

Includes pump modules

Diesel applications

Module repair kits



Electric Fuel Pumps

2009



BOSCH

Invented for life

Invented for Life



From the very beginning, Bosch's history has been characterised by a drive for innovation and social commitment. Environmental and social responsibilities are core values at Bosch. Our slogan "Invented for life" conveys the ambitious standards we have set ourselves and the values that we have long stood for. "Invented for life" stands for reliable technology designed and built to last. At the same time it embodies innovations and technology that contribute to the conservation of resources, sustainable development, and helping people improve their quality of life.

The Robert Bosch Stiftung (Robert Bosch Foundation) was established in 1964 to keep alive the philanthropic and social endeavours of its founder Robert Bosch. Through its programs and institutes, the foundation has since issued 840 million euros in project funds. In 2007, it made available 58.9 million euros for non-profit projects. Education, international understanding, and public welfare are the top priorities stated in Robert Bosch's will and are the pillars of our work today.

Responsibility for the environment is a core value at Bosch and is firmly anchored in our principles for safety and environmental

protection. Our environmental focuses are on renewable energies, energy efficiency, and emissions reduction. At Bosch we believe we have an obligation to develop innovative and beneficial technology and in order to meet such demands, considerable amounts of money are spent each year on research and development. We employ more than 25,000 research and development associates worldwide, all working towards the creation of technology that is innovative, beneficial and environmentally friendly.

Electric Fuel Pumps

Product Range

- A2** The Bosch Automotive Story
- A4** Electric Fuel Pump: Technical features
- A5** In-tank Unit: Technical features
- A6** Short number cross reference
- A8** The history of fuel supply and control
- A9** Saddle-type fuel-tank applications
- A10** The complete program from the system specialists
- A11** The Universal Program: 7 instead of 72
- A12** The Universal Program: 7 instead of 72 - Technical data
- A13** The Universal Program: 7 instead of 72 - Cross-reference
- A14** The new kits: The clever way to repair fuel-delivery modules
- A16** Range overview, Fuel pumps & In-tank units
- A60** Product Warning
- A61** Fuel Pump Technical Data
- A62** EFI Fuel Pressure Testing Procedures
- A64** K-Jetronic Fuel Pressure Testing Procedures
- A66** General Warranty Information

Application

- B1** Technical information
- B2** Passenger cars/Light Commercial vehicles
- B40** Special cases and icon definitions



The Bosch Automotive Story



The Bosch Group is a leading global supplier of technology and services, with more than 300 subsidiaries and regional companies in over 50 countries.

The beginnings were humble. In 1898 Robert Bosch developed a magneto ignition device and adapted it to suit a vehicle engine. In doing this he developed the first reliable ignition system, solving one of the greatest technical problems faced by the automotive industry at that time. This key innovation was the first chapter in the success story of Bosch as an automotive supplier.

From 1902 Bosch developed a high voltage magneto ignition system incorporating spark plugs. While the magneto ignition has long since been replaced by battery ignition systems, Bosch today manufactures more than 300 million spark plugs per year, using the very latest precious metal technology.

As cars became a product for the masses, Bosch recognised the prospects for developing motor vehicle lighting. Research in this area resulted in the launch of the Bosch automotive lighting system, comprising of headlights, a generator, a regulator and a battery. This was a significant milestone for both Bosch and the industry, being the first all-in-one system available to consumers, and also the basis for components such as starters, horns, windshield wipers, indicators and car heating systems to be developed and added to the business.

From about 1920, the growth of diesel engines in trucks was a concern at Bosch, because diesel engines did not need an ignition system, the company's main sales driver. To capitalise on this technological advance, Bosch began developing diesel injection pumps and in 1936 launched the first diesel injection pump for passenger cars. Today, Bosch is the global leader in diesel technology, whether it be for passenger cars, trucks or injection systems for ships.

In the years that followed, Bosch made numerous developments with other automotive products. Gasoline injection systems were developed from

1935 and by 1967 had all but displaced the carburettor. Braking systems have also been part of the Bosch offering since 1927. The introduction of the Bosch ABS antilock braking system in 1978 was a significant development in vehicle safety, laying a foundation for the development of further systems, such as Traction Control and the Electronic Stability Program (ESP®).

In today's market, vehicle manufacturers and service organisations face the worldwide challenge of efficient service for highly evolved vehicle systems. This includes not only mastering the electronic systems in today's automobiles, but also utilising the latest state-of-the-art diagnostics technologies to improve servicing efficiencies. The growing range of Bosch diagnostic and service equipment delivers a sophisticated solution for today's workshops to meet these challenges.

Bosch spends billions of dollars annually in research and development to preserve its position as a technological leader. The company's technological competence is evident in the fact that Bosch is world leader in the number of automotive technology patent applications it submits each year. Every hour Bosch research teams create new patents to make Bosch products safer, more efficient and more environmentally friendly.

As one of the world's largest independent manufacturers of automotive parts and systems, Bosch products and technology, supplied through a global network of factories, can be found on virtually every make of car currently produced throughout the world. This strong link to original equipment development and innovation means Bosch is able to deliver a superior aftermarket offering to its customers.

With most vehicles on the road incorporating many Bosch manufactured components, it made sense for Bosch to support these products with local service centres. Bosch Authorised Service Dealers are a group of over 14,000 independent workshops worldwide, offering the latest technical expertise, tools and equipment to motorists.



In just over a hundred years, Bosch successfully transformed from a small automotive supplier into a modern, multinational group, which today has a workforce of more than 270,000 people worldwide.

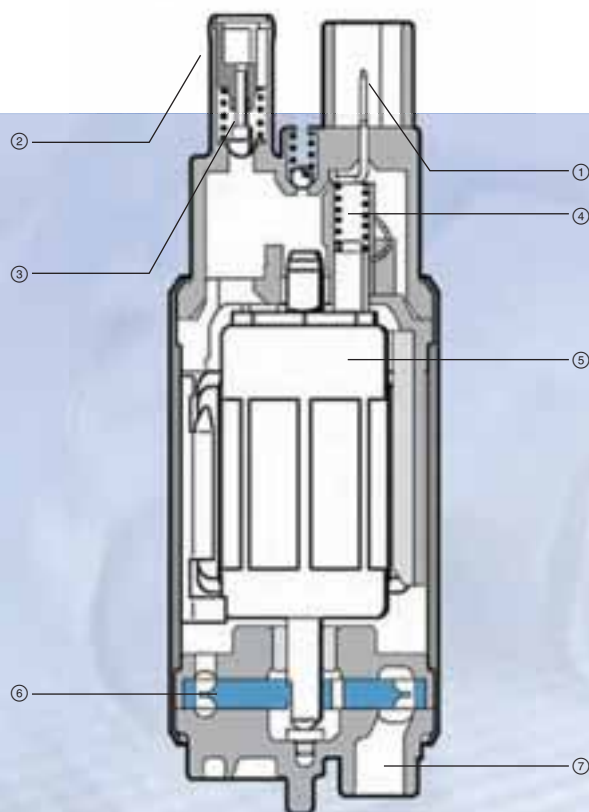
Bosch employs over 2,300 associates in Australia and New Zealand with activities spanning three business sectors: Automotive Technology, Consumer Goods and Building Materials, and Industrial Technology.

During the past five decades Bosch has grown into a major force in the Australian automotive industry. Today, Robert Bosch Australia is no longer a local company manufacturing automotive components only for Australian customers. It is truly an integrated member of the Bosch global network supplying overseas customers in Europe, Asia and America.

In the automotive industry the name Bosch is now synonymous with leading technology, sophisticated service solutions and high quality replacement parts.



Electric fuel pump: Technical features

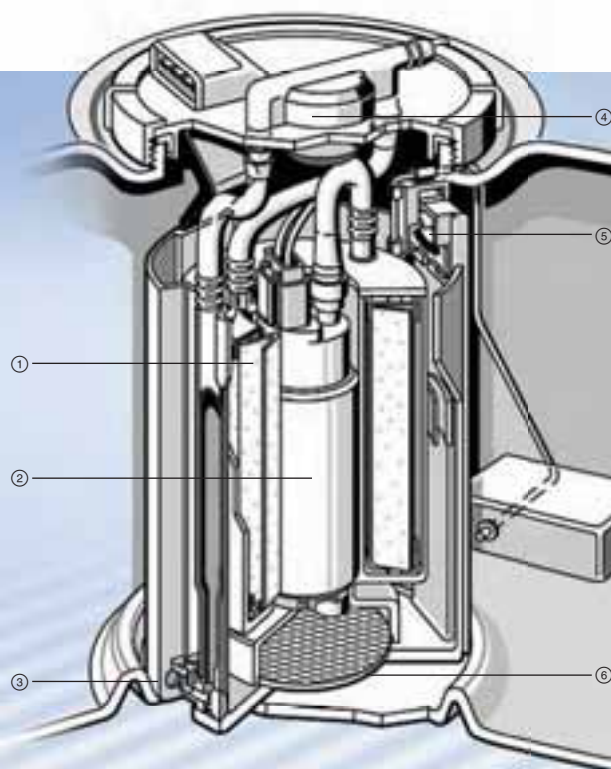


Irrespective of operating conditions, the electric fuel pump must supply the engine with sufficient fuel at the correct pressure for injection. Apart from this, the electric fuel pump is also being used increasingly as the pre-supply pump in modern direct-injection systems. This applies to both gasoline and diesel engines. The most important demands are:

- ▶ Delivery quantities between 60 and 200 l/h at rated voltage
- ▶ Fuel-system pressures between 300 and 450 kPa (3...4.5 bar)
- ▶ System pressure must be generated as from 50 to 60% of rated voltage. This is decisive for cold-start operation

- ① Electrical connection
- ② Hydraulic connection (fuel outlet)
- ③ Non-return valve
- ④ Carbon brushes
- ⑤ Motor armature with permanent magnet
- ⑥ Flow-type pump impeller
- ⑦ Hydraulic connection (fuel inlet)

In-tank unit: Technical features



Originally, when electronic gasoline injection was first introduced, the electric fuel pump was always mounted away from the fuel tank in the fuel line (“in-line”). Today the majority of the pumps are installed in the fuel tank (“in-tank”).

In such cases, the fuel pump is part of the in-tank unit, also known as the fuel-delivery module. In future, additional functions will be integrated in the fuel-delivery module. For instance, diagnosis devices for detecting tank leakage, and the timing module for controlling the electric fuel pump.

- ① Fuel filter
- ② Electric fuel pump
- ③ Jet pump (closed-loop controlled)
- ④ Fuel-pressure regulator
- ⑤ Fuel-level sensor
- ⑥ Preliminary filter

Short number cross reference guide



10 Digit to Short Number

10 Digit Number	Short Number	Description
0 580 314 068	BFP081	FUEL PUMP KIT [IN-TANK]
0 580 314 070	BFP019	FUEL PUMP KIT [IN-TANK]
0 580 314 076	BFP053	FUEL PUMP KIT [IN-TANK]
0 580 314 077	BFP077	FUEL PUMP KIT [IN-TANK]
0 580 314 097	BFP097	FUEL PUMP KIT [IN-TANK]
0 580 314 153	BFP507	FUEL PUMP KIT [IN-TANK] Low Press
0 580 314 154	BFP509	FUEL PUMP KIT [IN-TANK] Low Press
0 580 464 070	BFP070	FUEL PUMP [EXTERNAL] High Press
0 986 580 009	BFP009	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 011	BFP011	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 012	BFP012	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 013	BFP013	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 018	BFP018	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 023	BFP023	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 026	BFP026	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 027	BFP238	FUEL PUMP KIT [IN-TANK] - 38 mm Dia
0 986 580 034	BFP034	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 048	BFP014	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 056	BFP056	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 057	BFP005	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 059	BFP007	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 063	BFP015	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 082	BFP064	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
0 986 580 092	BFP241	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
1 704 261 075	BFP075	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
1 704 261 239	BFP239	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
F 000 TE1 07F	BFP100	FUEL PUMP MODULE REPAIR KIT
F 000 TE1 07G	BFP101	FUEL PUMP MODULE REPAIR KIT
F 000 TE1 07H	BFP102	FUEL PUMP MODULE REPAIR KIT
F 000 TE1 07J	BFP103	FUEL PUMP MODULE REPAIR KIT
F 000 TE1 07K	BFP104	FUEL PUMP MODULE REPAIR KIT
F 000 TE1 07M	BFP105	FUEL PUMP KIT [IN-TANK]
F 000 TE1 07N	BFP106	FUEL PUMP KIT [IN-TANK]
F 000 TE1 772	BFP772	FUEL PUMP KIT [IN-TANK]
F 005 X11 470	BFP470	FUEL PUMP MODULE
F 005 X11 472	BFP472	FUEL PUMP KIT [IN-TANK]
F 005 X11 473	BFP473	FUEL PUMP KIT [IN-TANK] - 38 mm Dia
F 005 X11 474	BFP474	FUEL PUMP KIT [IN-TANK] - 38 mm Dia



Short number cross reference guide

Short Number to 10 Digit



Short Number	10 Digit Number	Description
BFP005	0 986 580 057	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP007	0 986 580 059	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP009	0 986 580 009	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP011	0 986 580 011	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP012	0 986 580 012	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP013	0 986 580 013	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP014	0 986 580 048	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP015	0 986 580 063	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP018	0 986 580 018	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP019	0 580 314 070	FUEL PUMP KIT [IN-TANK]
BFP023	0 986 580 023	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP026	0 986 580 026	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP034	0 986 580 034	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP053	0 580 314 076	FUEL PUMP KIT [IN-TANK]
BFP056	0 986 580 056	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP064	0 986 580 082	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP070	0 580 464 070	FUEL PUMP [EXTERNAL] High Press
BFP075	1 704 261 075	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP077	0 580 314 077	FUEL PUMP KIT [IN-TANK]
BFP081	0 580 314 068	FUEL PUMP KIT [IN-TANK]
BFP097	0 580 314 097	FUEL PUMP KIT [IN-TANK]
BFP100	F 000 TE1 07F	FUEL PUMP MODULE REPAIR KIT
BFP101	F 000 TE1 07G	FUEL PUMP MODULE REPAIR KIT
BFP102	F 000 TE1 07H	FUEL PUMP MODULE REPAIR KIT
BFP103	F 000 TE1 07J	FUEL PUMP MODULE REPAIR KIT
BFP104	F 000 TE1 07K	FUEL PUMP MODULE REPAIR KIT
BFP105	F 000 TE1 07M	FUEL PUMP KIT [IN-TANK]
BFP106	F 000 TE1 07N	FUEL PUMP KIT [IN-TANK]
BFP238	0 986 580 027	FUEL PUMP KIT [IN-TANK] - 38 mm Dia
BFP239	1 704 261 239	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP241	0 986 580 092	FUEL PUMP KIT [IN-TANK] - 52 mm Dia
BFP470	F 005 X11 470	FUEL PUMP MODULE
BFP472	F 005 X11 472	FUEL PUMP KIT [IN-TANK]
BFP473	F 005 X11 473	FUEL PUMP KIT [IN-TANK] - 38 mm Dia
BFP474	F 005 X11 474	FUEL PUMP KIT [IN-TANK] - 38 mm Dia
BFP507	0 580 314 153	FUEL PUMP KIT [IN-TANK] Low Press
BFP509	0 580 314 154	FUEL PUMP KIT [IN-TANK] Low Press
BFP772	F 000 TE1 772	FUEL PUMP KIT [IN-TANK]



The history of fuel supply and control



As far back as 1954, gasoline injection systems from Bosch were installed in the legendary Mercedes 300 SL.

Based on a 5-cell roller pump as used for heating-oil burners, and a permanent-magnet electric motor, Bosch developed the first electric fuel pump in 1966. This system was first used with the Bosch manifold-pressure-controlled D-Jetronic injection systems.

In 1973, Bosch introduced both the air-flow-controlled L-Jetronic and the mechanical/hydraulic K-Jetronic gasoline injection systems. In 1979, Bosch then brought a fuel pump onto the market which was specifically designed for these two applications. This fuel pump generated high system pressures and delivery quantities.

A further milestone in the development of the Bosch fuel pumps was the introduction in 1985 of the peripheral (flow-type) pump. This marked the end of the roller-cell pump era, for O.E. applications.

Saddle-type fuel-tank applications



Bosch develops solutions for complex saddle-type fuel-tank systems.

These are needed when, under certain operating conditions, the tank's volume is not directly available. This is the case, for instance, with saddle-type and bin-type fuel tanks and with fuel tanks featuring large surface geometries.

The fuel from these remote fuel reservoirs is either actively pumped by jet pumps (venturi principle) or passively by generating a vacuum directly at the tank fuel-supply module.

Vehicle applications: BMW, Holden, Mercedes Benz, Volvo, Ford, etc.



The complete program from the system specialists



Program Options

				Product Included
●	●	●		Pump
○		○	○	Fuel accumulator
●		○	●	Fuel-level sensor
○				Pressure-regulator
●	○	○	○	Strainer

● included
○ optional



The Universal Program: 7 instead of 72



Multiple connections using one type: the Universal Program for electric fuel pumps from Bosch.

There are a total of 7 universal electric fuel pumps available from Bosch, to replace the previous range of 72 electric fuel pumps. One parts set makes this possible – each of these 7 electric fuel pumps is supplied with a parts set and easy-to-follow installation instructions. These make up the Universal Program from Bosch.

In Bosch quality!

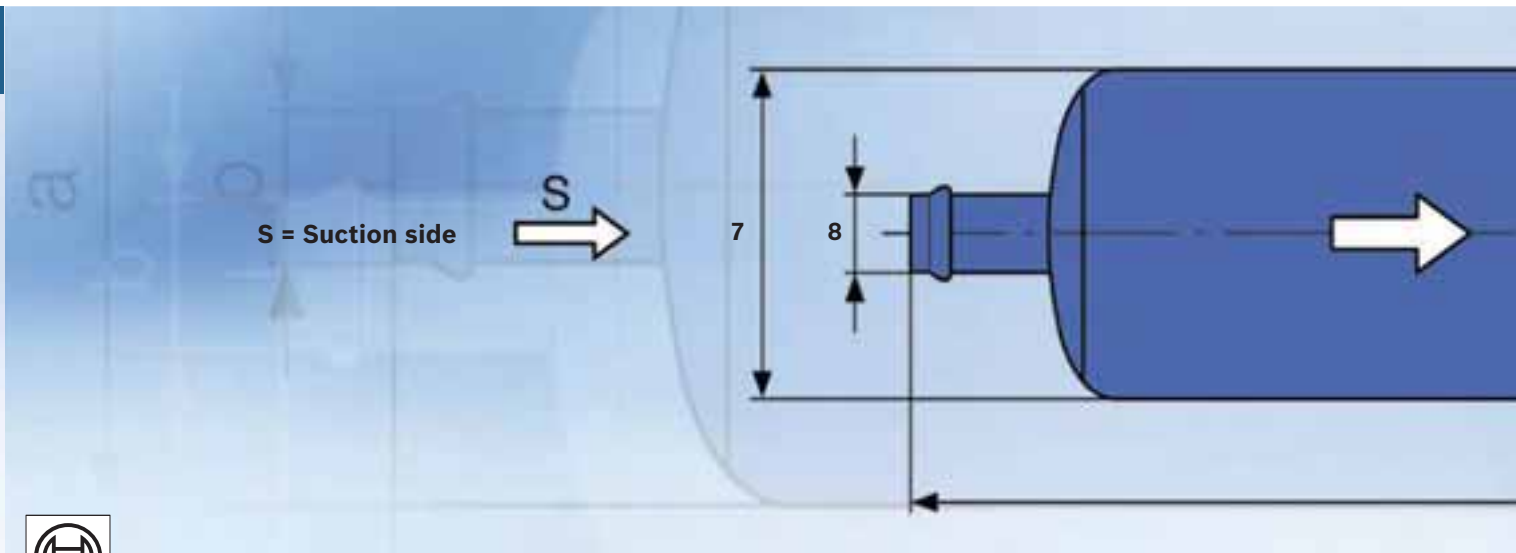
These are the criteria which count in electric fuel pumps:

- ▶ highest degree of functional reliability
- ▶ meeting all requirements for Original Equipment
- ▶ long service life
- ▶ low noise
- ▶ optimal fuel-delivery quantity
- ▶ highest operational reliability during hot-fuel delivery
- ▶ high degree of interference suppression

Be aware of imitations!

Some competitors replace high-performance Bosch pumps by low-performance imitations. This can lead to malfunctions when driving and losses in engine performance due to the inadequate fuel supply! For this reason, in the interests of your customers, only use original Bosch electric fuel pumps.

The Universal Program: 7 instead of 72 – Technical data



0 580 ...	... 254 053	... 254 909	... 254 910	... 254 911	... 464 069	... 464 070	... 464 085
1)	175...228	148...198	130...200	95...135	98...148	130...195	95...145
2)	500	500	500	400	400	300	250
3)	13	13	13	12	12	12	12
4)	< 11,4	< 8,7	< 9,8	< 5,2	< 7,0	< 6,5	< 4,5
5)	800...1450	800...1450	800...1450	650...850	480...850	450...800	480...850
6)	180	180	203	199	186	175	175
7)	60	60	60	52	52	52	52
8)	12	12	15	15	12	12	12
9)	M 12 x 1,5	M 12 x 1,5	M 12 x 1,5	M 12 x 1,5	M 12 x 1,5	–	–
10)	–	–	–	–	–	8	8
11)	–	–	–	M 10 x 1	M 14 x 1,5	–	–

- 1) Delivery quantity with nominal voltage l/h
- 2) System pressure kPa
- 3) Nominal voltage V
- 4) Power consumption A
- 5) Pressure limit kPa
- 6) Total length (l) mm
- 7) Pump Ø (a) mm
- 8) Suction connection, nominal Ø (b) mm
- 9) Pressure connection thread (c)
- 10) Pressure connection, nominal Ø (c) mm
- 11) Additional tube fittings

Electrical connections:

M 4/M 5; Temperature range: –40 °C ... +60 °C;
Fuel quality according to DIN: 51 600, 51 607

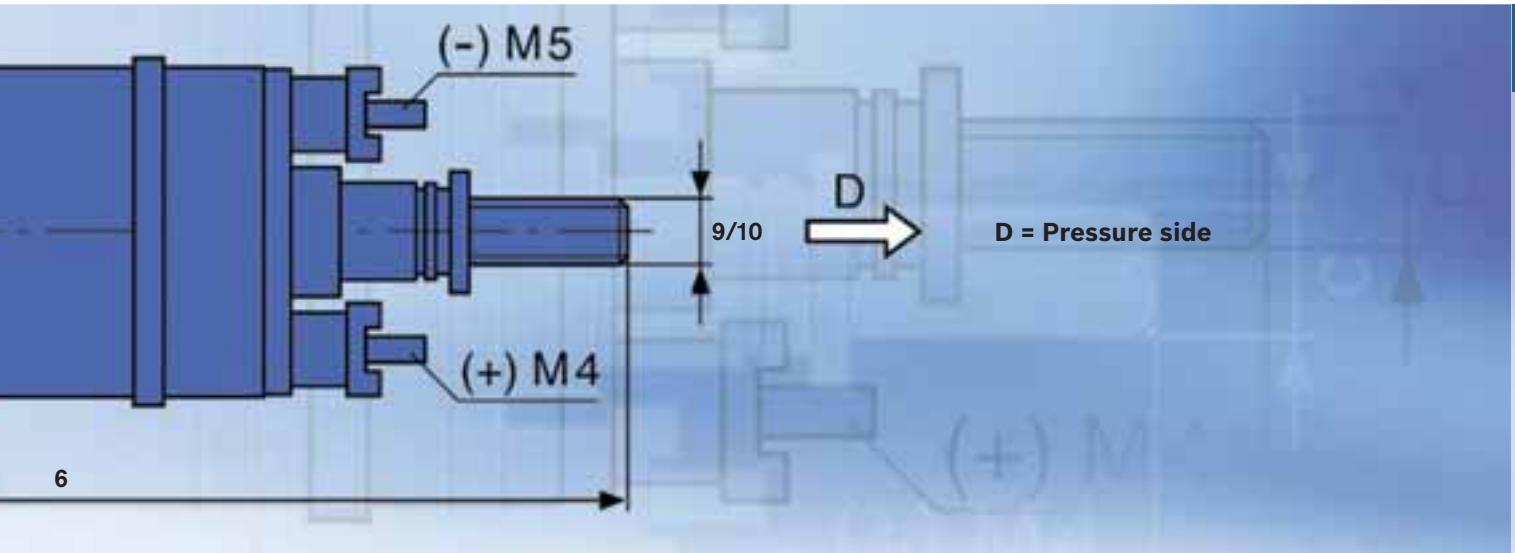
Note:

All universal electric fuel pumps are “in-line” versions. The installation of these is only possible outside the fuel tank.

