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

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.

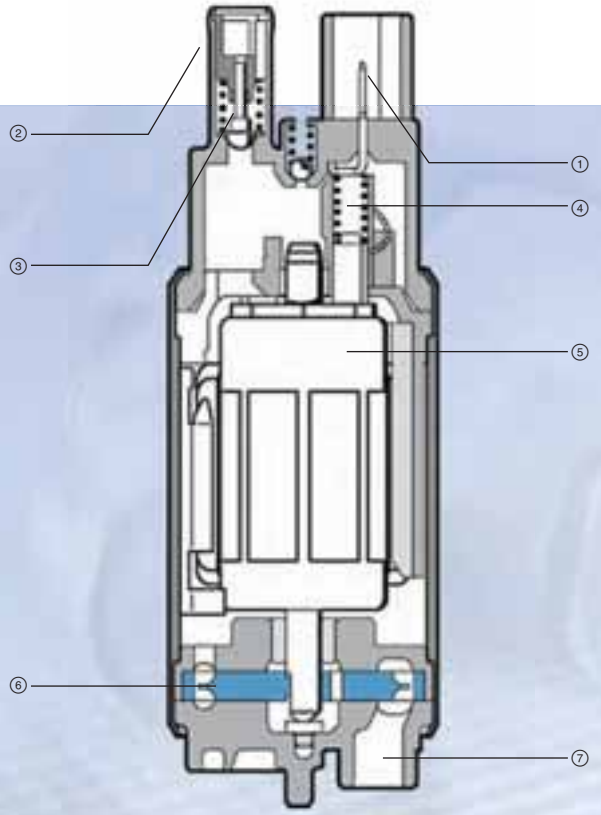
In just over a hundred years, Bosch successfully transformed from a small automotive supplier into a modern, multinational group, which today has a workforce of more than 270,000 people worldwide.

