X4	06.90-07.97	160547		08.85-10.87	160559
2.0i 16V 4X4	06.90-07.97	160547	1.8 16V	(95 kW.) ... 02.86-10.91	160513
2.0i Turbo16 4X4	03.92-07.97	160547		02.86-10.91	160514 ²
2.5i V6	04.93-07.97	160547	1.8 GTI	(82 kW.) ... 08.83-12.89	160513
Cavalier 1.4 S	09.88-11.95	160547		08.83-12.89	160514 ²
1.6i	09.88-11.95	160547	1.8 16V	(102 kW.) ... 02.86-06.90	160513
1.7D	07.92-11.95	160547		02.86-06.90	160514 ²
1.7TD	09.88-11.95	160547		02.86-06.90	160559
1.8i Cat	03.90-11.95	160547	1.8 GTI G60	04.90-07.91	160513
2.0 16V	09.88-11.95	160547		04.90-07.91	160514 ²
2.0i Turbo 4X4	06.92-11.94	160547		04.90-07.91	160559
2.0 SRi 16V	09.93-11.95	160547	1.8 GTI G60 Syncro	08.88-07.91	160513
2.5 V6	02.93-11.95	160547		08.88-07.91	160514 ²
VW			Golf III 1.4, 1.6, 1.8	10.91-08.97	160590 ²
Bora 1.4 16V	03.00-	160515		10.91-08.97	160591
1.6	10.98-	160515	2.0	11.91-08.97	160590 ²
1.6 16V	05.00-	160515		11.91-08.97	160591
1.8	10.98-	160515	2.0 GTI 16V	08.92-08.97	160590 ²
1.8 4Motion	02.99-	160515	2.8 VR6	01.92-08.97	160590 ²
1.8 T	05.00-	160515		01.92-08.97	160590
1.9 SDi	10.98-	160515	Cabriolet	07.93-05.98	160590 ²
1.9 TDi	10.98-	160515		06.98-	160590 ²
2.0	10.98-	160515		06.98-	160591
2.0 4Motion	04.00-	160515	1.9D, TD, GTD	11.91-08.97	160590 ²
2.3 V5	10.98-10.00	160515		11.91-08.97	160591
2.8 V6 4Motion	03.99-	160515	1.9 SDi, TDi	09.93-08.97	160590 ²
Caravelle T4	07.90-	160554		09.93-08.97	160591
	07.90-	160555 ²	Golf IV 1.4 16V	08.97-	160515
Caddy II 1.4	08.00-	160590 ²	1.6	08.97-	160591
1.9D, SDi	11.95-	160590 ²		08.97-02.00	160515
1.9 TDi	09.96-	160590	1.6 16V	02.00-	160515
Corrado 1.8 16V	04.89-07.92	160513	1.8	08.97-	160515
1.8 G60	09.88-09.93	160513		08.97-	160591
2.0 i	04.93-12.95	160513	1.8 4Motion	05.98-	160515
2.0 i 16V	08.91-12.95	160513		05.98-	160591
2.9 VR6	08.91-12.95	160513	1.8 T	(110 kW.) ... 08.97-	160515
Golf II 1.0	11.83-08.85	160513		08.97-	160591
	11.83-08.85	160514 ²	1.8 T	(132 kW.) ... 08.01-	160515
1.3	08.83-06.87	160513	2.0	07.98-	160515
	08.83-06.87	160514 ²	2.3 V5	08.97-	160515
	08.83-06.87	160559		08.97-10.00	160591
1.3 Cat	06.86-12.92	160513	1.9 SDi	08.97-	160515
	06.86-12.92	160514 ²		08.97-	160591
1.6	(51 kW.) ... 10.86-12.92	160513	1.9 TDi	(66 kW.) ... 08.97-06.01	160515
	10.86-12.92	160514 ²		04.98-06.01	160591
	08.83-08.91	160559	1.9 TDi	(74 kW.) ... 09.00-	160515
1.6	(53 kW.) ... 02.86-10.91	160513		08.97-06.01	160591
	02.86-10.91	160514 ²	Jetta II 1.3	01.84-06.87	160513
	02.86-10.91	160559	1.3 Cat	06.87-12.91	160513
1.6 D TD	(40, 44, 51 kW.) ... 08.83-10.91	160513	1.6	(51 kW.) ... 10.86-10.91	160513
	08.83-10.91	160514 ²	1.6	(53 kW.) ... 03.86-10.91	160513
	08.83-10.91	160559	1.6	(55 kW.) ... 01.84-08.91	160513
1.6 TD	(59 kW.) ... 04.89-10.91	160513	1.8	(62 kW.) ... 08.86-01.90	160513
	04.89-10.91	160514 ²	1.8	(66 kW.) ... 08.84-10.91	160513
	04.89-10.91	160559	1.8 Syncro	08.87-07.91	160513
1.8	(62 kW.) ... 08.86-01.90	160513	1.6 D TD	01.84-10.91	160513
	08.86-01.90	160514 ²	Lupo 1.0	04.98-	160515
			1.2 TDi 3L	07.99-	160515
			1.4 16V	(55 kW.) ... 04.98-	160515

Blowers

VW *continued*

1.4 16V	(74 kW.)	08.99-	160515
1.4 FSi	(77 kW.)	02.01-	160515
1.4 TDi		01.99-	160515
1.6 GTi		09.00-	160515
1.7 SDi		04.98-	160515
New Beetle 1.4		11.01-	160515
1.6	(74 kW.)	10.99-09.00	160515
1.6	(75 kW.)	09.00	160515
1.8 T		10.99-	160515
1.9 TDi	(66 kW.)	01.98-02.01	160515
1.9 TDi	(74 kW.)	02.01-	160515
2.0		01.98-	160515
2.3 V5		10.00-	160515
3.2 RSi		04.00-	160515
Passat 1.6	(53 kW.)	02.88-09.91	160513
1.6	(55 kW.)	02.88-12.88	160513
1.6	(74 kW.)	10.94-08.96	160513
		10.96-11.00	160621
		10.96-11.00	160620²
1.6 TD		08.88-09.93	160513
		08.88-09.93	160520
1.8	(55 kW.)	08.90-08.96	160513
1.8	(66 kW.)	02.88-08.96	160513
1.8	(79 kW.)	04.88-07.93	160513
1.8	(82 kW.)	04.88-07.90	160513
		10.96-11.00	160621
		10.96-11.00	160620²
1.8 16V		04.88-12.89	160513
1.8 G60 Syncro		08.88-08.96	160513
1.9 D		05.89-10.93	160513
		05.89-10.93	160520
1.9 TD		03.91-08.96	160513
		03.91-08.96	160520
1.9 TDi	(66 kW.)	10.93-08.96	160513
1.9 TDi	(81 kW.)	03.96-08.96	160520
		10.96-11.00	160621
		10.96-11.00	160620²
2.5 TDi		09.97-09.01	160620²
2.0	(79 kW.)	03.95-08.96	160513
	(79 kW.)	03.95-08.96	160520
2.0	(85 kW.)	02.90-08.96	160513
	(85 kW.)	02.90-08.96	160520
2.0 Syncro		10.90-08.96	160513
		10.90-08.96	160520
2.0 16V		01.94-08.96	160520
2.0 16V GT		08.88-09.93	160513
		08.88-09.93	160520
2.3 VR5		10.96-11.00	160621
		10.96-11.00	160620²
2.8 VR6		08.88-09.93	160513
		08.88-09.93	160520
		10.96-11.00	160621
		10.96-11.00	160620²
Polo 1.0, 1.3, 1.6 [6N1]		10.94-09.96	160590²
		10.94-09.96	160591
1.4 [6N1]		08.95-10.99	160590²
		07.95-10.99	160591
1.0 1.4 [6N2]		10.99-	160515
		10.99-09.01	160590²
1.4 1.6 16V [6N2]		10.99-09.01	160515
		10.99-09.01	160590²
1.6 16V GTi [6N2]		10.99-09.01	160590²
1.4 TDi [6N2]		10.99-09.01	160515
		10.99-09.01	160590²
1.7 SDi [6N1,6N2]		08.97-09.01	160590²
		08.97-09.01	160515
		08.97-10.99	160591
1.9D, SDi [6N1,6N2]		10.94-09.01	160590²
		10.94-09.01	160515
		10.94-10.99	160591

Transporter IV.1.9 D	07.90-	160513
	07.90-	160554
	07.90-	160555²
1.9 TD	10.92-	160513
	10.92-	160554
	10.92-	160555²
2.0	07.90-	160513
	07.90-	160554
	07.90-	160555²
2.5	11.90-	160513
	11.90-	160554
	11.90-	160555²
2.5 Syncro	10.92-	160513
	10.92-	160554
	10.92-	160555²
2.4 D	07.90-	160513
	07.90-	160554
	07.90-	160555²
2.5 TDi	09.95-	160513
	09.95-	160554
	09.95-	160555²
Vento 1.4, 1.6, 1.8,	10.94-09.98	160590²
1.4, 1.6	10.94-09.98	160591
1.8	11.91-09.98	160591
2.0	11.91-09.98	160590²
	11.91-09.98	160591
2.8 VR6	01.92-09.98	160590²
	01.92-09.98	160591
1.9 D, TD	11.91-09.98	160590²
	11.91-09.98	160591
1.9 SDi	04.97-09.98	160590²
	04.97-09.98	160591
1.9 TDi	09.93-09.98	160590²
	09.93-09.98	160591

2 RHD.

Also see Cross Reference List page 117

Fuel Injection Pumps 12 V.

BMW

316i	[E30]	09.87-12.88	070140
316i	[E36]	09.90-12.98	070142
316i Coupe	[E36]	09.93-12.99	070142
316i Compact	[E36]	03.94-09.00	070142
318i	[E21]	08.78-12.83	070060 ³
	[E30]	09.83-04.94	070140
	[E36]	12.90-12.98	070142
318i Cabriolet	[E36]	01.94-12.99	070142
318ti Compact	[E36]	10.94-09.00	070142
318is	[E30]	09.89-08.91	070140
	[E36]	03.93-02.98	070142
318is Coupe	[E36]	03.92-09.96	070142
320i	[E21]	10.75-12.83	070065 ³
	[E21]	10.75-08.77	070060 ³
	[E30]	09.82-04.94	070140
	[E30]	09.82-06.91	070085
	[E36]	09.90-02.98	070142
320i Cabriolet	[E36]	03.93-12.99	070142
320 Coupe	[E36]	03.92-12.98	070142
323i	[E21]	10.75-12.83	070065 ³
	[E21]	01.78-08.82	070060 ³
	[E30]	09.82-04.94	070053 ³
	[E30]	09.83-08.86	070085
323i 2.5	[E36]	03.95-02.98	070142
323 Coupe/Cabriolet	[E36]	03.95-04.99	070142
325i	[E30]	01.83-04.94	070140
	[E36]	09.90-12.95	070142
325i Coupe	[E36]	03.92-04.99	070142
Cabriolet	[E36]	03.93-12.95	070142
328i	[E36]	01.95-02.98	070142
M 3 Evolution	[E30]	07.86-04.94	070140
518i	[E28]	10.81-12.87	070053 ³
	[E34]	09.89-12.95	070074
518i	[E34]	08.89-09.95	070140
Touring	[E34]	03.93-12.95	070074 ³
520i	[E12]	09.72-07.81	070065 ³
	[E12]	08.76-08.82	070060 ³
	[E28]	06.81-12.87	070053 ³
	[E34]	01.88-12.95	070074 ³
520i 24V	[E34]	10.91-09.95	070140
Touring	[E34]	11.91-12.95	070074 ³
525i	[E28]	06.81-12.87	070053 ³
	[E34]	01.88-12.95	070074 ³
Touring	[E34]	11.91-12.95	070074 ³
525i 24V	[E34]	09.89-09.95	070140
527i	[E28]	05.83-12.87	070053 ³
528i	[E12]	04.77-07.81	070053 ³
	[E28]	06.81-12.87	070053 ³
530i	[E34]	01.88-12.95	070074 ³
Touring	[E34]	09.92-12.95	070074 ³
535i	[E28]	09.84-12.87	070053 ³
	[E34]	01.88-12.95	070074 ³
M3 Evo III	[E30]	12.89-04.90	070140
M 5 3.4i	[E28]	09.84-12.87	070053 ³
3.5i	[E34]	10.88-12.95	070074 ³
535i	[E34]	08.87-07.92	070074 ³
538i Touring	[E34]	07.92-12.95	070074 ³
540i	[E34]	09.92-12.95	070074 ³
628 CSi	[E24]	09.79-04.89	070053 ³
633 CSi	[E24]	09.76-04.89	070140
635 CSi	[E24]	06.78-04.89	070053 ³
635 CSi (191 kW.)	[E24]	10.86-10.88	070140
635 CSi (211 kW.)	[E24]	03.84-05.89	070140
728i	[E23]	07.78-06.86	070053 ³
730i	[E32]	09.86-06.94	070074 ³
732i	[E23]	09.79-06.86	070053 ³
733i	[E23]	05.77-08.79	070053 ³
735i	[E23]	09.79-06.86	070053 ³
	[E32]	09.86-06.94	070074 ³
740iL	[E32]	03.92-06.94	070074 ³

745i	[E23]	04.80-06.86	070053 ³
Turbo	[E23]	04.80-08.86	070053 ³
Z 1		07.88-06.91	070140

³ Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.
⁴ With plastic tank.

Chrysler

Acclaim 2.5 (Turbo) J		00.89-00.90	070119
3.0 V6 3		00.88-00.90	070119
Avenger 2.0 Y		00.95-00.98	070089
2.5 V6 H		00.95-00.98	070089
Fift Avenue 3.3 V6 R		00.90-	070119
Imperial 3.3 V6 202R		00.90-	070119
Le Baron (Turbo) C		00.90-	070119
2.5 (Turbo) J		00.89-00.90	070119
3.0 V6 181-3		00.90-	070119
New Yorker 3.0 V6 3		00.90-	070119
3.3 V6 R		00.90-	070119
Sebring 2.0 Y		00.95-00.98	070089
2.5 V6 H		00.95-00.98	070089
Sundance 2.5 (Turbo) J		00.89-00.90	070119
TC-Maserati 2.2 (Turbo)		00.88-00.90	070119
3.0 V6 3		00.90-	070119
Voyager 2.5 (Turbo) J		00.89-	070119
3.0 V6 3		00.87-00.90	070119
3.3 V6 R		00.90-	070119

³ Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Citroën

AX 1.1i	[HDZ,HDY]	10.89-	070126
1.4i	[KDY,KDZ]	06.88-	070126
Berlingo 1.1i	[HFX]	06.00-	070163 ⁶
1.4i	[KFX]	07.96-	070163 ⁶
1.4i	[KFW]	06.00-	070163 ⁶
1.4		06.96-00.99	070138 ³
1.6i 16V	[NFU]	06.00-	070163 ⁶
1.8		06.96-00.99	070138
2.0 HDi	[RHY]	12.99-	070168 ⁶
BX 1.4i	[KDY,KDZ]	09.88-	070126 ³
1.6i	[BAY,BAZ,180Z]	07.86-10.89	070053 ³
	[B6D,B6E]	09.87-	070053 ³
1.9i	[DFZ,D6A]	03.86-	070053 ³
	[DKZ,D6D]	06.88-	070053 ³
1.9i 16 S	[DFW,D6C]	06.87-	070053 ³
C5 1.8i 16V	[6FZ]	03.01-	070167 ⁶
	[6FZ]	03.01	070197
2.0i 16V	[RFN]	03.01-	070167 ⁶
3.0i	[XFX]	03.01-	070167 ⁶
	[XFX]	03.01-	070197
CX 2.3i		07.82-06.84	070053 ³
2.4i	[M23-622]	06.77-06.84	070053 ³
2.5i	[M25-668,-659]	07.83-12.92	070053 ³
2.5i Turbo	[M25-662,-666]	06.84-12.92	070053 ³
2.5i Turbo 2	[M25-667]	09.86-12.92	070054 ³
Evasion, jumpy 1.8		00.96-	070113
2.0		00.94-	070113
Saxo 1.1i	[HFX]	03.00-	070163 ⁶
1.4i	[KFW]	06.00-	070163 ⁶
Visa 1.6 GTi		01.85-12.87	070053 ³
1.6i	[180A,B6D]	01.85-03.91	070053 ³
XM 2.0i	[RDZ]	05.89-06.94	070126
3.0i	[S6A]	00.89-00.93	070139
Xantia			070166 ⁶
Xsara/Picasso 1.6i	[NFZ,NFV]	01.00-	070163 ⁶
1.8i	[6FZ]	01.00-	070163 ⁶
2.0i	[RFM]	03.01-	070163 ⁶
2.0 HDi	[RHZ]	09.00-	070168 ⁶
2.0 HDi	[RHZ]	09.00-	070196
2.0HDi With additional heating		09.00-	070180 ⁶

Fuel Injection Pumps 12 V.

Zx 1.1i	Bo[HDZ]	00.91-00.94	070126
1.1i	Bo[HDY]	00.94-00.96	070126
1.4i	Bo[KDY KDX]	00.91-00.92	070126
1.4i	[KFX]	00.96-	070139
1.6i	Bo[BDY B4A]	00.91-00.94	070126
1.6i	[BFZ NFZ]	00.93-	070139
1.8i	[LFZ L6A]	00.92-	070139
1.9i	[D6E DKZ DFY]	00.91-	070139
2.0i	[RFX R6D]	00.92-	070139
2.0i 16V	[RFY RFT]	00.92-	070139

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.
6 Marwal module.