Scope of delivery:

Universal electric fuel pumps with parts set (each comprising 1 electric terminal M4 / M5 with fitting washers and nuts).

The Universal Program: 7 instead of 72 – Cross-reference



0 580 254 921	0 580 254 910	0 580 254 967	0 580 254 053	0 580 464 021	0 580 464 069
0 580 254 922	0 580 254 910	0 580 254 968	0 580 254 053	0 580 464 022	0 580 464 069
0 580 254 927	0 580 254 910	0 580 254 969	0 580 254 053	0 580 464 023	0 580 464 070
0 580 254 928	0 580 254 910	0 580 254 970	0 580 254 909	0 580 464 024	0 580 464 069
0 580 254 931	0 580 254 909	0 580 254 971	0 580 254 909	0 580 464 025	0 580 464 069
0 580 254 932	0 580 254 909	0 580 254 972	0 580 254 909	0 580 464 027	0 580 464 069
0 580 254 934	0 580 254 909	0 580 254 973	0 580 254 910	0 580 464 028	0 580 464 069
0 580 254 942	0 580 254 910	0 580 254 974	0 580 254 910	0 580 464 030	0 580 254 911
0 580 254 943	0 580 254 910	0 580 254 980	0 580 254 909	0 580 464 032	0 580 464 070
0 580 254 945	0 580 254 911	0 580 254 981	0 580 254 909	0 580 464 033	0 580 464 070
0 580 254 946	0 580 254 911	0 580 463 010	0 580 464 085	0 580 464 034	0 580 254 911
0 580 254 949	0 580 254 909	0 580 463 011	0 580 464 085	0 580 464 037	0 580 464 069
0 580 254 950	0 580 254 911	0 580 463 012	0 580 464 085	0 580 464 038	0 580 464 070
0 580 254 951	0 580 254 911	0 580 463 013	0 580 464 085	0 580 464 040	0 580 254 911
0 580 254 952	0 580 254 910	0 580 463 014	0 580 464 085	0 580 464 041	0 580 254 911
0 580 254 956	0 580 254 910	0 580 463 015	0 580 464 085	0 580 464 042	0 580 464 069
0 580 254 957	0 580 254 909	0 580 463 016	0 580 464 085	0 580 464 044	0 580 464 069
0 580 254 958	0 580 254 909	0 580 463 017	0 580 464 085	0 580 464 048	0 580 464 070
0 580 254 959	0 580 254 909	0 580 464 008	0 580 464 070	0 580 464 050	0 580 464 070
0 580 254 960	0 580 254 909	0 580 464 013	0 580 464 070	0 580 464 051	0 580 464 070
0 580 254 961	0 580 254 909	0 580 464 014	0 580 464 070	0 580 464 056	0 580 464 070
0 580 254 962	0 580 254 909	0 580 464 015	0 580 464 070	9 580 810 046	0 580 464 070
0 580 254 964	0 580 254 909	0 580 464 016	0 580 464 070		
0 580 254 965	0 580 254 909	0 580 464 019	0 580 464 070		
0 580 254 966	0 580 254 909	0 580 464 020	0 580 464 070		

The new kits: The clever way to repair fuel-delivery modules



The new Bosch kits

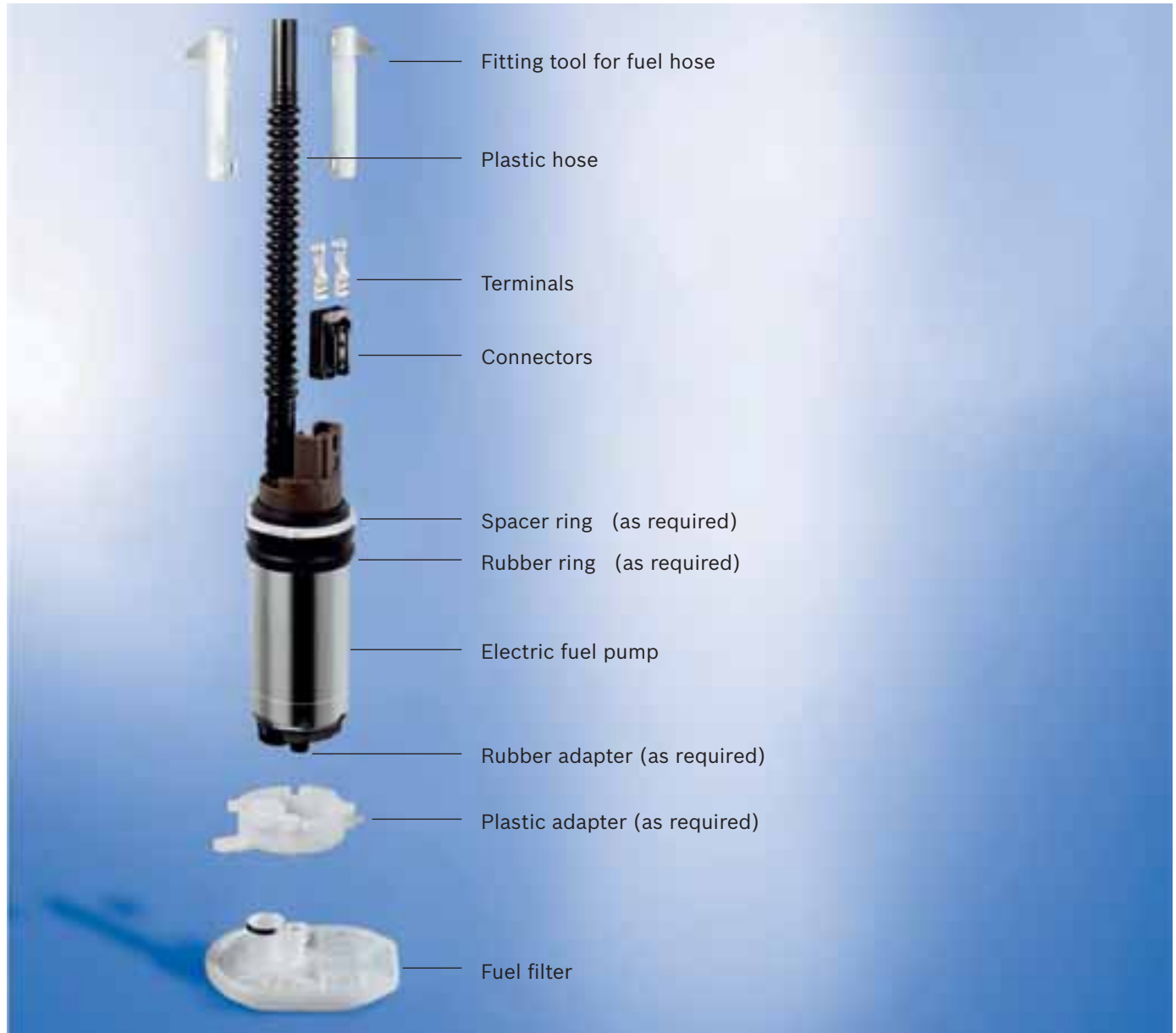
- ▶ Complete package containing all wearing parts
- ▶ Includes clear fitting instructions
- ▶ The quick and easy way to repair fuel-delivery modules
- ▶ Low-cost concept offering broad market coverage
- ▶ Outstanding performance and a long service life

Bosch makes it easy:

Quick and easy repair of fuel-delivery modules with our new kits.

All the necessary parts and clear fitting instructions from Bosch.

The new kits: The clever way to repair fuel-delivery modules



The new kit concept: Quick and easy repairs in just six steps:

1. Remove the fuel-delivery module from the tank
2. Detach the electrical and hydraulic connections
3. Remove the gasoline pump and filter from the pump bracket
4. Insert the Bosch repair kit in the fuel delivery module
5. Re-establish the electrical and hydraulic fuel-pump connections
6. Install the repaired fuel-delivery module in the tank

2008 | 2009



* Further Technical Data available on Page A61



Range overview, Fuel pumps & In-tank units

		Fig.		Fig.		 + 		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 303 ... (continued)										
0 580 303 001	1	1 582 980 032	D			•		150	30	ALFA ROMEO: 166
0 580 303 002	16	1 582 980 029	C			•		150	30	FIAT
0 580 303 003	1	1 582 980 030	A			•		150	30	ALFA ROMEO: 156 Berlina; Sport Wagon
0 580 303 007	2	1 582 980 027	B			•		150	30	FIAT
0 580 303 008	2					•		150	30	FIAT: Punto; LANCIA
0 580 303 010	3	1 582 980 043	C			•		150	30	LANCIA
0 580 303 012	4	1 582 980 030	A			•		150	30	ALFA ROMEO: 156 Berlina; Sport Wagon
0 580 303 013	5					•		150	30	FIAT
0 580 303 014	6	1 582 980 032	D			•		150	30	ALFA ROMEO: 166
0 580 303 015	6					•		150	30	LANCIA
0 580 303 016	7					•		150	30	FIAT: Ducato
0 580 303 017	8					•		150	25	FIAT
0 580 303 019	9					•		450	160	MERCEDES-BENZ: Viano; Vito
0 580 303 021	10					•		450	40	MERCEDES-BENZ: Viano; Vito
0 580 303 025	11					•		150	30	CITROËN: Xantia; Xantia Break
0 580 303 026	12					•		150	30	PEUGEOT: 406;
0 580 303 027	13					•		150	30	PEUGEOT: 406;
0 580 303 028	14					•		150	30	FIAT
0 580 303 033	15					•		150	25	ALFA ROMEO: 147

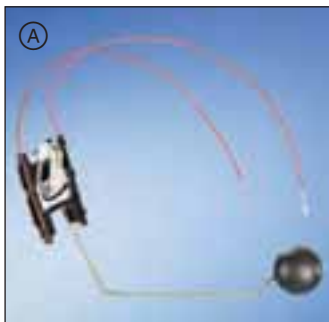
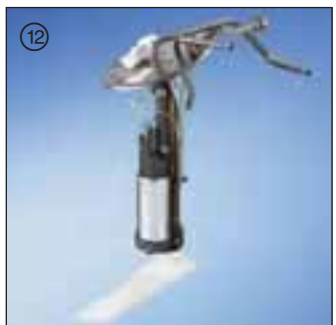


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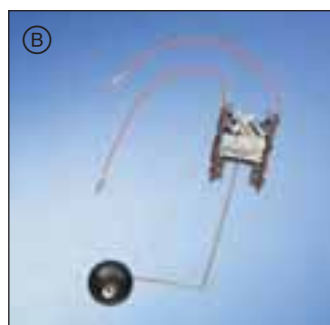
Range overview, Fuel pumps & In-tank units

		Fig.		Fig.		 + 		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 313 ... (continued)										
0 580 313 020	1	1 582 980 032	A			•		350	40	ALFA ROMEO: 166 LANCIA
0 580 313 021	2	1 582 980 032	A			•		350	40	ALFA ROMEO: 166 LANCIA
0 580 313 022	3	1 582 980 031	B			•		350	55	ALFA ROMEO FIAT
0 580 313 023	4					•		350	75	LAND ROVER GROUP: Range Rover II
0 580 313 026	5					•		350	35	FIAT LANCIA
0 580 313 036	6	1 582 980 034	C			•		350	40	ALFA ROMEO: GTV; Spider
0 580 313 037	7	1 582 980 034	C			•		350	60	ALFA ROMEO: GTV; Spider
0 580 313 039	8	1 582 980 030	D			•		300	40	ALFA ROMEO: 156 Berlina
0 580 313 052	9					•		350	60	FERRARI: 360
0 580 313 053	10					•		350	35	RENAULT: Laguna II
0 580 313 067	11					•		350	55	LANCIA
0 580 313 068	12				•			294	75	HONDA: Civic
0 580 313 072	13					•		450	35	RENAULT: Laguna II



Range overview, Fuel pumps & In-tank units

		Fig.		Fig.		 + 		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 313 ... (continued)										
0 580 313 073	1	1 582 980 041	A				•	350	46	ALFA ROMEO: 147
0 580 313 075	2	1 582 980 030	B				•	350	60	ALFA ROMEO: 156 Berlina; Sport Wagon
0 580 313 076	3	1 582 980 032	C				•	350	35	ALFA ROMEO: 166
0 580 313 077	4						•	284	60	SUZUKI: Swift Hatchback; Swift Sedan
0 580 313 078	5						•	55	110	RENAULT: Laguna II
0 580 313 079	6	1 582 980 029	D				•	350	55	FIAT
0 580 313 081	7	1 582 980 047	E				•	350	60	LANCIA
0 580 313 082	8	1 582 980 047	E				•	350	60	LANCIA
0 580 313 085	9	1 582 980 069	D				•	324	60	TOYOTA: Avensis
0 580 313 092	10						•	350	35	LANCIA
0 580 313 096	11						•	350	85	CITROËN: C3
0 580 313 101	12						•	350	35	NISSAN



2008 | 2009



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.			+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 314 ... (continued)													
0 580 314 042	1								•		400	60	VOLVO: S40 II
0 580 314 044	2								•		400	110	VOLVO: V50
0 580 314 050	3								•		400	60	VOLVO: S40 II
0 580 314 052	4								•		400	60	VOLVO: V50
0 580 314 062	5								•		350	40	NISSAN
0 580 314 063	5								•		330	50	NISSAN
0 580 314 064	6						•				300	120	FIAT: Ducato
0 580 314 066	7							•			300	120	CITROËN: XM PEUGEOT: 605
0 580 314 067	8							•			300	120	VOLVO: 740; 850
0 580 314 068 (BFP 081)	9							•			300	120	AUDI: Coupé; S4; S6; S6 Avant; V8; 80; 80 Avant; 100; 100 Avant; 200; 200 Avant; A6; A6 Avant
0 580 314 069	9							•			300	95	BMW: 7 & 8 Series
0 580 314 070 (BFP 019)	10							•			300	120	BMW: 3 Series
0 580 314 073	11							•			300	120	RENAULT: Clio
0 580 314 074	11							•			300	105	RENAULT: Clio
0 580 314 076 (BFP 053)	12							•			300	120	BMW: 3 Series
0 580 314 077 (BFP 077)	9								•		250	105	FORD: Falcon MPFI NISSAN: Pintara
0 580 314 078	13							•			400	103	FIAT LANCIA
0 580 314 082	14								•		380	48	HOLDEN: Astra
0 580 314 084	15								•		330	80	HOLDEN: Astra
0 580 314 090	16								•		600	180	BMW: M Series
0 580 314 097 (BFP 097)	17							•			300	120	HOLDEN: Astra; Barina; Calibra; Combo; Tigra; Vectra; Zafira
0 580 314 105	15								•		500	90	BMW: 5 Series
0 580 314 106	18								•		500	90	BMW: 5 & 6 Series



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 314 ... (continued)												
0 580 314 107	1								•	380	46	FIAT
0 580 314 114	2								•	380	48	OPEL
0 580 314 122	3								•	350	120	VOLVO: S60; V70 II
0 580 314 123	4						•			350	130	BMW: 5 Series
0 580 314 134	5								•	420	55	OPEL
0 580 314 137	6								•	350	46	FIAT
0 580 314 152	7						•			110	105	FIAT PEUGEOT: 205
0 580 314 153 (BFP 507)	8						•			100	105	FORD: Falcon CFI
0 580 314 154 (BFP 509)	8						•			75	94	HOLDEN: Barina Hatchback
0 580 314 155	9						•			110	105	AUDI: 80; 80 Avant; A6
0 580 314 165	7						•			110	105	FIAT LANCIA
0 580 314 169	10								•	400	110	VOLVO: C30; C70 II Cabrio; V50
0 580 314 173	11								•	400	110	VOLVO: C30; V50
0 580 314 195	5								•	380	48	OPEL VAUXHALL
0 580 453 ...												
0 580 453 072	12					•				300	90	LANCIA
0 580 453 328	13					•				300	85	NISSAN: Terrano II
0 580 453 329	14					•				300	85	NISSAN: Serena
0 580 453 330	13					•				300	85	NISSAN: Micra
0 580 453 332	15					•				300	85	NISSAN: Micra
0 580 453 402	16					•				250	80	TOYOTA: Carina E Liftback; Carina E Sedan; Carina E Wagon
0 580 453 408	17					•				300	95	ALFA ROMEO: GTV; 155 FIAT
0 580 453 411	17					•				300	80	HONDA: Civic Fastback



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.			+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 453 ... (continued)													
0 580 453 420	1						•				400	125	VOLVO: C70; S70; V70 I; 740
0 580 453 427	2						•				400	110	FIAT RENAULT: Mégane
0 580 453 443	3						•				380	105	CITROËN: ZX HYUNDAI: Scoupe
0 580 453 449	4							•			300	65	JEEP: Cherokee VW (VOLKSWAGEN): Passat
0 580 453 453	2						•				350	60	LADA
0 580 453 455	2						•				300	70	DAEWOO: Matiz
0 580 453 465	2						•				380	90	HOLDEN: Astra; Barina; Combo; Tigra; Vectra VAUXHALL: Astra; Astra Convertible; Astra Coupé; Combo; Corsa; Omega; Tigra; Vectra; Vectra Estate; Zafira
0 580 453 477	5						•				300	105	HYUNDAI: Accent; Coupé; Elantra; Lantra MAZDA: MPV; MX-6; 323 Astina; 323 Astina Hatchback; 323 F Hatchback; 323 Hatchback; 323 Sedan; 626; 626 Hatchback MITSUBISHI: L 300; Lancer; Lancer Hatchback; Lancer Sedan; Magna; Pajero; Pajero Sport
0 580 453 484	6						•				324	55	TOYOTA: Avensis
0 580 453 485	7						•				300	70	NISSAN: Micra; Primera Hatchback; Primera Sedan; Primera Wagon; Terrano II
0 580 453 489	2						•				380	100	HOLDEN: Astra; Zafira
0 580 453 494	2						•				250	100	DACIA
0 580 453 900	8						•				300	75	MERCURY: Cougar
0 580 453 903	8						•				300	75	VOLVO: 440
0 580 453 910	9						•				300	75	PEUGEOT
0 580 453 911	10						•				300	95	ALFA ROMEO: Sprint; 33 Berlina; Sport Wagon PEUGEOT: 305 RENAULT: 5; 9; 11; 25
0 580 453 912	11						•				300	75	FORD
0 580 453 914	12						•				300	75	SEAT: Toledo VW (VOLKSWAGEN): Golf; Golf II



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 453 ... (continued)												
0 580 453 918	1				•					300	75	VW (VOLKSWAGEN): Golf I Cabriolet; Polo Classic
0 580 453 920	2				•					110	78	SEAT: Toledo VW (VOLKSWAGEN): Golf II
0 580 453 927	3				•					100	100	FORD
0 580 453 928	4				•					110	104	AUDI: 80 VW (VOLKSWAGEN): Polo Classic
0 580 453 932	5				•					430	95	VOLVO
0 580 453 939	6				•					300	75	LANCIA
0 580 453 940	7				•					110	78	CITROËN: BX PEUGEOT: 405
0 580 453 945	8				•					400	108	SAAB (SAAB AUTOMOBILE AB): 900
0 580 453 951	9				•					300	75	VOLVO
0 580 453 952	9				•					430	95	VOLVO
0 580 453 956	10				•					110	104	AUDI: 80; 100; 100 Avant
0 580 453 964	11				•					430	105	VOLVO: 440
0 580 453 975	11				•					110	78	VOLVO: 440
0 580 453 981	12				•					300	85	FIAT
0 580 463 ...												
0 580 463 014	15				•					250	75	HOLDEN: Camira
0 580 463 016	14				•					250	75	VW (VOLKSWAGEN): Bus; Transporter; Vanagon
0 580 463 018	16				•					300	105	FIAT
0 580 464 ...												
0 580 464 008	15				•					300	130	CITROËN: BX; CX; DAIMLER LTD.: Sovereign FIAT: Argenta; 124; 132 FORD: Falcon HOLDEN: Commodore JAGUAR: XJ S Coupé; XJ 6; XJ 12



* Further Technical Data available on Page A61



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.			+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 464 ... (continued)													
0 580 464 070* (BFP 070)	1							•			300	110	ALFA ROMEO: GTV; GTV 6; 33 Berlina; Sport Wagon; 75; 90 BMW: 3, 5, 6 & 7 Series CITROËN: BX; CX DAIMLER LTD.: Sovereign FIAT: Argenta; Regata; Ritmo; 124; 132 FORD: Falcon HOLDEN: Commodore JAGUAR: XJ S Coupé; XJ 6; XJ 12 PEUGEOT: 405; 505 RENAULT: 19; 21; ROVER: 3500 SD1
0 580 464 073	2						•				150	155	IVECO: Daily 2000
0 580 464 076	1						•				150	155	RENAULT
0 580 464 079	3						•				200	130	AUDI: A8
0 580 464 084	4						•				150	185	HYUNDAI: Santa Fe; Trajet
0 580 464 085	1							•			250	95	FIAT: Regata RENAULT SEAT: Ibiza VW (VOLKSWAGEN):
0 580 464 087	5						•				450	160	MERCEDES-BENZ: S Series
0 580 464 090	6						•				150	135	FIAT
0 580 464 098	7						•				250	184	HYUNDAI: Santa Fe
0 580 464 103	2								•		80	150	IVECO
0 580 464 983	8							•			150	155	FIAT: Punto LANCIA
0 580 464 987	9						•				300	120	ALFA ROMEO: 164

* Further Technical Data available on Page A61





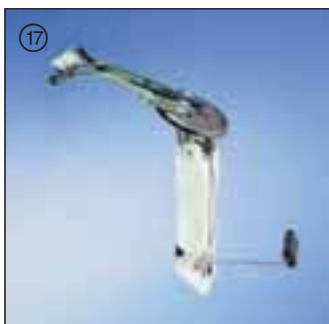
Range overview, Fuel pumps & In-tank units

				Fig.		Fig.		 + 		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 986 580 ... (continued)												
0 986 580 032	1						•			250	80	MAZDA: 323 Wagon
0 986 580 034 (BFP 034)	2					•				250	80	MAZDA: B2600
0 986 580 038	3					•				250	80	HONDA: Civic; Legend Coupé
0 986 580 040	4						•			250	80	HONDA: Legend Coupé; Legend Sedan
0 986 580 041	5						•			250	80	HONDA: Prelude
0 986 580 042	6						•			250	80	HONDA: Civic CRX; Civic Hatchback; Civic Sedan
0 986 580 046	7						•			250	135	NISSAN: Pulsar Hatchback
0 986 580 047	8						•			250	150	NISSAN
0 986 580 048 (BFP 014)	9						•			250	155	NISSAN: Pathfinder; Terrano
0 986 580 049	10						•			250	105	NISSAN: Pulsar Hatchback
0 986 580 050	11						•			250	125	NISSAN
0 986 580 052	12						•			250	125	NISSAN: 200 SX
0 986 580 053	13						•			250	105	NISSAN: Bluebird
0 986 580 090	14					•				300	75	TOYOTA: Avensis; Camry Sedan; Carina E; Corolla; Corona; Land Cruiser; RAV4; Starlet
0 986 580 093	15						•			250	90	SUZUKI: Vitara; Vitara Cabrio
0 986 580 094	16					•				300	160	TOYOTA: Camry Sedan; Camry Wagon
0 986 580 129	17						•			350	135	BMW: 5 Series
0 986 580 130	18						•			350	170	BMW: X Series
0 986 580 131	19					•				350	200	BMW: X, 5 & 7 Series
0 986 580 132	20						•			350	135	BMW: 3 Series



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
0 986 580 ... (continued)												
0 986 580 138	1								•	350	100	CITROËN: C6 PEUGEOT: 407
0 986 580 142	2								•	350	150	CITROËN: C6 PEUGEOT: 407
0 986 580 149	3								•	350	65	RENAULT: Modus
0 986 580 151	4								•	350	65	RENAULT: Modus
0 986 580 152	5								•	350	65	RENAULT: Clio III
0 986 580 153	6								•	490	110	SMART (MCC): Roadster;
0 986 580 157	7								•	400	135	MERCEDES-BENZ: A & B Series
0 986 580 161	8							•		400	110	AUDI: A4; A4 Avant
0 986 580 162	9								•	350	65	NISSAN: Micra
0 986 580 170	10								•	120	90	CITROËN: Berlingo
0 986 580 171	11								•	310	70	CITROËN: Berlingo
0 986 580 173	12								•	350	130	PEUGEOT: 306
0 986 580 174	13								•	260	160	CITROËN: Berlingo; Xsara Picasso PEUGEOT: 206; 607
0 986 580 175	14								•	310	70	PEUGEOT: 406
0 986 580 176	15								•	310	70	PEUGEOT: 406
0 986 580 177	16								•	310	60	RENAULT
0 986 580 178	17								•	310	60	MG
0 986 580 179	18								•	310	60	MG
0 986 580 180	19								•	200	160	PEUGEOT: 607
0 986 580 181	20								•	300	60	VOLVO: S40 I; V40