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

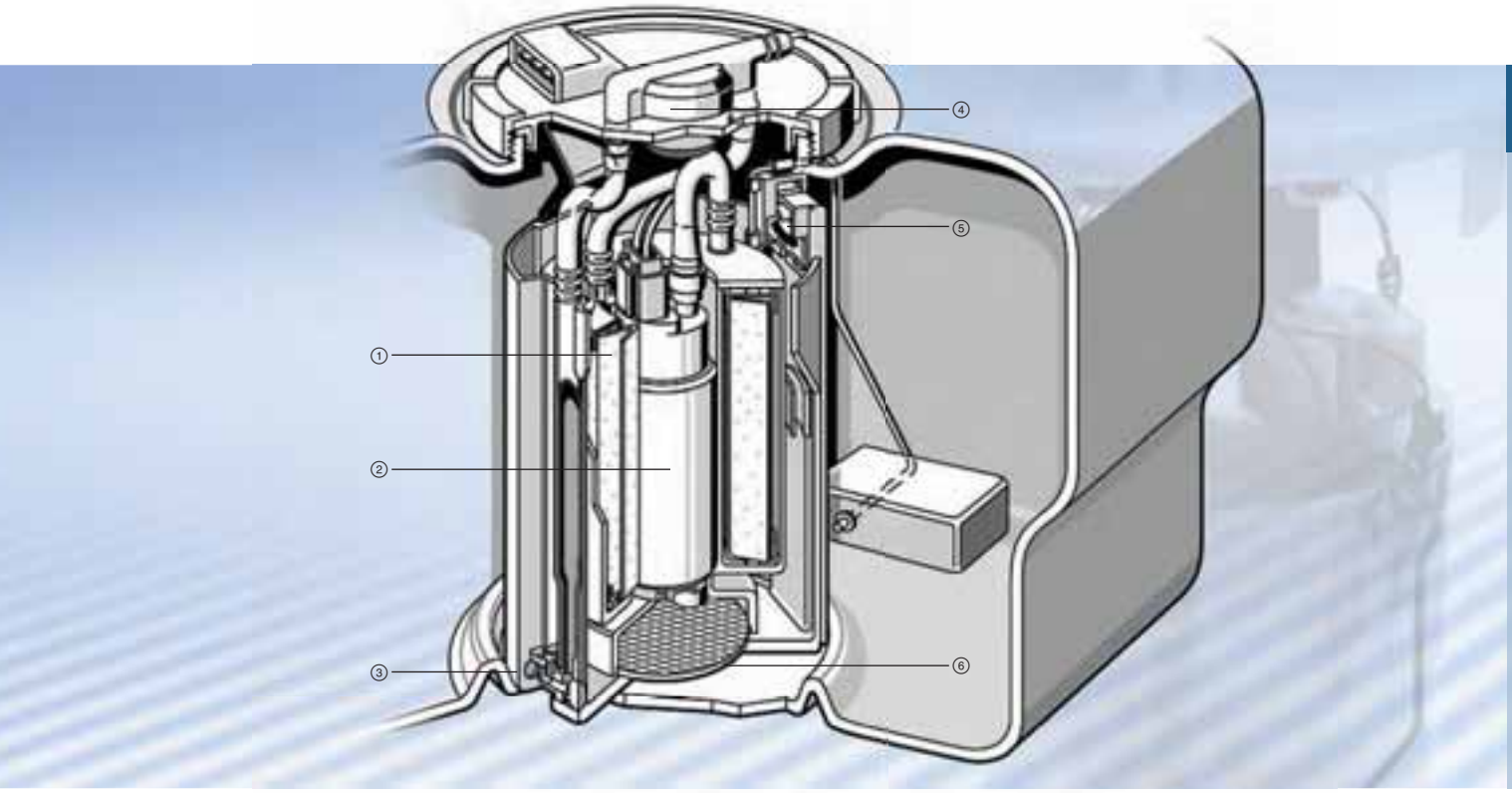


Irrespective of operating conditions, the electric fuel pump must supply the engine with sufficient fuel at the correct pressure for injection. Apart from this, the electric fuel pump is also being used increasingly as the pre-supply pump in modern direct-injection systems. This applies to both gasoline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

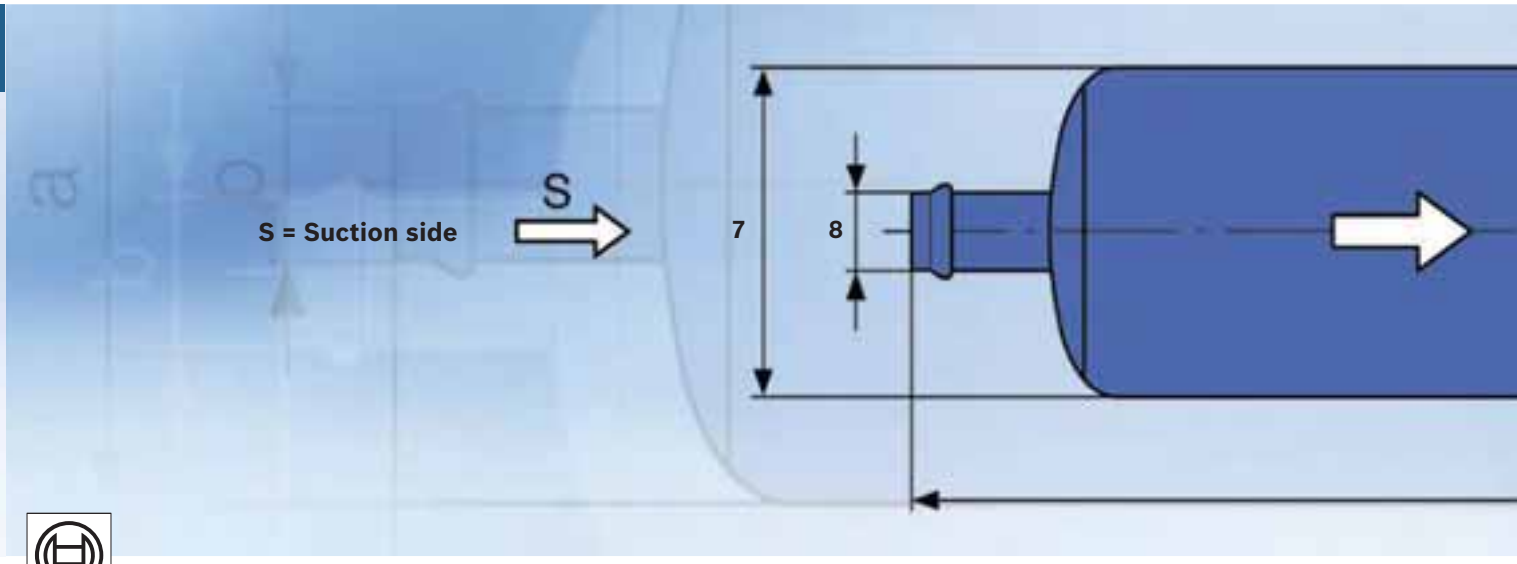
There are a total of 7 universal electric fuel pumps available from Bosch, to replace the previous range of 72 electric fuel pumps. One parts set makes this possible – each of these 7 electric fuel pumps is supplied with a parts set and easy-to-follow installation instructions. These make up the Universal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