Dacia

1000-Serie 1.6		02.97-	070126
Nova 1.6		05.96-	070126

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Daihatsu

Applause I 1.6 16V		06.89-07.97	070089
Charade IV 1.3		09.96-	070089
Charade IV 1.3 16V		01.93-	070133

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Daewoo

Espero			070091
1.5, 1.5, 16V		00.93-	070094
1.8, 2.0		00.93-	070094
Express			070094
Le Mans 1.5, 1.5, 16V		00.93-	070094
2.0		00.93-	070094
Nexia 1.5, 16V		00.95-00.96	070094
Royal Salon 2.0i		01.88-12.89	0700533

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Daimler

Sovereign 2.9		10.86-08.90	0700593
3.6		10.86-08-89	0700593

De Lorean

DMC - 12 2.8		10.80-10.82	0700653
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Dodge

Caravan 2.5 (Turbo) 153 J		00.89-	070119
3.0 V6 3		00.87-00.90	070119
3.3 V6 R		00.90-	070119
Daytona 2.2 (Turbo) A, E		00.89-	070119
2.5 (Turbo) J, C		00.89-00.90	070119
3.0 V6 181-3		00.90-	070119
Dinasty 3.0 V6		00.88-00.90	070119
3.3 V6		00.88-00.90	070119
Ram Van 2.5 (Turbo)		00.87-00.90	070119
3.0 V6 MPI		00.87-00.90	070119
Ram 50 Pickup 2.4		00.91-00.93	070089
3.0 V6		00.91-	070089
Stealth 3.0 V6		00.91-00.96	070089
Shadow 2.2 (Turbo) A		00.89-	070119
2.5 (Turbo) J		00.89-00.90	070119
Spirit 2.5 (Turbo) J		00.89-00.90	070119
3.0 V6 3		00.88-00.90	070119

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Ferrari

Mondial 8		05.80-09.83	0700643
Quattrovalvole		06.82-06.85	0700613
208 Turbo		06.82-10.89	0700613
308 GTBi, GTSi		07.81-06.85	0700643
400i		05.79-03.85	0700643

Fiat

Argenta 120 2.0 ie		06.83-11.85	0700533
2000 2.0 ie		06.81-05.83	0700533
Barchetta 1.8 16V		00.95-	070113
Brava 95 1.4i		10.95-10.98	070126
2.0		06.79-12.80	0700533
Brava 1.2 16V		00.98-	070113
1.8i 16V		00.95-	070113
Bravo 1.4i		10.95-10.98	070126
1.6, 1.8 16V		00.95-00.98	070113
Cinquecento 1.1i Sporting		00.92-	070113
Coupe 1.8 16V		00.95-02.96	070113
1.8i 16V		03.96-09.96	070133
2.0i 16V		04.94-09.96	070133
2.0i 20V		10.96-	070133
Elba 1.6i.e.		12.95-	070133
Marea 1.4i		10.96-02.99	070126
2.0i 20V		10.96-	070133
1.6, 1.8 16V		00.96-00.99	070113
Multipla 1.6, 16V Bip		00.99-	070113
Palio 1.2, 1.5, 1.6		00.96-	070113
Panda 1.0i		01.86-04.92	070126
1.0i		00.95-	070126
1.0i 4x4		00.87-00.91	070126
1.1i		07.90-12.92	070126
Panda Maquillage			070113
Selecta 1.1i		00.90-00.94	070126
1.1i		00.95-	070126
Punto 1,2 75 MPI IAW		00.93-00.98	070113
1,2 16V 85 MPI IAW		00.97-	070113
1.4 GT Turbo		00.93-00.95	070124
Regata 75 1.5 ie		10.85-04.87	0700533
		05.87-06.90	070126
Ritmo 75 1.5 ie		10.85-10.87	0700533
		05.87-12.88	070126
90 1.6 ie		05.87-12.87	070126
125 2.0 TC Abarth		07.85-09.88	0700533
130 2.0 TC Abarth		04.83-12.87	0700533
Tempra 1.4i		03.92-12.96	070126
1.6i		06.90-12.96	070126
1.8, 2.0		00.90-00.96	070113
Tipo 1.4i		05.89-10.95	070126
1.6i		03.90-10.95	070126
1.6i.e.		12.95-	070133
1.8i			070113
2.0i			070113
Ulysse 1,8		00.96-	070113
2.0		00.94-	070113
Uno 45 1.0i		10.87-03.94	070126
1.1i		09.89-03.94	070126
1.3 Turbo ie		04.85-03.91	0700543
1.4 Turbo ie		09.89-12.93	0700543
70 1.4i		09.89-03.94	070126
75 1.5i		10.85-08.87	0700543
		09.87-03.94	070126
1.6i MPI		08.94-	070133
X1/9 1.5		09.79-12.88	0700533
124 Sport Spider 2.0 ie		06.79-04.85	0700533
132 2.0i		09.79-05.81	0700533
2000 2.0 ie		10.79-04.85	0700533

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Fuel Injection Pumps 12 V.

Ford

Aerostar 2.3 MPI [2 pcs.]	00.86-00.87	070111
	00.86-00.87	070066 ⁴
3.0 MPI [2 pcs.]	00.86-00.87	070111
	00.86-00.87	070066 ⁴
3.0 MPI	00.88-00.96	070111
4.0 MPI	00.90-00.96	070111
Bronco 4.9 MPI	00.86-00.89	070066 ⁴
5.0 MPI	00.84-00.89	070066 ⁴
5.8 MPI	00.86-00.89	070066 ⁴
Bronco II 2.3 MPI	00.86-00.88	070066 ⁴
2.9 MPI	00.86-00.88	070066 ⁴
Capri III 2.8i	01.81-04.87	070061 ³
Courier 1.3i	08.97-	070133
Escort 1.3, 1.4 SEFi	00.95-	070139
1.6i, XR3i	02.82-12.85	070061 ³
1.6 RS Turbo	01.86-07.90	070061 ³
1.6i EFi	00.90-00.92	070111
1.6 EFi 16V	00.92-00.94	070139
1.6, 1.8 16V SEFi	00.95-	070139
1.6 (AAL,ABL)	10.98-07.00	070089
1.6 16V (ANL)	02.99-07.00	070089
1.6, 1.8 XR3i 16V	00.95-	070139
1.6,1.8 16V (GAL,AAL,ABL)	01.95-10.98	070089
1.6,1.8 16V (GAL,AFL)	01.95-02.99	070089
1.8 16V	00.92-00.94	070118
2.0 RS	00.91-00.92	070118
RS 2.0 16V SEFi	00.95-	070139
2.0 SW	00.97-	070139
2.0i ZX2	00.97-	070139
Fiesta 1.0i	05.96-	070133
1.1i	00.93-00.95	070139
1.3i	05.96-	070133
1.6 XR2i	00.89-00.92	070111
1.6 S	00.89-00.91	070111
1.6 (Turbo)	00.90-00.92	070118
Focus 1.4i 16V	10.98-	070089
1.4, 1.6 16V SEFi	00.98-	070139
1.8, 2.0 16V SEFi	00.98-	070139
Galaxy 2.0i	[NSE] ... 11.95-03.00	070081
2.0i	[NSE] ... 11.95-03.00	070171
2.3	[Y5B] ... 01.97-	070081
2.3 16V	[Y5B,E5SA] ... 01.97-	070171
2.8 V6	[AAA] ... 11.95-04.00	070081
2.8i V6	[AAA] ... 11.95-04.00	070171
Granada 2.0i	04.85-02.92	070055 ³
2.4i	09.86-12.94	070055 ³
2.8i	10.76-08.77	070065 ³
2.8i Turnier (78/82)	08.77-08.85	070061 ³
2.8i V6	04.85-08.87	070055 ³
2.8i V6	[ALY] ... 04.00-	070171
2.9i	09.86-12.94	070055 ³
Ka 1.0i	03.97-	070133
1.3i	03.97-	070133
1.3i	09.96-	070089
Mondeo 1.8 2.0 16V	00.93-00.96	070118
1.6 16V	00.93-00.96	070111
1.6, 1.8, 2.0 16V	00.96-	070139
Orion 1.6i	09.83-03.86	070061 ³
1.6i EFi	00.90-00.92	070111
1.6i (86)	01.86-07.90	070061 ³
1.8 16V	00.92-00.93	070118
Puma 1.4 16V	00.98-	070139
1.4 16V	11.97-	070089
1.7 16V	00.97-	070139
Scorpio 2.0i	04.85-02.92	070055 ³
2.0 V6	00.92-00.96	070089
2.9 V6	00.92-00.96	070089
2.9 V6 24V	00.92-00.96	070089
2.4i	09.86-02.92	070055 ³
2.8i, XR4i, 4x4i	04.85-11.86	070055 ³

2.9i, 24V	04.91-02.92	070055 ³
Sierra 2.0i, Turnier	03.85-02.93	070055 ³
1.8i EFi	00.92-00.93	070111
2.0i	00.89-00.93	070118
2.0 RS Cosworth	11.87-02.93	070061 ³
2.8i XR4, Turnier	08.82-08.88	070061 ³
2.9i, XR4, Turnier	01.87-02.93	070055 ³

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.
4 Pre feed pump (for 2 pump system).

FSO

Polonez 1.6 Atu	00.96-	070126
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3 In-Tank pump.

Honda

Accord 2.2i 16V (CB7)	01.90-03.93	070089
2.2i ES	09.93-02.98	070089
2.2	00.94-00.97	070088
2.7	00.95-00.97	070088
Civic 1.5	00.88-00.91	070099
	00.92-00.95	070087
1.6	00.88-00.91	070099
	00.92-	070087
1.5 VTEC	00.92-00.95	070133
1.5i 16V	00.91-00.95	070089
1.6i 16V	00.91-00.95	070089
1.6 VTEC	00.92-00.99	070133
1.6i Coupe 16V	00.94-00.97	070089
CR-V I 2.0 16V (RD,RD1,RD3)	10.95-00.99	070133
2.0 16V (RD,RD1,RD3)	01.99-	070089
CR-V 2.0	00.97-00.98	070088
	00.97-00.99	070089
Integra 1.8 16V VTEC	00.94-00.99	070133
Legend 3.2 24V	00.93-00.96	070089
Odyssey 2.2i 16V	00.94-00.96	070089
2.3	00.98-	070133
Passport 2.6	00.94-00.97	070093
3.2	00.94-00.97	070089
Prelude 2.2	00.97-00.99	070133

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Hyundai

Accent 1.5 8V, 12V, 16V	00.94-00.99	070089
Elantra 1.6	00.92-00.95	070089
1.8	00.93-00.99	070089
Excel 1.5	00.90-00.93	070090
	00.93-00.94	070091
S coupe 1.5	00.91-00.93	070090
	00.93-00.94	070091
1.5i	00.90-00.95	070094
1.5 (Turbo)	00.91-00.95	070094
1.8 16V	00.97-00.99	070089
2.0 16V	00.97-04.02	070089
Sonata 2.0	00.93-00.98	070089
3.0	00.93-00.98	070089
Tiburon 1.8	00.97-	070089
2.0	00.97-	070089

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Innocenti

Elba 1.4ie	00.93-00.97	070126
1.5ie	00.92-00.93	070126
1.6ie	00.93-00.97	070126

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Fuel Injection Pumps 12 V.

Isuzu

Amigo 2.6	00.89-00.95	070093
Impulse 1.6	00.91-00.92	070092
1.8	00.90-00.92	070089
Nor.Cab 2.6	00.90-	070093
Oasis 2.2, 2.3	00.96-00.97	070089
Pick-Up 2.3	00.94-00.95	070093
2.6	00.90-00.95	070093
Rodeo 2.6	00.94-00.95	070093
3.2 V6	00.95-00.97	070089
Stylus 1.6	00.91-00.93	070092
1.8	00.91-00.93	070092
Trooper 2.6	00.88-00.91	070093
Trooper II 3.2, 3.5 V6	00.92-00.99	070089

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Jaguar

XJ 5 5.3	05.79-12-83	070053³
XJ 6, S, SC 2.9, 3.6	10.86-08.90	070059³
XJ 6 4.0	09.89-09.94	070059³
4.2	05.77-10.86	070053³
XJ 12, S, 5.3	07.81-09.94	070053³

Kia

Beka		070094
Capital 1.5, 1.8	00.90-00.95	070094
Capito		070094
Clarus 1.8i	10.95-	070133
1.8, 2.0	00.96-00.98	070094
2.0i	06.95-	070133
Concord		070094
Potentia 2.0i	02.94-	070131
Sportage 2.0i	07.93-	070131

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Lada

Samara	00.93-	070089
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3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Lancia

Beta HPE, Trevi, Coupe 2,0i.e.	05.80-12.84	070053³
Dedra 1.6i	08.89-10.94	070126
1.6 SPI	00.89-00.94	070126
1.8	00.94-00.95	070113
1.8 16V	00.96-	070113
2.0 16V	00.94-	070113
Delta 1.4i	01.93-00.96	070126
1.5i	12.85-10.87	070053³
1.6 ie	00.86-00.92	070113
1.6i	01.93-	070126
1.6 SPI	00.93-00.96	070126
1.6 HF Turbo	06.83-04.86	070053³
1.6 16V	00.96-	070113
1.8	00.95-	070113
Gamma Berlina Coupe 2,5ie.	06.80-12.84	070053³
Kappa 2.0i 20V	11.94-06.98	070133
2.4i 20V	11.94-06.98	070133
Prisma 1.5ie	12.85-12.86	070053³
Y10 1.0 Turbo	03.85-02.89	070053³
1.0i	10.87-02.92	070126
1.1i	01.89-12.95	070126
1.1ie 4WD	00.89-00.92	070126
Y12 16V	00.97-	070113
Y14 1.4i 12V	01.96-	070126
Z 2.0 ie	00.94-	070113

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Lexus

ES 250 2.5i	00.90-00.91	070108
ES 300 3.0i	00.92-00.99	070097
GS 300 3.0i	00.93-00.99	070095
GS 300 3.0 24V	00.93-00.97	070089
LS 300 3.0i	00.92-00.97	070097
SC 300 3.0i	00.92-00.97	070095
SC 300 Coupe	00.92-00.97	070089
SC 400 4.0i	00.90-00.92	070096
	00.92-00.97	070095
SC 400 Coupe	00.92-00.97	070089
LS 400 4.0i	00.90-00.98	070096
	00.99-	070095
LS 400 4.0 32V	00.90-00.94	070089³
LX 450 4.5i	00.96-00.97	070095³
LX 470 4.7i	00.99-	070095³

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Mazda

323 1.6i	00.86-00.91	070099
	00.92-00.94	070098
1.6 16V	00.92-00.94	070089
323 C IV 1.6 16V (BG)	03.91-10.94	070133
IV 1.6 16V (BG)	03.91-10.94	070089
1.8 16V 4WD (BG)	11.91-12.93	070133
1.8 16V GT	09.89-03.93	070133
323 F IV 1.6 16V (BG)	03.91-10.94	070133
1.8 16V (BG)	08.89-07.94	070133
323 S IV 1.6 16V (BG)	08.89-10.94	070133
1.8 16V GT (BG)	06.89-10.94	070133
626 2.0i	00.86-00.87	070099
	00.93-00.97	070100
	00.93-00.97	070133
2.0 16V	00.91-00.95	070089
2.5 24V	00.91-00.95	070089
	00.95-00.97	070133
2.2i	00.88-00.92	070099
	00.93-00.97	070100
2.5i	00.93-00.97	070100
929 3.0 V6	00.92-00.95	070089
Millenia 2.5i V6	00.95-00.98	070089
MPV 3.0 V6	00.96-00.98	070089
MX 3 1.6i	00.92-00.95	070098
1.6 16V	00.92-00.95	070089
1.8i	00.92-00.94	070098
MX5 Mialta 1.6 16V	00.93-00.93	070089
1.8 16V	00.94-00.97	070089
MX5 II 1.6 16V (NB)	05.98-	070133
1.8 16V (NB)	05.98-	070133
MX6 2.0i	00.93-00.97	070100
2.0 16V	00.93-00.94	070089
	00.95-00.97	070133
2.2i	00.88-00.92	070099
2.5i	00.93-00.97	070100
2.5 24V	00.93-00.94	070089
	00.95-00.97	070133
Navajo 4.0 V6	00.90-00.94	070111
Protege 1.5i	00.95-00.97	070101
1.8i	00.92-00.97	070101
B2300 2.3i	00.94-00.97	070111
3.0i	00.94-00.97	070111
B2500 2.5	00.98-	070133
B4000 4.0i	00.94-00.97	070111

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Fuel Injection Pumps 12 V.