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.			+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 986 580 ... (continued)													
0 986 580 182	1									•	390	110	VOLVO: S40 I; V40
0 986 580 183	2									•	400	140	MERCEDES-BENZ: C Class
0 986 580 184	3									•	400	140	MERCEDES-BENZ: C & CLK Class
0 986 580 185	4									•	300	95	CITROËN: Xantia
0 986 580 186	5									•	490	65	SMART (MCC): FORTWO Cabrio; FORTWO Coupé; Smart Cabrio; Smart Coupé
0 986 580 200	6									•	300	135	CITROËN: PEUGEOT:
0 986 580 201	7									•	300	135	CITROËN: PEUGEOT:
0 986 580 202	8									•	120	130	RENAULT:
0 986 580 203	9									•	310	105	RENAULT:
0 986 580 204	10									•	310	105	RENAULT: Clio II
0 986 580 205	11									•	310	105	RENAULT:
0 986 580 206	12									•	490	100	SMART (MCC): Smart Cabrio; Smart Coupé
0 986 580 207	13									•	310	105	FIAT: Punto
0 986 580 208	14									•	120	155	FIAT: Punto
0 986 580 209	15									•	120	155	FIAT
0 986 580 210	16									•	350	85	FIAT
0 986 580 211	17									•	300	70	FIAT
0 986 580 212	18									•	100	75	FIAT
0 986 580 215	19									•	250	150	CITROËN: C5 PEUGEOT: 307
0 986 580 216	20									•	250	150	PEUGEOT: 406



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
0 986 580 ... (continued)												
0 986 580 217	1								•	250	150	CITROËN PEUGEOT
0 986 580 218	2								•	250	150	PEUGEOT
0 986 580 219	3								•	350	75	CITROËN: Xantia
0 986 580 220	4								•	350	75	CITROËN: Xsara
0 986 580 221	4								•	350	75	CITROËN: ZX
0 986 580 222	5								•	350	75	PEUGEOT: 306
0 986 580 250	6								•	310	170	FIAT: Punto
0 986 580 251	6								•	310	160	FIAT LANCIA
0 986 580 252	7								•	360	100	PEUGEOT: 206
0 986 580 253	8								•	310	160	FIAT
0 986 580 254	9								•	400	120	FIAT
0 986 580 255	10								•	310	70	FIAT
0 986 580 256	11								•	360	100	PEUGEOT: 206
0 986 580 257	12								•	360	100	CITROËN: C4; C5 PEUGEOT: 307
0 986 580 258	13								•	350	70	RENAULT
0 986 580 259	14								•	350	70	RENAULT: Clio II
0 986 580 260	15								•	360	135	PEUGEOT: 406
0 986 580 261	15								•	360	100	CITROËN PEUGEOT
0 986 580 272	16								•	430	115	ROVER
0 986 580 310	17								•	360	100	CITROËN: Berlingo; Xsara Picasso PEUGEOT: 206; 607
0 986 580 311	18								•	350	60	RENAULT
0 986 580 312	18								•	350	60	RENAULT: Clio II
0 986 580 313	19								•	360	95	VOLVO: S40 I; V40
0 986 580 314	19								•	450	110	VOLVO: S40 I; V40
0 986 580 350	20							•		120	90	FIAT



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.			+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 986 580 ... (continued)													
0 986 580 351	1									•	200	160	CITROËN: Berlingo; Xsara Picasso
0 986 580 352	2									•	420	120	SAAB (SAAB AUTOMOBILE AB): 900
0 986 580 354	3						•				400	170	MERCEDES-BENZ: CL, S & SL Class
0 986 580 356	4									•	350	70	FIAT
0 986 580 357	5									•	350	160	FIAT
0 986 580 358	6									•	350	70	RENAULT: Clio II
0 986 580 363	7									•	350	120	MERCEDES-BENZ: Vaneo
0 986 580 364	8									•	350	120	MERCEDES-BENZ: Vaneo
0 986 580 368	9									•	350	60	RENAULT
0 986 580 369	10									•	350	65	DACIA
0 986 580 400	11									•	310	90	FORD: Fiesta IV; Ka MAZDA: 121
0 986 580 401	11									•	310	105	FORD: Fiesta IV
0 986 580 402	12									•	300	110	FORD: Focus
0 986 580 403	11									•	310	90	FORD: Fiesta IV
0 986 580 404	13									•	300	80	FORD: Mondeo
0 986 580 405	13									•	415	135	FORD: Mondeo
0 986 580 406	14									•	380	63	FORD: Mondeo
0 986 580 408	14									•	450	74	FORD: Mondeo
0 986 580 500	15							•			300	110	KIA: Sephia
0 986 580 501	16							•			300	65	KIA: Pride
0 986 580 503	17							•			300	110	KIA
0 986 580 504	18							•			300	110	KIA
0 986 580 506	19							•			300	110	DAEWOO: Espero
0 986 580 508	20							•			300	110	HYUNDAI: Sonata II



2008 | 2009



Range overview, Fuel pumps & In-tank units

				Fig.		Fig.			+		Operating Pressure (KPA)	Flow Rate (L/HR)	
1 582 980 ...													
1 582 980 052	1							•			380	51	VOLVO: S60; V70 II
1 582 980 083	2							•			380	90	OPEL
1 582 980 118	3							•			400	125	VOLVO: V50
1 582 980 135	4							•			100	130	VOLVO: S80 I
1 582 980 138	5							•			400	115	VOLVO: S80 I
1 582 980 174	6							•			380	35	OPEL
9 580 233 ...													
9 580 233 002	7						•				380	90	FORD: Bronco II
9 580 810 ...													
9 580 810 019	8						•				300	95	JEEP: Cherokee
9 580 810 021	9						•				380	90	FORD: Bronco
9 580 810 026	10						•				380	90	FORD
0 580 30F ...													
0 580 30F 001	11							•			400	40	TOYOTA: Avensis
0 580 30F 002	11							•			400	40	TOYOTA: Avensis
F 000 TE0 ...													
F 000 TE0 000	12							•			100	100	FIAT
F 000 TE0 044	13							•			300	125	VW (VOLKSWAGEN): Polo
F 000 TE0 046	13							•			300	125	AUDI: A3
F 000 TE0 103	14							•			300	105	FIAT FORD
F 000 TE0 106	15							•			300	105	FIAT
F 000 TE0 107	15							•			100	105	FIAT
F 000 TE0 111	16							•			400	100	SEAT: Cordoba; Ibiza; Toledo VW (VOLKSWAGEN): California T4; Caravelle T4; Golf II; Golf III; Golf IV Cabriolet; Jetta; Multivan T4; Passat; Polo Classic; Transporter T4; Vento
F 000 TE0 112	16							•			100	100	SEAT: Cordoba; Ibiza; Toledo VW (VOLKSWAGEN): Golf II; Golf III; Golf III Cabriolet; Golf IV Cabriolet; Jetta; Passat; Polo Classic; Vento
F 000 TE0 114	17							•			100	105	FIAT
F 000 TE0 117	18							•			300	105	FIAT



2008 | 2009



PRODUCT WARNING!



Use of Bosch products for motorsport applications – Important information.

- Individual warnings relating to certain products are located at the bottom of each section. These warnings should also be adhered to where applicable.

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- A component should only be used in combination with other components which have compatible technical specifications and performance. Unless Bosch specifies otherwise, Bosch does not warrant that components will be compatible or appropriate for a particular application and it is the responsibility of the purchaser to ensure that a component is appropriate for the intended application.
- The use of fuel pumps designed for external application should not be installed in tank. Bosch does not recommend or endorse this practise.
- All external Bosch fuel pumps must be provided with an appropriate supply of fuel from the tank. Bosch roller cell style fuel pumps are not self priming and cannot draw fuel from the tank.

Special conditions applicable when ordering some specialised products.

- Due to the specialised nature of some of these products, they are often manufactured to order only. Certain parts listed within this information [*generally parts with a "B" part number prefix*] may therefore have a delivery lead time of up to ten (10) weeks from the date of order. Once orders have been placed and confirmed for these products they cannot be cancelled without penalty.

Subject to any applicable statutory warranties, Bosch warrants its components against any manufacturing or material defects only.

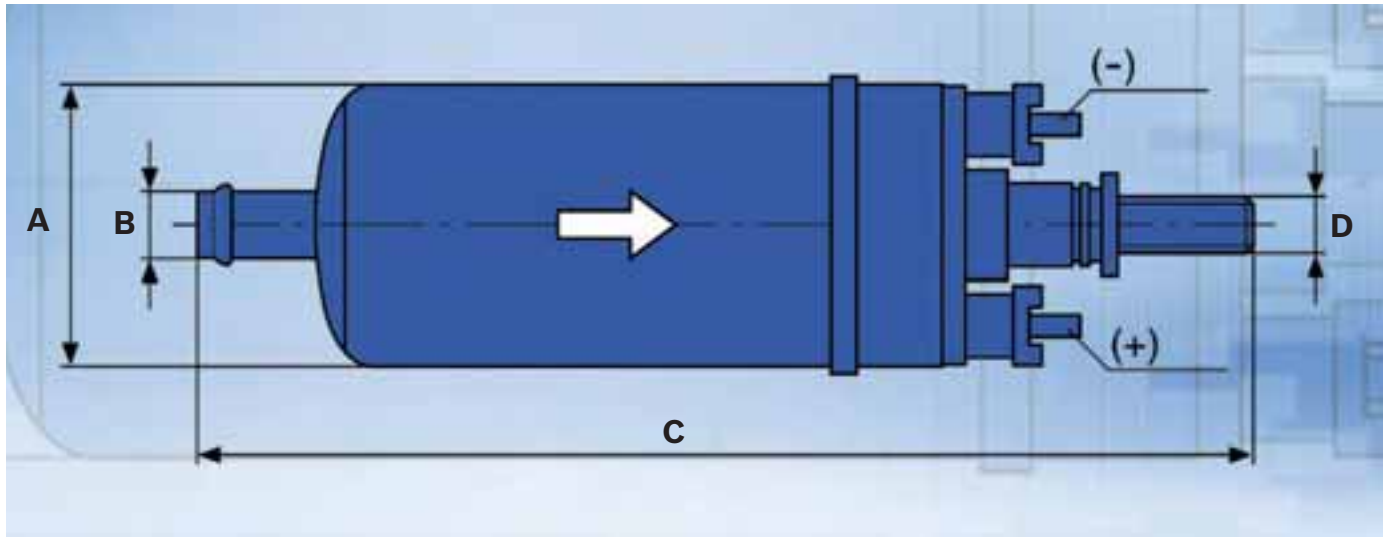
Fuel Pump Technical Data

Part Number	Flow Qty* Litres/hour (pressure)	Inlet Connection	Outlet Connection	Length (mm)	Diameter (mm)	Max Power Cons (Amps)	Electrical Connection (-/+)
0 580 254 023#	168 (5 Bar)	open base	M10 x 1.0	169	60	10	M5/M6
0 580 254 040#	102 (6.5 Bar)	open base	M10 x 1.0	169	60	11	M5/M6
0 580 254 044	200 (5 Bar)	M18 x1.5	M12 x 1.5	196	60	15.5	M5/M6
0 580 254 046	207 (3 Bar)	M14 x 1.5	M12 x 1.5 (F)	169	60	10.5	M4/M5
0 580 254 053	175 (5 Bar)	12mm (3/8")	M12 x 1.5	180	60	11.5	M4/M5
0 580 254 909	148 (5 Bar)	12mm (3/8")	M12 x 1.5	180	60	10	M4/M5
0 580 254 910	130 (5 Bar)	15mm (1/2")	M12 x 1.5	203	60	10	M4/M5
0 580 254 911	95 (4 Bar)	15mm (1/2")	M12 x 1.5	199	52	5.2	M4/M5
0 580 254 975	165 (5 Bar)	15mm (1/2")	M12 x 1.5 (F)	180	60	10	M4/M5
0 580 254 979	165 (5 Bar)	M14 x 1.5	M12 x 1.5 (F)	168	60	10	M4/M5
0 580 254 984	165 (5 Bar)	12mm (3/8")	M12 x 1.5 (F)	180	60	10	M4/M5
0 580 464 069	98 (4 Bar)	12mm (3/8")	M12 x 1.5	186	60	7	M4/M5
0 580 464 070	130 (3 Bar)	12mm (3/8")	8mm (5/16")	175	52	6.5	M4/M5
B 261 205 413	200 (8 Bar)	M18 x1.5	M12 x 1.5	196	60	15.5	M5/M6

Cap nuts, copper washers and banjo bolts may be required for installation, these are not part of the scope of delivery.
(F) = Female fitting with internal check valve.

* Operating voltage = 12v, test pressures indicated are also suggested maximum operating pressures.

In-tank pump



Dimensions

A = Diameter

B = Inlet/Suction Connection Size

C = Length

D = Outlet/Pressure Connection Size

WARNING!

Bosch fuel pumps have their **flow rates specified in N-Heptane** which is a pure chemical and does not alter its viscosity and density as it evaporates, unlike standard petrol. As the lighter fractions from standard petrol evaporate the viscosity and density changes. N-Heptane does not have the same density or viscosity as standard petrol, hence the flow rate figures stated should be used as a general guide for comparison only. Bosch cannot guarantee the performance characteristics or specifications of these fuel pumps if they are used with alcohol based fuels or fuel additives that are corrosive.



EFI Fuel Pressure Testing Procedures



Correct fuel pressure is essential for the efficient operation of any EFI system. Incorrect fuel system pressure and/or flow can cause various problems including starting, idle and overall performance issues.

Fuel pressure and flow testing is an important process in the diagnosis of any EFI system and in most cases is a simple process. Detailed here is a simplified, generic test procedure that can be used to test the majority of conventional EFI fuel systems. It is important that both fuel pressure and flow are tested. The broader use of “returnless” type fuel systems by vehicle manufacturers may require some different testing procedures. Vehicle manufacturer testing and service information should always be used when available.

Comprehensive fuel system testing should include analysis of,

- Fuel System “Operating” or “Regulated” Pressure
- Fuel System Flow
- Residual Fuel System Pressure retention

Traditionally, many EFI systems operated at pressures of 2.5 – 3.0 bar. Modern EFI systems now often operate at much higher pressures of 3.5 – 4.0 bar or higher due to various factors including higher engine temperatures and performance requirements. With this in mind, it is important to refer to the vehicle manufacturers information for correct system operating pressure. It is also worthwhile to note that many Bosch fuel pressure regulators have their operating or regulating pressure stamped on the side of the upper housing. This value will indicate the correct testing pressure.

The most accurate pressure test measurement is the “set” pressure of the fuel pressure regulator [*pressure value without manifold vacuum applied*]. Whilst fuel pressure is “reduced” by manifold vacuum [*the regulator maintaining **pressure differential** across the fuel injectors **constant** at all times*] the amount of fuel pressure measured with the manifold vacuum connection applied will vary.

WARNING – Testing should only be carried out by adequately qualified persons using test equipment designed for the purpose of pressure testing automotive fuel systems, and using containers suitable for the safe storage of liquid fuel.

IMPORTANT NOTE – Always de-pressurise the fuel system before opening any fuel lines or test connections.

Always ensure the vehicle has an adequate level of fuel in the fuel tank prior to any fuel pressure testing. Low fuel levels, less than ¼ tank, may cause erratic and inaccurate test results.

Once the fuel system has been de-pressurised, the fuel pressure gauge can be fitted anywhere between the outlet of the fuel pump and the inlet of the fuel pressure regulator, anywhere in the RED area on the diagram

opposite. Many late model vehicles will have a dedicated test connection on the fuel rail for the purpose of fuel pressure testing. Professional fuel pressure test kits [*i.e.: Pressure Test Kit # 0 986 615 100*] contain specific fittings and test valves to allow simplified access to conduct accurate testing on EFI systems.

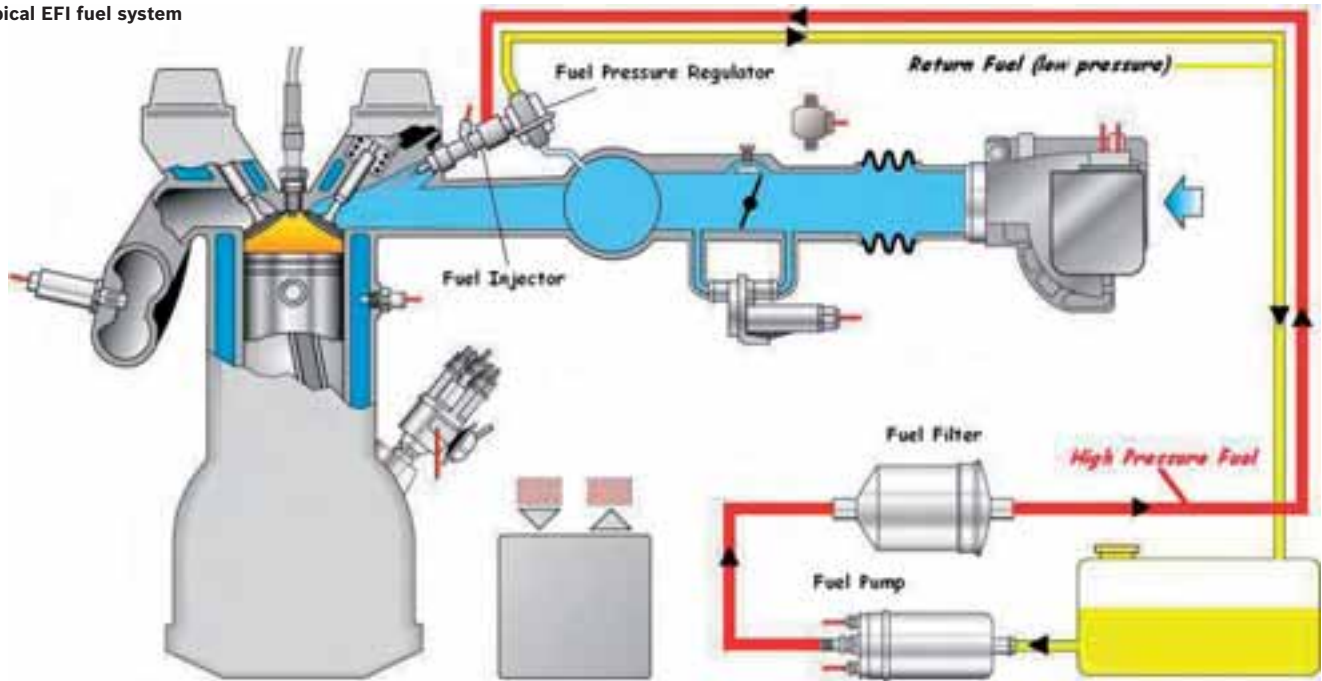
Fuel System Operating or Regulated Pressure Testing (with 3.0 bar regulator)

1. With the fuel pressure gauge fitted, operate the fuel pump and note the system pressure with no vacuum applied to the regulator. This is the system operating pressure and should be 3.0 bar.
2. Connect manifold vacuum to the regulator, pressure should reduce by approximately 0.5 bar.
3. *If pressure is too low* – slowly restrict the fuel return line. If pressure rises, replace the fuel pressure regulator. If pressure does not rise, check operating voltage and fuel supply to the fuel pump. If both are OK, replace the fuel pump.
4. *If fuel pressure is too high* – remove the fuel return line from the pressure regulator. If pressure does not reduce, replace the fuel pressure regulator. If pressure does reduce then there is a restriction in either the return line or the fuel tank. To establish the source of the fault, re-connect the return line to the pressure regulator and remove it at the fuel tank end. If pressure does not reduce, there is a restriction in the return line. If pressure does reduce then the restriction is within the fuel tank.

Fuel System Flow Testing

Remove the fuel return line from the pressure regulator and place it into an approved fuel measurement container. Safely operate the fuel pump for up to 30 seconds and observe the fuel flow rate and volume. Typical fuel system flow values will range from approximately **0.8 - 1.5 Litres/30sec** dependant upon the type of vehicle. If system flow rate is insufficient, check and/or replace the fuel filter. If flow is still insufficient, check pump voltage and fuel supply volume. If both are OK, replace the fuel pump.

Typical EFI fuel system



Residual Fuel System Pressure

Retention of residual fuel system pressure is important in any EFI system. Loss of residual fuel pressure will result in fuel vaporisation. If vaporisation occurs in the fuel supply lines, problems with hot start and idle quality will result.

Once the fuel pump has shut down the system pressure will settle. After 20 mins, system pressure should be no lower than 1.0 bar. Loss of residual pressure can be caused by many faults including,

- Leaking fuel pump check valve
- Leaking fuel pressure regulator
- Leaking fuel injectors
- Leaking cold start injector
- External leakage [hose connections, injector bodies etc]

To isolate the area of leakage, run the fuel pump and then shut it down. Clamp the fuel return line. If the pressure holds, replace the fuel pressure regulator. If the pressure does not hold, clamp the fuel supply line. If the pressure holds, the fuel pump check valve is leaking. If the pressure still does not hold with both the supply and return lines clamped, then the pressure loss is through the injectors and/or cold start injector.

As a general observation, rapid loss of residual fuel pressure is generally attributed to leakage through either the fuel pump check valve or fuel pressure regulator. Fuel injector leakage will normally cause slow loss of residual fuel pressure. Leaking fuel injectors however normally cause the most noticeable hot starting problems as not only does the fuel system need to be purged due to the vaporisation, but also the engine is essentially flooded due to the leakage.

There are many systematic checks and adjustments that need to be carried out to diagnose various EFI systems. Comprehensive information on the operation, testing and servicing of various EFI systems is available from the range of Bosch Technical Literature.

Details of available products are available from Bosch on 1300 30 70 40 or at www.bosch.com.au



K-Jetronic Fuel Pressure Testing Procedures



Although the K-Jetronic fuel injection system is no longer applied as Original Equipment to modern vehicles, there are still many vehicles on our roads fitted with this fuel injection system.

As with any fuel injection system diagnosis, all factors that may effect the operation of the K-Jetronic system including overall engine and ignition system condition, basic settings and service procedures should be checked and rectified prior to any servicing of the K-Jetronic. This information is only a generic overview of fuel pressure testing procedures for K-Jetronic, it does not replace vehicle manufacturers recommended testing processes, specifications or service information.

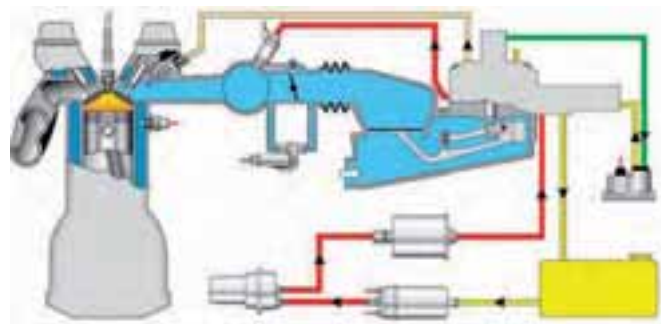
The only way to establish the “Operational Status” of the K-Jetronic system is to *check the various fuel circuit pressure and flow specifications in a specified sequence.* Essential system checks include,

- “System Pressure & Flow”
- “Control Pressure Circuit”, cold & hot pressure values
- “Residual System Pressure” retained over time

Professional fuel pressure test kits [i.e.: *Pressure Test Kit # 0 986 615 100*] contain specific fittings and test valves to allow simplified access to conduct accurate testing on K-Jetronic systems. Whilst these test kits make testing much easier, they are not essential to test the fundamental pressures of K-Jetronic systems.

Always ensure the vehicle has an adequate level of fuel in the fuel tank prior to any fuel pressure testing. Low fuel levels, less than ¼ full, may cause erratic and inaccurate test data.

WARNING – Testing should only be carried out by adequately qualified persons using test equipment designed for pressure testing of fuel systems and containers suitable for the safe storage of liquid fuel.



Typical K-Jetronic fuel system

System Pressure

NOTE – Always de-pressurise the fuel system before opening any fuel lines or test connections.

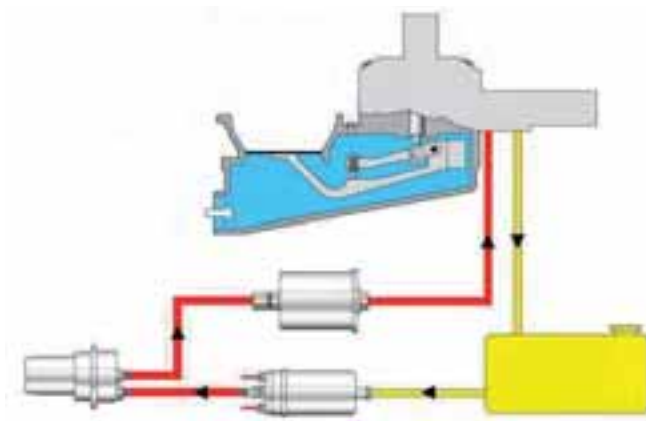
The pressure gauge needs to be fitted between the fuel pump and system pressure regulator (fuel distributor), anywhere in the red area on the diagram. With the fuel pump running the system pressure should be approximately **5 bar (500 kpa)**. Consult the vehicle manufacturer for exact pressure specifications.