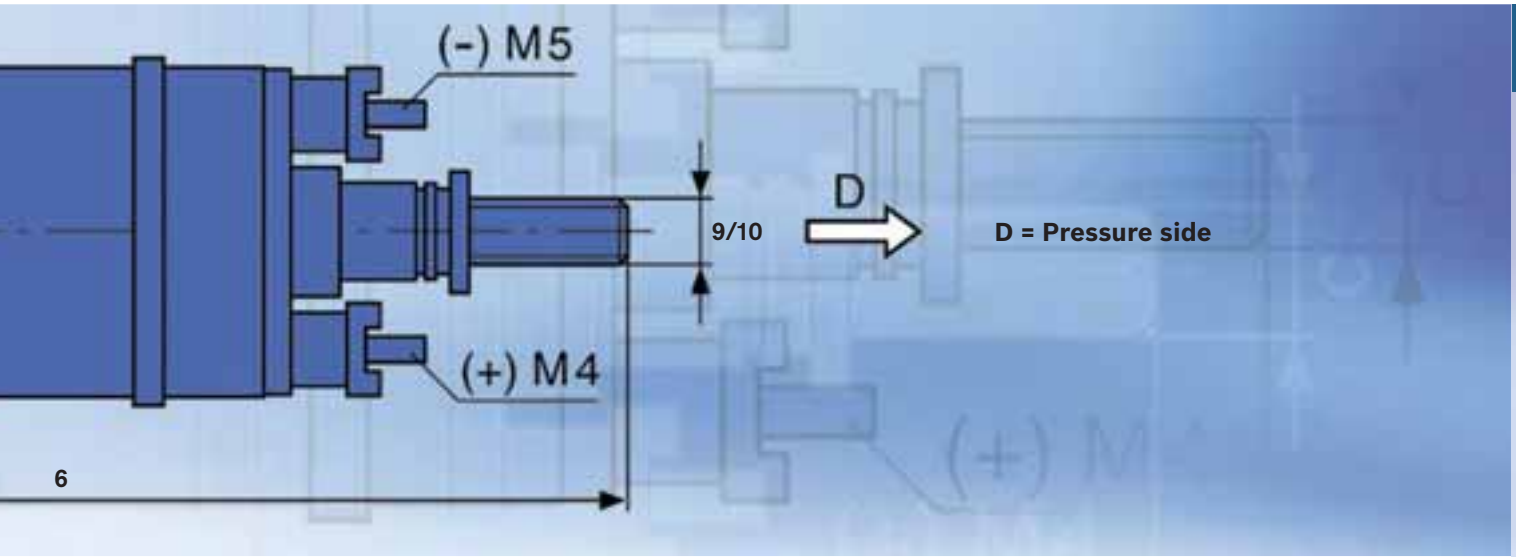
1) Delivery quantity with nominal voltage l/h
2) System pressure kPa
3) Nominal voltage V
4) Power consumption A
5) Pressure limit kPa
6) Total length (l) mm
7) Pump Ø (a) mm
8) Suction connection, nominal Ø (b) mm
9) Pressure connection thread (c)
10) Pressure connection, nominal Ø (c) mm
11) Additional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