Mercedes

190 E	(201)	10.82-08.86	0700611
1.8	(201)	04.90-08.93	0700613
2.0	(201)	09.85-08.93	0700613
2.3	(201)	09.85-08.93	0700613
2.3-16V	(201)	04.84-08.88	0700613
2.5-16V	(201)	09.86-08.93	0700552
2.6	(201)	09.86-08.93	0700552
200 E, TE	(124)	06.85-08.93	0700621
E	(124)	07.93-06.98	0700613
CE Coupe	(124)	09.89-06.93	0700613
TE	(124)	07.93-05.96	0700552
220 TE	(124)	09.92-06.93	0700552
E	(124)	07.93-06.98	0700613
TE	(124)	07.93-05.96	0700552
230 E	(124)	12.84-08.93	0700611
E, TE	(123)	04.80-08.86	0700613
TE	(124)	09.85-08.92	0700611
CE	(123-124)	04.80-08.92	0700613
260 E	(124)	12.84-06.93	0700552
SE	(126)	09.85-06.91	0700613
280 E, TE	(123)	02.76-11.85	0700653
	(124)	09.92-06.96	0700552
SE	(140)	06.93-09.98	0700552
CE, SE, SEL	(123)	08.76-11.85	0700653
	(126)	09.79-08.85	0700613
SL, SLC	(107)	08.74-07.85	0700613
SL	(129)	07.93-05.98	0700552
300 E	(124)	01.85-08.92	0700552
E-24	(124)	09.89-08.92	0700552
TE	(124)	01.86-06.93	0700552
E 4Matic	(124)	07.93-06.95	0700552
CE Coupe	(124)	03.87-08.92	0700552
CE-24 Cabriolet	(124)	09.89-06.93	0700552
SE, SEL	(140)	03.91-05.93	0700552
SE, SEL, SL	(107-126)	09.85-06.91	0700613
SL, SL-24	(129)	03.89-09.93	0700621
320 E, TE	(124)	09.92-06.93	0700552
	(124)	07.93-05.96	0700552
CE Coupe	(124)	09.92-06.93	0700552
E Cabriolet, Coupe		07.93-06.98	0700552
SE	(140)	06.93-09.98	0700552
SL	(129)	07.93-05.98	0700552
350 SE, SEL	(116)	03.76-03.80	0700653
SL, SLC	(107)	05.71-05.80	0700613
380 SE, SEL, SEC	(126)	12.79-08.85	0700613
SL, SLC	(107)	03.80-08.85	0700613
400 E	(124)	09.91-06.93	0700552
SE, SEL	(140)	02.91-05.93	0700552
420 E	(124)	07.93-06.95	0700552
SE, SEL, SEC	(126)	09.85-06.91	0700552
SL	(107)	01.86-08.89	0700552
SE	(140)	06.93-09.98	0700552
CL	(140)	09.96-	0700552
450 SL, SLC	(107)	01.73-10.80	0700613
SLC 5.0	(107)	09.77-05.80	0700613
SE, SEL	(116)	12.75-04.80	0700653
SEL 6.9	(116)	07.75-03.80	0700653
500 E	(124)	01.91-06.95	0700552
SE, SEL, SEC	(126)	12.79-06.91	0700613
SLC	(107)	03.80-08.85	0700613
SE, SEL, SEC	(140)	02.91-05.93	0700552
SE, Coupe	(140)	06.93-09.98	0700552
SL	(107)	05.80-08.89	0700552
	(129)	03.89-05.98	0700552
CL	(140)	09.96-	0700552
560 SEC, SEL	(126)	10.85-06.91	0700552
SL	(107)	09.85-08.89	0700552
600 SE, SEL, SEC	(140)	04.91-05.93	0700552
SE	(140)	06.93-09.98	0700552
SL	(129)	07.92-09.98	0700552

CL	(140)	09.96-	0700552
C 36 AMG	(202)	01.94-05.97	0700552
280	(202)	03.93-05.97	0700552
E 36 AMG	(124)	03.94-06.98	0700552
GE 200	(463)	01.90-07.93	0700552
230	(463)	09.89-10.94	0700552
	(460)	02.82-08.92	0700613
	(461)	04.92-06.96	0700552
280	(460)	11.79-11.89	0700613
300	(463)	08.93-10.94	0700552
500	(463)	08.93-10.94	0700552

1 When using two pumps, select reference Cargo 070055.
2 When using two pumps, select reference Cargo 070055 or Cargo 070062.

Mitsubishi

Carisma 1.6, 1.8 GDi	00.96-01.99	070193
Colt 1.5i	00.91-00.96	070089
1.5i 16V	00.91-00.96	070089
1.6 16V	04.92-04.96	070089
1.8i 16V	00.91-04.96	070089
Diamante 3.0 V6	00.92-00.97	070089
3.5 V6	00.92-00.97	070089
Eclipse 1.8i 16V	00.91-00.98	070089
2.0	00.95-00.98	070101
2.0 (Turbo)	00.95-00.97	070133
2.4	00.96-00.96	070101
Expo 1.8	00.92-00.96	070101
2.4	00.92-00.96	070089
Expo LRV 1.8	00.92-00.96	070089
2.4	00.92-00.96	070089
Galant 2.0	00.91-00.93	070101
	11.92-08.96	070089
2.4	00.94-00.97	070101
2.4 V6 24V	11.92-08.96	070089
2.5	00.95-00.97	070101
Lancer 1.3	06.92-	070089
Mirage 1.5	00.91-00.92	070101
	00.93-00.96	070102
1.6	00.91-00.92	070101
1.8	00.93-00.96	070102
Montero 3.0	00.94-00.97	070089
2.4	00.97-00.98	070089
3.5	00.94-00.97	070089
Pajero II 3.0 V6	12.90-12.95	070089
3.0 V6 24V	06.94-05.97	070089
Pick-up 2.4	00.91-00.96	070089
3.0	00.92-00.95	070089
Wagon 3.0	00.93-00.95	070089
3000 GT 3.0	00.91-00.96	070092
	00.96-00.97	070101
DOHC (w/o Turbo)	00.91-00.99	070089
SOHC	00.97-00.99	070089

3 Inline pump for K-Jetronic, KE-Jetronic, L-Jetronic.

Nissan

Altima 2.4i	00.93-00.95	070128
2.4	00.96-00.99	070089
Axxess 2.4	00.89-00.90	070093
D 21 Pickup 2.4 12V	00.95-00.97	070089
Fontier 2.4 16V	00.98-00.99	070086
Maxima QX 3.0 V6 24V	00.95-00.98	070089
2.0 (A32)	02.95-08.00	070133
3.0 (A32)	01.95-12.96	070133
Micra 1.0 16V	08.92-	070128
1.3i 16V	08.92-	070128
Pathfinder 3.3 V6	09.97-	070089
Pick up 2.4i 12V	04.92-02.98	070089
Primera 1.6i 16V	05.95-05.96	070128
1.6i 16V	06.96-	070089
2.0i 16V	06.90-05.96	070128

Fuel Injection Pumps 12 V.

2.0i 16V	06.96-	070129	3.0i	02.78-08.86	070053³
Quest 3.0 V6	00.88-00.90	070119	Omega 1.8i	09.86-03.94	070124
Sentra 1.6 16V	00.95-00.99	070089	2.0i	09.86-03.94	070053³
2.0 16V	00.95-00.99	070089	2.0i, 2.0i 16V	01.94-	070124
Serena 1.6i 16V	07.92-08.97	070130	2.4i	09.88-03.94	070124
2.0i 16V	07.92-08.97	070130	2.5i 24V	01.94-	070124
Terrano II 2.4i 12V	02.93-05.96	070132	2.6i	09.90-03.94	070124
	05.96-	070129	3.0i 24V	01.94-	070124
Vanette 1.6i 16V	07.92-08.97	070130	3000, 3000 24V	03.87-03.94	070124
Van 2.4	00.87-00.90	070093	3.0i 2.4V	01.94-	070124³
200 SX 1.6	00.95-00.98	070089	Rekord 1.8i	05.85-08.86	070053³
2.0	00.95-00.98	070089	2.0i	09.77-10.84	070053³
240 SX 2.4	00.89-00.94	070093	2.2i	11.84-08.86	070053³
			Senator 2.0i	03.83-10.84	070124
<i>3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.</i>					
Opel					
Ascona 1.6i	[LC,NZ] ... 09.86-08.88	070126	2.2i	11.84-08.87	070124
1.6i	09.87-08.88	070174	2.5i	05.81-08.87	070124
2.0 E, 400 E	08.79-08.81	070053³		09.87-12.89	070124
1.8i	09.82-08.88	070053³	3.0i	02.78-08.87	070124
2.0i	09.86-08.88	070053³		09.87-09.93	070124
Astra F 1.4i SE, MPI	[SE] ... 03.92-03.96	070124	Tigra 1.4i 16V	[XE] ... 09.94-	070124
F 1.4i	[NZ] ... 09.91-	070123	1.4i 16V	09.94-08.00	070133
F 1.4i 16V	[XE] ... 04.96-	070124	1.6i 16V	[XE] ... 09.94-	070124
F 1.6i	[SZ,LZ2,SZR,NZ] ... 09.91-	070123	1.6i 16V	09.94-08.00	070133
	[SZR] ... 03.98-	070123	Vectra 1.6i	[SZ,LZ2,NZ,NZ2] ... 09.88-08.95	070123
F 1.6i, 1.6i 16V	[SE,XEL] ... 03.92-	070124	1.8i	[NZ] ... 03.90-08.95	070123
F 1.8i, 1.8i 16V	[NZ,SE,XEL,XE] ... 09.91-00.98	070124	2.0i	[NE,SEH] ... 09.88-08.95	070124
F 2.0i, 2.0i 16V	[NE,XEV,XE,LN] ... 09.91-00.98	070124	2.0i 16V, Turbo	[XEV,XE,XEJ,LN] ... 09.92-08.95	070124
G 1.2 16V MPI	00.98-	070124	2000 16V	09.89-08.92	070124
G 1.4 16V MPI	00.98-	070124	2.5i	[XE] ... 02.93-08.95	070124
G 1.6 8V,16V	(74 kW.) ... 00.98-	070124	Vectra B 1.6, 1.8 16V	00.95-	070133
G 1.8 16V	(85 kW.) ... 00.98-	070124	2.0 8V, 16V	00.95-	070133
G 2.0 16V	(100 kW.) ... 00.98-	070124	2.2 16V	00.95-	070133
Calibra 2.0i, 2.0i 16V, Turbo	06.90-03.97	070053³	2.5 V6	00.95-	070133
2.5i	04.93-03.97	070053³	Zafira 1.6 16V	00.98-00.99	070124
Commodore 2.5 E	05.81-12.82	070053³	1.8 16V	00.98-00.99	070124
Corsa 1.0i	[XE] ... 03.97-	070124	1.6, 1.8 16V	00.99-	070133
1.2i	[NZ] ... 09.90-03.93	070123			
	[XE] ... 09.97-	070124	<i>3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.</i>		
	[NZ,SZ] ... 03.93-	070123	Peugeot		
1.3i	[N] ... 09.85-03.93	070123³	106 1.3i	[MFZ] ... 00.93-00.96	070142
1.3i	09.86-09.90	070174	1.4i	[KFZ K6B] ... 00.91-00.96	070142
1.4i	[NZ] ... 01.90-03.93	070123	1.6i	[NFZ NFY] ... 00.93-00.96	070142
	01.90-03.93	070174	205 1.0i	[CDZ,CDY] ... 07.92-	070126
1.4 Si	09.91-03.93	070053³	1.1i	[HDZ,HDY] ... 07.89-	070126
1.4i	[SZ,NZ] ... 03.93-	070123	1.4i	[KDX,KDY,KDZ] ... 08.88-	070126
1.4 Se	03.93-	070124	1.6i	[BDY] ... 05.90-	070126
1.4i 16V	[SEL,XE] ... 09.94-	070124	1.6i	00.86-00.94	070142⁵
1.6i, Si	[XE] ... 05.88-03.93	070053³	1.9i	00.86-00.96	070142⁵
1.6i	[NZ] ... 04.89-03.93	070123	206 1.1i	[HFY,HFZ] ... 06.98-	070164⁶
1.6i, 1.6i 16V	[SEL,XE] ... 03.93-	070124	1.1i	[HFX] ... 03.00-	070164⁶
Combo 1.4 SE	07.94-	070133	1.4i	[K6C,KFX] ... 06.98-	070164⁶
Fontera 2.0	00.91-	070139	1.4i	[KFW] ... 03.00-	070164⁶
2.2 16V	00.95-	070139	1.6i	[NFZ] ... 06.98-	070164⁶
2.4i	03.92-10.98	070174	1.6i 16V	[NFU] ... 03.00-	070164⁶
Kadett 1.3i	09.85-08.91	070174	1.6i 16V	[NFU] ... 09.00-	070163⁶
1.4i	01.90-08.91	070174	2.0i S16	[RFN] ... 01.99-	070163⁶
1.6i	09.86-08.91	070174	2.0i S16	[RFR] ... 01.99-09.00	070164⁶
1.6i	[NZ] ... 09.87-08.91	070123	2.0i S16	[RFN] ... 10.00-	070164⁶
1.8i, GSi	09.84-08.91	070053³	2.0Hdi	[RHY] ... 04.99-	070168⁶
1.8i	09.90-08.91	070174	305 1.9i	[DFZ] ... 10.82-07.90	070127
1.8 E, GT/E	02.83-08.86	070053³	306 1.1	[HDZ,HDY] ... 01.93-03.97	070123
1.9 GT/E	09.75-07.79	070053³	1.4	[KDX] ... 01.93-02.97	070139
2.0i, 2.0i 16V	09.86-08.91	070053³	1.4	[KFX] ... 00.96-00.97	070139
2.0 E Rallye, GT/E	08.77-07.79	070053³	1.6	[NFZ] ... 00.93-00.97	070139
Manta 1.9i	09.75-07.77	070053³	1.8	[LFZ] ... 00.93-00.97	070139
2.0i	08.77-08.88	070053³	2.0	[RFX R6D] ... 00.93-00.97	070139
Monza 2.0i	03.83-10.84	070053³	2.0 16V	[RFY RFT] ... 00.93-00.97	070139³
2.2i	11.84-08.86	070053³	2.0 16V	[RFS] ... 00.96-00.97	070139³
2.5i	05.81-08.86	070053³	2.0 Hdi	[RHY] ... 00.97-	070196
			307 1.4i	[KFW] ... 08.00-	070167⁶
			1.6i 16V	[NFU] ... 08.00-	070167⁶

Fuel Injection Pumps 12 V.

Peugeot *continued*

2.0i 16V	[RFN]	08.00-
309 1.1i	[HDZ,HDY]	10.90-12.93
1.4i	[KDY,KDZ]	10.88-12.93
1.6i	[BDY,BDZ]	07.89-12.93
1.9i	[DDZ]	07.88-12.93
405 1.8i		06.92-04.97
1.9i, 1.9i 16V		07.87-04.97
2.0i, Mi16		06.92-04.97
406 1.6	[BFZ]	07.95-00.97
1.8 8V/16V		07.95-00.97
	[6FZ]	10.00-05.04
2.0 16V	[RFV]	07.95-00.97
	[RFN]	08.00-05.04
	[RFR]	01.99-08.00
2.0 HDi	[RHZ]	10.98-03.99
2.2	[3FZ]	07.00-05.04
3.0 24V		07.95-00.97
	[XFZ]	10.96-05.04
3.0 V6	[XFX]	03.00-05.04
504 2.7i V6		08.77-06.83
505 2.0i		08.79-12.89
2.2i		05.81-10.84
2.2i, 2.2i Turbo		10.82-12.93
2.8i V6		06.86-12.93
604 2.7 V6 Ti		08.77-05.83
2.8i V6		06.83-06.86
605 2.0i	[RDZ]	06.89-06.94
3.0	[S6A]	00.89-00.93
607 2.0i 16V	[RFN]	03.00-
2.0 HDi	[RHZ]	03.00-
2.2i 16V	[3FZ]	03.00-
2.2 HDi	[4HX]	03.00-
3.0i	[XFX]	03.00-
806 1.8 LFW		00.96-05.98
2.0 8V /16V		05.94-00.98
Partner 1.1i	[HFZ]	09.00-
1.4	[KFW]	09.00-
1.4		00.96-00.00
1.6i 16V	[NFU]	09.00-
1.8		00.96-00.00
2.0 HDi	[RHY]	12.99-

3 In-Tank pump.
5 Bosch module.
6 Marwal module.

Porsche

911 2.7, S		09.75-06.77
3.0 Carrera		09.75-06.77
3.0 SC		07.77-08.80
		07.80-08.83
3.0 Turbo		01.75-06.80
3.2 Carrera		08.83-08.89
3.3 Turbo		10.77-08.92
3.6 Turbo		02.93-08.94
924 2.0		01.76-08.85
2.0 Turbo		07.80-06.83
2.5, S		07.81-07.88
928 4.5		05.77-07.82
4.7		05.77-06.80
4.7 S		09.79-07.83
		08.83-07.86
5.0 S		12.84-07.86
5.0 CS, S4		08.86-07.91
944 2.5, S		07.81-07.88
2.5 Turbo		08.85-07.91
2.7		11.88-08.89
3.0 S2		12.88-07.91
968 3.0		08.91-11.95

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Renault

Alpine 2.5i Turbo		03.85-12.92
3.0i Turbo		03.91-
Clio 1.2i		06.90-03.94
1.2, 1.4, 1.8 MPI		00.93-00.96
1.4i		06.90-03.96
1.8i		06.90-03.96
Clio II 1.2i	[D7F744,746,764]	03.98-
1.2i	[D7F726,746]	10.99-
1.2i 16V	[D4F712,714]	03.00-
1.4i 16V	[K4J710,712,713]	08.00-
1.4i 16V	[K4J711]	06.01-
1.6i	[K4M744,745]	06.01-
2.0i 16V	[F4R732,736]	06.01-
Espace 2.0i		06.87-12.90
		01.91-
2.0	[F3R]	00.97-00.00
2.2i		07.86-12.90
		01.91-
2.9i		01.91-
3.0 12V	[Z7X775]	00.97-00.00
Express Extra, Rapid 1.4		03.86-05.87
Fuego 1.6i Turbo		02.82-10.85
2.2i		10.83-10.85
Kangoo 1.2 MPI		10.98-
Laguna 1.8, 2.0 MPI		00.94-
Megane 1.6, 2.0 MPI		00.96-
R5 1.4i, 1.4 Turbo		10.84-12.96
1.4 Turbo 2		12.79-12.85
1.7i		06.86-12.96
R9 1.4i		06.87-03.91
1.4 Turbo		09.84-03.91
1.7i		09.84-03.91
R11 1.4i		06.87-03.93
1.4 Turbo		09.83-03.91
1.7i		10.83-03.91
R18 1.6 Turbo Berline, Break		10.80-09.85
2.2i Break		10.83-02.86
R19 1.2i		05.92-
1.4, 1.4i		09.88-09.92
		07.92-
1.7i		09.88-
1.8i, 16V		06.89-09.92
1.8i		05.92-
R21 1.7i		03.86-12.95
2.0i		07.86-12.95
2.0i Turbo		04.87-03.93
2.2i		07.86-12.95
R25 2.0i		06.87-12.92
2.2i		01.84-12.92
2.5i Turbo		10.84-12.92
2.7i		01.84-08.89
2.7i V6		00.84-00.89
2.9i		10.86-12.92
R30 2.7i		10.78-12.83

3 Inline pump for K-Jetronic, KE-Jetronic, L-Jetronic.
4 Pre feed pump (for 2 pump system).
6 Marwal module.

Rover Group

Austin, MG, Morris, Rover, Triumph

25 1.4 MPI		10.00-
1.6, 1.8 MPI		10.00-
45 1.4 MPI		10.00-
1.6, 1.8 MPI		10.00-
200 1.4 MPI		04.96-09.00
1.6, 1.8 MPI		04.96-09.00
214 1.4i 8V/16V MPI		00.92-
216 1.4i 8V/16V MPI		00.91-00.93
2.0 GT 16V MPI		00.91-00.93
220 2.0 GT 16V MPI		00.93-

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0700653

Fuel Injection Pumps 12 V.