If system pressure is too low - slowly restrict the fuel return line. If pressure rises, adjust the system pressure regulator. If pressure does not rise, check pump voltage and fuel supply volume. If both are OK, replace the fuel pump.

If system pressure is too high - safely loosen the fuel return line. If pressure drops, check for a restriction in the fuel return line. If pressure does not drop, adjust the system pressure regulator.

System Flow

Remove the fuel return line and place it into an approved fuel measurement container. Safely operate the fuel pump for up to 30 seconds and observe the fuel flow rate and volume. Typical fuel system flow values will range from approximately **1.0 -1.5 Litres/30sec** dependant upon the type of vehicle. If system flow rate is insufficient, check and/or replace the fuel filter. If flow is still insufficient, check pump voltage and fuel supply volume. If both are OK, replace the fuel pump.



K-Jetronic system pressure circuit



Control Pressure Circuit Testing

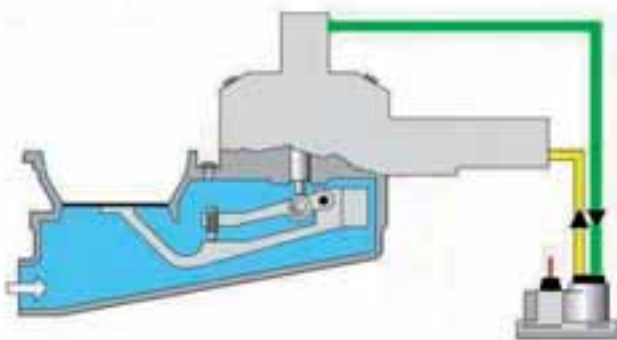
IMPORTANT NOTE - You must have tested and rectified any issues with the "System Pressure & Flow" **BEFORE** carrying out control pressure circuit testing.

The pressure gauge must be fitted between the outlet at the top of the fuel distributor and the control pressure regulator. As the control pressure may be influenced by temperature, engine vacuum and even barometric pressure, the test values here are purely a guide. Manufacturers information should always be used when available.

Typical "COLD" control pressure may be as low as **1.0 – 1.2 bar at approximately 15°C** gradually increasing as the engine warms up. Once the engine has warmed up, the "HOT" control pressure may be around **3.0 – 3.3 bar**. For control pressure regulators with wide open throttle enrichment, the typical values would be approximately 0.5 bar higher across the range with the vacuum line connected.

If the control pressure is too high - safely loosen the return fitting at the control pressure regulator. If pressure reduces, then there is a restriction in the return line and/or push valve assembly. If pressure is unchanged, check control pressure circuit flow by placing the control pressure outlet hose from the fuel distributor into a suitable container and running the fuel pump for 1 minute. Flow value over 1 minute should be between 160 – 240 cc. If not within specification, replace the fuel distributor. If circuit flow is within specification, replace the control pressure regulator.

If the control pressure is too low - check the control pressure circuit flow as described above. if correct, replace the control pressure regulator.



K-Jetronic control pressure circuit

Residual System Pressure

Retention of residual fuel system pressure is much more important with K-Jetronic than with any EFI system. As the system is basically "hydraulic" in its operation and control, its natural enemy is air in the system. If vaporisation occurs in the control and/or fuel supply lines, severe problems with system control will occur resulting in overall fuel control issues, idle quality and hot starting problems.

Once the fuel pump has shut down the system pressures will equalise and settle to a figure of approximately 2.0 – 3.0 bar. Importantly this pressure value should only fall by approximately 0.5 bar in the first 10 minutes from the initial reading. After 20 mins it should only have reduced by a further 0.2 – 0.3 bar. Loss of residual pressure can be caused by many faults including,

- Leaking fuel pump checkvalve
- Leaking system pressure regulator
- Leaking accumulator diaphragm
- Leaking cold start injector
- Leakage past the fuel control plunger

Note that leaking fuel injectors will not cause loss of residual fuel pressure as the pressure differential valves within the fuel distributor should seal once the fuel pump has shut down. Leaking fuel injectors will certainly cause poor hot start and overall idle characteristics.

Leaking fuel injectors are best tested by using Bosch Fuel Injector Tester # KDJE-P400.

There are many systematic checks and adjustments that should be carried out on the various K-Jetronic systems. Comprehensive information on the operation, testing and servicing of K-Jetronic systems is available from the range of Bosch Technical Literature.

Details of available products are available from Bosch on 1300 30 70 40 or at www.bosch.com.au

Robert Bosch Australia

General Warranty Information



Introduction

All products manufactured and/or sold by Bosch Australia carry a statutory and voluntary warranty. Consumer's rights to such warranty are limited to failures and defects caused by a material or manufacturing fault within the specified warranty period.

This warranty information describes very broadly the general procedure for the settlement of warranty claims. Detailed information relating to the most commonly submitted non-warranty cases should also be reviewed prior to any warranty submission. Only genuine warranty cases are accepted.

What is a Warranty Case?

A warranty case exists when a Bosch product or spare part fails within the specified warranty period as a result of a manufacturing or material fault.

What are Non-warranty Cases?

A warranty case does not exist if the fault is caused by a violation of the operating, maintenance or installation instructions, inappropriate or improper use, incorrect handling or unauthorised repairs and modifications performed by third parties. Other examples of non-warranty cases are failures caused by foreign contamination and water entry.

Natural Wear and Tear

Damage caused by natural wear and tear does not constitute a warranty case even if it occurs within the warranty period.

Wrong Deliveries and Transit Damage

Wrong deliveries, incorrect or damaged packaging and transit damage claims are not warranty cases and will not be processed as a warranty claim. Such cases should be directed to Bosch Customer Service on 1300 30 70 40.

Warranty Responsibility and Evaluation

All warranty claims are to be resolved in the most economical and efficient way, either by repair or replacement. In the case of Bosch Fuel Pumps, these must be sent to a Bosch Authorised Service Dealer for warranty evaluation and/or repair.

For details of your nearest Bosch Authorised Service Dealer please call our hotline on 1300 060 060 or visit www.bosch.com.au.

Initiating a Claim

If a Bosch product fails within the specified warranty period as a result of a manufacturing or material fault, consumers should:

- Stop using the goods
- Let the seller know as soon as possible
- Look after the goods until they are returned
- Return the goods, including proof of purchase (while there are no time limits, this should be done as soon as possible).

Packaging

Goods do not have to be returned with the original packaging to obtain a refund.

Warranty Periods and Proof of Purchase

The warranty period begins from the date of sale to the customer (generally the consumer). The warranty period is not renewed nor extended as a result of a warranty repair or with the supply of a replacement part. The seller is entitled to ask for proof of purchase when goods are claimed under warranty and consumers are obligated to provide proof of purchase when claiming goods under warranty. Proof of purchase will generally indicate if the purchased product is covered under warranty.

All Bosch Fuel Pumps are covered by a 12 month or 20,000km warranty period within Australia.

Deadlines for Submitting Warranty Claims

Bosch Australia aims to rectify genuine quality problems as a priority. This is generally achieved by investigating why defective products have failed and by introducing immediate corrective action measures to prevent re-occurring warranty failures. It is therefore critical that all warranty cases are promptly reported to Bosch Australia. Bosch reserves the right to request the prompt return of all defective parts.

Product Liability and Product Safety

Bosch Australia should be informed immediately about any potential product safety concerns within and outside the warranty period. Bosch Australia is well aware of its product liability and product safety obligations and responsibilities. It is our aim to ensure appropriate product safety standards are met in order to avoid injury, loss and damage caused by defects in Bosch products.

[illegible]

Notes



Lined area for notes, consisting of 30 horizontal lines.



Vehicle Applications



ALFA ROMEO

Alfa 33

907	01.90 - 03.92	4	1.7	95	AR30747 Chassis TEL5723776→	BFP070
				98	AR30746 Chassis TEL5723776→	BFP070
	06.90 - 10.94	4	1.7	95	AR30747 Chassis TEL5723776→	BFP070

Alfa 75

02.86 - 02.92	6	2.5	110-113	AR 01911 KAT	BFP070
01.87 - 02.92	4	2.0	109	AR 06224	BFP070
	6	3.0	133-136	AR 06120	BFP070
02.87 - 01.90	6	3.0	133-136	AR 06124 KAT	BFP070
09.87 - 02.92	4	2.0	106	AR 06166 KAT	BFP070

Alfa 90

10.84 - 01.87	6	2.5	115	AR 01646 MPI-Bosch	BFP070
02.86 - 12.90	6	2.5	110-113	AR 01911	BFP070

Alfa 147

937	11.00→	4	2.0	110	AR 32310 Ricam.no → 3165846 11.00 - 03.02	0 580 313 073
					Ricam.no 3165847→ 04.02→	0 580 314 016
	06.05→	4	1.9	110	937A5000	0 580 303 033

Alfa 147 GTA

937	01.03→	6	3.2	184	932A000	0 580 314 016
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Alfa 156

932	10.97 - 09.00	4	2.0	114	AR32301	0 580 313 012
		6	2.5	140	AR32401	0 580 313 012
	09.00 - 12.01	4	2.0	114	AR32310 CF3 Ricam.no → 00545080	0 580 313 075
	01.02 - 10.05	4	2.0	121	AR32310 CF3 Ricam.no → 00545080 01.02 - 02.03	0 580 313 075
					Ricam.no 00545081→ 03.03 - 10.05	0 580 314 034
					937A1.000	0 580 313 107
		6	2.5	141	AR32405 Ricam.no → 00545080 01.02 - 02.03	0 580 313 075
					Ricam.no 00545081→ 03.03 - 10.05	0 580 314 034
	01.02 - 12.05	4	2.0	121	937A1.000	0 580 313 107
	03.02 - 10.05	6	3.2	184	932A000 Ricam.no → 00545080 03.02 - 02.03	0 580 313 075
					Ricam.no 00545081→ 03.03 - 10.05	0 580 314 034

Alfa 166

936	10.98 - 09.00	6	3.0	166	AR 34301	0 580 313 020
	09.00→	6	3.0	166	AR 36101	0 580 313 076

Alfetta

04.83 - 12.84	4	2.0	96	017.13	BFP070
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GT

937	10.03→	4	2.0	121	937A1000	0 580 313 107
		6	3.2	176	936A000	0 580 314 034

GTV

	11.80 - 02.87	6	2.5	116-118	016.46	BFP070
916	04.95 - 04.98	4	2.0	110	AR 16201	0 580 453 477
	11.96 - 07.00	6	3.0	162	AR 16102 03.98 - 07.00	0 580 313 036
	08.00 - 12.05	4	2.0	110	AR 32310	0 580 313 036
		6	3.0	160	AR 16105	0 580 313 036
	04.03 - 12.05	4	2.0	121	937A1.000	0 580 313 117
		6	3.2	176	936A6.000	0 580 313 036

Spider

916	08.00 - 03.03	6	3.0	162	AR 16105 CF3	0 580 313 036
	08.00 - 02.06	4	2.0	110	AR 32310 CF3	0 580 313 037
	04.03 - 02.06	6	3.2	176	936A6.000	0 580 313 036



AUDI

A3									
8L1	09.96 - 06.01	4	1.6	74	AEH				0 986 580 805
			1.8	92	AGN				0 986 580 805
	12.96 - 06.03	4	1.8	110	AGU				0 986 580 805
	08.98 - 04.03	4	1.8	92	APG				0 986 580 805
	05.00 - 04.02	4	1.6	75	AVU				0 986 580 805
	05.00 - 06.03	4	1.8	110	AUM				0 986 580 805
	05.02 - 06.03	4	1.6	75	BFQ				0 986 580 805
A4 Quattro									
8D2, B5	11.94 - 12.98	4	1.8	110	AEB				0 986 580 161
	11.94 - 04.99	4	1.8	92	ADR				0 986 580 161
	03.96 - 07.98	6	2.8	142	ACK				0 986 580 161
	08.97 - 07.98	6	2.4	121	AGA				0 986 580 161
	02.99 - 06.00	6	2.8	142	APR				0 986 580 161
	02.99 - 10.00	6	2.4	121	APS				0 986 580 161
A4 Quattro Avant									
8D5, B5	11.94 - 07.98	6	2.6	110	ABC				0 986 580 161
	11.94 - 04.99	4	1.8	92	ADR				0 986 580 161
	03.96 - 07.98	6	2.8	142	ACK				0 986 580 161
A6									
4A2, C4	06.94 - 10.97	6	2.6	110	ABC				BFP081
			2.8	128	AAH				BFP081
4B2, C5	06.01 - 05.04	6	2.4	125	BDV		FOH		0 986 580 805
			3.0	160	BBJ		FOH		0 986 580 805
				162	ASN		FOH		0 986 580 805
A6 Avant									
4A5, C4	06.94 - 06.96	6	2.6	110	ABC				BFP081
A6 Quattro									
4A2, C4	06.94 - 10.97	6	2.6	110	ABC				BFP081
			2.8	128	AAH				BFP081
A8 Quattro									
4E, D3	06.05→	6	3.2	191	BPK				0 580 254 910
Cabriolet									
8G7, B4	01.93 - 09.98	4	2.0	85	ABK				
					Chassis	01.93 - 10.94			0 580 254 910
					→8G..S..002 000				
					Chassis	10.94 - 09.98			0 580 254 051
					8G..S..002 001→				
	01.94 - 08.00	6	2.6	110	ABC				
					Chassis	01.94 - 10.94			0 580 254 910
					→8G..S..002 000				
					Chassis	10.94 - 08.00			0 580 254 051
					8G..S..002 001→				
Fox									
	08.78 - 07.80	4	1.6	61	YG, YH				
					Chassis	08.78 - 02.79			0 580 254 909
					→819..2168 076				
S4									
4A2, C4	07.92 - 07.94	5	2.2	169	AAN				BFP081
V8 Quattro									
44, 4C, D11	09.90 - 12.92	8	3.6	184	PT				BFP081
80									
81, 85, B2	08.83 - 03.87	4	1.8	66	JN				0 580 254 910
89, 8A2, B3	09.86 - 12.91	4	1.8	66	JN				0 580 254 910
	09.87 - 07.88	4	1.9	83	SD				0 580 254 910
	08.88 - 10.90	4	2.0	83	3A				0 580 254 910
8C2, B4	09.91 - 11.94	5	2.3	98	NG				0 580 254 040
	09.91 - 05.95	4	2.0	85	ABK				BFP081
		6	2.8	128	AAH				BFP081
		07.92 - 05.95	6	2.6	110	ABC			



AUDI

80 Quattro							
89, 8A2, B3	09.86 - 07.88	4	1.9	83	SD		0 580 254 910
8C2, B4	09.91 - 11.94	5	2.3	98	NG	0 580 254 040	
	09.91 - 12.94	4	2.0	85	ABK		BFP081
	09.91 - 05.95	6	2.8	128	AAH		BFP081
	07.92 - 05.95	6	2.6	110	ABC		BFP081
	02.93 - 05.95	5	2.2	169	ABY		BFP081
90							
89, 8A2, B3	04.87 - 12.91	5	2.3	98	NG		0 580 254 910
	08.88 - 12.91	5	2.3	125	7A		0 580 254 910
90 Quattro							
89, 8A2, B3	04.87 - 09.91	5	2.3	98	NG		0 580 254 910
	07.88 - 09.91	5	2.3	125	7A		0 580 254 910
100							
44, 44Q, C3	08.82 - 07.84	5	2.2	96	KF	0 580 254 040	
	08.84 - 12.88	5	2.2	101	HX	0 580 254 040	
	09.84 - 12.90	5	2.2	101	KU	0 580 254 040	
	08.86 - 11.90	5	2.3	100	NF	0 580 254 040	
	10.86 - 12.90	5	2.3	100	NF	0 580 254 040	
4A2, C4	12.90 - 07.94	6	2.8	128	AAH		BFP081
	04.92 - 07.94	6	2.6	110	ABC		BFP081
100 Quattro							
44, 44Q, C3	08.84 - 11.90	5	2.2	101	KU	0 580 254 040	
4A2, C4	03.92 - 07.94	6	2.6	110	ABC		BFP081
200							
43, C2	08.81 - 09.82	5	2.2	125	KJ		0 580 254 910
44, C3	08.83 - 09.86	5	2.2	134	JY	0 580 254 040	
	08.85 - 12.91	5	2.2	121	MC	0 580 254 040	
200 Quattro							
44, C3	01.85 - 12.90	5	2.2	121	MC	0 580 254 040	

BENTLEY

Brooklands							
	07.93 - 07.98	8	6.8	182	L 410 MN 1T	0 580 254 918	
Mulsanne							
	01.81 - 12.86	8	6.8		V8		0 580 254 909
	10.86 - 05.90	8	6.8	232	V8	10.86 - 09.89	0 580 254 938
						10.89 - 05.90	0 580 254 918
Turbo R							
	11.91 - 03.93	8	6.8	232	V8	0 580 254 918	
	04.93 - 07.95	8	6.8	265	L 410 MT	0 580 254 918	
	07.95 - 07.99	8	6.8	286	L 410 MT 1T	0 580 254 918	

BMW

M3							
E 36	09.92 - 12.94	6	3.0	210	30 6S 1	RAB	BFP053
	09.92 - 09.95	6	3.0	210	30 6S 1	RAB	BFP053
M5							
E 34	10.88 - 12.93	6	3.5	232	36 6S 1	TW	0 580 314 123
							0 580 464 995
	11.90 - 12.94	6	3.5	232	36 6S 1	TW	0 580 314 123
							0 580 464 995
E 60	11.04→	10	5.0	373	S85 B50A	RAB	0 580 314 090
M6							
E 63	03.05→	10	5.0	373	S85 B50A	RAB	0 580 314 090
X5							
E 53	03.99 - 09.03	8	4.4	210	44 8S 2	FOH,RAB	0 986 580 130
	10.99 - 10.06	6	3.0	170	30 6S 3	FOH,RAB	0 986 580 130
	03.01 - 09.03	6	3.0	135	30 6D 1		0 986 580 131





E 53	02.02 - 09.03	8	4.6	255	46 8S 1	FOH,RAB	0 986 580 130
	10.03 - 10.06	6	3.0	160	30 6D 2	0 986 580 131	
		8	4.4	235	N62 B44A	FOH,RAB	0 986 580 130
3.0Si							
E 3	10.75 - 04.77	6	3.0	143	30 ELA	07.76 - 04.77	BFP070
316i							
E 46	02.02 - 03.04	4	1.8	85	N42 B18A	RAB	0 986 580 132
316ti Compact							
E 46	06.01 - 03.04	4	1.8	85	N42 B18A	RAB	0 986 580 132
	04.04 - 12.04	4	1.6	85	N45 B16A	RAB	0 986 580 132
			1.8	85	N46 B18A	RAB	0 986 580 132
318i							
E 21	03.80 - 05.83	4	1.8	75	18 4E Z		0 580 254 909
E 30	09.87 - 12.91	4	1.8	83-85	18 4E 1	09.87 - 12.87	BFP070
						01.88 - 12.91	BFP019
E 36	12.90 - 02.94	4	1.8	83-85	18 4E 1	RAB	BFP053
	03.92 - 10.96	4	1.8	103	18 4S 1	RAB	BFP053
	09.93 - 12.98	4	1.8	85	18 4E 2	RAB	BFP053
E 46	09.01 - 03.04	4	2.0	105	N42 B20A	RAB	0 986 580 132
	04.04 - 03.05	4	2.0	105	N46 B20...	RAB	0 986 580 132
318i Cabriolet							
E 30	09.90 - 12.93	4	1.8	83	18 4E 1		BFP019
318iS							
E 30	09.89 - 12.91	4	1.8	100	18 4S 1		BFP019
E 36	03.92 - 09.96	4	1.8	103	18 4S 1	RAB	BFP053
	03.93 - 12.96	4	1.8	103	18 4S 1	RAB	BFP053
	03.95 - 12.98	4	1.9	103	19 4S 1	RAB	BFP053
	12.95 - 12.99	4	1.9	103	19 4S 1	RAB	BFP053
	07.96 - 10.98	4	1.8	103	19 4S 1	RAB	BFP053
318ti Compact							
E 46	04.04 - 12.04	4	2.0	105	N46 B20...	RAB	0 986 580 132
320Ci							
E 46	09.00 - 09.06	6	2.2	120-125	22 6S 1	RAB	0 986 580 132
320i							
E 21	06.75 - 12.78	4	2.0	92	M 10 B 20	09.78 - 12.78	0 580 254 909
E 30	09.82 - 09.87	6	2.0	92-95	20 6E B/Z	09.82 - 08.85	BFP070
						09.85 - 08.87	BFP070
	12.85 - 12.91	6	2.0	90-95	20 6E E/K A	12.85 - 08.87	BFP070
						09.87 - 12.91	BFP019
E 36	09.90 - 12.95	6	2.0	110	20 6S 1/2	RAB	BFP053
	10.91 - 10.96	6	2.0	95	20 6S 1/2	RAB	BFP053
E 46	09.00 - 03.05	6	2.2	120-125	22 6S 1	RAB	0 986 580 132
320i Touring							
E 46	09.00 - 09.05	6	2.2	120-125	22 6S 1	RAB	0 986 580 132
323Ci							
E 46	04.98 - 09.00	6	2.5	125	25 6S 4	RAB	0 986 580 132
323Ci Cabriolet							
E 46	03.00 - 09.00	6	2.5	125	25 6S 4	RAB	0 986 580 132
323e							
E 30	01.85 - 12.87	6	2.7	90-95	27 6K A/B	01.85 - 08.85	BFP070
						09.85 - 08.87	BFP070
323i							
E 21	01.78 - 09.82	6	2.3	105	23 6E A	08.78 - 09.82	0 580 254 909
E 30	09.82 - 12.86	6	2.3	102-110	23 6E B/C/W		BFP070
E 36	10.94 - 12.98	6	2.5	125	25 6S 3	RAB	BFP053
	03.95 - 12.99	6	2.5	125	25 6S 3	RAB	BFP053
	10.96 - 10.98	6	2.5	125	25 6S 3	RAB	BFP053
	04.98 - 09.00	6	2.5	125	25 6S 4	RAB	0 986 580 132
323i Cabriolet							
E 36	05.95 - 12.99	6	2.5	125	25 6S 3	RAB	BFP053
325Ci							
E 46	09.00 - 09.06	6	2.5	141	25 6S 5	RAB	0 986 580 132