	UNI		UNI		UNI
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

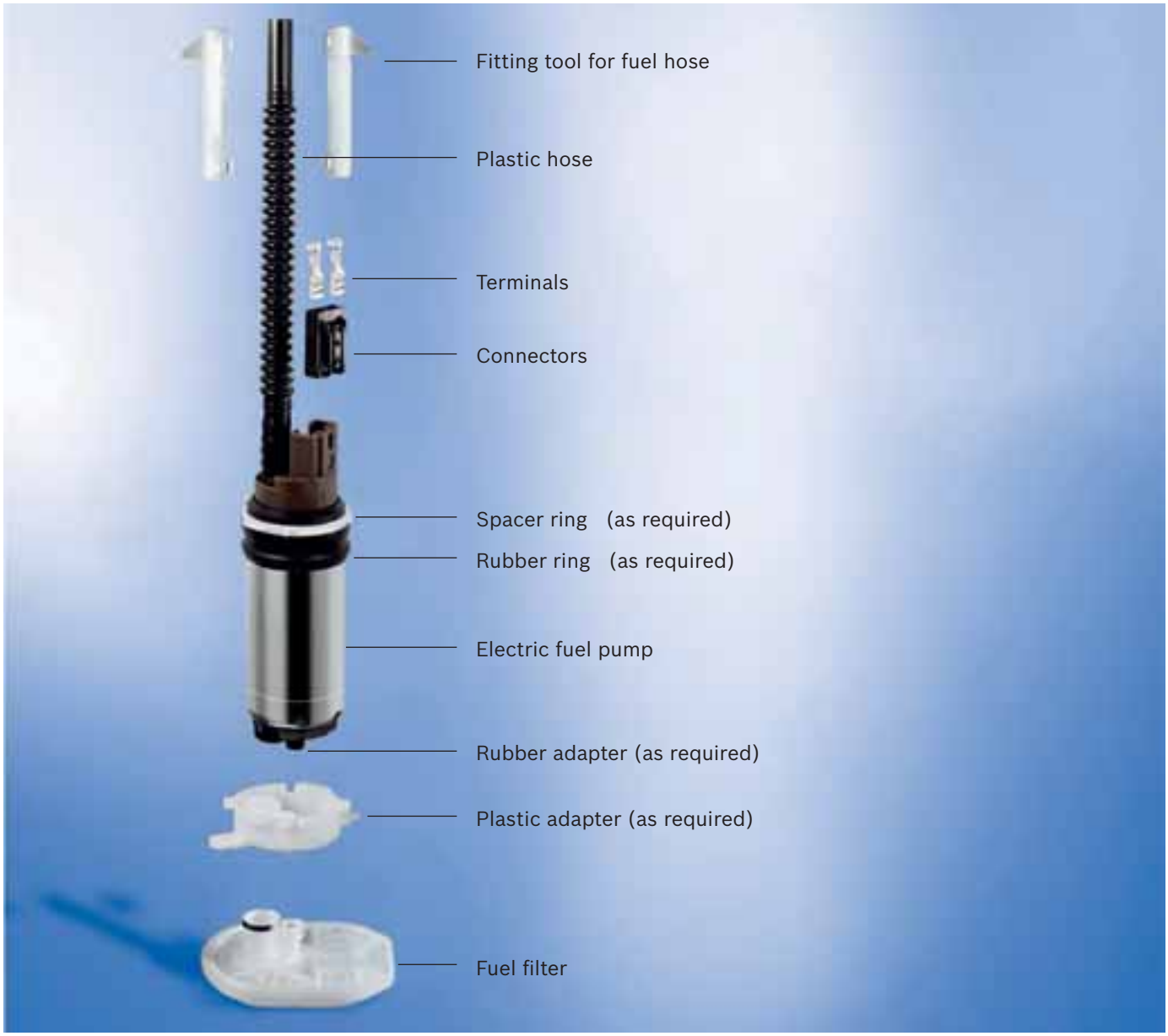
The new Bosch kits

- 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

Range overview, Fuel pumps & In-tank units

0 580 254 ...