400 1.4 MPI	04.96-09.00
1.6, 1.8 MPI	04.96-09.00
414 1.4i 16V MPI	00.93-00.95
820 Si	00.86-00.91
Metro 1.3, 1.3 Turbo	10.80-04.90
Maestro 2.0i	10.84-08.88
2.0i	09.88-
Montego 2.0i, 2.0i Turbo	04.84-08.88
2.0i	09.88-
Triumph 3500 Vitesse	10.82-10.92
Triumph TR 7 2.0	05.77-
Range Rover 3.5i	06.70-09.90

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Saab

9-3 2.0i	00.99-
99 EMS	01.76-08.81
900i	09.78-08.83
2.0 16V	09.88-00.89
16V	09.85-08.92
2.0i, 2.1i, 2.5i	00.90-00.98
9000 CD 2.0 Turbo	09.89-12.89
16V	12.85-08.93
2.0i	-00.89
2.0i, 2.3i, 3.0i	00.90-00.98

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Seat

Alhambra 1.8 Turbo 20V	[AJH] ... 10.97-
1.8 T	[AJH,AWC] ... 10.97-
2.0	[ADY] ... 04.96-
2.0i	[ADY,ATM] ... 04.96-
2.0i	[ABF] ... 08.96-06.00
2.8 V6	[ALY] ... 06.00-
Arosa 1.0	[AER,ANV,AHT] ... 05.97-
1.0	[ALD,ALL,AUC] ... 05.97-
1.4	[AEX,APQ,ANW] ... 05.97-
1.4	[AKV,AKK,AUD] ... 05.97-
Pump only (w/ modification)	.....
Cordoba 1.4i	[ABD] ... 11.95-
1.4i	[AEX] ... 06.94-06.99
1.6i	[AEE] ... 02.93-06.99
1.6 SPI	[ABU 1F] ... 00.93-00.99
1.8i	[ADZ] ... 11.94-
2.0i	[2E] ... 02.93-06.99
2.0i	..... 11.95-
Vario 1.6 SPI	[1F] ... 00.96-00.99
Ibiza 1.0	[1043 AAU] ... 00.95-00.96
.....	[AAU] ... 00.93-00.95
1.2i	..... 12.89-05.93
1.2i [021A]	..... 00.89-00.93
1.3i	[AAV] ... 00.93-00.94
1.4i	[ABD] ... 11.95-
1.5i	..... 10.86-05.93
1.6i SPI	[1F] ... 00.94-00.97
1.7i	..... 01.91-05.93
1.8i	[ADZ] ... 11.94-00.97
2.0i	..... 11.95-
Inca 1.6 SPI	[1F] ... 00.95-00.97
Leon 1.4 16V	[APE,AHW,AXP,BCA] ... 11.99-
1.6	[AKL,AEH] ... 11.99-
1.6 16V	[ATN,AUS,AZD,BCB] ... 09.00-
1.8 20V	[AGN,APG] ... 11.99-
1.8 20V T	[APP,AUQ] ... 11.99-
Malaga 1.2i 12.89-12.93
1.5i 10.86-12.93
1.7i 01.91-12.93
Marabella 900i 00.97-

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Toledo 1.6	05.91-
1.6 [EZ, ABN Carburator]	00.91-00.93
1.6 SPI	[1F] ... 00.96-00.99
1.8	05.91-04.97
1.8 16V	[KR] ... 05.91-11.92
.....	[PL] ... 05.91-03.94
.....	05.91-00.94
1.8 SPI	[RP ABS ADZ] ... 00.96-00.97
2.0	05.91-06.96
2.0 16V	[ABF] ... 03.94-00.98

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.
4 Pre feed pump (for 2 pump system).

Skoda

Fabia 1.0	[ARV,ATY,AQV] ... 12.99-08.02
1.4	[ATZ,AME,AQW] ... 09.00-
1.4	[AZE,AZF] ... 08.00-08.02
1.4 16V	[AJA,AUB] ... 12.99-
2.0	[AQY,AZL] ... 12.99-
Felicia Pump only (w/ modification)	.....
Octavia 1.6	[AEH,AKL] ... 02.97-
1.6	[AEE] ... 09.96-09.00
1.8	[AGN] ... 09.96-
1.8 T	[AGU,ARZ,ARX,AUM] ... 08.97-
2.0	[AQY,APK,AZH,AEG] ... 04.99-
Pump only (w/ modification)

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070066⁴
070086
070072
070121
070120
070066⁴
070086
070073
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070179

Subaru

Forester 2.5 4WD	00.98-00.99
Justy 1.2i 4WD	00.91-00.94
Legacy 2.2	00.90-00.96
(4WD)	00.95-00.96
2.5	00.96-
Impreza 1.6i	06.98-12.00
1.8	00.93-00.96
2.2	00.95-00.97
2.2i 4WD	00.93-00.99
2.5 4WD	00.98-00.99
Outback 2.2 4WD	00.97-00.99

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Suzuki

Balero 1.6 16V	00.95-00.98
Balero Wagon 1.6 16V	00.95-00.98
Samurai 1.3	00.90-00.95
Sidekick 1.6	00.89-00.95
1.6	00.96-00.97
1.8	00.96-00.97
Swift 1.3i 16V MPI	00.89-00.94
Vitara 1.6 8V	00.87-00.97
1.6 16V	00.87-00.97
X90 1.6 16V Cabriolet	00.95-00.98

3 Inline pump for K-Jetronic,KE-Jetronic,L-Jetronic.

Triumph (see Rover Group)

Toyota

Avensis 1.6i 16V	10.97-
1.8i 16V	10.97-
2.0i 16V	10.97-
Camry 2.0i	00.86-00.88
.....	00.88-00.91
2.2i	00.92-00.97
2.5i	00.88-00.91
3.0i	00.92-00.97
Carina E 1.6i 16V	12.92-
1.8i 16V	12.94-
2.0i 16V	12.92-

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Fuel Injection Pumps 12 V.

Toyota *continued*

Celica 1.6i	00.90-00.93	070108
1.8i	00.94-00.97	070109
2.0i	00.86-00.89	070096
2.2i	00.90-00.93	070108
	00.94-00.97	070109
Corolla 1.6i	00.87-00.98	070097
	00.90-00.97	070108
1.8i	00.93-00.98	070097
	00.93-00.95	070108
Cressida 3.0i	00.89-00.92	070096
Land Cruiser 4.0i	00.88-00.90	070097
4.5i	00.93-00.97	070095
4.5i 24V	00.92-	070089
MR 2 1.6i	00.85-00.95	070097
Paseo 1.5i	00.92-00.95	070097
	00.95-00.97	070109
1.5i 16V	00.95-	070089
Pick-up 2.4i	00.84-00.95	070097
3.0i	00.88-00.95	070097
3.0i V6	00.92-00.95	070089
Previa 2.4i	00.94-00.95	070095
	(E-series) 00.94-00.95	070110
2.4i	00.92-	070109
2.4i	00.92-00.93	070097
Supra 3.0i	00.86-00.92	070096
	00.94-00.98	070095
3.0 Turbo	00.94-00.97	070089
Tercel 1.5i	00.91-00.94	070097
	00.95-00.97	070109
T100 2.7i	00.94-00.98	070097
3.0i	00.93-00.94	070097
3.4i	00.95-00.96	070097
4Runner 2.4i	00.85-00.95	070097
2.7i	00.96-00.98	070097
3.0i	00.88-00.95	070097
3.4i	00.96-00.98	070097

3 *Inline pump for K-Jetronic, KE-Jetronic, L-Jetronic.*

Vauxhall

Astra 1.4i	[SE] 03.92-	070124
	[NZ] 09.91-	070123
	01.90-08.91	070174
1.6i	[SE] 03.92-	070124
	[NZ] 09.91-	070123
	01.91-08.93	070174
1.6i Kat	10.87-02.93	070174
	(G)[SZR] 03.98-	070123
1.8 GTE	05.83-08.91	070053 ³
2.0 GTE	09.86-08.91	070053 ³
2.0i, 2.0i 16V	[SE, XE] 09.91-	070124
Astravan III 1.4i	01.91-10.94	070174
Belmont 1.8i	09.86-09.93	070053 ³
Calibra 2.0i, 16V, Turbo	03.90-03.97	070053 ³
2.5i	04.93-03.97	070053 ³
Carlton 1.8i	09.86-10.94	070053 ³
2.0i	09.86-10.94	070053 ³
Cavalier 1.6i	(III)[SZ, LZ2, NZ] 09.88-08.95	070123
1.8i	09.86-08.88	070053 ³
	(III)[NZ] 09.88-08.95	070123
2.0i	09.86-08.88	070053 ³
Cavalier II 1.6i	08.86-08.88	070174
Corsa 1.0i	[XE] 03.97-	070124
1.2i	[XE] 09.97-	070124
	[NZ, SZ] 03.93-	070123
1.4i	[NZ, SZ] 03.93-	070123
1.4i, 1.4i 16V	[SEL, XE] 11.94-	070124
1.4i Si	[SE] 08.93-	070124
1.6i, 1.6i 16V	[SEL, XE] 08.93-	070124
Frontera 2.4i	03.92-10.98	070174

Nova 1.3i	09.89-03.93	070174
1.4i	01.90-03.93	070174
Royale 3.0i	10.78-12.86	070053 ³
Tigra 1.4i 16V	[XE] 11.94-	070124
1.6i 16V	[XE] 11.94-	070124

3 *Inline pump for K-Jetronic, KE-Jetronic, L-Jetronic.*

Volga

3110 2.3 16V	01.95-	070054 ³
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Volvo

240 2.0i	[B19E] 09.76-07.84	070065 ³
	[B200E] 08.84-07.92	070060 ³
2.0i Turbo	08.81-07.84	070060 ³
2.1i	[B21E] 08.74-07.82	070065 ³
	08.81-07.84	070054 ³
2.1i Turbo	08.80-07.86	070060 ³
2.3i	[B23E] 03.79-07.84	070065 ³
	08.84-03.86	070054 ³
	[B230E] 08.84-07.92	070060 ³
2.7i	[B27E] 08.79-07.80	070065 ³
2.8i	[B28E] 08.80-07.84	070060 ³
	[B280E] 08.85-	070060 ³
260 2.7i	[B27E] 08.74-07.80	070065 ³
2.8i	[B28E] 08.80-07.84	070060 ³
2.8i, Coupe	08.80-07.82	070060 ³
340 2.0i	[B200E] 08.84-07.88	070054 ³
360 2.0i	[B19E] 08.82-07.84	070054 ³
	[B200E] 08.84-07.89	070054 ³
440 1.8i	[B18E, F, FT, U] 00.87-	070114
2.0i	[B20F] 00.87-	070114
1.7i (Turbo)	00.92-00.96	070114
460 1.8i	[B18E, F, FT, U] 00.87-	070114
2.0i	[B20F] 00.87-	070114
480 1.8i	[B18E, F, FT, U] 00.87-	070114
2.0i (Turbo)	00.92-00.96	070114
2.0i	[B20F] 00.87-	070114
740 2.0i	[B19E] 08.83-07.84	070063 ³
	[B200E] 08.84-07.91	070060 ³
2.0i Turbo	04.84-07.84	070063 ³
	08.84-07.92	070054 ³
2.3i	[B23E] 08.83-07.85	070063 ³
	[B230E] 08.84-07.91	070060 ³
2.3i Turbo	08.84-07.91	070054 ³
2.3i 16V	08.88-	070059 ³
760 2.0i Turbo	08.84-07.89	070054 ³
2.3i Turbo	04.83-07.92	070054 ³
2.8i	[B28E] 02.82-04.86	070063 ³
780 2.0i Turbo	01.86-07-90	070054 ³
850 2.0i, 2.2i, 2.5i	00.91-	070115
940 2.0i	[B200E] 09.90-08.91	070060 ³
2.0i Turbo	09.91-08.97	070054 ³
2.3i Turbo	09.90-08.97	070054 ³
940		070170
960 2.0i 16V Turbo	09.91-08.97	070054 ³
2.3i Turbo	09.91-08.97	070054 ³
S40 1.6i, 1.8i, 2.0i	00.95-	070116
	00.95-	070117
S70 2.0i, 2.3i, 2.5i	00.97-	070115
S90 3.0i	01.97-	070059 ³
V40 1.6i, 1.8i, 2.0i	00.96-	070116
	00.96-	070117
V70 2.0i, 2.3i, 2.5i	00.97-	070115
V90 3.0i	01.97-	070059 ³

3 *In-Tank pump.*

Fuel Injection Pumps 12 V.

VW				
Beetle 1.6	08.74-12.79	0700533	01.84-07.87	0700664
Beetle New 1.6	10.99-09.00	070171	[RP,PB,PF,1PRV] ...	0700733
1.8T	10.99-	070171	02.87-07.92	0700663
2.0	01.98-	070171	08.85-	070120
Pump only (w/ modification)		070179	[PL] ...	070121
Bora 1.4 16V	03.00-	070171	[KR] ...	0700664
1.6	10.98-	070171	08.86-10.91	0700633
1.8	10.98-	070171	08.86-10.91	070082
2.0	10.98-	070171	08.86-10.91	070081
2.3 V5	10.98-10.00	070171	08.86-10.91	0700603
2.8 V6	03.99-	070171	08.86-10.91	070086
Pump only (w/ modification)		070179	02.92-12.96	070084
Caddy 1.6	[1F] ... 00.95-	070086	[PB,PF] ...	070178
1.8i	08.85-	0700603	04.88-07.90	070135
Corrado 1.8i 16V	[KR] ... 09.88-07.92	070121	[1F,AAM,RP-Kat,ABS] ...	070121
1.8i G60	[PG] ... 09.88-09.93	070073	[KR] ...	070120
2.0i 16V	[9A] ... 08.91-	070121	[PL] ...	0700664
	08.91-00.94	0700664	04.88-07.92	0700603
Golf I 1.6i	[EG] ... 06.76-07.82	0700603	[HP,JS] ...	070082
1.8i	[DX,JJ] ... 08.82-07.83	0700603	10.93-12.96	070081
	08.82-00.92	0700664	[2E] ...	070178
1.8i Cabriolet	[JH,KT] ... 08.82-08.93	0700603	[2E] ...	070121
	08.82-08.93	0700664	[9A] ...	0700664
1.8	[AAM] ... 00.93-	070086	08.88-09.93	0700603
1.8	[ABS] ... 00.94-00.95	070086	08.84-03.88	070083
1.8	[ADZ] ... 00.94-	070086	10.93-12.96	070071
Golf II 1.3i	[NZ] ... 02.87-07.92	070073	02.90-08.96	070071
1.8i	[GX,RD] ... 01.84-07.88	070120	03-90-09.94	0700664
	00.84-07.88	0700664	[9A] ...	070081
	[9A] ... 01.90-12.91	070120	08.88-09.93	0700664
	[GX] ... 01.84-07.88	070120	08.84-03.88	0700603
	[HT] ... 01.85-07.85	070120	10.93-12.96	070083
	[RD] ... 08.85-10.87	070120	01.90-09.94	070071
1.8 SPI	[RP] ... 00.87-00.91	070072	1.3	070071
	[PF,PB,1H,PG,1P] ... 01.87-10.91	070073	[AAV] ...	070071
	[EV,GZ] ... 01.84-07.87	070121	1.3i	070071
	01.84-07.87	0700664	[NZ 3F] ...	0700664
1.8 GTI	[EV] ... 11.84-	0700603	1.3i G40 85KW	070081
1.8 GTI, 16V	08.83-	0700663	[PY] ...	070081
	[PL] ... 02.86-10.91	070120	00.90-00.94	070081
	[KR] ... 02.86-10.91	0701213	00.94-00.95	070081
	02.86-00.91	0700664	[AER] ...	070081
G60	[PG] ... 00.90-00.91	070073	(6K) ...	070086
Rally	[1H, PG] ... 00.89-00.91	070073	[1F] ...	070081
Golf III 1.4i	[AEX] ... 10.91-06.94	070084	1.4 16V	070081
	00.94-00.95	070086	[AFH] ...	070081
	[ABD] ... 07.94-06.95	070079	1.6	070081
1.6i	[AEA,ABU,AEE] ... 09.92-06.94	070084	[AEE] ...	070081
	[AEA] ... 07.94-06.95	070079	1.6	070081
	00.94-	070086	(6K) 1.4	070081
	07.94-06.97	070081	[RD] ...	070081
1.8i	[AAM] ... 01.92-07.94	070084	(6K) 1.6	070081
	00.94-00.95	070086	[AFT] ...	070081
	[ABS,ACC,AAM,ADZ] ... 07.94-06.95	070079	[HP,JS] ...	0700603
	11.91-07.95	070086	08.83-	0700603
2.0	[ADY] ... 11.91-08.97	070081	[WE] ...	0700603
2.0 16V	[ABF] ... 08.92-08.97	070081	08.82-07.83	0700603
2.8 VR6	[AAA] ... 01.92-08.97	070081	10.76-09.80	0700603
Golf IV 1.4 16V	08.97-	070171	1.6i	0700603
1.6	08.97-02.00	070171	[EG] ...	0700603
1.8	08.97-	070171	[DX,JH,JJ,KT] ...	0700603
1.8T	08.97-	070171	08.82-07.92	0700664
2.0	07.98-	070171	08.82-07.92	0700603
2.3 V5	08.97-10.00	070171	[PL,KR] ...	0700664
Pump only (w/ modification)		070179	10.85-07.92	0700603
Jetta 1.3i	[NZ] ... 02.87-07.92	0700733	10.85-07.92	0700664
1.6i	[EG] ... 08.79-07.82	0700603	09.97-	070171
1.8i	[DX,JJ] ... 08.82-12.83	0700603	09.95-	070171
	[GX,RD] ... 08.84-10.87	070120	[ADY] ...	070081
	[MZ,EV,GZ] ... 01.84-07.87	070121	[AAA] ...	070081
			09.95-04.00	070171
			09.95-04.00	070086
			01.92-07.94	070086
			[ABD] ...	070079
			00.94-00.95	070086
			11.91-09.98	070081
			1.6i	070079
			[AEA] ...	070086
			00.94-	070081
			[AFT] ...	070081
			09.92-09.98	070086
			01.92-07.94	070079
			[ABS,ACC] ...	070079
			07.94-06.95	070079
			1.8i	070086
			[AAM,ADZ] ...	070079
			07.94-	070086
			00.94-	070082
			01.92-12.94	070081
			[2F] ...	070083
			11.91-09.98	0700664
			1.8i VR6	070081
			01.92-07.94	070083
			00.88-07.92	0700664
			[AAA] ...	070081
			01.92-09.98	0700533
Caravelle 1.9i	01.83-08.86	0700533	01.83-08.86	0700533
2.1i	01.83-	0700533	01.83-	0700533
Transporter 1.9i	04.83-08.86	0700533	04.83-08.86	0700533
2.1i	04.83-	0700533		

Fuel Injection Pumps 12 V.