◀ BMW

325Ci Cabriolet									
E 46	09.00 - 03.07	6	2.5	141	25 6S 5		RAB		0 986 580 132
325i									
E 30	12.86 - 12.91	6	2.5	125	25 6K 1	12.86 - 08.87 09.87 - 12.91			BFP070 BFP019
E 36	09.90 - 12.95	6	2.5	141	25 6S 1/2		RAB		BFP053
	04.91 - 08.95	6	2.5	138	25 6S 1/2		RAB		BFP053
	03.92 - 12.95	6	2.5	141	25 6S 1/2		RAB		BFP053
	04.92 - 08.93	6	2.5	138	25 6S 2		RAB		BFP053
E 46	09.00 - 03.05	6	2.5	141	25 6S 5		RAB		0 986 580 132
325i Cabriolet									
E 36	03.93 - 12.95	6	2.5	141	25 6S 2		RAB		BFP053
325ti Compact									
E 46	06.01 - 12.04	6	2.5	141	25 6S 5		RAB		0 986 580 132
328Ci									
E 46	04.98 - 09.00	6	2.8	142	28 6S 2		RAB		0 986 580 132
328i									
E 36	10.94 - 12.98	6	2.8	142	28 6S 1		RAB		BFP053
	03.95 - 12.99	6	2.8	142	28 6S 1		RAB		BFP053
	08.95 - 10.98	6	2.8	148	28 6S 1		RAB		BFP053
E 46	11.98 - 09.00	6	2.8	142	28 6S 2		RAB		0 986 580 132
328i Cabriolet									
E 36	03.95 - 12.99	6	2.8	142	28 6S 1		RAB		BFP053
330Ci									
E 46	05.00 - 09.06	6	3.0	170	30 6S 3		RAB		0 986 580 132
330Ci Cabriolet									
E 46	05.00 - 03.07	6	3.0	170	30 6S 3		RAB		0 986 580 132
330i									
E 46	05.00 - 03.05	6	3.0	170	30 6S 3		RAB		0 986 580 132
520i									
E 34	09.89 - 12.95	6	2.0	110	20 6S 1/2		TW		0 580 314 123 0 580 464 995
E 60	09.07→	4	2.0	125	N43 B20A		FMH,RAB		0 580 202 013
							FOH,RAB		0 580 202 012
523i									
E 39	09.95 - 09.00	6	2.5	125	25 6S 3/4		RAB		0 986 580 129
E 60	03.05→	6	2.5	130	N52 B25...		FMH,RAB		0 580 314 105
							FOH,RAB		0 580 314 106
525e									
E 28	12.84 - 12.87	6	2.7	90-95	27 6K A/B		ITV		BFP070
							OIT		BFP070
525i									
E 34	01.88 - 12.90	6	2.5	125	25 6K 1		TW		0 580 314 123 0 580 464 995
									0 580 314 123 0 580 464 995
	09.89 - 12.95	6	2.5	141	25 6S 1/2		TW		0 580 314 123 0 580 464 995
									0 580 314 123 0 580 464 995
E 39	09.00 - 07.03	6	2.5	141	25 6S 5		RAB		0 986 580 129
E 60	09.03 - 03.05	6	2.5	141	25 6S 5		FMH,RAB		0 580 314 026
							FOH,RAB		0 580 314 028
	03.05→	6	2.5	160	N52 B25...		FMH,RAB		0 580 314 105
							FOH,RAB		0 580 314 106
528i									
E 12	04.77 - 07.81	6	2.8	130-135	M 30 B 28				BFP070
E 28	06.81 - 12.87	6	2.8	135	M 30 B 28		ITV		BFP070
							OIT		BFP070
E 39	09.95 - 09.00	6	2.8	142	28 6S 1/2		RAB		0 986 580 129
528i Touring									
E 39	01.97 - 09.00	6	2.8	142	28 6S 1/2		RAB		0 986 580 129



530d										
E 60	09.05 - 03.07	6	3.0	170	30 6D 3		FMH,RAB		0 580 303 041	
							FOH,RAB		0 580 303 043	
							LAB		0 580 303 042	
530i										
E 39	09.00 - 07.03	6	3.0	170	30 6S 3		RAB		0 986 580 129	
E 60	07.03 - 03.05	6	3.0	170	30 6S 3		FMH,RAB		0 580 314 026	
							FOH,RAB		0 580 314 028	
	03.05→	6	3.0	190	N52 B30...		FMH,RAB		0 580 314 105	
							FOH,RAB		0 580 314 106	
530i Touring										
E 39	09.00 - 05.04	6	3.0	170	30 6S 3		RAB		0 986 580 129	
E 61	03.05→	6	3.0	190	N52 B30...		FMH,RAB		0 580 314 105	
							FOH,RAB		0 580 314 106	
535i										
E 28	01.85 - 12.87	6	3.4	136-141	34 6K A		ITV		BFP070	
							OIT		BFP070	
E 34	01.88 - 12.93	6	3.5	155	34 6K B		TW		0 580 314 123	
									0 580 464 995	
E 39	01.96 - 07.03	8	3.5	173-180	35 8S 1/2		RAB		0 986 580 129	
540i										
E 39	01.96 - 07.03	8	4.4	210	44 8S 1/2		RAB		0 986 580 129	
E 60	09.05→	8	4.0	225	N62 B40A		FMH,RAB		0 580 314 026	
							FOH,RAB		0 580 314 028	
545i										
E 60	09.03 - 09.05	8	4.4	245	N62 B44A		FMH,RAB		0 580 314 026	
							FOH,RAB		0 580 314 028	
550i										
E 60	09.05→	8	4.8	270	N62 B48B		FMH,RAB		0 580 314 026	
							FOH,RAB		0 580 314 028	
633CSi										
E 24	04.76 - 09.79	6	3.2	147	M 30 B 32	10.77 - 09.79			BFP070	
	09.79 - 12.81	6	3.2	145	M 30 B 32				BFP070	
635CSi										
E 24	01.85 - 04.89	6	3.4	136-155	M 30 B 35 Kat.		ITV		BFP070	
							OIT		BFP070	
645Ci										
E 63	01.04 - 09.05	8	4.4	245	N62 B44A		RAB		0 580 314 028	
645Ci Cabriolet										
E 64	04.04 - 09.05	8	4.4	245	N62 B44A		RAB		0 580 314 028	
650i										
E 63	09.05→	8	4.8	270	N62 B48B		RAB		0 580 314 028	
650i Cabriolet										
E 64	09.05→	8	4.8	270	N62 B48B		RAB		0 580 314 028	
730i, 730iL										
E 32	09.86 - 06.94	6	3.0	136-145	30 6K A				0 580 464 995	
735i										
E 23	01.85 - 08.86	6	3.4	136-141	34 6K A		ITV		BFP070	
							OIT		BFP070	
735i, 735iL										
E 32	09.86 - 12.92	6	3.4	155-162	34 6E C/K B				0 580 464 995	
750i, 750iL										
E 32	09.87 - 10.94	12	5.0	220	50 12 A		ZE		0 580 314 069	
840CSi										
E 31	08.92 - 10.96	12	5.6	279-280	56 12 1		ZE		0 580 314 069	
850i, 850Ci										
E 31	07.89 - 12.94	12	5.0	220	50 12 A		ZE		0 580 314 069	



CITROEN

Berlingo										
M49	07.96 - 11.02	4	1.4	55	KFX					
					Org. →8091	07.96 - 01.99		0 986 580 171		
					Org. 8610→	06.00 - 11.02		0 986 580 310		
M59	11.02→	4	1.4	55	KFW				0 986 580 310	
BX										
X56	03.86 - 12.94	4	1.9	75-77	DFZ Kat.					
					Org. →4206	03.86 - 04.88		BFP070		
					Org. 4207→	04.88 - 12.94		BFP070		
	03.88 - 03.93	4	1.9	108	DFW Kat.					
					Org. →4206	03.88 - 04.88		BFP070		
Org. 4207→					04.88 - 03.93		BFP070			
CX										
	06.77 - 06.82	4	2.4	94-96	M23-622					
					Org. →4206			BFP070		
	07.80 - 12.81	4	2.4	88	M23-639					
					Org. →4206			BFP070		
	07.83 - 12.92	4	2.5	96-100	M25-659					
					Org. →4206	07.83 - 12.87		BFP070		
					Org. 4207→	07.85 - 01.88		BFP070		
C2										
A6	09.03→	4	1.6	80	NFU		MXF		0 580 314 017	
	10.04→	4	1.6	90	NFS		MXF		0 580 314 017	
C3										
A8	01.02 - 08.05	4	1.4	55	KFV					
					Org. →9610	01.02 - 03.03		0 580 313 096		
					Org. 9611→	04.03 - 08.05		0 580 314 035		
					1.6	80	NFU			
					Org. →9610	01.02 - 03.03		0 580 313 096		
					Org. 9611→	04.03 - 08.05		0 580 314 035		
A31	09.05→	4	1.4	54	KFV				0 580 314 035	
			1.6	80	NFU			0 580 314 035		
C4										
B5	11.04→	4	1.6	80	NFU				0 986 580 257	
			2.0	103	RFJ			0 986 580 257		
				130	RFK			0 986 580 257		
C5										
X4	03.01 - 09.04	4	2.0	80	RHZ		OZH		0 986 580 215	
				100	RFN			0 986 580 257		
				6	3.0	150	XFX		0 986 580 257	
	06.01 - 09.04	4	2.0	80	RHZ		OZH		0 986 580 215	
				100	RFN			0 986 580 257		
				6	3.0	150	XFX		0 986 580 257	
X3	10.04→	4	2.0	103	RFJ		MXF		0 986 580 257	
			2.2	98	4HX		OZH		0 986 580 215	
			6	3.0	155	XFU			0 986 580 257	
C6										
X6	11.05→	6	3.0	155	XFV		MXF		0 986 580 138	
							OXF		0 986 580 142	
Xantia										
X1	03.93 - 01.98	4	2.0	89-90	RFX Kat.				0 986 580 185	
	12.94 - 01.98	4	2.0	97	RFV				0 986 580 185	
	05.95 - 01.98	4	2.0	108-110	RGX				0 986 580 185	
X2	12.97 - 12.01	4	2.0	89-90	RFX				0 986 580 219	
				97	RFV			0 986 580 219		
				108-110	RGX			0 986 580 219		
Xantia Break										
X1	09.95 - 01.98	4	2.0	89-90	RFX Kat.				0 986 580 185	
X2	01.98 - 12.01	6	3.0	140	XFZ				0 986 580 219	





XM						
Y3	05.89 - 06.93	6	3.0	123-125	SFZ,S6A	0 580 314 066
Xsara						
N6	07.97 - 08.00	4	1.6	65-66	NFZ	0 986 580 220
			1.8	74-75	LFZ	0 986 580 220
				81-82	LFY	0 986 580 220
			2.0	97	RFV	0 986 580 220
				120-123	RFS	0 986 580 220
N7	09.00→	4	1.6	80	NFU	0 986 580 220
			2.0	100	RFN	0 986 580 220
				120	RFS	0 986 580 220

DAEWOO

Espero						
KLEJ	09.93 - 10.94	4	2.0	81	C20LE	0 986 580 506
	01.95 - 10.99	4	2.0	77	C20LE	0 986 580 506

DAIMLER LTD.

Sovereign						
	03.79 - 12.89	6	4.2	150		BFP070

FERRARI

BB512						
	07.81 - 08.84	12	4.9	237	F 110 A	0 580 254 947
F50						
	07.95→	12	4.7	383		0 580 464 990
Mondial						
	05.80 - 06.82	8	2.9	158	F 106 B..	0 580 254 975
	06.82 - 06.85	8	2.9	177	F 105 A..	0 580 254 910
	01.86 - 12.87	8	3.2	191	F 105 C..Kat.	0 580 254 947
	10.89 - 02.94	8	3.4	221	F 119 D	0 580 254 011
	02.90 - 02.94	8	3.4	221	F 119 D	0 580 254 011
308GTB						
	07.81 - 06.85	8	2.9	157	F 106 B	0 580 254 975
					07.81 - 10.83	0 580 254 975
					11.83 - 06.85	0 580 254 947
328GTS						
	09.85 - 12.87	8	3.2	199	F 105 C..	0 580 254 947
	09.85 - 09.89	8	3.2	188	F 105 C..	0 580 254 947
	04.86 - 12.88	8	3.2	195	F 105 C..	0 580 254 947
348						
	02.90 - 04.94	8	3.4	217-221	F 119 F 000	0 580 254 011
	08.90 - 04.94	8	3.4	217-221	F 119 F 000	0 580 254 011
355						
	05.94 - 10.95	8	3.5	280	F129B/40	0 580 254 011
	10.95→	8	3.5	280	F129C/40	0 580 254 011
360						
	03.99 - 12.04	8	3.5	298	F131	0 580 313 052
	06.00→	8	3.5	294	F131B	0 580 313 052
400						
	05.79 - 03.85	12	4.8	232	F 101..	0 580 254 975
412						
	06.85 - 12.88	12	4.9	250	F 101 E..	0 580 254 011
					06.85 - 05.86	0 580 254 011
					06.86 - 12.88	0 580 254 005
456						
	03.96 - 12.04	12	5.5	325	F 116 V12	0 580 464 990
456GT						
	01.93 - 03.96	12	5.5	325	F 116 B 00	0 580 464 990





FERRARI

512	01.92 - 10.94	12	5.0	315	F 113 D 00/40	0 580 254 011
550	10.96→	12	5.5	357	F 133	0 580 464 990

FIAT

Argenta						
81	06.81 - 12.82	4	2.0	90	132 C 3.000	BFP070
83	06.83 - 11.85	4	2.0	90	132 C..	BFP070
Croma						
154..	03.88 - 12.89	4	2.0	83	834 B.048	0 580 464 996
Ducato						
243..	04.02 - 08.06	4	2.3	81	F1AE0481C	0 580 303 016
244..	04.02 - 08.06	4	2.3	81	F1AE0481C	0 580 303 016
			2.8	94	8140.43S	0 580 303 016
250..	06.06→	4	2.3	88	F1AE0481D	FOH 0 580 303 077
Ducato 18						
245..	04.02 - 08.06	4	2.3	81	F1AE0481C	0 580 303 016
Punto						
199..	10.05→	4	1.4	57	350 A 1.000	0 580 314 137
	06.06→	4	1.4	55	199 A 7.000	0 580 314 137
124	06.79 - 04.85	4	2.0	77	132 C 3.031	BFP070

FORD

Capri Convertible						
SA	10.89 - 09.90	4	1.6	61	F	BFP009
SA II	10.90 - 03.92	4	1.6	77	D	BFP009
				100	T	BFP009
SC	04.92 - 07.93	4	1.6	77	D	BFP009
	07.92 - 07.93	4	1.6	100	T	BFP009
SE	08.93 - 07.94	4	1.6	77	D	BFP009
				100	T	BFP009
Corsair						
UA	09.88 - 08.92	4	2.0	83	CA20E	BFP472
			2.4	96	KA24E	BFP472
Courier						
PC	03.96 - 05.99	4	2.6	92	G6	0 580 453 477 BFP473
PD	03.96 - 11.99	4	2.6	92	G6	0 580 453 477
Fairlane						
ZL	09.84 - 05.88	6	4.1	120	T	0 580 464 998
NA	06.88 - 09.89	6	3.9	139	P	BFP472
NA II	10.89 - 06.91	6	3.9	139	P	BFP472
NC	07.91 - 02.92	6	3.9	139	P	BFP472
		8	5.0	165	Z	BFP472
NC II	03.92 - 02.95	6	4.0	148	H	BFP472
		8	5.0	165	Z	BFP472
NF	03.95 - 09.95	6	4.0	157	H	BFP472
		8	5.0	165	Z	BFP472
NF II	10.95 - 08.96	6	4.0	157	H	BFP472
		8	5.0	165	Z	BFP472
NL	09.96 - 02.99	6	4.0	157	H	09.96 - 02.98 BFP472
				162	X	09.96 - 02.98 BFP472
AU	02.99 - 06.00	6	4.0	168	Y	BFP105
		8	5.0	175	Z	BFP105
AU II	07.00 - 02.03	6	4.0	168	Y	BFP105
		8	5.0	175	Z	BFP105
BA	07.03 - 02.05	6	4.0	182	H	BFP102
		8	5.4	220	Z	BFP102



**Falcon / Fairmont**

XF	09.84 - 10.87	6	3.3	90	V		0 580 464 998
			4.1	120	T	KOB	BFP070
					Y	SED	0 580 464 998
						KOB	BFP070
						SED	0 580 464 998
EA	03.88 - 12.88	6	3.2	92	A		BFP507
	03.88 - 09.89	6	3.9	120	D		BFP507
				139	P		BFP472
EA II	10.89 - 06.91	6	3.9	120	D		BFP507
				139	P		BFP472
EB	07.91 - 02.92	6	3.9	120	D		BFP507
				139	P		BFP472
		8	5.0	165	Z		BFP472
EB II	03.92 - 07.93	6	4.0	148	H		BFP472
		8	5.0	165	Z		BFP472
						KOB	BFP106
						SED	BFP472
	10.92 - 04.93	8	5.0	200	J		BFP472
ED	08.93 - 08.94	6	4.0	148	H	KOB	BFP106
						SED	BFP472
		8	5.0	165	Z	KOB	BFP106
						SED	BFP472
EF	09.94 - 09.95	6	4.0	157	H	KOB	BFP106
						SED	BFP472
		8	5.0	165	Z	KOB	BFP106
						SED	BFP472
EF II	10.95 - 08.96	6	4.0	157	H	KOB	BFP106
						SED	BFP472
				164	X	KOB	BFP106
						SED	BFP472
		8	5.0	165	Z	KOB	BFP106
						SED	BFP472
EL	09.96 - 08.98	6	4.0	157	H	KOB	BFP106
						SED	BFP472
				162	X		BFP472
		8	5.0	165	Z		BFP106
						KOB	BFP106
						SED	BFP472
AU	09.98 - 03.00	6	4.0	157	H		BFP105
		8	5.0	175	Z		BFP105
AU II	04.00 - 03.01	6	4.0	157	H		BFP105
				164	X		BFP105
		8	5.0	175	Z		BFP105
AU III	04.01 - 09.02	6	4.0	157	H		BFP105
		8	5.0	175	Z		BFP105
BA	10.02 - 09.04	6	4.0	182	H		BFP102
		8	5.4	220	Z		BFP102
Falcon Utility							
XG	03.93 - 03.96	6	4.0	148	H		BFP472
XH	04.96 - 11.99	6	4.0	148	H		BFP472
BA	10.02 - 09.04	6	4.0	182	H		BFP102
		8	5.4	220	Z		BFP102
BA II	10.04 - 09.05	6	4.0	182	H		BFP102
		8	5.4	220	Z		BFP102
Falcon Utility XR6							
XG	10.93 - 03.96	6	4.0	161	X		BFP472
BA	10.02 - 09.04	6	4.0	182	H		BFP102
BA II	03.05 - 09.05	6	4.0	182	H		BFP102
Falcon Utility XR8							
BA	10.02 - 09.04	8	5.4	260	Z		BFP102
BA II	03.05 - 09.05	8	5.4	260	Z		BFP102



Falcon XR6

Bosch Automotive Aftermarket



DF II	10.95 - 08.96	6	4.0	157	H				BFP472
		8	5.0	165	Z				BFP472
AU II	06.00 - 06.03	8	5.0	185	Z				BFP105
Meteor									
GC	10.85 - 10.87	4	1.6	61	F				BFP009
Mondeo									
93	03.95 - 07.96	4	2.0	100	NGA		FMB		0 986 580 405
97	08.96 - 09.00	4	2.0	96	NGD	08.97 - 09.00	FOB		0 986 580 404
		6	2.5	125	SEA	08.97 - 09.00	FOB		0 986 580 404
	08.98 - 09.00	4	2.0	96	NGB		FOB		0 986 580 404
Probe									
	04.94 - 07.97	6	2.5	120	KL			0 580 453 477	
Telstar									
AT	10.87 - 10.89	4	2.2	84	T				BFP009
AV	01.90 - 10.91	4	2.2	84	T				BFP009
AX	01.92 - 08.94	4	2.0	85	N				BFP474
		6	2.5	121	U				BFP474
	12.92 - 08.94	4	2.0	85	N				BFP474
AY	09.94 - 11.96	4	2.0	85	N				BFP474
		6	2.5	121	U				BFP474
Telstar Turbo									
AT	10.87 - 10.89	4	2.2	100	T				BFP009
AV	01.90 - 10.91	4	2.2	108	T				BFP009

HOLDEN

Apollo									
JK	08.89 - 07.91	4	2.0	88	3SFE				BFP012
JL	08.91 - 02.93	4	2.0	88	3SFE				BFP012
JM	04.93 - 07.95	4	2.2	93	5SFE			0 986 580 091	
		6	3.0	136	3VZFE			0 986 580 091	
JP	08.95 - 05.97	4	2.2	93	5SFE			0 986 580 091	
		6	3.0	136	3VZFE			0 986 580 091	
Astra									
LD	07.87 - 07.89	4	1.6	55	16LF				0 986 580 087
			1.8	79	18LE				0 986 580 086
	10.87 - 07.89	4	1.6	55	16LF				0 986 580 087
			1.8	79	18LE				0 986 580 086
TR	09.96 - 09.98	4	1.6	74	C16SE				BFP097
			1.8	85	C18SEL				BFP097
			2.0	100	X20XEV				BFP097
TS	10.98 - 11.00	4	1.8	85	X18XE1				
					Chassis Y2042871→, Y5052847→, Y8038291→	BET		0 580 453 465	
					Chassis →Y2042870, →Y5052846, →Y8038290	BET		BFP097	
	02.99 - 11.00	4	1.8	85	X18XE1				
					Chassis Y2042871→, Y5052847→, Y8038291→	BET		0 580 453 465	
					Chassis →Y2042870, →Y5052846, →Y8038290	BET		BFP097	
	09.00 - 08.05	4	2.2	108	Z22SE		BET	0 580 453 489	
	12.00 - 09.04	4	1.8	90	Z18XE			0 580 453 465	
AH	03.04→	4	1.8	92	Z18XE				0 580 314 082
	08.05→	4	1.8	103	Z18XER				
					Chassis →62, →65, →68				0 580 314 082
					Chassis 62→, 65→, 68→				0 580 314 195

Astra Convertible									
TS	09.00 - 08.05	4	2.2	108	Z22SE		BET	0 580 453 489	
	05.03 - 12.04	4	2.0	141-147	Z20LET		BET	0 580 453 489	
Astra Coupe									
TS	09.00 - 08.05	4	2.2	108	Z22SE		BET	0 580 453 489	



◀ HOLDEN

Barina							
SB	04.94 - 07.97	4	1.2	33	C12NZ	BFP509	
			1.4	44	C14NZ	BFP509	
	12.95 - 09.98	4	1.6	78	X16XE	BFP097	
	08.97 - 03.01	4	1.4	60	C14SE	BFP097	
Calibra							
YE	09.91 - 07.95	4	2.0	85	C20NE	BFP070	
				110	C20XE	BFP070	
	09.91 - 10.97	4	2.0	150	C20LET	BFP070	
	08.95 - 10.97	4	2.0	100	X20XEV	BFP070	
		6	2.5	125	C25XE, X25XE	BFP097	
Camira							
JD	11.85 - 01.86	4	1.8	85	JU	0 580 464 085	
Caprice							
VQ	03.90 - 10.91	8	5.0	165	VU	BFP772	
						BO	BFP070
VQ II	12.91 - 02.94	6	3.8	128	VH	BFP772	
		8	5.0	165	VU	BO	BFP070
VR	03.94 - 08.94	6	3.8	130	VH	BFP772	
		8	5.0	165	VU	BFP772	
VR II	09.94 - 04.95	6	3.8	130	VH	BFP772	
		8	5.0	165	VU	BFP772	
VS	03.95 - 08.96	8	5.0	165	VU	BFP772	
	04.95 - 08.96	6	3.8	147	VH	BFP772	
VS II	09.96 - 04.98	8	5.0	165	VU	BFP772	
	09.96 - 05.98	6	3.8	147	VH	BFP772	
VS III	05.98 - 06.99	8	5.0	165	VU	BFP772	
	06.98 - 05.99	6	3.8	147	VH	BFP772	
WH	06.99 - 07.01	6	3.8	171	VS S/C	BFP101	
		8	5.7	220	VF	BFP100	
WH II	08.01 - 04.03	6	3.8	147	VH	BFP102	
Combo							
SB	02.96 - 06.97	4	1.4	44	C14NZ	BFP509	
	08.97 - 12.02	4	1.4	60	C14SE	BFP097	
Commodore / Calais							
VK	02.84 - 12.85	6	3.3	106	3.3L EFI (Black)	BFP070	
VL	01.86 - 07.88	6	3.0	114	RB30E	BFP070	
				154	RB30ET	BFP070	
VN	08.88 - 02.90	6	3.8	127	VH	BFP772	
		8	5.0	165	VU	BFP070	
	08.88 - 09.91	6	3.8	127	VH	BO,FFP	BFP070
		8	5.0	165	VU	BFP070	
						KOB	BFP772
VN II	03.90 - 09.91	6	3.8	127	VH	BFP772	
		8	5.0	165	VU	BFP070	
VP	10.91 - 12.92	6	3.8	128	VH	BFP772	
		8	5.0	165	VU	BFP070	
						KOB	BFP772
VP II	01.93 - 06.93	6	3.8	128	VH	BFP772	
	02.93 - 06.93	6	3.8	128	VH	BFP772	
		8	5.0	165	VU	BFP772	
VR	07.93 - 08.94	6	3.8	130	VH	BFP772	
		8	5.0	165	VU	BFP772	
VR II	09.94 - 03.95	6	3.8	130	VH	BFP772	
		8	5.0	165	VU	BFP772	
VS	04.95 - 05.96	6	3.8	147	VH	BFP772	
		8	5.0	165	VU	BFP772	
VS II	06.96 - 07.97	6	3.8	147	VH	BFP772	
		8	5.0	165	VU	BFP772	
VT	09.97 - 05.99	6	3.8	147	VH	BFP470	
				171	VS S/C	BFP101	
		8	5.0	180	VM	BFP470	
				195	VM High Performance	BFP470	