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 254 001	1	1 587 010 533	D	•			500	128	**VW (VOLKSWAGEN)**
0 580 254 005	1	1 587 010 531	A	•			500	168	**FERRARI:** 412
0 580 254 011	2	1 587 010 532	B	•			500	128	**FERRARI:** Mondial; 348; 355; 412; 512
0 580 254 012	3	1 587 010 532	B	•			500	128	**VW (VOLKSWAGEN):** Golf
0 580 254 013	3	1 587 010 536	C	•			500	85	**VW (VOLKSWAGEN):** Golf II
0 580 254 018	2	1 587 010 532	B	•			500	168	**LANCIA**
0 280 254 023*	4	1 587 010 531	A	•			500	168	**AUDI:** 200 Turbo
0 580 254 033	3	1 587 010 532	B	•			500	128	**SEAT:** Toledo **VW (VOLKSWAGEN):** Golf; Golf II
0 580 254 040*	4	1 587 010 531	A	•			650	102	**AUDI:** 80; 80 Avant; 100; 100 Avant; 200; 200 Avant; A6; A6 Avant; Coupé
0 580 254 044*		1 587 010 532	B	•			500	200	**FERRARI; PORSCHE; MOTORSPORT**
0 580 254 046*	5	NSS		•			300	207	**CHRYSLER:** Viper Coupé
0 580 254 051	6	1 587 010 532	B	•			400	110	**AUDI:** Cabriolet
0 580 254 053	7	1 587 010 532	B		•		500	175	**AUDI:** Quattro **PORSCHE:** 911; 924; 928
0 580 254 909*	7	1 587 010 532	B		•		500	148	**BENTLEY:** Corniche; Mulsanne **BMW:** 3 & 5 Series **PEUGEOT:** 505 **VOLVO:** 240; 260; 740; 940 **VW (VOLKSWAGEN):** Golf I; Golf I Cabriolet;
0 580 254 910*	8	1 587 010 532	B		•		500	130	**AUDI:** 80; 90; 100; 100 Avant; 200; A8; Cabriolet; Coupé; Quattro **FERRARI:** Mondial **LAMBORGHINI (S+L+H):** Countach **MERCEDES-BENZ:** K-Jetronic All
0 580 254 911*	8	1 587 010 536 1 587 010538	C		•		400	95	**MERCEDES-BENZ:** KE-Jetronic All
0 580 254 918	9	1 587 010 533	D	•			420	170	**ASTON MARTIN:** Lagonda **BENTLEY:** Brooklands; Continental Cabrio; Mulsanne; Turbo R, S **PORSCHE:** 959 **ROLLS-ROYCE:** Corniche; Flying; Silver Spirit; Silver Spur
0 580 254 921	10	1 587 010 532	B	•			650	102	**AUDI:** Coupé; 80; 90; 100; 100 Avant; 200; A8
0 580 254 929	10	1 587 010 532	B	•			650	142	**AUDI:** Quattro
0 580 254 933	11	1 587 010 535	E	•			500	128	**SAAB (SAAB AUTOMOBILE AB):** 900
0 580 254 934	11	1 587 010 532	B	•			500	128	**VOLVO:** 240; 740; 940
0 580 254 935	12	1 587 010 534	F	•			500	128	**VOLVO:** 740