VW continued

Transporter T4 1.8	[PD] ... 12.90-07.92	070178
2.0	[AAC] ... 09.90-04.02	070178
2.5	[AAF] ... 11.90-12.93	070178
Lupo 1.0	04.98-	070171
1.4 16V 100 HP	08.99-	070171
1.4 16V 75 HP	04.98-	070171
Pump only (w/ modification)		070179
LT 28, 31, 35, 40, 2.4i	10.88-	070073

3 In-Tank pump.
4 Pre feed pump (for 2 pump system).

Also see Cross Reference List page 117

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
Alfa Romeo					
Alfa 6	00.79-	S4545			
33	00.84-00.92		450	450	400
33	00.93-		480	480	
75	00.86-		450	450	
90	00.84-		450	450	
145	00.95-		S550	180	
146	00.95-		S550	480	
147	01.01-		550	400	
155	04.92-	S5348			
156	01.97-		S550	530	
164	00.89-		S530	530	
166	10.98-		530	480	
Alfasud	00.72-00.83		400	400	
Alfasud Sprint	00.83-		400	400	
Alfetta	00.81-	4040			
Guilietta	00.81-	4040			
GTV	09.74-08.87	4040			
GTV 6	00.94	S5550			
Spider	00.71-04.95	4040			
Spider	05.95	S5550			
SZ Zagato	00.89		500	500	
Alfa Romeo					
10	06.80	4040			330
240-244D	04.78	4040			330
320D	04.78	4040			330
Aston Martin					
DB 7	0.95		S530	530	
Audi					
80	00.72-00.78	4040			
80	00.83		530	530	
90	00.85		500	500	
100	00.82-00.88		500	500	450
100	00.89	S5555			
200	00.83		500	500	
A2	02.00	700			
A3	09.96-	S5348			
A4	01.95-11.00		S530	500	
A4 Avant	00.95-00.01		S530	500	400
A6	01.95-	S5555			
A6 Avant	00.96	S5555			400
A8	06.94-01.01		S530	530	
Cabriolet	05.95	S5555			
Coupe	00.89-	S5555			550
Coupe GT	00.80-00.83		450	450	450
Coupe GT, Quattro	00.83-00.89		500	500	480
Quattro	00.80-00.83		450	450	450
RS 2 Avant	05.95		S530	530	400
S2	00.91-		500	500	
S4	00.91-		500	500	
S6	05.95-	S5555			
S8	09.97-	S5555			
TT	11.98-		S530	530	
V8	00.91-		500	500	
Austin					
1000	00.86-		280	280	
Maestro	00.84	S5050			450
Metro	00.80-	4040			400
Mini/Cooper	00.59		280	280	
Montego	00.84-		500	500	
Autobianchi					
A112	00.71-00.85		280	280	
Y10	00.85-00.92	450			330

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
BMW					
Compac(E36)	00.95-06.01	S5050			450
Compac(E46)	06.01		S530	530	450
M3 (E30)	00.86-04.91		500	500	
M3 (E36)	04.91-00.00		S530	500	
M3 Cabrio (E36)	00.95-	S5550			
M6	00.84-		450	450	
3 (E21)	00.79-00.83	S4545			
3 Touring (E30)	00.83-00.95		500	500	450
3 Touring (E36)	00.91-00.00		S530	500	330
3 Touring (E46)	02.98-		550	550	280
3 Cabrio	04.00-		530	530	
5 (E28)	04.79-02.88	S4545			
5 (E34)	02.88-11.95		S601	600	
6 (E24)	00.79-00.93	S4545			
6 Csi	00.84-		450	450	
7 (E23)	00.79-00.86	S4545			
7 (E32)	00.86-10.94		S601	600	
7 (E38)	10.94-11.01		S601	600	
8 (E31)	00.89-		S601	600	
X5	05.00	6055			450
Z1	00.89		500	500	
Z4	04.03		S530	500	
Cadillac					
Seville	00.98-	S5555			
Chatenet					
Stella			500	500	280
Chevrolet					
Alero	03.99-		550	400	
Blazer	02.98-		500	500	
Blazer Trail	09.01-		550	550	400
Corvette/ Cabrio	09.97-		550	550	
Tahoe	12.99-		550	550	400
Trans sport	02.98-		600	600	400
Chrysler-Jeep					
300M	10.98	6055			
Cherokee/Grand Chreokee	00.91-03.97		500	500	
Cherokee	04.97-04.00		450	450	
Cherokee	04.00-	S4848			
Grand Cherokee	04.97-		S530	530	
Grand Voyager	01.96-		700	700	400
Le Baron	00.93-		450	450	
Neon	11.94-04.99	S5045			
Neon	05.99		550	480	
PT Cruiser	06.00-		500	530	400
Saratoga	00.93		450	450	
Sebring/ Cabrio	04.01-	S5555			
Stratus	00.96-	S5555			
Viper	07.97-		400	400	
Voyager	00.91-12.95		550	450	
Voyager	01.96-		700	700	400
Wrangler	00.91-11.96		280	280	
Wrangler	11.96-		330	330	
Citroën					
Ax	00.86-	550			400
Axel	00.86-		500	500	
Bx	00.83-		500	500	480
Berlingo	09.96-		550	550	400
Berlingo Van	09.96-		550	550	330
C3	05.02-		S600	450	
C5	03.01-		S650	480	
C5 Break	06.01-		S650	480	
C8	09.02-		S650	S650	
C15	00.84-	480			
C25	00.81-		500	500	
C35	00.81-		500	500	

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
CX	00.74-	600			400
Dyane 6	00.80		280	280	
Evasion	00.95-		650	500	400
GS/GSA/GSX	00.75-		400	400	400
Jumper	05.95-		550	550	
Jumpy	00.95-		650	500	
LN/LNA	00.76-		330	330	330
Pluriel	05.03-		S550	450	
Saxo	04.96	S5045			400
Visa/Visall	00.78-	480			480
Xantia	04.93-08.97				
S600	500	480			
Xantia II	09.97-		S600	480	480
Xantia II Familiar	09.97-		S600	480	400
Xm	00.90-	S5555			450
Xsara	09.97-	S5555			450
Xsara Picasso	12.99-		650	650	
ZX	04.91-	550			450
Daewoo					
Aranos	00.95-		450	450	
Compact	05.97-		500	500	450
Evanda	12.02-		550	500	
Kalos	11.02		550	400	
Lanos	06.97-		480	480	480
Leganza	10.97-		550	480	
Matiz	09.98-		530	400	330
Nexia	00.95-		450	450	450
Nubria	09.97-06.03		500	500	
Nubria	06.03-		550	480	
Nubria Wagon	05.97-		500	500	400
Tacuma	10.00		600	480	400
Daihatsu					
1000	00.78-		400	400	
Applause	00.93-		400	400	
Berlina 1000			280	280	
Charade	00.87-00.93		400	400	
Charade	00.93-		480	450	400
Charmant	00.78-00.82		330	330	
Charmant	00.82-		400	400	
Coure-Domino	00.78-		400	400	
Feroza	00.93-		400	400	330
F20 taft	00.78-		400	400	
Hijet	00.95-		400	330	
Rocky	00.93-		400	400	400
Terios	04.97-		500	330	280
Fiat					
127	00.78-		330	330	400
128	00.70-		330	330	
131	00.74-		330	330	
132	00.72-		330	330	
2000 sport	00.77-		330	330	
Argenta	00.81-		400	400	
Barchetta	05.95-	S4848			
Brava/Bravo	00.95-		550	480	
Cinquecento	00.92-05.95		480	480	280
Coupe	05.94-		530	480	480
Croma	00.86-	S5050			480
Doblo	03.01-		550	450	
Doblo cargo	03.01-		550	450	
Ducato	00.95-		550	550	
Duna	01.87-		450	450	
Fiorino	00.95-	450			
Marea	01.97-		550	400	
Multipla	01.99-	6055			
Palio Weekend	02.98-		600	450	
Panda	00.80		400		330
Punto	00.94-11.99		550	400	

DOGA / OPTIMA Wiper Blades for Passenger Cars

Fiat <i>continued</i>		Front	Driver	Passenger	Rear
Punto	11.99-		550	450	
Regata	00.84-		400	400	400
Ritmo	00.78-		400	400	400
Seicento	04.98-		480	480	
Scudo	00.95-		650	500	
Stilo	10.01-		S550	480	
Stilo Multiwagon	03.03-		S550	480	
Strada	00.81-		400	400	400
Tipo	00.88-00.92	S4848			400
Ulysse	00.95-11.02		650	500	400
Uno	00.83	480			330
Ford					
Capri	00.74-00.80		330	330	450
Cortina	00.79-00.82		450	450	
Cougar	11.98-	S5550			550
Escort MK II	00.75-00.80	S4545			
Escort MK III	00.79-	S4545			400
Escort MK VI	00.90-	S4545			450
Explore	00.91-12.94		450	450	
Explore	00.95-		450	450	
Fiesta	00.76-00.89		330	330	400
Fiesta	00.89-00.96	S4545			400
Fiesta	00.96-11.01		480	480	500
Fiesta	11.01-		S550	400	280
Focus	11.98-		S550	480	400
Focus Stationcar	11.98-		S550	480	280
Fusion	11.02-		S550	400	280
Galaxy	00.95-00.01		700	700	400
Ghia	00.74-00.80		330	330	450
Granada	00.72-	S4545			400
Ka	10.96-	S4545			400
Maverick	00.93-00.98	S4545			330
Maverick	02.01	S4848			
Mondeo	03.93-11.00		S5050		450
Mondeo Stationcar	03.93-11.00		S5050		330
Mondeo	11.00-		S5550		
Mondeo Stationcar	11.00-		S5550		280
Orion	00.83-		S4545		
Probe	00.95-		S5050		500
Puma	10.97-	S4848			480
Ranger	11.99-		450	450	
Scorpio	00.85-	S4545			450
Sierra	00.82-	S4545			450
Taurus	00.79-		450	450	
Turneo	00.95-		550	550	
Transit	00.95-00.00		550	550	
Transit	03.00-		700	600	
Gallopier					
Exceed	05.98-		400	400	330
Santamo	11.98-		550	450	400
Honda					
Accord	00.76-00.90		400	400	450
Accord	00.91-10.98	S5550			
Accord	11.98-03.03		550	480	
Accord 4 doors	03.03-		S650	330	
Accord Coupe	00.93-02.98		550	480	
Accord Coupe	02.98-		S550	450	
Accord Toure	03.03-		S650	330	
Civic	00.72-00.86		330	330	
Civic	00.86-00.88		400	400	
Civic	00.89-00.92		480	480	450
Civic	00.93-12.94		500	450	450
Civic	00.93-12.94		500	450	450
Civic 3 doors	01.95-09.01	S5045			400
Civic 5 doors	01.95-09.01	S5045			450
Civic 4 doors	09.01-		530	480	
Civic coupe	09.01-		530	480	

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
Concerto	00.91-		450	450	450
CRV (1)	11.97-04.02	S4848			280
CRV (2)	04.02-		530	500	280
CRX	00.92-	S5045			450
HRV	03.99-		500	400	
Jazz	04.02-		500	330	
Legend	00.93-	S5045			
Logo	03.99-		500	400	
NXS	00.95-	S5050			
Prelude	00.79-00.88		400	400	400
Prelude	00.89-00.92	S4545			
Prelude	00.93-12.96	S5045			480
Prelude	01.97-	S5045			480
Quintet	00.81-		400	400	
S2000	10.99-		400	500	
Stream	06.01-		600	330	
Hyundai					
Accent	01.95-	S5045			480
Atos	02.98-		500	400	330
Coupe	00.96-02.02		S550	450	550
Coupe	02.02-		S550	450	500
Elantra	06.00-		500	450	500
Getz	11.02-		550	330	330
H1	01.97-		S650	500	400
Lantra	00.92-		500	450	
Lantra Sw	09.98-		500	450	330
Matrix	06.01-		550	400	330
Pony	00.77-00.90		400	400	
Pony	00.90-		450	450	
S Coupe	00.92-00.96		450	450	
Santa Fe	02.01-		550	500	330
Sonata	00.92-10.98		500	450	
Sonata	11.98-		550	500	
Terracan	02.02-		550	500	400
Trajet	03.00-		650	550	400
XG	02.99-		550	500	
Innocenti					
990	00.86-		450	480	330
A40S	00.89-		330	330	330
Mini/Cooper 1300	00.72-		280	280	
Mini DeTomaso	00.86-		280	280	
Mini DeTomaso Turbo	00.89-		330	330	330
Minidiesel	00.86-		280	280	330
Isuzu					
D-Max	05.03-		550	480	
Trooper	10.87-12.91		450	450	400
Trooper	04.00-		500	500	400
Jaguar					
S-Type	06.01-		S600	480	
XJ	00.75-00.79		330	330	
XJ	00.79-00.95		450	450	
XJ	00.95-03.03		530	530	
XJ-S Convertible	00.86-		330	330	
XJ-S Coupe	00.75-		400	400	
XK Convertible	03.96-		S530	530	
X-Type	06.01-		S550	480	
Kia					
Carens	08.99-07.02		600	480	330
Carens	07.02-		600	450	330
Carnival	03.99-		600	600	450
Clarus	10.96-		530	480	
Magentis	05.01-		530	500	
Opirus	10.03-		S600	450	
Pride	10.96-		450	450	400
Rio	09.00-		530	450	400

DOGA / OPTIMA Wiper Blades for Passenger Cars

Kia <i>continued</i>		Front	Driver	Passenger	Rear
Sephia	00.95-00.97		530	480	
Sephia II	00.97-		530	480	
Shuma	00.98-		530	480	450
Sorento	07.02-		S600	450	330
Sportage	00.95-		500	500	400
Pregio	10.96-		530	450	450
Lada					
1200-1600	00.72-		330	330	
Niva	00.78-		330	330	280
Lancia					
A112	00.78-		330	330	
Dedra	00.90-		500	480	
Delta	00.80-00.84	4040			400
Delta	00.85-00.92	S4545			450
Delta	00.93-	S5348			530
Gamma	00.78-00.84	4040			
Gamma	00.85-		450	450	
K	00.95-		600	500	
Lybra	07.99-		S550	530	
Lybra SW	07.99-		S550	530	
Phedra	11.02-		S650	S650	
Prisma	00.85-	S4545			
Thema	00.85-		500	500	
Thesis	01.02-		650	530	
Trevi	00.80-	4040			
Y10	00.85-00.92	450			330
Ypsilon	10.02-		S600	400	
Ypsilon	02.96-10.02		550	400	
Z	04.95-		650	500	400
Land Rover					
88,109	00.63-00.82		280	280	280
88,109	06.82-09.83		330	330	280
88,109	10.83-		280	280	280
Defender	00.90-		330	330	330
Discovery	00.90-12.97		450	450	330
Freelander	01.98-		550	530	
Range Rover	00.85-00.90	4040			400
Range Rover	00.90.00.94		450	450	400
Range Rover	00.95-03.02		550	550	480
Lexus					
GS	08.97-		S600	500	
IS	04.99-		S550	480	
IS Sport Cross	10.01-		S550	480	
RX	06.03-		S650	S550	
SC	08.01-		S600	500	
Ligier					
JS16	00.94-	600			
Maserati					
228	00.89-	S5050			
420-430	00.89-	S5050			
Ghibli	00.93-	S5050			
Plus	00.89-	S5050			
Quattroporte	00.95-		S530	530	
Shamal	00.93-	S5050			
Spider	00.93-		500	500	
Mazda					
121	00.76-	4040			
2	04.03-		600	400	
323	00.77-00.80		330	330	
323	00.81-00.86	4040			
323	00.86-00.92	S4545			450
323	00.93-00.98		S530	450	400
323F	00.98-		530	480	330

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
6 5 doors	06.02-		S550	450	500
6 4 doors	06.02		S550	450	
6 Wagon	11.02-		S550	450	
616	00.77-00.80		330	330	
626	00.78-00.86	4040			
626	00.86-00.91	S4545			450
626	04.92-00.97		S530	500	
626 Hatchback	05.97-		530	480	500
626 Station Wagon	02.98-		530	480	330
808	00.77-00.80		330	330	
818	00.77-00.80		330	330	
929	00.78-00.86	4040			
929	00.86-	S4545			
B-2500	06.99-		450	450	
B-2500 Pick-up	06.99-		450	450	
Demio	08.98-		500	400	
Mpv	06.97-09.99		550	550	400
Mpv	09.99-		600	600	400
MX 3	00.93-		S530	450	530
MX	00.93-		450	450	
MX 6	00.93-		500	500	
Premacy	07.99-		600	400	330
RX 2	00.77-00.80		330	330	
RX 3	00.77-00.80		330	330	
RX 4	00.74-00.82	4040			
RX 5	00.76-	4040			
RX 7	00.78-00.86	4040			400
RX 7 Cabriolet	00.93-		S5050		500
RX 7 Coupe	00.89-		S5555		550
RX 8	07.03-		S5045		
Tribute	03.00-		S4848		280
Xedos	00.93-		S530	500	
Xedos 9	07.93-		500	500	
Mercedes Benz					
200, 300 (W123)	00.76-00.85		S5050		
200, 300 CE (C123)	00.77-00.85		S5050		
A Class (W168)	07.97-		S650	S600	330
C Class (W203)	05.00-		S600	500	
CLK Class (C208)	00.97-05.02	600			
E Class (W210)	00.95-03.02	650			400
E Class Touring (S210)	00.96-03.03	650			400
G Class (M460)	00.80-08.93	4040			400
G Class (M463)	08.93-	4040			400
M Class (W163)	03.98-		S5555		400
MB 100	00.87-		550	550	
S Class (W126)	00.80-06.91		S5555		
S Class (W220)	10.98-09.01		700	700	
SLK (R170)	11.94-		S5555		
Sprinter	00.95-		6055		
V Class	10.96-		650	550	450
Vaneo	11.01-		S650	S600	400
Vito	02.96-		650	550	
MG					
TF	06.01-		S5050		
ZR	06.01-		S4545		450
ZS	06.01-		500	450	
ZT	06.01-		S5555		
Microcars					
Zeus			450		
Mini					
One, Cooper	09.01-		450	480	