VT II	06.99 - 08.00	6	3.8	147	VH		BFP470
				171	VS S/C		BFP101
		8	5.7	220	VF		BFP100
VX	10.00 - 07.01	6	3.8	171	VS S/C		BFP101
		8	5.7	225	VF		BFP100
VX II	08.01 - 09.02	6	3.8	152	VH		BFP102
				171	VS S/C		BFP102
		8	5.7	225	VF		BFP103
Commodore Utility							
VG	08.90 - 08.91	8	5.0	165	VU		BFP772
VP	09.91 - 06.93	6	3.8	128	VH		BFP772
		8	5.0	165	VU		BFP772
VR	07.93 - 03.95	6	3.8	130	VH		BFP772
		8	5.0	165	VU		BFP772
VS	04.95 - 05.96	6	3.8	147	VH		BFP772
		8	5.0	165	VU		BFP772
VS II	06.96 - 07.97	6	3.8	147	VH		BFP772
		8	5.0	165	VU		BFP772
VS III	05.98 - 12.00	6	3.8	147	VH		BFP772
		8	5.0	165	VU		BFP772
VU	12.00 - 07.01	6	3.8	152	VH		BFP102
		8	5.7	225	VF		BFP104
VU II	08.01 - 09.02	6	3.8	152	VH		BFP102
VY	10.02 - 07.03	6	3.8	152	VH		BFP102
		8	5.7	235	VF		BFP104
VY II	08.03 - 08.04	6	3.8	152	VH		BFP102
Nova							
LF	09.91 - 10.94	4	1.6	76	4AFE		BFP011
	10.92 - 10.94	4	1.8	86	7AFE		BFP011
LG	09.94 - 09.96	4	1.6	76	4AFE	0 986 580 091	
			1.8	86	7AFE	0 986 580 091	
Statesman							
VQ	03.90 - 10.91	8	5.0	165	VU	BO	BFP070
VQ II	12.91 - 02.94	6	3.8	128	VH		BFP772
		8	5.0	165	VU	BO	BFP070
VR	03.94 - 04.95	6	3.8	130	VH		BFP772
		8	5.0	165	VU		BFP772
VS	03.95 - 08.96	6	3.8	147	VH		BFP772
		8	5.0	165	VU		BFP772
VS II	09.96 - 04.98	6	3.8	147	VH		BFP772
	09.96 - 05.98	8	5.0	165	VU		BFP772
VS III	05.98 - 06.99	6	3.8	147	VH		BFP772
		8	5.0	165	VU		BFP772
WH	06.99 - 07.01	6	3.8	171	VS S/C		BFP101
		8	5.7	220	VF		BFP100
WH II	08.01 - 04.03	6	3.8	147	VH		BFP102
Tigra							
B	09.04→	4	1.8	92	Z18XE		0 986 580 807
Vectra							
JR	06.97 - 07.98	4	2.0	100	C20SEL	0 580 453 465	BFP097
		6	2.5	125	X25XE		BFP097
JS	08.98 - 06.99	4	2.0	100	C20SEL		BFP097
			2.2	104	C22SEL	0 580 453 465	BFP097
		6	2.5	125	X25XE		BFP097
JS II	07.99 - 08.00	6	2.5	125	X25XE		BFP097
	07.99 - 09.02	4	2.0	100	C20SEL		BFP097
			2.2	104	C22SEL	0 580 453 465	BFP097
	09.00 - 09.02	6	2.6	130	Y26SE	BET	0 580 453 465
ZC	08.02→	6	3.2	155	Z32SE		0 986 580 807
Zafira							
TT	09.00 - 08.05	4	2.2	108	Z22SE	BET	0 580 453 489



HONDA

Accord						
AC/AD/SY	09.81 - 10.84	4	1.6	59	EL	0 986 580 008
CA/CB/CD	11.90 - 09.93	4	2.2	94	F22A5	F 00E 170 260
City						
AA	09.84 - 10.86	4	1.2	41	ER4	0 986 580 005
	01.85 - 10.86	4	1.2	33	ER1	0 986 580 005
Civic						
ED/EE	11.87 - 05.92	4	1.6	96	D16A8	F 00E 170 260
Integra						
	06.86 - 05.89	4	1.6	90	D16A3	F 00E 170 260
DA	06.89 - 07.93	4	1.8	96	B18A1	F 00E 170 260
Legend						
KA/HS	10.87 - 02.91	6	2.7	124-128	C27A1	0 986 580 038
KA	03.91 - 04.96	6	3.2	145	C32A3	F 00E 170 260
Prelude						
BA	10.87 - 12.91	4	2.0	106	B20A6	F 00E 170 260
BB	12.91 - 12.96	4	2.2	96	F22A1	F 00E 170 260
	01.97→	4	2.2	118	F22A6	F 00E 170 260

HSV (HOLDEN SPECIAL VEHICLES)

Clubsport						
VN	08.88 - 10.91	8	5.0	180	VU	BFP070
Group A						
VN	06.91 - 12.91	8	5.0	220	VU	BFP070
Group A (Walkinshaw)						
VL	02.88 - 12.88	8	5.0	180	VU	BFP070

HYUNDAI

Accent						
LC	05.00 - 02.03	4	1.5	76	G4EC-G	0 580 453 470
	03.03 - 03.06	4	1.6	78	G4ED-G	0 580 453 470
Coupe						
RD	05.96 - 09.01	4	2.0	100-102	G4GF	0 580 453 477
Excel						
X2	02.90 - 07.94	4	1.5	62	G4DJ	0 580 453 611
X3	07.94 - 07.99	4	1.5	65-68	G4EK	03.95 - 07.99 0 986 580 509
	11.95 - 07.99	4	1.5	73	G4FK	0 986 580 509
Getz						
TB	03.03 - 08.05	4	1.3	60-63	G4E-A	0 580 453 470
	09.05→	4	1.4	71	G4EE-G	0 580 453 470
	10.05→	4	1.6	77	G4ED-G	0 580 453 470
Lantra						
J1	10.90 - 04.95	4	1.6	78-84	G4CR	0 580 453 477
					G4DJ	0 580 453 477
	06.92 - 04.95	4	1.8	93	G4CN	0 580 453 477
J2	05.95 - 09.00	4	1.8	94	G4GM	0 580 453 477
				101	G4GM	0 580 453 477
	08.96 - 09.00	4	2.0	102	G4GF	0 580 453 477
Santa Fe						
SM	02.00 - 12.05	4	2.4	100	G4JSX	0 580 453 470
CM	03.06→	6	2.7	139	G6EA	0 580 453 470
Scoupe						
	02.90 - 06.92	4	1.5	62	G4DJ	0 580 453 443
	07.92 - 04.95	4	1.5	65-68	G4EK	0 580 453 443
				84-85	G4EK-TC	0 580 453 443





Sonata						
	05.04→	6	2.7	131	G6BA	0 986 580 909
Sonata II						
Y3	07.93 - 04.96	4	2.0	102	G4CP	0 986 580 508
	07.93 - 06.98	6	3.0	107	G6AT	0 986 580 508
	05.96 - 06.98	4	2.0	92	G4CP	0 986 580 508
Sonata III						
EF	03.98 - 03.01	6	2.5	129	G6AV	0 986 580 509
Sonata IV						
EF	04.01 - 11.04	6	2.7	127	G6BA	0 986 580 909
Tiburon						
RD	04.96→	4	1.5	74-76	G4EK	0 986 580 509
Trajet						
F0	01.00→	6	2.7	127	G6BA	01.00 - 02.04 0 580 453 470

JAGUAR

Sovereign						
	10.86 - 08.89	6	3.6	135	AJ6.4	0 580 464 029
XJ6						
	03.79 - 10.86	6	4.2	147		BFP070
	10.86 - 08.89	6	3.6	170	AJ6.4	0 580 464 029
	09.89 - 09.94	6	4.0	166	AJ6	0 580 464 029
XJ12						
	07.81 - 09.94	12	5.3	194	Kat.	01.88 - 09.94 BFP070

JEEP

Cherokee						
	01.94 - 12.98	6	4.0	127	ERH	9 580 810 019

KIA

Credos						
	02.98 - 07.00	4	2.0	107	FE	0 986 580 504

LAMBORGHINI (S+L+H)

Countach						
	09.85 - 07.90	12	5.2	309	L 507 V4I	0 580 254 910

LAND ROVER GROUP

Range Rover						
	09.94 - 09.02	8	4.0	136-140	42D	
					Chassis YA 430702→	0 580 313 023
			4.6	158-166	46D	
					Chassis YA 430702→	0 580 313 023

LEXUS

IS200						
GXE10	01.99 - 07.05	6	2.0	114	1GFE	BFP011
LS400						
UCF10	12.89 - 09.94	8	4.0	180	1UZFE	0 986 580 028
UCF20	10.94 - 08.00	8	4.0	186	1UZFE	0 986 580 028



B 2200

Bosch Automotive Aftermarket



GF	05.97 - 10.99	4	2.0	93	FSD DOHC	ND	0 580 453 477
	06.97 - 10.99	4	2.0	93	FSD	ND	0 580 453 477
626 Turbo							
GD	10.87 - 08.89	4	2.2	100	F2	NAL	BFP009
					Chassis →GD1021-105663		
	09.89 - 09.91	4	2.2	100	F2	ALE,RAB	0 986 580 706
						NAL	BFP009

MERCEDES-BENZ

A150							
W169	09.04→	4	1.5	70	M 266.920		0 986 580 157
A170							
W169	09.04→	4	1.7	85	M 266.940		0 986 580 157
A200							
W169	09.04→	4	2.0	100	M 266.960		0 986 580 157
A200 Turbo							
W169	06.05→	4	2.0	142	M 266.980		0 986 580 157
B180							
W245	04.05→	4	2.0	80	OM 640.940		0 580 303 049
B200							
W245	04.05→	4	2.0	100	M 266.960		0 986 580 157
				142	M 266.980		0 986 580 157
CLK55 AMG							
W208	05.99 - 04.02	8	5.4	255	M 113.984		0 986 580 372
CLK200							
W208	06.97 - 06.00	4	2.0	100	M 111.945		0 986 580 371
CLK200 Kompressor							
W208	06.00 - 01.03	4	2.0	120	M 111.956		0 986 580 371
W209	09.02 - 09.06	4	1.8	120	M 271.940		0 986 580 184
	02.03 - 09.06	4	1.8	120	M 271.940		0 986 580 184
CLK230 Kompressor							
W208	06.97 - 06.00	4	2.3	142	M 111.975		0 986 580 372
	06.98 - 05.00	4	2.3	142	M 111.975		0 986 580 372
	06.00 - 04.02	4	2.3	145	M 111.982		0 986 580 371
CLK240							
W209	05.02→	6	2.6	125	M 112.912		0 986 580 184
	02.03→	6	2.6	125	M 112.912		0 986 580 184
CLK280							
W209	04.05→	6	3.0	170	M 272.940		0 986 580 184
CLK320							
W208	06.98 - 01.03	6	3.2	160	M 112.940		0 986 580 371
W209	05.02→	6	3.2	160	M 112.955		0 986 580 184
	02.03→	6	3.2	160	M 112.955		0 986 580 184
CLK430							
W208	08.98 - 04.02	8	4.3	205	M 113.943		0 986 580 372
	09.98 - 01.03	8	4.3	205	M 113.943		0 986 580 372
CL55 AMG							
W215	09.99 - 08.02	8	5.4	265	M 113.986		
					Chassis A 016837→	0 986 580 354	
					Chassis →A 016836		0 986 580 372
CL500							
W215	09.99 - 05.06	8	5.0	225	M 113.960		
					Chassis A 016837→	0 986 580 354	
					Chassis →A 016836		0 986 580 372
CL600							
W215	09.99 - 08.02	12	5.8	270	M 137.970		
					Chassis A 016837→	0 986 580 354	
					Chassis →A 016836		0 986 580 372
C32 AMG Kompressor							
W203	01.01 - 01.04	6	3.2	260	M 112.961	4PO,MFG	0 986 580 183
						5PO,MFG	0 986 580 184



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C36 AMG										
W202	01.94 - 05.97	6	3.6	206	M 104.941					
					Chassis A 015717→,				0 986 580 371	
					F 000796→					
					Chassis →A 015716,				0 580 254 911	
					→F 000795					
C43 AMG										
W202	11.97 - 04.00	8	4.3	225	M 113.944				0 986 580 372	
C180										
W202	03.93 - 08.95	4	1.8	90	M 111.920				0 986 580 371	
	09.95 - 04.00	4	1.8	90	M 111.921				0 986 580 371	
W203	10.00 - 08.02	4	2.0	95	M 111.951		4PO,MFG		0 986 580 183	
							5PO,MFG		0 986 580 184	
C180 Kompressor										
W203	09.02 - 07.07	4	1.8	105	M 271.946		MFG		0 986 580 184	
	09.02→	4	1.8	105	M 271.946		MFG		0 986 580 184	
C180 T-Model										
W202	05.96 - 02.01	4	1.8	90	M 111.920				0 986 580 371	
C200										
W202	01.94 - 04.00	4	2.0	100	M 111.941				0 986 580 371	
C200 Kompressor										
W203	09.02 - 02.07	4	1.8	120	M 271.940		MFG		0 986 580 184	
	04.03 - 08.04	4	1.8	125	M 271.942		MFG		0 986 580 184	
C200 Kompressor Sportcoupe										
W203	09.02→	4	1.8	120	M 271.940		MFG		0 986 580 184	
C200 Kompressor T-Model										
W203	01.01 - 08.02	4	2.0	120	M 111.955		4PO,MFG		0 986 580 183	
							5PO,MFG		0 986 580 184	
	09.02 - 08.07	4	1.8	120	M 271.940		MFG		0 986 580 184	
C200 T-Model										
W202	05.96 - 02.01	4	2.0	100	M 111.941				0 986 580 371	
C220										
W202	03.93 - 09.96	4	2.2	110	M 111.961				0 986 580 371	
C220 CDI										
W203	03.03 - 02.07	4	2.2	110	OM 646.963		RAB		1 582 881 007	
C230										
W202	09.96 - 05.97	4	2.3	110	M 111.974				0 986 580 371	
W203	06.05 - 07.07	6	2.5	150	M 272.920		MFG		0 986 580 184	
C230 Kompressor Sportcoupe										
W203	02.04 - 05.05	4	1.8	141	M 271.948		MFG		0 986 580 184	
C230 Sportcoupe										
W203	06.05→	6	2.5	150	M 272.920		MFG		0 986 580 184	
C230 T-Model										
W202	05.96 - 05.97	4	2.3	110	M 111.974				0 986 580 371	
W203	06.05 - 08.07	6	2.5	150	M 272.920		MFG		0 986 580 184	
C240										
W202	06.97 - 04.00	6	2.4	125	M 112.910				0 986 580 371	
W203	05.00 - 05.05	6	2.6	125	M 112.912		4PO,MFG		0 986 580 183	
							5PO,MFG		0 986 580 184	
C240 T-Model										
W202	06.97 - 02.01	6	2.4	125	M 112.910				0 986 580 371	
W203	01.01 - 05.05	6	2.6	125	M 112.912		4PO,MFG		0 986 580 183	
							5PO,MFG		0 986 580 184	
C280										
W202	05.93 - 05.97	6	2.8	142	M 104.941				0 986 580 371	
					Chassis A 015717→,					
					F 000796→					
					Chassis →A 015716,				0 580 254 911	
					→F 000795					
	06.97 - 04.00	6	2.8	145	M 112.920				0 986 580 371	
C320										
W203	05.00 - 05.05	6	3.2	160	M 112.946		4PO,MFG		0 986 580 183	
							5PO,MFG		0 986 580 184	





C320 Sportcoupe							
W203	09.02 - 05.05	6	3.2	160	M 112.946	4PO,MFG	0 986 580 183
						5PO,MFG	0 986 580 184
C350							
W203	06.05 - 02.07	6	3.5	200	M 272.960	MFG	0 986 580 184
E36 AMG							
W124	03.94 - 06.98	6	3.6	200	M 104.992		
					Chassis C 226336→		0 986 580 372
E55 AMG							
W210	09.97 - 03.03	8	5.5	260	M 113.980		0 986 580 372
E200 Kompressor							
W210	09.00 - 03.02	4	2.0	120	M 111.957		0 986 580 372
E220							
W124	07.93 - 06.95	4	2.2	110	M 111.960		
					Chassis C 227245→, J 081289→		0 986 580 372
					Chassis →C227244, →J081288		0 580 254 910
	07.93 - 06.97	4	2.2	110	M 111.960		
					Chassis →C226335		0 580 254 910
	07.93 - 06.98	4	2.2	110	M 111.960		
					Chassis →C226335		0 580 254 910
E240							
W210	09.97 - 06.99	6	2.4	125	M 112.911		0 986 580 372
E240 T-Model							
W210	09.97 - 06.99	6	2.4	125	M 112.911		0 986 580 372
	06.99 - 01.03	6	2.6	125	M 112.914		0 986 580 372
E270							
W211	03.02 - 03.05	5	2.7	130	OM 647.961		1 582 881 001
E280							
W124	07.93 - 06.95	6	2.8	142	M 104.942		
					Chassis C 227245→, J 081289→		0 986 580 372
W210	06.95 - 01.03	6	2.8	150	M 112.921		0 986 580 372
E280 CDI							
W211	04.05→	6	3.0	140	OM 642.920		1 582 881 001
E280 CDI T-Model							
W211	04.05→	6	3.0	140	OM 642.920		1 582 881 001
E320							
W124	05.93 - 06.98	6	3.2	162-170	M 104.992		
					Chassis C 226336→		0 986 580 372
	07.93 - 06.95	6	3.2	162	M 104.992		
					Chassis C 227245→, J 081289→		0 986 580 372
	07.93 - 06.98	6	3.2	162	M 104.992		
					Chassis C 226336→		0 986 580 372
W210	06.95 - 02.97	6	3.2	162	M 104.995		0 986 580 372
	03.97 - 06.99	6	3.2	165	M 112.941		0 986 580 372
E430							
W210	09.97 - 06.99	8	4.3	205	M 113.940		0 986 580 372
	07.99 - 03.02	8	4.3	205	M 113.940		0 986 580 372
G320							
W463	12.97→	6	3.2	158	M 112.945		0 986 580 372
SLK32 AMG							
W170	06.99 - 03.04	6	3.2	260	M 112.960		0 986 580 372
SLK200							
W170	09.96 - 01.00	4	2.0	100	M 111.946		0 580 254 911
SLK200 Kompressor							
W170	09.96 - 01.00	4	2.0	135	M 111.943		0 986 580 372
	02.00 - 03.04	4	2.0	120	M 111.958		0 986 580 372
SLK230 Kompressor							
W170	09.96 - 01.00	4	2.3	142	M 111.973		0 986 580 372
	02.00 - 03.04	4	2.3	145	M 111.983		0 986 580 372





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SLK320										
W170	06.99 - 03.04	6	3.2	160	M 112.947					0 986 580 372
SL280										
W129	06.98 - 08.01	6	2.8	150	M 112.923					0 986 580 372
SL320										
W129	06.98 - 08.01	6	3.2	165	M 112.943					0 986 580 372
SL350										
W230	03.03 - 12.05	6	3.7	180	M 112.973					0 986 580 354
	01.06→	6	3.5	200	M 272.966					0 986 580 354
SL500										
W129	06.98 - 08.01	8	5.0	225	M 113.961					0 986 580 372
W230	10.01 - 12.05	8	5.0	225	M 113.963					0 986 580 354
	01.06→	8	5.5	285	M 273.965					0 986 580 354
SL600										
W129	06.98 - 08.01	12	6.0	290	M 120.983					0 986 580 372
S280										
W140	06.93 - 09.98	6	2.8	142-145	M 104.944					
					Chassis A220201→					0 986 580 372
					Chassis →A220200		ZE			0 580 254 911
S320										
W140	06.93 - 09.99	6	3.2	170	M 104.994					
					Chassis A220201→					0 986 580 372
					Chassis →A220200		ZE			0 580 254 911
W220	10.98 - 08.02	6	3.2	165	M 112.944					
					Chassis A 229602→					0 986 580 354
					Chassis →A 229601					0 986 580 372
S350										
W220	09.02 - 08.05	6	3.7	180	M 112.972					0 986 580 354
S420										
W140	06.93 - 09.98	8	4.2	205-210	M 119.971;981					
					Chassis A220201→					0 986 580 372
					Chassis →A220200		ZE			0 580 254 911
S430										
W220	10.98 - 08.05	8	4.3	205	M 113.941					
					Chassis A 229602→					0 986 580 354
					Chassis →A 229601					0 986 580 372
S500										
W220	06.00 - 08.05	8	5.0	225	M 113.960					
					Chassis A 229602→					0 986 580 354
					Chassis →A 229601					0 986 580 372
S600										
W140	06.93 - 09.95	12	6.0	290-300	M 120.980					
					Chassis A220201→					0 986 580 372
					Chassis →A220200		ZE			0 580 254 911
	06.93 - 05.96	12	6.0	290-300	M 120.980;982					
					Chassis A220201→					0 986 580 372
				Chassis →A220200		ZE			0 580 254 911	
Viano										
W639 T0N	09.03→	4	2.1	110	OM 646.982		MHE			0 580 303 021
							OZH			0 580 303 019
Vito										
W638 T0N	11.95 - 09.03	4	2.0	95	M 111.950		MHE			0 986 580 134
							OZH			0 986 580 373
W639 T0N	10.03 - 10.06	4	2.1	65	OM 646.983		MHE			0 580 303 021
							OZH			0 580 303 019
	10.03→	4	2.1	110	OM 646.982		MHE			0 580 303 021
							OZH			0 580 303 019
	04.06→	6	3.0	150	OM 642.990		MHE			0 580 303 021
							OZH			0 580 303 019
	11.06→	4	2.1	70	OM 646.980		MHE			0 580 303 021
							OZH			0 580 303 019





180E									
W201	09.91 - 04.94	4	1.8	80	M 102.910				0 580 254 910
190E									
W201	09.85 - 08.86	4	2.0	85	M 102.962				0 580 254 910
	09.86 - 08.93	4	2.3	100	M 102.985				0 580 254 910
	09.86 - 09.93	4	2.0	87	M 102.962				0 580 254 910
	09.89 - 08.92	4	2.3	97	M 102.985				0 580 254 910
	03.90 - 08.93	4	1.8	80	M 102.910				0 580 254 910
220E									
W124	09.92 - 06.93	4	2.2	110	M 111.960				
					Chassis C 227245→, J 081289→		0 986 580 372		
					Chassis →C227244, →J081288			0 580 254 910	
230CE									
W123	04.80 - 12.85	4	2.3	100	M 102.980				0 580 254 910
230E									
W123	04.80 - 12.85	4	2.3	100	M 102.980				0 580 254 910
W124	12.84 - 06.93	4	2.3	97-100	M 102.982				0 580 254 910
260E									
W124	09.85 - 10.92	6	2.6	118-122	M 103.940				
					Chassis →A368936			0 580 254 910	
280CE									
W123	03.77 - 11.85	6	2.8	130-136	M 110.984,988	06.80 - 11.85			0 580 254 910
					Chassis →001670		0 580 254 984		
280E									
W123	02.76 - 11.85	6	2.8	130-136	M 110.98...				0 580 254 910
280SE									
W108	01.68 - 12.71	6	2.8	118	M 130.980	02.69 - 12.71		0 442 201 002	
W111	01.68 - 12.71	6	2.8	118	M 130.980	02.69 - 12.71		0 442 201 002	
W116	08.76 - 07.80	6	2.8	130-136	M 110.985	08.76 - 08.77		0 580 254 984	
						09.77 - 07.80		0 580 254 975	
W126	10.79 - 07.85	6	2.8	136	M 110.987,989				0 580 254 910
280SL									
W113	01.68 - 03.71	6	2.8	125	M 130.983	02.69 - 03.71		0 442 201 002	
W107	08.74 - 05.76	6	2.8	130-136	M 110.982, 986, 990				
					Chassis 001836→			0 580 254 910	
280SLC									
W107	08.74 - 05.76	6	2.8	130-136	M 110.982, 986				
					Chassis 002391→			0 580 254 910	
300E									
W124	01.85 - 08.93	6	3.0	132-138	M 103.980;983				
					Chassis →A368936			0 580 254 910	
	09.89 - 06.93	6	2.8	145	M 104.942				
					Chassis C 227245→, J 081289→		0 986 580 372		
300SE									
W126	09.85 - 06.91	6	3.0	132-138	M 103.981				0 580 254 910
	09.89 - 06.91	6	3.0	132	M 103.981				0 580 254 910
W140	03.91 - 05.93	6	3.2	170	M 104.990				
					Chassis A220201→		0 986 580 372		
					Chassis →A220200	ZE		0 580 254 911	
309 CDI Sprinter									
WNCV3	04.06→	4	2.1	65	OM 646.984 DE 22 LA	MHE		0 580 303 094	
						OZH		0 580 303 092	
						10L,MHE		0 580 303 098	
						10L,OZH		0 580 303 096	
311 CDI Sprinter									
WNCV3	04.06→	4	2.1	80	OM 646.985 DE 22 LA	MHE		0 580 303 094	
						OZH		0 580 303 092	
						10L,MHE		0 580 303 098	
						10L,OZH		0 580 303 096	