*** Further Technical Data available on Page A61**

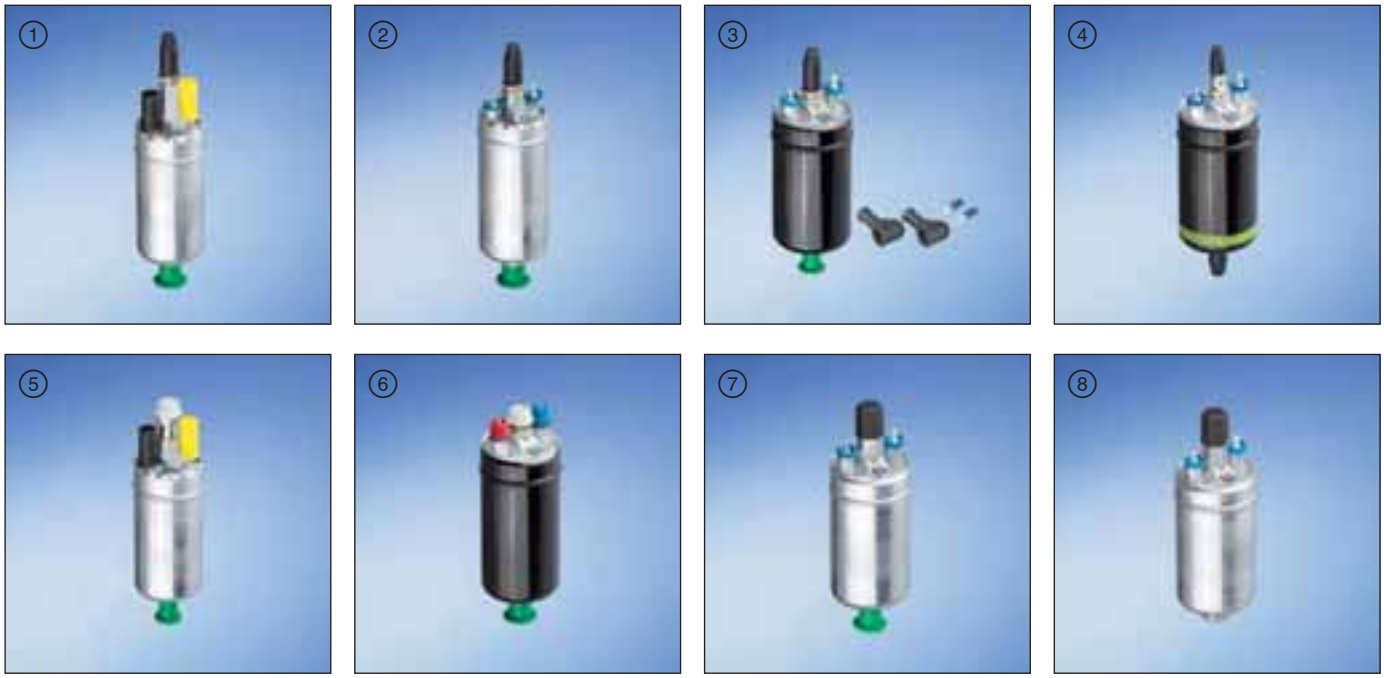

1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F

Range overview, Fuel pumps & In-tank units

0 580 254 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 254 936	1	1 587 010 533	A	•			500	168	**FORD**
0 580 254 937	2	1 587 010 537	B	•			500	168	**RENAULT:** 25
0 580 254 938	3	1 587 010 533	A	•			500	168	**BENTLEY:** Mulsanne **ROLLS-ROYCE:** Corniche; Silver Spirit; Silver Spur
0 580 254 941	1	1 587 010 532	C	•			500	168	**FORD:** Sierra
0 580 254 947	4	1 587 010 532	C	•			500	168	**FERRARI:** BB; Mondial; Testarossa; 308; 328; 412
0 580 254 948	5	1 587 010 534	D	•			500	128	**VOLVO:** 740; 760
0 580 254 949	1	1 587 010 532	C	•			500	128	**VOLVO:** 240; 260
0 580 254 950	2	1 587 010 536	E	•			400	95	**MERCEDES-BENZ:** KE-Jetronic
0 580 254 953	2	1 587 010 535	F	•			500	128	**SAAB (SAAB AUTOMOBILE AB):** 900
0 580 254 956	2	1 587 010 532	C	•			500	128	**FERRARI:** Mondial