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
Mitsubishi					
3000 GT	00.93-		S530	500	
Carisma	10.96-		S530	500	500
Colt	00.71-00.78		330	330	
Colt	00.78-00.95	4040			
Colt	00.95-		500	400	330
Eclipse	00.93-	S5050			
Galant	00.71-00.77		330	330	
Galant	00.79-00.86	4040			
Galant	00.87-00.90	4040			
Galant	00.90-00.92		480	450	
Galant	00.92-08.96		S530	450	550
Galant	08.96-		S550	450	
Galant Wagon	00.93-		S550	450	400
L-200	09.96-11.01		480	480	
L-200	11.01-		480	450	
Lancer	00.71-00.78		330	330	
Lancer	00.78-	4040			
Lancer Evo VII	02.01-		600	450	
Montero/Pajero	00.86-00.90	4040			330
Montero/Pajero	00.91-08.97	S4848			400
Montero/Pajero	09.97-04.00	S4848			400
Montero/Pajero	04.00-		500	500	400
Montero IO	10.99-		450	480	400
Montero sport	11.98-	S5050			400
Outlander	04.03-		550	450	
Space Gear	05.95-		S530	450	330
Space Runner	00.95-		550	400	400
Space Star	06.98-		S530	450	330
Starion	00.82-	4040			400
Strada L-200	00.95-08.96	4040			
Nissan					
100 NX	00.91-	S5348			500
120-160	00.78-00.82	4040			
200 SX	00.86-00.94		500	480	480
200 SX	00.95-		S550	530	480
300 ZX	00.86-00.94		500	480	480
300 ZX	00.95-		S550	530	530
Almera	10.95-03.00	S5348			330
Almera 3/5 doors	03.00-		530	400	480
Almera 4 doors	07.00-		550	400	
Almera Tino	08.00-		650	450	500
Bluebird	00.78-00.86	4040			
Bluebird	00.89-		480	480	480
Cherry	00.85-		500	500	
Maxima	00.89-00.94		S530	500	
Maxima	00.95-		S650	400	
Micra	01.93-04.98		500	450	450
Micra	05.98-02.03	S5045			400
Micra	02.03-		S530	450	
Pathfinder	01.99-		550	530	280
Patrol	00.79-00.86		400	400	280
Patrol	00.86-00.89		450	450	280
Patrol	00.89-		450	450	330
Patrol GR	02.93-05.98		450	450	280
Patrol GR	05.98-		480	500	330
Pick-up	07.98-		480	480	
Prairie	00.83-00.85	4040			
Prairie	00.85-	4040			400
Primastar	09.02-		S600	500	400
Primera	00.91-00.95	S5348			530
Primera	00.96-04.02		S530	500	530
Primera	04.02-		S650	480	
Primera Sport Wagon	00.98-04-02		S530	500	400
Primera Sport W	04.02-		S650	480	
Serena	10.92-		600	600	400
Stanza	00.81-	4040			
Sunny	00.78-00.85	4040			
Sunny	00.85-00.89		500	480	330
Sunny	00.89-00.90	S5050			450

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passen	
Sunny SW	00.86-		500	480	480
Terrano	00.89-01.93	S4848			
Terrano II	02.93-		S530	500	330
Vanette	00.81-00.84	4040			
Vanette	00.85-		450	450	400
Vanette Cargo	00.95-		600	600	400
Violet	00.78-00.79	4040			
X-Trail	07.01		S600	600	400
Opel					
Agila	04.00-	S5045			330
Ascona	00.75	S4545			480
Astra	00.91-00.97	S4545			450
Astra Caravan	00.92-	S4545			450
Astra Coupe	10.00-		500	480	
Diplomat	00.73-		500	500	
Calibra	00.90-	S4848			480
Combo	03.02-		500	400	330
Commodore	00.72-	S4545			
Corsa	00.82-03.93		450	450	330
Corsa	04.93-12.96		450	450	330
Corsa 3 doors	00.97-09.00		450	450	400
5 doors	00.97-09.00		450	450	330
Corsa	10.00-	S5045			
Corsa combo	00.95-		450	450	
Fontera	00.92-11.98		480	480	280
Fontera	11.98-		480	480	330
GT	09.68-	4040			
Kadett	00.67-00.79	4040			
Kadett	00.79-00.84	4040			400
Kadett	00.85-	S4545			400
Meriva	04.03-		600	600	
Monterey	00.93-	S5050			400
Monza	00.77-	S4545			480
Movano	01.99-		600	600	
Omega	00.77-00.86		450	450	
Omega	00.87-00.94		480	480	330
Omega	00.95-		S600	480	400
Omega Sport Wagon	00.97-		S600	480	330
Rekord	00.72-	S4545			
Senator	00.77-00.89	S4545			
Senator	00.89-		480	480	
Signum	04.03-		S600	480	
Sintra	00.97-		600	600	400
Tigra	00.95-	S4545			500
Vectra	00.88-00.89		450	450	
Vectra	00.89-00.96		480	480	480
Vectra	12.96-04.02	S4848			480
Vectra	04.02-		S600	480	
Vectra Sport Wagon	00.97-	S4848			330
Vivaro Combi	08.01-		S600	530	
Zafira	04.99-		600	600	
Peugeot					
104	00.72-		330	330	330
106	00.91-00.94	S4545			400
106	00.95-	S5045			400
204	00.71-00.81		330	330	
205	00.83-		450	450	400
206	10.98		S600	450	
206 SW	05.02-		S600	450	
304	00.71-00.81		330	330	
305	00.78-	4040			
306	03.93-	S5550			500
307	06.01		S650	650	
307 SW	05.02		650	650	
309	00.86-	S4545			450
405	10.88-11.95	S5555			
406	11.95-	6055			

DOGA / OPTIMA Wiper Blades for Passenger Cars

Peugeot <i>continued</i>		Front	Driver	Passenger	Rear
406 Coupe	00.97-		S650	500	
406 SW	10.96-	6055			
504	00.68-00.80	4040			
504	00.81-	4040			
505	00.79-	S4545			450
604	00.75-	S4545			
605	08.89-		550	550	
607	02.00-		S650	S530	
806	00.95-		650	500	400
807	10.02		S650	S650	
Boxer	00.95-		550	550	
Expert	00.95-		650	500	400
Partner	09.96-		550	550	400
PGO					
Speedster II			280	280	
Piaggio					
Porter	00.95-	4040			
Porsche					
911	00.68-09.97		330	330	400
911	09.97-		S550	530	
914	00.70-		330	330	
924	00.75-	S4848			480
928	00.77-		450	450	
928	00.85-	S4848			
944	00.75-	S4848			480
Boxster	09.96-		S550	530	
Reliant					
Rialto	00.82-		330	330	
Scimitar	00.66-		330	330	
Renault					
Alpine 1600	00.75-00.78		330	330	
Alpine A110	00.71-	4040			
Alpine A610	04.91-	S5555			
Avantime	09.01-		650	450	
Clio I	00.90-00.94	S4545			
Clio I	00.95-04.98	S5050			400
Clio II	05.98-06.01		530	450	
Clio II	06.01-		S530	450	
Espace I	00.84-03.89		550	550	400
Espace II	04.89-00.97		600	600	400
Espace III	00.98-11.02		650	450	
Express	00.86-		450	450	
Fuego	00.80-		500	500	480
Kangoo 4 doors	00.98-		500	500	
Kangoo 5 doors	11.97-		500	500	400
Laguna	01.94-00.01		600	450	550
Laguna II	00.01-		S600	500	
Laguna II Grandtour	00.01-		S600	500	
Mascott	01.99-		600	600	
Master	07.98-		600	600	
Megane	10.02-		S600	450	
Megane Coupe	02.95-10.02	S5550			
Megane Grandtour	11.03-		S600	450	
R4	00.70-		280	280	
R5	00.73-00.78		280	280	280
R5	00.79-00.84		330	330	330
R5	00.85-		450	450	400
R6	00.69-00.82		330	330	
R7	00.78-		330	330	
R8	00.63-		330	330	
R9	00.81-	4040			
R10	07.69-		330	330	
R11	00.83-	4040			480
R12	10.69-	4040			330
R14	00.76-	4040			400

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
R15	00.71-00.80	4040			
R16	00.65-00.79		330	330	
R17	00.71-00.80	4040			
R18/Break	00.78-	4040			
R19	06.88-	S5050			480
R20	00.75-00.83		450	450	
R21	-00.89	S5050			
R21	04.89-	S5050			
R21 5 doors	05.89-	S5050			480
R21 Nevada	-04.89	S5050			450
R21 Nevada	05.89-	S5050			450
R25	05.89-	S5555			550
R30	00.75-00.83		450	450	
Safrane	00.96-		S601	S601	550
Savanna	04.89-	S5050			450
Spider	01.97-	550			
Traffic	03.01-		600	530	
Twingo	00.93-	650			
Rolls-Royce					
Corniche	00.71-		330	330	
Silver Spirit	00.81-	S4545			
Silver Spur	00.81-	S4545			
Silver Shadow	00.65-		330	330	
Rover					
2400/2600	00.84-	S4545			
25	02.00-	S4545			450
3500/ Vanden Plas	00.85-	S4545			
45	02.00-		500	450	
75	02.99-	S5555			
MGF	04.96-	S5050			
Serie100	00.93-	4040			400
Serie200	00.85-02.00	S4545			450
Serie400	00.93-00.96	S4545			450
Serie400	01.97-02.00	S5045			450
Serie600	00.95-	S5550			
Serie800	00.89-04.92	S4848			
Serie800	04.92-	S5050			
Saab					
900	00.78-00.94	4040			
900	00.95-		530	530	500
900 T16 Cabrio	00.86-00.94	S4545			
9000	00.84-		S530	530	530
9-3	03.98-		530	530	500
9-5	10.97-	S5555			
Seat					
124	00.72-		330	330	
127	00.81-		330	330	400
128 Sport	00.77-00.79		330	330	
131	00.75-00.81		330	330	400
131	00.81-00.84	4040			400
132	00.73-00.83		330	330	
133	00.74-		330	330	400
1430	00.68-00.72		330	330	
850	00.68-00.74		280	280	
850	00.74-		330	330	
Alhambra	00.95-00.01		700	700	400
Arosa	06.97-	S5348			280
Cordoba	01.94-00.99		S530	450	
Cordoba	12.02-	S5348			
Cordoba	00.99-00.02	S5045			
Cordoba vario	00.99-		S530	450	280
Fura	00.81		330	330	400
Ibiza I	00.84-00.88	450			450
Ibiza II	00.89-00.92	500			450
Ibiza III	00.92-04.99	S5050			330
Ibiza IV	05.99-03.02	S5348			330

DOGA / OPTIMA Wiper Blades for Passenger Cars

Seat <i>continued</i>		Front	Driver	Passenger	Rear
Ibiza V	03.02-	S5348			330
Inca	00.95-		530	450	450
Leon	10.99-	S5348			400
Malaga	00.85-00.88	4040			
Malaga	00.89-	S4545			
Marabella	00.83-	400			330
Panda	00.83-	400			330
Ritmo	-00.83		330	330	400
Ritmo	00.84-	4040			400
Ronda	00.82-00.83		330	330	400
Ronda	00.84-	4040			400
Terra	00.87-	400			
Toledo	00.91-11.98	S5050			
Toledo	12.98-	S5348			
Skoda					
105	00.76-	4040			
120	00.76-	4040			
120-130	00.86-	4040			
136 rapid	00.81-	4040			
Fabia 4 / 5 doors, Combi	12.99-	S5348			
Favorit	00.90-00.92		450	450	400
Favorit	00.93-		500	500	400
Felicia	04.95-		500	500	400
Octavia	00.96-	S5348			
Octavia Combi	07.98-	S5348			330
Smart					
Roadster Cabrio/Coupe	04.03-		500	450	
Smart			530	530	330
Ssangyong					
Family		S4848			280
Korando	00.96-		450	450	280
Musso	00.95-00.97	S5050			330
Musso	00.98-		500	450	330
Rexton	07.02-		500	500	330
Subaru					
1600	00.80-	4040			
Forrester	00.98-	S5348			400
Impreza / SW	00.93-12.00		S530	450	400
Impreza/ SW	12.00-		S550	400	400
Justy 12	00.86-00.88	4040			400
Justy	00.89-		450	400	400
Legacy	00.91-00.94		500	450	400
Legacy	02.97-		550	500	
Legacy SW	12.98-		550	500	400
Leone 4WD	00.80-	4040			
Outback	03.99		550	500	400
SVX	00.93-		550	500	450
Swingback	00.79-	4040			
Suzuki					
Alto	00.81-00.96		330	330	
Alto	00.96-		480	400	330
Baleno	00.95-	S5045			400
Baleno SW	00.95-	S5045			280
Carry	05.99-	4040			
Grand Vitara	11.98-		480	480	400
Ingis	10.00-		480	450	330
Jimny	11.98-		450	400	280
Liana	07.01-		550	450	330
Samurai	00.81-		280	280	330
SC100	00.80-		330	330	
Swift	00.85-00.88	4040			
Swift	00.88-		530	450	400
Vitara 3 doors, T Duro/Met	00.88-00.90	4040			
Vitara JHT	00.90-		450	450	330
Vitara V	00.90-		450	450	400

DOGA / OPTIMA Wiper Blades for Passenger Cars

		Front	Driver	Passenger	Rear
Wagon R	06.98-05.00		500	450	280
Wagon R	05.00-	S5045			330
Talbot					
1100-1200	00.75-		330	330	
1307-1309	00.75-	4040			400
1510	00.79-	4040			
Horizon	00.78-	4040			
Murena	00.80-		500	500	
Rancho	00.77-		330	330	
Samba	00.81-	4040			330
Solara	00.79-	4040			
Tagora	00.79-00.82	S4545			
Tagora	00.82-	S4848			
Toyota					
4-Runner	00.93-	4040			
Aveis	01.98-04.03		S530	450	
Avensis 4 / 5 doors	04.03-		S600	400	
Avensis Verso	08.01-		S550	400	
Avensis Vagon	04.03-		S600	400	
Camry	10.92-	S5348			
Carina	00.78-00.81	4040			
Carina II	00.81-05.88		S530	450	500
Carina E 5 doors	04.92-		S530	450	500
Celica	00.78-00.87	4040			
Celica	00.90-00.94	S5045			530
Celica	00.94-01.00	S5348			500
Corolla	00.75-00.79		330	330	
Corolla	00.79-00.81	4040			
Corolla	00.81-00.87	4040			
Corolla	00.92-00.97	S5045			400
Corolla 3 doors	00.97-01.02	S5045			400
Corolla 5 doors	00.97-01.02	S5045			500
Corolla 3 / 5 doors	01.02-		S550	450	
Corolla Familiar	00.98-01.02		500	450	330
Corolla Verso	01.02-		S550	400	
Corona	00.75-00.79	4040			
Corona	00.79-	4040			400
Cressida	00.79-	4040			
Crown	00.79-	4040			
Hilux	00.82-00.97	4040			
Hilux	01.97-02.02	S4545			
Hilux	02.02-		400	330	
Land Cruiser	00.78-00.82		330	330	
Land Cruiser	00.82-00.90	4040			330
Land Cruiser	00.90-00.96		450	450	330
Land Cruiser	00.96-02.03	S4848			330
Land Cruiser 100	01.98-	6055			400
MR2	05.00-		S600	480	
Paseo	09.96-	S5045			
Picnic	02.99-		S600	330	400
Prius II	02.04-		600	400	
Rav-4	06.94-00.00	S5045			330
Rav-4	00.00-		600	480	
Starlet	00.96-	S5045			400
Supra	00.87-00.92	4040			400
Tercel	00.82-00.86	4040			400
Yaris	04.99-		530	330	
Triumph					
Acclaim	00.81-	4040			
Spitfire	00.65-00.81		280	280	
Vauxhall					
Astra	00.80	4040			480
Charlton	00.78-	S4545			
Chevette	00.75-	4040			
Royale	00.78-	S4545			
Viceroy	00.78-	S4545			

DOGA / OPTIMA Wiper Blades for Passenger Cars

Volkswagen		Front	Driver	Passenger	Rear
411-412	00.68-	4040			
Beetle I	00.69-00.72		330	330	
Beetle II	00.72-00.85		280	280	
Bora	01.99-	S5348			
Caddy	00.95-	S5045			
California	00.95-		S530	530	400
Caravelle	00.95-		S530	530	400
Corrado	00.89-00.92		480	480	450
Corrado	00.93-	S4848			480
Derby	00.77-	4040			
Golf I	00.74-00.83	4040			400
Golf II	00.84-10.91	S4545			400
Golf III	11.91-08.97	S5348			330
Golf Variant	07.93-04.99	S5348			400
Golf IV	08.97-00.02	S5348			330
Golf IV Variant	00.02-	S5348			380
Jetta	00.79-00.88	4040			
Jetta	00.89-	S4545			
Lupo	11.98-00.02	S5348			280
LT	00.82-04.96		480	480	
LT	04.96-	6055			
New Beetle	05.99-		S530	530	
Passat I	00.73-00.80	4040			400
Passat II	00.80-00.88	S4545			400
Passat III	00.88-00.92		S530	530	
Passat IV	00.93-00.96		S530	S530	
Passat V	00.97-01.01		S530	530	
Passat Variant	00.97-01.01		S530	530	400
Polo I	10.81-00.94	4040			280
Polo II	00.95-10.01	S4848			280
Santana	00.81-	S4545			
Scirocco	00.74-00.81	4040			400
Scirocco	00.81-	S4848			400
Sharan	00.95-00.01		700	700	400
Taro	00.95-	4040			
Transporter	00.95-		S530	530	400
Vento	04.92-	S5348			
Volvo					
66	00.76-00.81	4040			
240, 245	00.83-	4040			330
242, 244, 262, 264, 265	00.74-	4040			
340, 343, 345, 360	00.82-		450	450	
440, 460	00.89-		S530	530	
480ES	00.86-		500	500	
740, 760	00.83-00.88		450	450	330
740, 760	00.89-	S5050			330
850	10.93-00.96		S530	500	
850 SW	10.93-00.96		S530	500	400
940	00.91-	S5050			
S, V40	00.96-		S530	500	
S60	03.00-		S600	530	
C70	09.97-		S530	530	
S, V70	00.96-		S530	530	400
V70	03.00-		S600	530	400
S80	10.98-04.03		S600	530	
S, V90	00.96-		530	530	330
XC70	09.00-		S600	530	
XC90	10.02-	6055			