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315 CDI Sprinter							
WNCV3	04.06→	4	2.1	110	OM 646.9... DE 22 LA	MHE	0 580 303 094
						OZH	0 580 303 092
						10L,MHE	0 580 303 098
						10L,OZH	0 580 303 096
318 CDI Sprinter							
WNCV3	04.06→	6	3.0	135	OM 642.992	MHE	0 580 303 094
						OZH	0 580 303 092
						10L,MHE	0 580 303 098
						10L,OZH	0 580 303 096
320CE							
W124	09.92 - 06.93	6	3.2	162	M 104.992		
					Chassis C 226336→	0 986 580 372	
320E							
W124	09.92 - 06.93	6	3.2	162	M 104.992		
					Chassis C 227245→, J 081289→	0 986 580 372	
350SL							
W107	05.71 - 02.76	8	3.5	147	M 116.982, 984		
					Chassis 012224→	0 580 254 910	
	03.76 - 02.80	8	3.5	144	M 116.982, 984		
					Chassis 012224→	0 580 254 910	
350SLC							
W107	01.72 - 02.76	8	3.5	148	M 116.982, 984		
					Chassis F002391→	0 580 254 910	
				Chassis 010805→	0 580 254 910		
	03.76 - 02.80	8	3.5	144	M 116.982, 984		
Chassis F002391→					0 580 254 910		
				Chassis 010805→	0 580 254 910		
380SE / SEL							
W126	12.79 - 08.85	8	3.8	150-160	M 116.961, 963		0 580 254 910
380SEC							
W126	10.81 - 07.85	8	3.8	150	M 116.963		0 580 254 910
380SL							
W107	07.80 - 08.85	8	3.8	150-160	M 116.960, 962		0 580 254 910
400SE							
W140	02.91 - 05.93	8	4.2	205-210	M 119.971;981		
					Chassis A220201→	0 986 580 372	
				Chassis →A220200	ZE	0 580 254 911	
	06.93 - 09.95	8	4.2	205-210	M 119.971		
Chassis A220201→					0 986 580 372		
				Chassis →A220200	ZE	0 580 254 911	
450SE							
W116	12.75 - 04.80	8	4.5	161-167	M 117.986	12.75 - 08.77	0 580 254 984
						09.77 - 04.80	0 580 254 975
450SEL							
W116	07.75 - 03.80	8	6.8	212	M 100.985	07.75 - 08.77	0 580 254 984
						09.77 - 03.80	0 580 254 975
	12.75 - 04.80	8	4.5	161-167	M 117.986	12.75 - 08.77	0 580 254 984
						09.77 - 04.80	0 580 254 975
450SL							
W107	01.73 - 11.75	8	4.5	161-167	M 117.982, 985		
					Chassis 029876→	0 580 254 910	
	12.75 - 10.80	8	4.5	161-167	M 117.982, 985		
					Chassis 029876→	0 580 254 910	
450SLC							
W107	01.73 - 11.75	8	4.5	161-167	M 117.982, 985		
					Chassis 012079→	0 580 254 910	
	12.75 - 09.80	8	4.5	161-167	M 117.982, 985		
					Chassis 012079→	0 580 254 910	





500SE									
W140	02.91 - 05.93	8	5.0	235-240	M 119.970;980				
					Chassis A220201→			0 986 580 372	
					Chassis →A220200		ZE		0 580 254 911
500SEC									
W126	10.81 - 08.85	8	5.0	170	M 117.963				
					Chassis 026851→				0 580 254 910
W140	10.92 - 05.93	8	5.0	235-240	M 119.970;980				
					Chassis A220201→			0 986 580 372	
					Chassis →A220200		ZE		0 580 254 911
500SEL									
W140	02.91 - 05.93	8	5.0	235-240	M 119.970				
					Chassis A220201→			0 986 580 372	
					Chassis →A220200		ZE		0 580 254 911
515 CDI Sprinter									
WNCV3	04.06→	4	2.1	110	OM 646.9... DE 22 LA		MHE		0 580 303 094
							OZH		0 580 303 092
							10L,MHE		0 580 303 098
							10L,OZH		0 580 303 096
518 CDI Sprinter									
WNCV3	04.06→	6	3.0	135	OM 642.992		MHE		0 580 303 094
							OZH		0 580 303 092
							10L,MHE		0 580 303 098
							10L,OZH		0 580 303 096
600SEL									
W140	04.91 - 05.93	12	6.0	290-300	M 120.980				
					Chassis A220201→			0 986 580 372	
					Chassis →A220200		ZE		0 580 254 911
MG									
ZR									
	10.01 - 05.05	4	1.8	118	18 K4K -K-Serie-VVC				
					Chassis WD 234779→				0 986 580 178
ZS									
	10.01 - 05.05	6	2.5	130	2.5KV6				0 986 580 179
MITSUBISHI									
Colt									
CZ	01.05→	4	1.5	110	4G15T				0 986 580 163
Galant									
H	01.89 - 12.93	4	2.0	102	4G63 DOHC			F 00E 170 264	
	01.90 - 12.93	4	2.0	77	4G63 SOHC			F 00E 170 264	
HJ	11.92 - 05.96	4	2.0	101	4G63 SOHC Kat.			F 00E 170 264	
Lancer									
C6/C7	04.88 - 05.90	4	1.6	91-92	4G61	04.88 - 05.89		BFP026	
CA	01.89 - 09.90	4	1.5	61	4G15			BFP026	
CB	10.90 - 09.92	4	1.5	65	4G15 SOHC			BFP026	
			1.6	90	4G61 DOHC			BFP026	
C6/C7	06.92 - 07.95	4	1.6	83	4G92 Kat.			0 580 453 477	
CK/CP/CN	11.95 - 09.00	4	1.6	66	4G92 Kat.			0 580 453 477	
	05.96 - 05.01	4	1.8	85	4G93 Kat.			0 580 453 477	
L300									
P	11.86 - 10.88	4	2.4	80	G64B Kat.			BFP013	
	11.88 - 05.94	4	2.4	82	4G64 Kat.	11.88 - 12.91		BFP013	
						01.92 - 05.94		0 580 453 477	
	11.90 - 05.96	4	2.4	82	4G64 Kat.			BFP013	
						01.92 - 05.96		0 580 453 477	



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Magna / Verada									
TN	04.87 - 05.89	4	2.6	93	4G54				BFP018
TP	06.89 - 04.92	4	2.6	93	4G54				BFP018
TR	04.91 - 02.94	4	2.6	98	4G54			0 580 453 477	
KR	07.91 - 02.94	6	3.0	123	6G72			0 580 453 477	
TR	04.93 - 02.94	6	3.0	123	6G72			0 580 453 477	
KS	03.94 - 09.96	6	3.0	120	6G72			0 580 453 477	
TS	03.94 - 02.97	4	2.6	98	4G54			0 580 453 477	
		6	3.0	123	6G72			0 580 453 477	
TE	04.96 - 05.97	4	2.4	105	4G64			0 580 453 477	
		6	3.0	140	6G72			0 580 453 477	
KE	10.96 - 05.97	6	3.0	140	6G72			0 580 453 477	
KF	06.97 - 03.99	6	3.0	140	6G72			0 580 453 477	
		3.5	147	6G74				0 580 453 477	
TF	06.97 - 03.99	4	2.4	105	4G64			0 580 453 477	
		6	3.0	140	6G72			0 580 453 477	
KJ	08.00 - 07.01	6	3.5	150	6G74			0 580 453 477	
TJ	08.00 - 06.02	6	3.0	140	6G74			0 580 453 477	
		3.5	150	6G74				0 580 453 477	
KJ	08.01 - 06.02	6	3.5	155	6G74			0 580 453 477	
KJ II	07.02 - 05.03	6	3.5	155	6G74			0 580 453 477	
TJ II	07.02 - 06.03	6	3.5	155	6G74			0 580 453 477	
				163	6G74			0 580 453 477	
KJ II	12.02 - 07.03	6	3.5	155	6G74			0 580 453 477	
TJ II	12.02 - 01.04	6	3.5	155	6G74			0 580 453 477	
KL	06.03 - 09.04	6	3.5	155	6G74			0 580 453 477	
TL	06.03 - 09.04	6	3.5	143	6G74			0 580 453 477	
				155	6G74			0 580 453 477	
KL	08.03 - 09.04	6	3.5	155	6G74			0 580 453 477	
TL	02.04 - 09.04	6	3.5	155	6G74			0 580 453 477	
TW	10.04 - 09.05	6	3.5	143	6G74				BFP474
Pajero									
NF/NG	09.88 - 04.91	6	3.0	105	6G72				BFP013
NH/NJ/NK	05.91 - 08.97	6	3.0	109	6G72			0 580 453 477	

NISSAN

Exa									
	10.83 - 02.86	4	1.5	77	E15ET				BFP056
	03.86 - 06.87	4	1.5	74	E15ET				BFP056
N13	11.86 - 10.87	4	1.6	85	CA16DE				0 986 580 057
KEN13	10.87 - 10.90	4	1.8	93	CA18DE	12.87 - 10.90		0 986 580 049	0 986 580 074
Maxima									
J30	02.90 - 06.94	6	3.0	122	VG30E	02.90 - 02.94			0 986 580 051
A32	10.94 - 01.00	6	3.0	142	VQ30DE	10.94 - 08.98			BFP238
Micra									
K12E	06.05→	4	1.4	65	CR14DE				0 986 580 162
Pathfinder									
D21	07.92 - 07.95	6	3.0	113	VG30E				BFP014
R50	09.95→	6	3.3	110-125	VG33E	09.97→		0 986 580 699	
Patrol									
	01.92 - 12.95	6	4.2	129	TB42E				BFP064
Pintara									
R31	06.86 - 12.90	4	2.0	78	CA20E	06.86 - 08.88			0 986 580 084
U12	08.89 - 10.92	4	2.0	83	CA20E				BFP472
									9 581 067 006
				2.4	96	KA24E			BFP472
									9 581 067 006
Pulsar									
N12	04.84 - 07.87	4	1.5	74	E15T				BFP056
N13	08.87 - 10.91	4	1.6	56	16LF				0 986 580 087
			1.8	79	18LE				0 986 580 086





N14	08.91 - 05.95	4	1.6	86	GA16DE	BFP241
			2.0	105	SR20DE	BFP241
N15	08.95 - 06.00	4	1.6	86	GA16DE	BFP241
			2.0	105	SR20DE	BFP241
200SX						
S13	09.88 - 12.93	4	1.8	129	CA18DT	0 986 580 052
300C						
Y30	01.84 - 12.85	6	3.0	124	VG30E	BFP056
	01.85 - 12.88	6	3.0	113	VG30E	BFP056
300ZX						
Z31	04.84 - 12.85	6	3.0	124	VG30E	0 986 580 055
	09.85 - 09.89	6	3.0	155	VG30ET	0 986 580 055
Z32	01.90 - 11.95	6	3.0	168	VG30DE	01.90 - 01.94 0 986 580 065
	01.90 - 03.96	6	3.0	197-208	VG30DETT	F 00E 000 133

PEUGEOT

205									
	10.86 - 10.87	4	1.9	75	DFZ	0 580 310 015			
	10.87 - 10.94	4	1.9	75	DFZ	0 580 310 015			
				88	DFY,DKZ	0 580 310 015			
	10.87 - 09.98	4	1.9	90-94	D6B	0 580 310 015			
	11.90 - 09.98	4	1.6	65	BDY	0 580 314 152 0 580 305 007			
206									
T1	06.98→	4	1.6	66	NFZ				
					Org. →9061	06.98 - 09.01	0 986 580 252		
					Org. 9062→	10.01→	0 986 580 256		
	03.00→	4	1.4	55	KFW				
					Org. →9061	03.00 - 09.01	0 986 580 252		
					Org. 9062→	10.01→	0 986 580 256		
					1.6	80	NFU		
							Org. →9061	03.00 - 09.01	0 986 580 252
							Org. 9062→	10.01→	0 986 580 256
	10.00→	4	2.0	100	RFN				
					Org. →9061	10.00 - 09.01	0 986 580 310		
					Org. 9062→	10.01→	0 986 580 256		
	03.03→	4	2.0	130	RFK	0 986 580 256			
206CC									
T1	09.00→	4	1.6	80	NFU	0 986 580 310			
			2.0	100	RFN	0 986 580 310			
306									
N3	01.93 - 04.97	4	1.8	74-76	LFZ	0 580 313 109			
	08.93 - 04.97	4	2.0	89-90	RFX	0 580 313 109			
					R6D	0 580 313 109			
			110-114	RFY	0 580 313 109				
N5	05.97 - 03.02	4	1.8	74-76	L6A	0 986 580 173			
				81	LFY	0 986 580 173			
				2.0	97-99	RFV	0 986 580 173		
	05.97 - 10.03	4	1.8	74-76	LFZ	0 986 580 173			
					L6A	0 986 580 173			
				81	LFY	0 986 580 173			
				2.0	97-99	RFV	0 986 580 173		
						R6E	0 986 580 173		
						120	RFS	0 986 580 173	
	12.97→	4	1.8	85	XU7JP4	BFP070			
	306CC								
N3	01.93 - 04.97	4	1.8	74-76	LFZ	0 580 313 109			
N5	05.97 - 10.03	4	1.8	81	LFY	0 986 580 222			
			2.0	97-99	RFV	0 986 580 222			



◀ PEUGEOT

307										
T5	08.00 - 05.05	4	1.6	80	NFU					0 986 580 257
			2.0	66	RHY					0 986 580 215
				100	RFN					0 986 580 257
	03.02 - 05.05	4	2.0	66	RHY					0 986 580 215
				100	RFN					0 986 580 261
	10.03 - 05.05	4	2.0	100	RFN					0 986 580 257
					RHR					0 986 580 217
				130	RFK					0 986 580 257
	02.04 - 05.05	4	1.6	80	9HZ / 9HY					0 986 580 217
T6	06.05 →	4	2.0	103	RFJ					0 986 580 257
										0 986 580 261
				130	RFK					0 986 580 257
405										
15	07.87 - 12.92	4	1.9	82	DFV					BFP070
				90-92	D6A					BFP070
					D6D					BFP070
				116	D6C					BFP070
	04.88 - 12.92	4	1.9	108-111	DFW					BFP070
	07.88 - 12.92	4	1.9	88	DKZ,DFY					BFP070
4	06.92 - 04.97	4	2.0	89	RFX					BFP070
	01.93 - 04.97	4	2.0	110-118	RFT					BFP070
					RFY					BFP070
406										
D8	10.95 - 03.99	4	2.0	97-99	RFV					
					Org. →7482	10.95 - 05.97				0 986 580 175
					Org. 7483→7979	06.97 - 10.98				0 986 580 176
	08.96 - 03.99	6	3.0	140	XFZ					
					Org. →7482	08.96 - 05.97				0 986 580 175
					Org. 7483→7979	06.97 - 10.98				0 986 580 176
	10.96 - 03.99	4	2.0	97-99	RFV					
					Org. →7482	10.96 - 05.97				0 986 580 175
					Org. 7483→7979	06.97 - 10.98				0 986 580 176
		6	3.0	140	XFZ					
					Org. →7482	10.96 - 05.97				0 986 580 175
					Org. 7483→7979	06.97 - 10.98				0 986 580 176
	03.97 - 03.99	4	2.0	97-99	RFV					
					Org. →7482	03.97 - 05.97				0 986 580 175
					Org. 7483→7979	06.97 - 10.98				0 986 580 176
		6	3.0	140	XFZ					
					Org. →7482	03.97 - 05.97				0 986 580 175
					Org. 7483→7979	06.97 - 10.98				0 986 580 176
D9	04.99 - 08.00	4	2.0	99	RFR					
					Org. 8576→	06.00 - 08.00	MRK			0 986 580 260
							ORK			0 986 580 143
	04.99 - 06.04	4	2.0	80	RHZ					
					Org. →8575	04.99 - 05.00				0 580 303 027
					Org. 8576→					0 986 580 216
		6	3.0	140	XFZ					
					Org. 8576→	06.00 - 06.04	MRK			0 986 580 260
							ORK			0 986 580 143
	04.99 - 02.05	6	3.0	140	XFZ					
					Org. 8576→	06.00 - 02.05	MRK			0 986 580 260
							ORK			0 986 580 143
	12.99 - 06.04	6	3.0	150	AFX					
					Org. 8576→	06.00 - 06.04	MRK			0 986 580 260
							ORK			0 986 580 143
	12.99 - 02.05	6	3.0	150	AFX					
					Org. 8576→	06.00 - 02.05	MRK			0 986 580 260
							ORK			0 986 580 143



D9	03.00 - 06.04	4	2.2	98	4HX			0 986 580 216
	08.00 - 06.04	4	2.0	100	RFN	MRK		0 986 580 260
						ORK		0 986 580 143
	08.01 - 06.04	4	2.0	79	RHS			0 986 580 216
407								
D2	05.04→	4	2.0	100	RFN	MXF		0 986 580 138
						OXF		0 986 580 142
		2.2	116	3FZ	MXF		0 986 580 138	
					OXF		0 986 580 142	
	6	3.0	155	XFV	MXF		0 986 580 138	
					OXF		0 986 580 142	
505								
	09.83 - 12.83	4	2.2	85	ZDJK			0 580 254 909
505GTi								
	03.86 - 12.93	4	2.2	87	851X			BFP070
505SLi								
	02.86 - 06.87	4	2.0	71	XN6 Kat.			0 580 254 909
505STi								
	01.84 - 10.84	4	2.2	85-86	851-90			0 580 254 909
505STi / GTi								
	02.85 - 12.85	4	2.2	94	851B,851Y			BFP070
604								
	08.77 - 05.83	6	2.7	106-107	140	08.77 - 03.78		0 580 254 984
						04.78 - 05.83		0 580 254 975
	06.83 - 06.86	6	2.8	110-114	154A			0 580 254 975
605								
Y30	07.93 - 05.99	6	3.0	123-125	UFZ	07.93 - 06.94		0 580 314 066
607								
Z8	03.00 - 11.04	6	2.9	152	AFX			0 986 580 310
Z9	12.04→	6	3.0	155	XFV			0 986 580 310

Porsche

911								
	09.75 - 06.77	6	2.7	121	911.81/86	08.76 - 06.77	VO	0 580 254 984
			3.0	147	930.02/12	08.76 - 06.77	VO	0 580 254 984
	07.77 - 06.79	6	3.0	132	930.03/13		VO	0 580 254 984
	07.80 - 07.83	6	3.0	150	930.10			0 580 254 053
	09.83 - 07.86	6	3.2	152	930.21		VO	0 580 464 069
911 Carrera								
964	09.89 - 08.93	6	3.6	184	64.01/.02			0 580 464 058
993	09.93 - 08.95	6	3.6	200	M64.05 / M64.06			0 580 464 058
	09.94 - 08.97	6	3.8	220	M64.20			0 580 464 058
	09.95 - 08.97	6	3.6	210	M64.21 / M64.22			0 580 464 058
911 Carrera 4								
964	09.89 - 08.93	6	3.6	184	64.01			0 580 464 058
993	09.94 - 08.95	6	3.6	200	M64.05			0 580 464 058
	09.95 - 08.97	6	3.6	210	M64.21			0 580 464 058
911 Turbo								
	10.77 - 07.82	6	3.3	221	930.60	HI		0 580 254 979
						VO		0 580 254 984
964	12.90 - 08.92	6	3.3	235	30.69	HI		0 580 254 979
						VO		0 580 254 053
	02.93 - 08.93	6	3.6	265	64.50	HI		0 580 254 979
						VO		0 580 254 053
993	03.95 - 08.97	6	3.6	300	M64.60			0 580 464 058
924								
	05.77 - 03.82	4	2.0	92	047.8/9	07.80 - 03.82		0 580 254 053
					Chassis	05.77 - 06.80		0 580 254 984
					92471 00714→			



◀ PORSCHE

924 Turbo							
	01.81 - 06.82	4	2.0	115	M31.04		0 580 254 053
928							
	05.77 - 07.82	8	4.5	177	M28.01/02		0 580 254 053
	09.82 - 07.83	8	4.7	221	M 28.11, 12		0 580 254 053
	08.83 - 07.86	8	4.7	228	M 28.21, 22		0 580 464 045
	08.86 - 07.91	8	5.0	235	M 28.41, 42	08.86 - 07.88	0 580 464 045
						08.88 - 07.91	0 580 464 057
	08.91 - 11.95	8	5.4	257	M 28.49/ 50		0 580 464 057
944							
	07.81 - 12.84	4	2.5	120	M 44.01/ 03	EFV	0 580 464 069
	01.85 - 07.87	4	2.5	120	M 44.05/ 06		0 580 464 069
	08.85 - 07.88	4	2.5	162	M 44.51		0 580 464 069
	09.87 - 07.91	4	2.5	184	M 44.52		0 580 464 069
	11.88 - 07.89	4	2.7	121	M 44.11, 12		0 580 464 069
	12.88 - 07.91	4	3.0	155	M 44.41		0 580 464 069
968							
	08.91 - 11.95	4	3.0	176	M 44.43/ 44		0 580 464 069

PROTON

Satria							
C90	03.96→	4	1.3	60	4G13		0 986 580 904

RENAULT

Clio							
BB./CB./SB.	06.98 - 10.07	4	1.6	79	K4M 748	06.98 - 10.99	0 986 580 204
						11.99 - 10.07	0 986 580 312
	03.99 - 10.07	4	2.0	124	F4R 730		0 986 580 204
	10.99 - 10.07	4	1.4	70	K4J 713	10.99 - 03.01	0 986 580 312
						04.01 - 05.01	0 986 580 358
				70-72	K4J 712	10.99 - 03.01	0 986 580 312
						04.01 - 05.01	0 986 580 358
	05.00 - 10.07	4	1.4	70	K4J 715	05.00 - 03.01	0 986 580 312
						04.01 - 05.01	0 986 580 358
	08.00 - 10.07	4	1.6	79	K4M 708	08.00 - 03.01	0 986 580 312
							0 986 580 358
LB.	06.01 - 10.07	4	1.4	70-72	K4J 712		0 986 580 312
	11.01 - 10.07	4	1.4	70	K4J 713		0 986 580 312
BB./CB./SB.	12.02 - 10.07	4	1.6	66	K4M 742		0 986 580 312
BR./CR.	06.05→	4	1.4	72	K4J 780		0 986 580 152
Laguna							
BG.	03.01 - 09.07	4	2.0	103	F4R 712	MXF	0 580 313 053
		6	3.0	152	L7X 731	MXF	0 580 313 053
	06.01 - 09.07	4	2.0	99	F4R 713	MXF	0 580 313 053
Megane							
X64	03.99 - 09.03	4	1.6	79	K4M 700	03.99 - 05.02	0 986 580 803
						06.02 - 09.03	0 986 580 804
	05.00 - 09.03	4	1.6	79	K4M 700	05.00 - 05.02	0 986 580 803
						06.02 - 09.03	0 986 580 804
	01.01 - 09.03	4	1.6	79	K4M 700	01.01 - 05.02	0 986 580 803
						06.02 - 09.03	0 986 580 804
R 19							
X53	09.88 - 12.95	4	1.7	66-70	F3N 742 Kat.	09.88 - 05.89	BFP070
						06.89 - 12.95	0 580 314 073
					F3N 743 Kat.	09.88 - 05.89	BFP070
						06.89 - 12.95	0 580 314 073
	05.92 - 12.95	4	1.8	79-83	F3P 700 Kat.		0 580 314 073
	09.94 - 12.95	4	1.8	79-83	F3P 682 Kat.		0 580 314 073
	10.94 - 12.95	4	1.8	79	F3P 765 Kat.		0 580 314 073





R 21							
L48	07.86 - 12.94	4	2.2	79-81	J7T 754,755 Kat.		BFP070
	10.86 - 03.93	4	2.0	86	J7R 750,751		BFP070
R 25							
	05.88 - 12.92	6	2.9	115	Z7W 701		0 580 464 069
Scenic							
JA	03.99 - 04.03	4	1.6	79	K4M 700	03.99 - 05.02	0 986 580 803
						06.02 - 04.03	0 986 580 804
	06.99 - 04.03	4	2.0	101,5	F4R 744	06.99 - 05.02	0 986 580 803
						06.02 - 04.03	0 986 580 804
	06.00→	4	2.0	102	F4R 746		
					Chassis JAOC, JA1S, JA13		0 986 580 804
	11.00 - 04.03	4	2.0	101,5	F4R 744	11.00 - 05.02	0 986 580 803
						06.02 - 04.03	0 986 580 804
	02.01 - 04.03	4	2.0	102	F4R 746	02.01 - 05.02	0 986 580 803
						06.02 - 04.03	0 986 580 804