0 580 254 957	2	1 587 010 532	C	•			500	128	**BMW:** 3 & 5 Series **PEUGEOT:** 505 **VW (VOLKSWAGEN):** Golf I; Golf I Cabriolet; Passat;
0 580 254 959	6	1 587 010 532	C	•			500	128	**VW (VOLKSWAGEN):** Passat;
0 580 254 967	4	1 587 010 532	C	•			500	168	**BENTLEY:** Corniche; Mulsanne **PORSCHE:** 911
0 580 254 975*	7	NSS	G	•			500	168	**BENTLEY:** Corniche; **FERRARI:** Mondial; 308; 400 **MERCEDES-BENZ:** S Class **PEUGEOT:** 604
0 580 254 979*	8	NSS	G	•			300	195	**BMW:** M Series **PORSCHE:** 911
0 580 254 982	7	NSS	G	•			500	120	**BMW:** 3 & 5 Series **PEUGEOT:** 505
0 580 254 984*	7	NSS	G	•			500	168	**DE LOREAN:** DMC-12 **MERCEDES-BENZ** **PEUGEOT:** 504; 604 **PORSCHE:** 924 **RENAULT:** 5; 25; 30 **SAAB (SAAB AUTOMOBILE AB):** 99; 900

*** Further Technical Data available on Page A61**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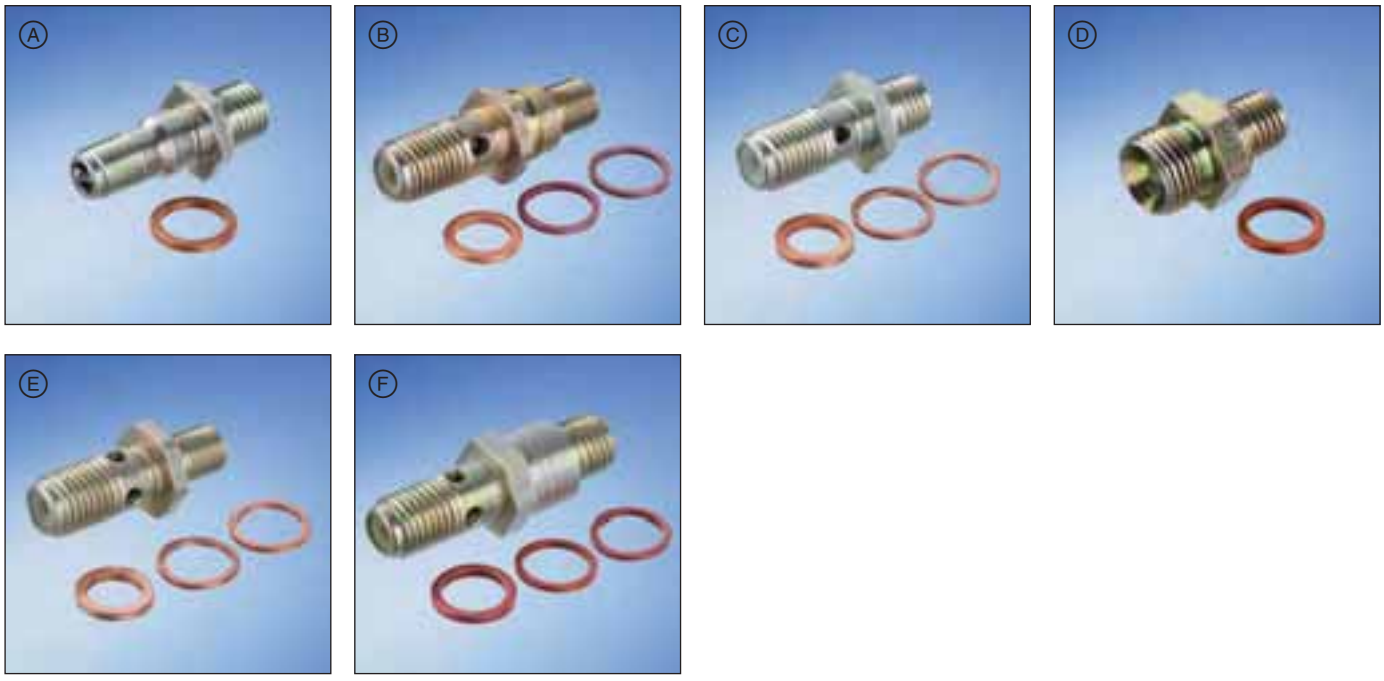
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Range overview, Fuel pumps & In-tank units