Also see Cross Reference List page 117

DOGA

Wiper Blades for Trucks

AEBI

TP 27, TP 45, TP 65 160323

Alfa Romeo

Autocarro 1000 160322

Auwärter

Economy 0614 160369

Avia

1000, 1250, 2000 160323

1600, 3600, 5600 160322

Bedford

Astra Van 160322

Midi Van 160322

Serie TK 160323

TK, K, 3-12t 160321

TM 160324

TM (D-Kab) 160371

Berna

Motor Front. 160321

Cab. Front. 160326

Bova

Motor Front. 160329

Cab. Front. 160330

Chrysler

Voyager, Gran Voyager 160411

Citroën

480 DI, 700 DI, 800 DI 160321

C 15 160322

C 22, C 25, C 35 160323

Jumper 160323

DAF

CF 65, 75, 85 160369

5.120, 130, 150, 160 160324

700 DE, 900 DD, DE, 1100 DD 160323

700 DE, 900 DE, 1100 DD 160326

900, 1500 Turbo, FA 1500 DT 160326

1300 Turbo 160326

1700, 1900, 2105 160323

2005, 2200, 2205 160321

2100, 2300, 2500 Turbo 160323

2300, 2305, 2505, 2525, 2800, 2805 160323

2300 Turbu, 2700 ATi, 2900, 3300 160323

2800, 3600 Turbo, Serie 400 160323

FA 100 CN 160324

45.120, 130, 150, 160 160324

Daihatsu

F 20 Taft 160321

Dodge

Comander, Serie 100 160371

Express 160325

G 75, 76 160371

Maxiload VC 4, VC 8, CE 16 160321

Mods. cabina abatible 160322

Serie 100 160325

100 S 160326

Space Van 160321

WCAS 541, WCFS 562, 415 160321

Drögmöller

E 290, 300, 310, 320, 330, 430, 160330

Supercomet, Aufbau, Scania K 110 ...

E 420, 440 Sup. 160328

EBRO

Autocares 100/8 D, 65/7 D 160328

D 154 160322

E 35 F, E 60 F 160322

E 154 160322

F 260, F 275, F 350 160323

JX 20 Trade 2.0, 2.8 160323

L 35, L 45, L 60, L 80 160322

M 100, M 125, M 140 160323

P 137, P 170, P 200, P 260, P 320 160323

Serie C, D, E 160321

ERF

Couchette, EC Olympic 160325

Fendt

F 275 GT 160323

Fiat (see Iveco Group)

Ford

Cargo 0709, 0711, 0813, 0915, 1013, 1015, 160371

1113, 1115, 1313, 1315, 1318, 1318 R .

Cargo 1824, 1924, 1928, 2614, 160371

3424, 4028 160371

Courier 160323

FT 9, FT 190 160323

Serie A 160324

..... 160323

H 160322

H Transcont 160371

Tourneo 160323

Transit FT 9, 80, 100, 130, 190 160323

Transit 160323

Freight-Rover

Serie 300 160323

GME

Midi 160322

Rascal 160321

Hanomag-Henschel

F 20, 25, 30, 35 -00.74 160321

F 40, F 85 00.71-00.74 160322

F 161-F 203, F 141-F 500, 160323

F 161 K-F 221 K 00.72- 160323

Transporter TN 00.76- 160323

Hyundai

H 100 00.95- 160322

Ikarus

386, 396, 61, 415, 435, Scania K 112 160330

397.07, Midibus 405 00.94- 160329

IK 190, 271, 521, 557, 577, 543.30 00.73- 160328

International

CO Transtar 11 00.74- 160322

IPV (Mafsa)

85 TT, 110 TT 160321

UT 115, 4 T 115, 177 T, 180 R 160322

DOGA

Wiper Blades for Trucks

Iveco Group

Fiat Magirus, OM

13, 16-65/10, 75/16, 79/14, 80/13, M 100	00.83-	160326
40 NC, 40 NC 35	00.77-	160321
50, 55, 65, 70, 75, 80, 80 NT, 90 NC	00.72-00.77	160322
50, 55, 65, 70, 75, 80, 90, 100, 170 C/N/L	00.77-	160322
50 F8, 100 F13, 159 F17, 20, 160F	00.78-	160322
60, 79 F 10.13, 65, 75, 90 PC	00.76-	160322
60/8, 65/60.10, 65/10, 79/10, 79/12	00.83-	160322
65 NC 10	00.80-	160322
79.75/14, 90/13, 95/14, 109/14, 109/14.1	00.83-	160322
79.14, 79/60, 79/60.14, 79/75, 79/75.10	00.83-	160322
80, 90 F 13	00.72-	160322
80.14 HW, 8016 HW, 110.14	00.83-	160321
90 M, 130 M, 160 M, 320 M	-00.78	160323
90 M, M 6 FK, 160 M 13 FS	00.79-	160326
115/14, 115/14.1, 115/17, 115/17.1	00.83-	160322
120 D, 135 D, 160 D, 170 D	-00.74	160323
130, Serie 160 (O.M.)	00.83-	160322
135/14, 135/14.2, 135/14 BOM, 135/17,		
135/17.2, 135/17.R.R 1,		
135/17.R 1 RIDEM	00.83-	160322
135/17, 145/17 T, Engine front	00.88-	160326
145/17	00.86-	160322
156 D, 180 D, 186 D, 210 D	-00.70	160323
160.R 81 Turbo		160330
165/24, 165/24.R.R 1	00.83-	160322
170 F	00.76-00.77	160322
170 F, NT, 330 F 35	00.77-	160326
170 L, R, TL, TR	00.75-00.79	160328
170 NC	00.76-	160322
170 NT, 170 OM 35	00.75-	160322
170 OM 35	00.79-	160326
175/04, 175/17	00.86-	160322
175/17, 24 T, Engine front	00.88-	160326
180, 190, 260, 4 A, C, N, L, T	00.77-	160322
180, 300, 308 L, 418 AC, 418 AL	00.72-00.77	160322
180.24-240.38		160327
190, 260	00.72-00.77	160322
190, 220, 240.30, 240.38, 260, 330.35	00.83-	160327
190 F, PAC	00.77-	160326
190 OM 35 T	00.79-	160326
190/20 N, 24, 25 AN, 26 N, 26 Turbo,		
30, 32 AH, 33, 33 T, 38, 42, 42 T	00.83-	160326
190/24, 26 T, 30, 32 T, 36, 42,		
Cab. front, Turbo star	00.88-	160326
190.35, 190 F 35 T, 220.35 T, 240.35 ...		160327
220/36 T, cab. front, 38, 38 T	00.88-	160326
232/AHT	00.83-	160326
240/36 Turbo star	00.88-	160326
260 SH, 170	00.81-	160328
260/25 AH, AN, 26 H, 32 AH	00.83-	160326
260/30, 330/30 T, Cab. front	00.88-	160326
280 Avant	00.81-	160323
300 P		160327
305 GT, 308 L, 480 AL, AC	00.77-	160326
310 D, 470, 480 AC/AL, M 120 R	00.78-	160326
315.8.17, 370, Domino, 471, 571, 671	00.82-	160330
320 M	00.79-	160326
330/30 T Cab. front	00.88-	160326
330/36 AHT	00.83-	160326
370.12.76	00.76-	160328
370	00.81-00.82	160329
470, 570, 670, 12.25, N 120 R 81 Turbo	00.81-	160329
619, 684, 697	00.77-	160326
Daily	00.80-	160325
Diono, Cerbiatto, Orsotto		160321
Ducato	00.82-00.94	160323
Duty	00.91-	160325
Eikher Schlepper	00.75-	160321

Euro Cargo (6-10 T), Eurostar,		
Eurotech, Eurotrækker	00.91-	160370
Lupetto, Titano N 150, NS 150		160321
M 80 D, M 100 D, M 110 D, M 120 D	-00.75	160321
M 130 D, M 160 D, M 170 D, M 232 D,		
M 256 D	00.77-	160326
M 130 D, M 160 D, M 170 D, M 310 D	00.75-	160325
M 170 SH, M 200 SH 110 U	00.73-00.78	160328
M 200 L, R, T, M 230 L, R, T	00.75-00.78	160328
M 232 D	00.71-00.74	160325
M 260 L	00.77-	160328
M 270 D	00.75-00.78	160325
	00.77-00.78	160326
M 2000 12 M Turbo	00.81-	160330
M 2000 HD	00.82-	160330
MS 200, 300 Midliner	00.79-	160323
NKW 80/13, 80/16	00.82-	160327
Talento	00.89-	160323
Turbo, Turbo Star, Turbo Tech	00.91-	160371

Kässbohrer

Flexmobil	00.85-	160323
PB 36.170 DR-39.170 DR	00.81-	160327
PB 42.240 D	00.88-	160329
Pistenbully	00.80-	160327
S 9-S 14, S 80-S 150	00.87-	160323
S 80, 110, 120, 130, 150	-00.77	160323
S 130 S, 140 ES	00.77-	160326
S 208 A	00.80-	160329
S 210 H, Real, S 215 HM Optimal,		
S 210 H, HD, S 215 Int., S 213 HR-S		
215 RL Rational, S 215 UL-SG 221 UL		
Regional, SG 215, S 216 HDS Royal,		
S 216 HDS International, Conceptbus		160330
S 211-S 215 H/HD	00.77-	160330
S 211, S 213 HR, S 215 H, S215 HD,		
S 215 HM		160330
S 213 HE	00.87-	160329
S 215 RL, S 216 HDH, S 215 UL,		
S 216 HDS		160330
SG 215 SL, SG 219 SL, S 300 NC		160330
S 228 DT Internal/Imperial		160329
S 228 DT, S 300 N	00.92-	160329
U 80 (ONV)	00.80-	160329
Standard Bus	00.78-	160330

Kia

Besta	00.79-	160322
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Leyland

19/28 Roadtrain, 26-26 Scammel	00.84-	160371
7/10 CWT Van	00.72-	160321
Atlanteam Bus, National, Triton	00.77-	160371
Bison, Buffalo, Linx	00.65-00.77	160324
Bison 2, Optopus 2	00.78-	160371
Cruiser, Freight, Landtrain, Olympia,		
Roadtrain, Construct.	00.80-	160371
Marathon, Marathon 2	00.74-	160371
RR. T 350, T 45, T 45T	00.84-	160371
Royal Tiger B 54	00.83-	160330
Serie 300	00.86-	160323

Mack

MS 200, 300 Midliner	00.79-	160323
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Magirus (see Iveco)

Man-Büssing

1 M/V 160, 230 R 14	00.72-00.75	160323
4.70 F, 5.70 F, 6.90 F, 7.90 F, 7.136, 9.136 F		160321

DOGA

Wiper Blades for Trucks

5.126 F, 6.126 F, 7.126 F, 8.126 F,	
8.160 F, 9.160 F, 9.186 F, 10.126 F ...	00.67-
6.90, 8.90, 8.136 FZ, 9.136/10.136 F	00.80-
6.100, 8.100, 8.150, 9.150, 10.150	00.88-
7.126 F-32.280 H, DH	-00.79
12.152 FL-17.232 FL, (M90)	
19.242-48.462 (F90)	00.86-
12.170 F, 14.192 F, 19.361 F, FLT,	
41.321/VFAK	00.85-
12.192 F, 38.320 F, DT, FT, FNL,	
FVLS, U, UK, UNL	-00.74
12.192 F	00.74-
17.240, 19.240, 29.281, 19.321,	
26.240, 26.281, 32.281, 32.321,	
Cab. Semi Front	00.88-
32.291, DFAK, 32.331 DFA	00.86-
D 80, G 80, S 80	-00.84
D 80, G 80, S 80, Ü 80, NL 202 (ÜNV II) ..	00.84-
Economy Bus	
F 2000	00.95-
(M90)	00.88-
NG 272, NM 152	00.89-
RÜ 240, SÜ 242, SR 292 R, SR 362 FRH	00.85-
Serie G 90	00.91-
SD 200, SL 200, SÜ 240	-00.84
SG 192, SL 160, SL 192	-00.76
SG 220, SG 240	00.81-
SG 242/SG 292 (ÖNV II)	00.85-
SL 202, SÜ 240, SÜ 242	00.85-00.87
SR 240, SRR 280, SR 280 H	00.77-
SR 292 R, SR 362 FRH	00.85-
SR 321 FHR	00.81-
ÜL 272	00.87-
Mazda	
E 200	00.84-
Series B, E	00.95-
T 2500, T 3000	00.81-
Mercedes	
206, 207, 306, 307	00.71-00.77
206, 207, 306, 307	00.73-00.77
207 D, 208, 307 D, 308	00.77-00.82
209 D, 309 D, 407 D, 408, 409 D, 410	00.83-
210, 310	00.82-
307 D, 407 D, 409 D, 608 D, 0309	00.85-
509 D, 609 D, 709 D, 809 D	00.86-
613 D	-00.85
709, 711 D, 809, 811 D	
813, 913	-00.84
814, 817, 914, 1114, 1117, 1314	00.84-
1013, 1017, 1213, 1217, 1219	00.75-
1013 L, 1113, 1213	00.76-00.84
1222	00.83-
1320 L-S	00.85-
1413, 1613	-00.84
1414, 1417, 1617	00.84-
1419, 1619, 2219	-00.83
1422, 1425 S, 1622, 1625, 1922 K, 2225 ..	00.83-
1618	00.95-
1619 L	-00.77
1626, 1632, 1719	00.73-
1633, S, 1933 S, 1938, S, 2233, S,	
1928, 1933 S, 2628	00.80-
1935, 1944, 2035	00.86-
1936, 2233, 2636, 3336	00.81-
1938 S-3850 AS	00.85-
2032, 2224, 2232	00.73-
2219 L	-00.76
2238, S, 2633, 2638	00.80-
2635, 2644	00.86-

Actros	00.96-	160411
Atego	00.98-	160370
L-Q 310	00.80-	160325
MB 90, 100, 130, 140, 150, 170, 180 ...	-00.86	160322
MB 100, 120, 140, 160, 180, D	00.87-	160323
MB Trac 65/70	-00.75	160321
MB Trac 700, 800, 900	00.81-	160323
O 301-LN 2	00.85-00.86	160369
.....	00.86-	160369
O 303	00.74-00.79	160328
.....	00.79-	160330
.....	-00.93	160330
O 309 D, L 406 D, L 407 D	00.74-	160323
O 310	00.80-	160325
O 402, O 405, O 407 (ÖNV II)	00.85-	160329
O 407 Ü	00.87-	160330
O 408	00.89-	160330
O 614 D	00.89-	160369
City Liner 809, 1524	00.95-	160369
Powerliner 1820-1834, 2031-3350,		
Fredliner, Roadliner, Proliner	00.95-	160370
Series 300 D, 400 D	00.91-	160323
Series LK, LN (709-1320)	00.84-00.86	160369
Series LK (507D-709D-817D-1520D)	00.86-	160369
Serie SK 1013-3336 (Typ 641/649)	00.89-	160370
U 45, 52, 54, 55, 60, 66, 72, 80	00.66-00.76	160321
U 80 - 1700 L		160323
U 84, 100, 110, 508 D	00.69-00.76	160323
U 90, 125	00.69-00.77	160321
U 600, U 800	00.77-	160321
U 900, 1000, 1100	-00.87	160321
U 1000, U 1100, U 1250, U 1300,		
U 1500, U 1700	00.76-	160323
Mitsubishi		
Canter 35, 46, 50	00.80-	160321
Fuso	00.76-	160321
L 200, L 300	00.80-	160321
Neoplan		
N 407SKI, N 409, Standardlinie SL II,		
Überland SU, Linien Schubgel SG,		
SUG, N 424/N 426	00.81-	160329
Cityliner	-00.82	160328
N 116	00.82-	160328
N 116, Spaceliner N 117/Reisebus,		
Clubliner N 122/2, Skyliner N 122,		
Jumbocruiser N 138	00.86-	160329
Combiliner		160330
N 316		160328
D.SD/2-SD/3, Standard Kleinbus,		
N 407 SKI, N 409, Linien S.SG, SÜG ..	00.81-	160329
Jetliner	00.81-	160328
N 208-N 216, N 416 M/MK,		
Clubliner N 122/2	00.81-	160330
Jumbocruiser N 138		160330
Kombi Metroliner N 316	00.85-	160330
N 4007-N 4021	00.87-	160329
Omnibus	00.76-00.81	160328
Skyliner 122/3, Spaceliner, N 117/2, 3	00.88-	160328
Standardlinie SL II, Überland SÜ,		
Linien, Standardbus N 409	00.87-	160329
SU N 416		160330
Unibus N 906, N 907, Cityliner N 116H,		
SD/2-SD/3 N 12/4, N 4010 NF,		
N 4014 NF DE, N 4020 NF		160329

Wiper Blades for Trucks

Nissan

ECO-T (100,135)	00.96-	160323
Mods. L		160322
Mods. M, Trade 2.0, 2.8		160323
Vanette	00.81-00.84	160321
.....	00.85-	160322