ROLLS-ROYCE

Corniche							
	01.87 - 05.90	8	6.8	176	OHV V8 Kat.	01.87 - 09.89	0 580 254 938
						10.89 - 05.90	0 580 254 918
	04.93 - 08.94	8	6.8	184	L 410 M		0 580 254 918
Flying Spur							
	08.94 - 07.95	8	6.8	182	OHV V8		0 580 254 918
Silver Spirit							
	01.87 - 07.89	8	6.8	162	OHV V8		0 580 254 938
	03.94 - 05.98	4	6.8	184	L 410 MN 1T		0 580 254 918
Silver Spur							
	01.87 - 07.89	8	6.8	162	OHV V8		0 580 254 938
	07.89 - 03.93	8	6.8	162	OHV V8	07.89 - 08.89	0 580 254 938
						10.89 - 03.93	0 580 254 918
	04.93 - 12.98	8	6.8	182	OHV V8		0 580 254 918

ROVER

3500 Vitesse							
	10.82 - 10.86	8	3.5	107-136	V 8		BFP070

SAAB (SAAB AUTOMOBILE AB)

99							
	09.74 - 12.75	4	2.0	81	BE 20		0 580 254 978
	01.76 - 08.81	4	2.0	87	BI 20	01.76 - 08.77	0 580 254 978
						09.77 - 08.81	0 580 254 984
	10.77 - 08.80	4	2.0	107	BSI 20		0 580 254 984
900							
	09.78 - 08.83	4	2.0	85-87	BI 20	09.78 - 08.81	0 580 254 984
						09.81 - 08.83	0 580 254 953
				107	B 201 S	09.78 - 08.81	0 580 254 984
						09.81 - 08.83	0 580 254 953
09.83 - 08.90	4	2.0	81	B 201 I Kat.		09.83 - 08.86	0 580 254 953
						09.86 - 08.90	0 580 254 933
08.84 - 08.93	4	2.0	118	B 202 L Kat.		08.84 - 08.86	0 580 464 069
						09.89 - 08.93	0 580 453 945
09.85 - 08.91	4	2.0	81	B 201 I Kat.		09.85 - 08.86	0 580 254 953
						09.86 - 08.91	0 580 254 933
09.85 - 08.92	4	2.0	92-93	B 202 I Kat.		09.85 - 08.86	0 580 464 069
09.90 - 08.93	4	2.0	118	B 202 L Kat.			0 580 453 945
09.91 - 08.93	4	2.1	103	B 212 I Kat.			0 580 453 945





◀ SAAB

	09.93 - 08.98	4	2.0	98	B 206 I Kat.	10.97 - 08.98	0 986 580 352
	09.93 - 10.98	6	2.5	125	B 258 I	10.97 - 10.98	0 986 580 352
	03.94 - 08.98	4	2.0	98	B 206 I Kat.	10.97 - 08.98	0 986 580 352
	09.94 - 08.98	4	2.0	96	B 204 I Kat.	10.97 - 08.98	0 986 580 352
9000							
	09.85 - 08.88	4	2.0	118-120	B 202 L	09.85 - 08.86	0 580 464 069
						09.86 - 08.88	0 580 464 047
	08.86 - 08.93	4	2.0	90-92	B 202 I	08.86 - 08.86	0 580 464 069
						09.86 - 08.93	0 580 464 047
	09.89 - 08.93	4	2.0	92-96	B 202 I		0 580 464 047
	01.90 - 08.93	4	2.0	118-121	B 202 L		0 580 464 047

SEAT

Cordoba

6K2	09.93 - 04.96	4	2.0	85	2E		
					Chassis	10.95 - 04.96	F 000 TE0 111
					6K..TR046 605→		
	07.94 - 12.02	4	1.8	66	ADZ		
					Chassis	10.95 - 12.02	F 000 TE0 112
					6K..TR046 605→		
	12.95 - 11.02	4	1.6	74	AFT		
					Chassis	12.95 - 08.97	F 000 TE0 111
					→6K..V..250 000		
					Chassis	09.97 - 11.02	0 986 580 805
					6K..W..000 001→		
03.97 - 12.98	4	1.6	55	AEE			
				Chassis	03.97 - 08.97	F 000 TE0 111	
				→6K..V..250 000			
				Chassis	09.97 - 12.98	0 986 580 805	
				6K..W..000 001→			

Ibiza

6K1	03.93 - 04.96	4	2.0	85	2E		
					Chassis	10.95 - 04.96	F 000 TE0 111
					6K..TR046 605→		
	09.93 - 12.95	4	1.4	44	ABD		
					Chassis	10.95 - 12.95	F 000 TE0 112
					6K..TR046 605→		
	12.95 - 12.97	4	1.4	44	AEX		
					Chassis	12.95 - 08.97	F 000 TE0 111
					→6K..V..250 000		
					Chassis	09.97 - 12.97	0 986 580 805
06.96 - 10.99	4	2.0	110	ABF			
				Chassis	06.96 - 08.97	F 000 TE0 111	
				→6K..V..250 000			
				Chassis	09.97 - 10.99	0 986 580 805	
				6K..W..000 001→			

Toledo

1L2	05.91 - 06.96	4	2.0	85	2E		0 580 453 914
	03.94 - 03.99	4	2.0	110	ABF		0 580 453 914
					Chassis	09.96 - 03.99	F 000 TE0 111
					1L..V..000 001→		
	03.96 - 03.99	4	2.0	85	AGG		0 580 453 914 F 000 TE0 111





SKODA

Octavia Combi							
1U5	08.00→	4	1.8	110	AUM		0 986 580 805
Roomster							
5J7	05.06→	4	1.6	77	BTS		0 986 580 805

SMART (MCC)

FORFOUR							
	01.04 - 06.07	4	1.3	70	135.930		0 986 580 163
			1.5	80	135.950		0 986 580 163
FORTWO							
	02.04 - 03.07	3	0.7	45			0 986 580 186
Roadster							
	04.03 - 11.05	3	0.7	60	160.922		0 986 580 153
Smart							
	01.03 - 01.04	3	0.7	45			0 986 580 186

SUZUKI

Vitara							
ET	02.91 - 03.98	4	1.6	70	G16B		0 986 580 093

TOYOTA

Avalon							
MCX10R	04.00 - 12.02	6	3.0	145	1MZFE		0 986 580 091
Avenis							
ACM20	05.01 - 11.03	4	2.0	110	1AZFE		F 000 TE1 394
Camry / Vienta							
SV11	03.83 - 10.86	4	2.0	77	2SELC		BFP018
				79	2SEL		BFP018
SV20	01.87 - 06.89	4	1.8	64	1SE	IPA	BFP023
SV21	01.87 - 11.92	4	2.0	88	3SFE		BFP012
VZV21	06.88 - 02.93	6	2.5	117	2VZFE	IPA	BFP023
						ND	BFP012
XV10	02.93 - 03.94	4	2.2	93	5SFE		0 986 580 091
		6	3.0	136	3VZFE		0 986 580 091
SDV10	04.94 - 06.95	4	2.2	93	5SFE		0 986 580 091
VDV10	04.94 - 06.95	6	3.0	136	3VZFE		0 986 580 091
VCV10R	07.95 - 06.97	6	3.0	136	3VZFE		0 986 580 091
SXV10R	07.95 - 04.98	4	2.2	93	5SFE		0 986 580 091
MCV20R	07.97 - 08.02	6	3.0	141	1MZFE		0 986 580 091
SXV20R	05.98 - 02.02	4	2.2	94	5SFE		0 986 580 091
MCV36R	09.02 - 06.06	6	3.0	141	1MZFE		0 986 580 091
Celica							
RA65	08.84 - 07.85	4	2.4	87	22REC		BFP023
	08.84 - 12.85	4	2.4	87	22REC		BFP023
ST162	08.85 - 08.89	4	2.0	103	3SGELC	08.85 - 08.87	BFP018
						09.87 - 08.89	BFP012
				110	3SGEL	08.85 - 08.87	BFP018
						09.87 - 08.89	BFP012
	08.86 - 08.89	4	2.0	103	3SFE	08.86 - 08.87	BFP018
						09.87 - 08.89	BFP012
ST184	10.89 - 11.93	4	2.2	98	5SFE		BFP011
				100	5SFE		BFP011





◀ TOYOTA

ST185	10.89 - 11.93	4	2.0	150-153	3SGTE		0 986 580 030
ST182	10.90 - 11.93	4	2.0	118	3SGE	10.90 - 10.93	BFP011
ST204	11.93 - 08.99	4	2.2	100	5SFE		0 986 580 091
Corolla							
AE82	01.86 - 12.88	4	1.6	86	4AGE		BFP012
AE92	01.88 - 04.92	4	1.6	76	4AFE		BFP011
	07.91 - 06.94	4	1.6	76	4AFE		BFP011
AE94	07.91 - 06.94	4	1.6	76	4AFE	0 986 580 091	BFP011
AE96	10.92 - 06.94	4	1.8	85	7AFE		BFP011
AE101	07.94 - 08.98	4	1.6	78	4AFE	0 986 580 091	
AE102	07.94 - 12.99	4	1.8	85	7AFE	0 986 580 091	
AE101	09.94 - 04.97	4	1.6	78	4AFE	0 986 580 091	
AE112R	10.98 - 10.99	4	1.8	85	7AFE	0 986 580 091	F 000 TE1 394
	10.99 - 09.01	4	1.8	85	7AFE	0 986 580 091	F 000 TE1 394
	10.99 - 10.01	4	1.8	85	7AFE	0 986 580 091	F 000 TE1 394
ZZE122	08.00 - 10.06	4	1.8	97-100	1ZZFE		F 000 TE1 394
	08.00→	4	1.8	99	1ZZFE		F 000 TE1 394
	09.01 - 01.04	4	1.8	99	1ZZFE		F 000 TE1 394
ZZE123	11.01→	4	1.8	140-165	2ZZGE	11.01 - 01.07	F 000 TE1 394 0 580 313 086
						02.07→	F 000 TE1 394
ZZE122	09.02 - 10.06	4	1.8	97	1ZZFE		F 000 TE1 394
Corolla 4WD							
AE95	02.88 - 07.95	4	1.6	76	4AFE		BFP011
Cressida							
MX62	02.81 - 09.84	6	2.8	98-103	5ME	F 00E 170 264	
MX73	10.84 - 10.85	6	2.8	103	5ME		BFP023
	11.85 - 08.88	6	2.8	120	5MGE		BFP023
Crown							
MS123	08.83 - 09.85	6	2.8	107	5ME	F 00E 170 264	
	09.85 - 08.87	6	2.8	125	5MGE	F 00E 170 264	
Hiace							
RZH113	08.89 - 02.05	4	2.4	88	2RZE		BFP012
RZH103	08.93 - 02.05	4	2.4	88	2RZE		BFP012
RCH12R/ S.B.V	08.95 - 12.03	4	2.4	85	2RZE	0 986 580 091	
Hilux							
RN110	08.88 - 08.97	4	2.4	84	22RE	08.88 - 08.90	BFP018
VZN130	08.89 - 11.95	6	3.0	105	3VZE	08.89 - 08.91	BFP023
RZN147R, 149R, 154R	10.97 - 02.05	4	2.7	108	3RZFE	0 986 580 091	
RZN169R, 174R	10.97 - 02.05	4	2.7	108	3RZFE	0 986 580 091	
RZN169H/ RZN174H	08.99 - 07.04	4	2.7	107	3RZFE	0 986 580 091	
Land Cruiser							
RJ70	12.88 - 04.96	4	2.4	81	22RE		BFP012
FJ80	01.90 - 08.92	6	4.0	112	3FE		BFP012
Land Cruiser Prado							
VZJ90W/ VZJ95W	04.96 - 09.02	6	3.4	136	5VZFE	0 986 580 091	
VZJ90/95	04.96 - 01.03	6	3.4	131-136	5VZFE	04.96 - 06.99	0 986 580 090
VZJ95	04.96 - 01.03	6	3.4	131-136	5VZFE	0 986 580 091	
RZJ90/95	10.96 - 08.04	4	2.7	112	3RZFE	0 986 580 091	
VZJ120W/ VZJ121W/ VZJ125W	09.02 - 01.03	6	3.4	136	5VZFE	0 986 580 091	
Lexcen							
VN19, VN35	06.89 - 08.91	6	3.8	125	VH		BFP772
VP19, VP35	09.91 - 05.93	6	3.8	128	VH		BFP772
VR19, VR35	06.93 - 04.95	6	3.8	130	VH		BFP772
VS19, VS35	05.95 - 04.97	6	3.8	147	VH		BFP772





MR2									
AW11	08.87 - 12.89	4	1.6	88	4AGELC				BFP012
SW20	12.89 - 12.91	4	2.0	118	3SGE				BFP012
	12.89 - 08.99	4	2.0	125	3SGE				BFP012
Prius									
NHW11	05.00 - 08.03	4	1.5	53	1NZFXE				F 000 TE1 394
RAV4									
ACA 20/21	05.00 - 07.03	4	2.0	110	1AZFE				F 000 TE1 394
Spacia									
YR22	01.93 - 01.98	4	2.2	75	4YEC				0 986 580 091
Supra									
MA70	08.88 - 04.93	6	3.0	175	7MGTE				0 986 580 017
MA71	10.88 - 04.93	6	3.0	173	7MGTE				F 00E 170 262
Tarago									
YR31	01.86 - 04.90	4	2.2	75	4YEC				F 00E 170 264
TCR10R	05.90 - 12.00	4	2.4	97	2TZFE	05.90 - 12.93			BFP012
						01.94 - 12.00			0 986 580 091

VOLVO

C30									
	10.06 - 07.07	5	2.5	162	B5254T3		EU4,EU5, OXF		0 580 314 173
							ULE		0 580 314 169
	10.06→	5	2.4	132	D5244T..				0 580 303 085
C70									
	09.97 - 07.02	5	2.3	176	B5234T3				0 580 453 420
	03.99 - 07.00	5	2.4	103	B5244S				0 580 453 420
				121	B5244S				0 580 453 420
	08.99 - 07.02	5	2.4	142	B5244T				0 580 453 420
	08.02 - 03.06	5	2.3	180	B5234T9				0 580 453 420
C70 II									
	03.06→	5	2.5	162	B5254T3				
					Chassis →023208	08.07→	ULE		0 580 314 169
S40									
	09.95 - 07.99	4	2.0	103	B4204S				0 986 580 181
	05.97 - 07.99	4	1.9	147	B4194T				0 986 580 182
	04.98 - 07.99	4	2.0	118	B4204T				0 986 580 182
	08.99 - 07.00	4	1.9	118	B4204T2				
					Chassis →948638				0 986 580 314
				147	B4194T2				
					Chassis →948638				0 986 580 314
	08.99 - 01.04	4	1.8	90	B4184S2				0 986 580 313
			2.0	100	B4204S2				0 986 580 313
	08.00 - 01.04	4	1.9	147	B4204T5				
					Chassis →948638				0 986 580 314
	08.01 - 01.04	4	1.9	120	B4204T3				
					Chassis →948638				0 986 580 314
P 11	12.03→	5	2.4	125	B5244S4				0 580 314 038
							50T,EU4, OXF		0 580 314 050
						12.03 - 07.04	EU4		0 580 314 038
							ULE		0 580 314 042
					Chassis →86889	12.03 - 07.07	SUE		0 580 314 046
		2.5	162		B5254T3				0 580 314 040
						12.03 - 07.04	EU4,OXF		0 580 314 052
					Chassis →305678	08.07→	ULE		0 580 314 169
					Chassis →86889	12.03 - 07.07	SUE		0 580 314 046
					Chassis 278782→	08.04→	EU4,OXF		0 580 314 173

2008 | 2009


V



VW (VOLKSWAGEN)

Bora									
1J2	09.98 - 02.01	5	2.3	110	AGZ				0 986 580 805
	09.98 - 05.05	4	2.0	85	APK				0 986 580 805
	09.00 - 05.05	5	2.3	125	AQN				0 986 580 805
Bus									
24, 25	08.85 - 07.92	4	2.1	70	MV				0 580 464 085
Caravelle									
70	09.90 - 06.03	4	2.0	62	AAC				
					Chassis	09.90 - 09.92			0 580 453 012
					→70..P..030 000				
					Chassis	10.92 - 06.03			F 000 TE0 111
					70..P..030 001→				
	11.90 - 12.93	5	2.5	81	AAF				
					Chassis	11.90 - 09.92			0 580 453 012
					→70..P..030 000				
					Chassis	10.92 - 12.93			F 000 TE0 111
					70..P..030 001→				
	07.94 - 10.96	5	2.5	81	ACU				F 000 TE0 111
	08.96 - 06.03	5	2.5	85	AET				F 000 TE0 111
	05.00 - 06.03	6	2.8	150	AMV				F 000 TE0 111
Golf I Cabriolet									
15	07.90 - 08.93	4	1.8	70	JH				0 580 254 909
Golf II									
19, 1G	07.90 - 11.92	4	1.8	77	RV			0 580 453 914	
Golf III									
1H1	04.94 - 09.94	4	2.0	85	2E				F 000 TE0 111
	04.94 - 12.97	6	2.8	128	AAA				F 000 TE0 111
	10.94 - 12.97	4	2.0	85	ADY				F 000 TE0 111
	10.95 - 12.97	4	1.8	66	ADZ				F 000 TE0 112
Golf III Cabriolet									
1E7	02.95 - 07.95	4	2.0	85	ADY				F 000 TE0 111
	07.95 - 04.98	4	2.0	85	AGG				F 000 TE0 111
Golf IV									
1J1	10.97 - 10.00	4	1.8	92	AGN				0 986 580 805
	10.97 - 05.03	4	1.8	110	AGU	10.97 - 04.01			0 986 580 805
						05.01 - 05.03			0 986 580 805
	10.97 - 05.04	4	1.6	74	AKL				0 986 580 805
	01.98 - 05.04	4	1.6	74	AEH				0 986 580 805
	08.98 - 05.04	4	2.0	85	APK				0 986 580 805
	09.00 - 05.04	4	1.6	75	AVU				0 986 580 805
	07.03 - 02.04	4	2.0	85	APK		VDO		0 986 580 805
Golf IV Cabriolet									
1E7	04.98 - 12.01	4	2.0	85	AGG				F 000 TE0 111
New Beetle									
1C1, 9C1	01.98 - 10.01	4	2.0	85	AEG		LIN,VEA		0 986 580 805
	11.98 - 06.05	4	2.0	85	AQY		LIN,VEA		0 986 580 805
	06.00 - 06.04	4	1.8	110	AWV		LIN,VEA		0 986 580 805
	06.00 - 06.05	4	1.6	75	AYD		LIN,VEA		0 986 580 805
	10.00→	4	1.8	110	AWU		LIN,VEA		0 986 580 805
	06.01→	4	2.0	85	AZJ		LIN,VEA		0 986 580 805
	06.02→	4	1.6	75	BFS		LIN,VEA		0 986 580 805
New Beetle Cabriolet									
1Y7	01.03 - 06.05	4	2.0	85	BGD				0 986 580 805
	01.03→	4	2.0	85	AZJ				0 986 580 805
Passat									
31, 35, 3A,	07.95 - 03.97	4	2.0	85	AGG				F 000 TE0 111
3A5, 3A2	08.95 - 03.97	6	2.8	128	AAA				F 000 TE0 111





3B2	10.96 - 11.00	4	1.8	110	AEB		0 986 580 805
		5	2.3	110	AGZ		0 986 580 805
	12.96 - 01.99	4	1.8	92	ADR		0 986 580 805
	01.97 - 11.00	6	2.8	142	ACK		0 986 580 805
3B5	06.97 - 11.00	6	2.8	142	ACK		0 986 580 805
	09.97 - 11.00	5	2.3	110	AGZ		0 986 580 805
3B2	08.98 - 11.00	4	1.8	110	ANB		0 986 580 805
	01.99 - 11.00	4	1.8	92	APT		0 986 580 805
				110	APU		0 986 580 805
3B5	01.99 - 11.00	4	1.8	92	APT		0 986 580 805
				110	ANB		0 986 580 805
					APU		0 986 580 805
3B2	02.99 - 11.00	4	1.8	92	ARG		0 986 580 805
3B5	02.99 - 11.00	4	1.8	92	ARG		0 986 580 805
3B3	10.00 - 05.05	4	1.8	110	AWT		0 986 580 805
		5	2.3	125	AZX		0 986 580 805
		6	2.8	140	BBG		0 986 580 805
				142	AMX		0 986 580 805
Polo							
6N1	10.96 - 12.99	4	1.6	55	AEE		
					Chassis	10.96 - 07.97	F 000 TE0 111
					→6N..WW001 000, →6N..WY000 157		
					Chassis	08.97 - 12.99	0 986 580 805
6N2	01.99 - 09.01	4	1.4	55	AHW		0 986 580 805
	06.03→	4	1.6	74	BCD		0 580 453 611
9N2	07.03→	4	1.4	55	BBY		0 580 453 611
9N3	04.05 - 05.07	4	1.4	74	BBZ		0 580 453 611
	08.05→	4	1.8	110	BJX		0 580 453 611
	08.06→	4	1.6	74	BAH		F 000 TE0 044
Transporter							
24, 25	01.83 - 07.85	4	1.9	60	DH		0 580 464 085
	07.85 - 07.92	4	2.1	82	DJ		0 580 464 085
	08.85 - 07.92	4	2.1	70	MV		0 580 464 085
70	09.90 - 06.03	4	2.0	62	AAC		
					Chassis	09.90 - 09.92	0 580 453 012
					→70..P..030 000		
					Chassis	10.92 - 06.03	F 000 TE0 111
					70..P..030 001→		
	11.90 - 12.93	5	2.5	81	AAF		
					Chassis	11.90 - 09.92	0 580 453 012
					→70..P..030 000		
					Chassis	10.92 - 12.93	F 000 TE0 111
					70..P..030 001→		
7D	11.92 - 12.93	5	2.5	81	AAF		F 000 TE0 111
70	01.94 - 10.96	5	2.5	81	ACU		F 000 TE0 111
	08.96 - 06.03	5	2.5	85	AET		F 000 TE0 111
Vento							
1H2	07.95 - 03.97	4	2.0	85	AGG		F 000 TE0 111

Special cases and icon definitions

10L	For vehicles with 100 liter tank capacity
4PO	Connection, 4-pole
50T	For vehicles with 50 l tank capacity
5PO	Connection, 5-pole
ALE	All-wheel steering
BET	Vehicle manufacturer's fastening elements required
BO	Bosch, only as replacement for Bosch equipment
EFV	Also replacement for predecessor
EU4	For vehicles with emission standard EURO 4
EU5	For vehicles with emission standard EURO 5
FFP	For vehicle with two-way radio/police vehicle
FMB	For vehicles with on-board computer
FMH	For vehicles with auxiliary heater
FOB	For vehicles without on-board computer
FOH	For vehicles without auxiliary heater
GS	For vehicles with manual transmission
HI	Rear
IPA	Interchangeable Bosch product or part for AISAN
ITV	For vehicles with in-tank pre-supply pump
KOB	For station wagon
KTA	For vehicles with plastic fuel tank
LAB	Left side
LIN	Left-hand thread
MFG	With level sensor
MHE	For vehicles with supplementary heater
MRK	For vehicles without fuel return
MTA	For vehicles with metal fuel tank
MXF	Fuel filter fitted in tank
NAL	Not for vehicles with all-wheel steering
ND	Interchangeable Bosch product or part for Nippondenso
OIT	For vehicles without in-tank pre-supply pump
ORK	For vehicles with fuel return
OXF	Fuel filter fitted outside tank
OZH	For vehicles without supplementary heater
RAB	Right side
SED	For SEDAN model
SUE	For vehicles with emission standard SULEV+ (Super Ultra-Low Emission Vehicles)
TW	Product installed must be determined on vehicle or engine.
ULE	For vehicles with emission standard ULEV+ (Ultra-Low Emission Vehicles)
VDO	Interchangeable Bosch product or part for VDO
VEA	Heavy-duty version
VO	Front
WW	Optional
ZE	Two required



Passenger cars / Small vans



Capacity in l/ccm



Engine power output in kW



Engine Type



Export Market



Date / Production period



Special case



Original equipment number / Return number



Electric fuel pump (in-line/in-tank)



Electric fuel pump (in-line/in-tank) with components



Universal electrical fuel pump



Fuel pump module



Fuel pump suction module



Fuel tank level sensor



Fuel pump non-return valve



System pressure at rated voltage



Delivery at rated voltage



Illustration

Getting you moving for more than 40 years: Fuel pumps from Bosch



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