OM (see Iveco)

Opel

Combo	00.95-	160322
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Pegaso

217, 415, 515	00.85-	160321
1061, 1063, 1064, 1066, 2011, 2040, 2041, 3060, 3075		160321
1080, 1083, 1086, 1135, 1145, 1180, 1183, 1184, 1186, 1187, 1190, 2080, 2082, 2089, 2135, 2180, 2181, 2182, 2189, 2190, 3088, 3180, 3181, 3188, 3189	-00.85	160323
1214, 1216, 1217, 1223, 1231, 1234, 1234 R, 1331, 1431, 1434, 2217, 2323, 2331, 2431	00.85-	160323
Autobuses 5023, 5031, 5062, 5080		160322
Autobuses 6420	00.85-	160328
Autocares S 215, 5036 S/1, 6046/1,		160330
6100 S	00.85-	160328
Autocares 5031, 5123	00.85-	160325
Duty	00.91-	160325
Ekus	00.86-	160323
Furgón Capitone 75.35, 1215.9, Combi 75.28, Furgón 75.32, 1210.6, 100.35, cab. doble 100.50		160323
Mider	00.91-	160323

Peugeot

Boxer	00.95-	160323
J 5	00.82-	160323
J 7, J 9	00.74-	160321

Renault

Express	00.86-	160322
Master	00.82-	160326
.....	00.95-	160325
Trafic	00.95-	160323

R.V.I. (Renault, Berliet, Saviem)

10 K, 880 K, 30 KV	00.69-00.73	160322
90 B, 130 B, 140 B, 150 B-T 3, JK-JN 55, 60, 65, 75, 80, 85, 90, 95, J, S, C (Serie)	00.75-	160323
180 K, 350 K, 350 KE		160322
350, 950 KB, KBT	00.73-00.75	160322
951 KB, KBT, GC, GF, GR, 190	00.75-	160322
9000		160321
15168 HA, 19168 H 17	00.75-	160321
26240 DHPM, 32256 DHA	00.74-	160321
Autocares D 300	00.85-	160330
Cruiser 2, 3, SGMV 6		160371
B 70	00.82-	160326
Bus D 300	00.85-	160330
D 45 GT, 53 M, 105 M	00.65-00.70	160321
D 170.14, D 170.17, D 210.20, D 230.20, . D 230.26, D 270.34, D 270 T, D 320.34, D 320.37, D 320.38, D 320 T		160322
DR 340.20, DR 340.26, DR 340.35, DR 340.38, DR 340 T		160323
DG 290-T		160326
E 7 C, L, M, N	00.77-	160326
FB/FC 30 Furgón	00.79-	160326

FR 1 (GT), R 312	00.83-	160330
G 45, G 105		160326
GAK, GB 0	00.61-	160321
GB (Serie), Berliet-Saviem	00.71-00.78	160321
GBC, 8, 8 M 3	00.65-00.71	160321
GBE, GBH, GBK, GCK, GFK 10	00.68-00.74	160321
GL, GLC, GLM, GLR	00.62-00.75	160321
GR 205, 260, 280, 305, 320, GRH 230	00.70-00.75	160322
L 62, L 64 (Serie)	-00.78	160321
Manager (Serie G)	00.94-	160369
Master	00.82-	160326
(Serie G)	00.94-	160369
Messenger (Serie B)	00.89-	160325
Midliner (Serie S, M)	00.94-	160369
MS 250	00.80-	160323
OK 12 V, 05 K, OR 35		160322
PH 3, PH 4, PH Airland		160322
PM, PMH	00.63-	160321
PR (Serie)		160326
PR 10, 12, 14, 110		160371
PR 100, 100 MI, 180	00.83-	160328
PR 100.2	00.88-	160328
PS 30	00.77-	160323
R 310, R 360, R 370	00.80-	160323
R 310, R 310T, R 360, R 360T	00.83-	160322
S 5, 6, 7, 8	-00.75	160321
S 90, S 130, S 150, S 170	00.75-	160323
S 100, S 110, S 130, S 150, S 170	-00.88	160325
S 130/11/13/109, S 170/14, Turbo	00.82-	160322
S 170.15 (Gama)		160323
SB 2, SG 1, SG 2, SG 3, SG 4, SG 5	00.62-	160321
SC 10	00.77-	160328
Serie AE	00.91-	160324
Serie B, T 35 D	00.89-	160325
Serie D Turbo	00.83-	160322
Serie G, GD	00.91-	160324
Serie R	00.91-	160323
SM 5, 6, 7, 8	00.68-	160321
SM 10, SM 12	-00.75	160323
SM 10, SM 12, SM 13	00.75-	160323
SM 170, 200, 240, 250, 260, 280, 300, 320, 340	-00.79	160323
S-SP 5, S-SP 6, S 7, S-SP 8	00.75-	160323
Serie AE Magnum	00.91-	160328
Stradir LNXLO, XL 50	00.60-00.71	160322
T 1400 D	00.91-	160323
TAK	00.66-	160321
TBH 12, 260, 280, TB o 15 M		160322
THR 305, 320, 350	-00.75	160322
TBK, TCK, TLM, TLR, TR, TRK	00.62-	160321
TLM 10, 12, 15, TLR 250, 260, 280, 300		160322
TR 260, 280, 300, 305, 320	00.70-00.75	160322
TP 2, TP 3, TRB, TRM 4000, 9000		160321
Tracer		160330
Cruiser 2, 3, SGMV 6		160371

Saurer

D 90, F, N, D 330 B, Cab. front	00.77-	160326
Engine front	00.72-	160321
Standardbus		160326

Sava

211, 221, S 211, S 213, S 350 A, 400 F, S 411, S 450, 504 A, S 511, A 551		160321
LDO 5, Cosmos 5721, 5723	00.76-	160322
S 350 A, S 400 F, S 450, S 504, 212	00.76-	160322

DOGA

Wiper Blades for Trucks

Scania

112	00.86-	160330
2000, 2200, 3500	00.74-	160321
BR 85, CR 85 Super	00.73-	160328
BR 116	00.79-	160328
C 145	00.71-	160328
Cabinas mods. CP, CR CT	00.95-	160325
CN 112, 116	00.84-	160328
CR 76, 110 Bus	00.75-	160324
G, P, R, T82, T92, T112, T142	-00.88	160325
K 113 CL	00.88-	160328
L, LB, LBS, LBT, LB 81, LS 86	00.75-00.80	160323
L, LB, LS, LBS 140, Super	-00.77	160323
L, LS 140, LBT 140, LB 81, LT 146, Super		160323
L, LS 140, LT 146, 146 KT	00.77-	160323
LB, LBS, LBT 110	-00.74	160323
LB 80, LB 85, Super	-00.75	160323
LS 141	00.77-00.80	160323
LT 111, Super	00.75-00.80	160323
Series 93, 113, 143	00.88-	160325

Seat

Inca (driver side)	00.95-	160323
(passenger side)	00.95-	160322
Trans, Terra		160321

Setra-Kässbohrer

Pistenbully	00.80-	160321
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Steyr-Daimler-Puch

9 S 14-16 S 21	00.86-	160323
19 S 24-40 S 37	00.87-	160323
145, 791	00.78-	160323
561, 691	00.84-00.86	160323
590, 591, 690, 691, Pinzgauer, Veb (4x4) ..		160322
790, 890, 990, 1290, 1390, 1490, 1890	00.74-	160323
791, 891, 991, 1291, 1491, 1891, 2891	00.80-	160323
City Bus CS 6 F 55	00.75-	160328

Tatra

613	00.76-	160321
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Titan

TF 3000 (10x8)		160325
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Toyota

Dyna, Hi-Ace, Hilux, Lite-Ace	00.79-	160321
Dyna	00.95-	160321
Hi-Ace	00.95-	160323

URO

TT U 12, TT U 14		160322
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Van Hool

Alizée T 815 H, Astromega TD 824	00.86-	160330
Standardbus		160326

Volvo

BM, LM, 845/1240	00.70-00.72	160321
B 10 M, B 12		160329
M/C 10 M	00.86-	160330
CH 230		160325
F, FB 86	00.73-	160322
F, FB 88, F 89, G 88, G 89		160322
F 6, F 7, F 10, F 12, F 16	00.77-	160325
F 85, 86, 88, 89	00.72-	160322
F 406, 407, 408, 409, 609, 610,		
611, 613, 614, 616	00.75-00.85	160325
FH 12, FH 16	00.95-	160370
FL 4, 408, 611, 614, 616	00.85-	160326
FL 6, FS 7	00.95-	160369

FL 7, FL 10, FL 12	00.95-	160411
N 7 (4X2), Turbo 6	00.80-	160321
N 7, N 10, N 12	00.74-	160321

VW

6.90 F - 10150 FK	00.79-	160323
Bully	-00.83	160323
Caddy (driver side)	00.95-	160323
(passenger side)	00.95-	160322
Danbury	00.80-	160322
LT 28, LT 55	00.75-00.82	160323
LT	00.91-	160322
Transp., Bus	00.67-00.79	160321
.....	00.79-	160322

Also see Cross Reference List page 117

APPLICATIONS LIST





CROSS REFERENCE LIST

PART 7 **4th Edition**



ISO/TS 16949:2002 certified supplier

CROSS REFERENCE LIST



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AC DELCO	Cargo		Cargo		Cargo		Cargo
FE20015-12B1	070174	0580254017	070122	0580254991	070122	0580463011	070053
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ACE		0580254020	070122	0580254996	070065	0580463013	070053
S-5350	150407	0580254023	070122	0580303005	070194	0580463014	070053
		0580254024	070122	0580303025	070198	0580463015	070053
ALFA ROMEO		0580254025	070122	0580303026	070194	0580463016	070053
547812	070127	0580254026	070122	0580310006	070195	0580463017	070053
605183220	070054	0580254031	070122	0580310007	070195	0580464008	070053
605219920	070054	0580254032	070122	0580313034	070170	0580464010	070053
605376110	070127	0580254033	070121	0580314068	070195	0580464011	070053
605460910	070053	0580254034	070122	0580453012	070178	0580464013	070053
113540402100	070054	0580254035	070122	0580453013	070178	0580464014	070053
116110402100	070053	0580254036	070122	0580453016	070135	0580464015	070053
116460102100	070054	0580254037	070122	0580453017	070135	0580464016	070053
116460402100	070054	0580254038	070122	0580453019	070140	0580464017	070054
119110402100	070053	0580254039	070122	0580453021	070140	0580464019	070053
		0580254040	070122	0580453041	070195	0580464020	070054
BMW		0580254041	070122	0580453045	070125	0580464021	070054
1115862	070053	0580254042	070122	0580453046	070195	0580464022	070054
1150201	070060	0580254043	070122	0580453053	070142	0580464023	070053
1178751	040195	0580254909	070060	0580453054	070195	0580464024	070054
1179232	070053	0580254910	070061	0580453058	070195	0580464025	070054
13312204346	070065	0580254911	070062	0580453060	070195	0580464027	070054
16121115862	070053	0580254921	070061	0580453070	070195	0580464028	070054
16121118344	070065	0580254922	070061	0580453076	070053	0580464029	070059
16121150201	070060	0580254927	070061	0580453081	070195	0580464030	070062
16141178751	070053	0580254928	070061	0580453328	070132	0580464032	070053
16141178839	070074	0580254929	070061	0580453329	070130	0580464033	070053
16141179232	070053	0580254930	070061	0580453330	070128	0580464034	070062
16141179415	070142	0580254931	070060	0580453332	070128	0580464037	070054
16141179992	070140	0580254932	070060	0580453402	070097	0580464038	070053
16141180318	070140	0580254934	070075	0580453408	070133	0580464039	070059
16141180504	070142	0580254935	070063	0580453412	070131	0580464040	070062
16141181354	070074	0580254937	070060	0580453420	070170	0580464041	070062
16141182842	070085	0580254941	070061	0580453423	070129	0580464042	070054
16141183139	070142	0580254942	070061	0580453424	070129	0580464044	070054
16144138604	070074	0580254943	070061	0580453427	070133	0580464045	070054
61661367616	160197	0580254945	070061	0580453460	070133	0580464048	070053
61661368569	160197	0580254946	070062	0580453465	070133	0580464050	070053
61661368585	160197	0580254948	070063	0580453485	070129	0580464055	070059
61661368589	160197	0580254949	070060	0580453486	070129	0580464056	070059
61661380066	160197	0580254951	070062	0580453502	070126	0580464069	070054
64111385124	160516	0580254952	070061	0580453507	070123	0580464070	070053
64111385129	160516	0580254956	070061	0580453508	070126	0580464995	070074
64118372493	160517	0580254957	070060	0580453509	070123	0580810046	070053
64118390851	160517	0580254958	070060	0580453514	070126	0584640020	070053
		0580254959	070060	0580453516	070123	0986580011	070108
BOSCH		0580254960	070060	0580453906	070071	0986580012	070096
0130007001	160674	0580254961	070060	0580453911	070127	0986580013	070089
0130007015	160675	0580254962	070060	0580453914	070073	0986580174	070168
0130007304	160624	0580254963	070060	0580453915	070073	0986580256	070164
0130007308	160625	0580254964	070060	0580453916	070071	0986580260	070197
0130111003	160622	0580254965	070060	0580453917	070071	9580810046	070053
0130111019	160623	0580254966	070060	0580453918	070071		
0130111156	160709	0580254967	070060	0580453919	070071	CHEVROLET	
0130111162	160710	0580254968	070060	0580453920	070072	93238459	070133
0390242409	160704	0580254969	070060	0580453921	070072		
0392020024	070192	0580254970	070060	0580453922	070073	CHRYSLER	
0580254002	070060	0580254971	070060	0580453923	070073	4419618	070119
0580254003	070122	0580254972	070060	0580453924	070072	4762964	070089
0580254005	070122	0580254973	070061	0580453925	070072	4798941	070089
0580254006	070122	0580254974	070061	0580453928	070071	5217852	070119
0580254008	070120	0580254975	070064	0580453929	070071	5217855	070119
0580254009	070120	0580254976	070065	0580453933	070072	5217856	070119
0580254010	070120	0580254980	070060	0580453935	070124	52018387	070089
0580254012	070121	0580254981	070060	0580453966	070124	52018390	070089
0580254013	070120	0580254982	070065	0580453976	070124	52018391	070089
0580254014	070122	0580254984	070065	0580453981	070124	52018796	070089
0580254015	070122	0580254988	070122	0580453984	070124	AW332718	070089
0580254016	070122	0580254989	070122	0580453985	070124	AW334174	070089
		0580254990	070065	0580463010	070053	AW337327	070089

CROSS REFERENCE LIST



CHRYSLER		Cargo	CHRYSLER		Cargo	CHRYSLER		Cargo
<i>continued</i>			133.9020.UC.04	500	40159E	070058	6443333	070139
AW362718	070089	133.9022.UC.04	480	476087E	070003	6882135	160693	
MB658436	070089	133.9024.UC.04	700	Q-40104	070189	6882136	160694	
MB678038	070089	133.9027.UC.04	450	Q-40106	070188	7003178	160535	
MB698623	070089	133.9032.UB.04	S4545			7188531	160550	
MB831333	070089	133.9033.UB.04	S4848	FERRARI		7188532	160550	
MB959847	070089	133.9034.UB.04	S5045	113976	070064	9968969	160647	
MR134284	070089	133.9035.UB.04	S5050	119291	070061	75TM9350AA	070065	
MR134806	070089	133.9036.UB.04	S5550	129343	070122	78GB9350AA	070064	
MR241080	070089	133.9037.UB.04	6055			82GB9350AA	070061	
MR241351	070089	134.9001.UC.04	400	FIAT		83BB9350AA	070061	
MR241394	070089	134.9002.UC.04	280	4379249	160327	84BB9350AA	070061	
		134.9003.UC.04	330	4384372	160327	85BB9350AA	070055	
DAEWOO		161.3101.2B.09	160004	4421193	070053	85GB9350BA	070055	
92927023	070053	162.4102.2B.00	160005	4429209	070053	85GB9350AA	070055	
		162.4102.3B.00	160006	4460210	070053	86BB9350AA	070055	
DAIHATSU		B280	280	4460464	070053	86GB9350BA	070055	
23100-87737-000	070088	B330	330	4460646	070053	86VB17K624AA	160535	
23210-87103-000	070088	B400	400	5979027	160197	87AB17K624AC	160535	
		B450	450	6081037	070053	91AB9H307	070139	
DELCO REMY USA		B480	480	7554136	070054	92VW8502AA	070192	
15-8345	160250	B500	500	7555130	070126	93BW18456BB	160694	
		B530	530	7597693	070054	95NW18456BB	160550	
DOGA		B530S	S530	7618893	160376	95NW18456CB	160550	
280	280	B550	550	7635535	070053	95VW8502BA	070192	
330	330	B550S	S550	7742416	070113	95VW8502AA	070192	
400	400	B600	600	7747117	070112	96VW9H307BB	070171	
450	450	B600S	S600	7750715	070113	96VW9H307CB	070171	
480	480	B650	650	7760923	070112	97BW18456BA	160694	
500	500	B650S	S650	7789626	070133	97BW18456AA	160693	
530	530	B700	700	7796614	070124	E7FZ-9H307D	070111	
550	550	FU48	S4848	7799543	070126	E89Z9H307D	070111	
600	600	FU50	S5050	44606460	070053	F0TZ-9H307L	070111	
650	650	P100	160330	46443793	160197	F2AZ9A407A	070089	
700	700	P40	160321	60518322	070054	F2VY9A407A	070089	
6055	6055	P45	160322	60537611	070127	F75Z9A407BA	070089	
100.5003.09.00	160616	P50.1	160323	60546091	070053	F75Z9A407DA	070089	
100.5014.09.00	160617	P50.2	160324	60779188	070054	F75Z9A407EA	070089	
100.5020.09.00	160618	P60.1	160325	60808979	160197	F75Z9A407FA	070089	
100.5050.09.00	160614	P60.2	130326	82308678	070053	F75Z9A407AA	070089	
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VA10-AP9C-25S	*160536	402227	160031	UNIPOINT		191906090	070073
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