0 580 303 ... (continued)

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
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)	
0 580 303 ... (continued)									
0 580 303 034	1	1 582 980 030	A			•	150	30	**ALFA ROMEO:** GT; 156 Berlina; Sport Wagon
0 580 303 035	2					•	150	30	**LANCIA**
0 580 303 036	3					•	150	25	**FIAT**
0 580 303 041	4					•	410	180	**BMW**
0 580 303 043	4					•	430	155	**BMW:** 5 Series
0 580 303 046	5					•	150	30	**ALFA ROMEO:** 166
0 580 303 060	6					•	450	41	**FIAT**
0 580 303 061	7					•	150	30	**FIAT:** Ducato;
0 580 303 082	8					•	450	25	**FIAT**
0 580 303 094	8					•	450	160	**MERCEDES-BENZ:** Sprinter
0 580 305 ...									
0 580 305 003	9					•	110	80	**CITROËN:** Berlingo; **PEUGEOT:** 306
0 580 305 006	10					•	110	85	**CITROËN** **PEUGEOT**
0 580 305 007	10					•	110	85	**PEUGEOT:** 205
0 580 310 ...									
0 580 310 014	11					•	300	90	**CITROËN** **PEUGEOT**
0 580 310 015	12					•	300	90	**CITROËN:** AX **PEUGEOT:** 205
0 580 313 ...									
0 580 313 006	13					•	294	80	**HONDA:** Accord Sedan
0 580 313 011	14	1 582 980 029	B			•	350	40	**ALFA ROMEO** **FIAT**
0 580 313 012	15	1 582 980 030	C			•	350	40	**ALFA ROMEO:** 156 Berlina; Sport Wagon


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Range overview, Fuel pumps & In-tank units

0 580 313 ... (continued)

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
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


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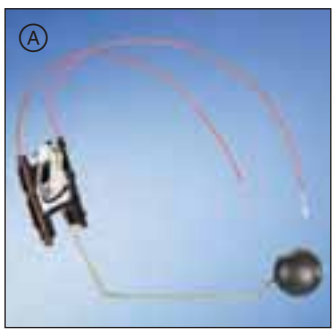
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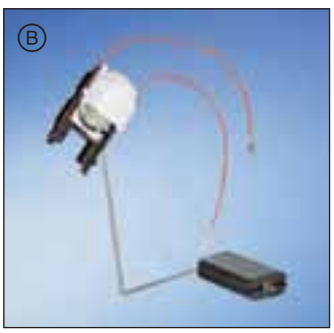
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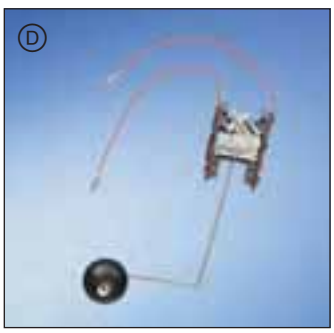
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Range overview, Fuel pumps & In-tank units

0 580 313 ... (continued)

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
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**


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Range overview, Fuel pumps & In-tank units

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 313 ... (continued)									
0 580 313 107	1					•	450	60	**ALFA ROMEO:** GT; 156 Berlina; Sport Wagon
0 580 313 109	2					•	300	115	**CITROËN** **PEUGEOT:** 306
0 580 313 111	3	1 582 980 041	A			•	350	46	**ALFA ROMEO:** 147
0 580 313 117	4	1 582 980 034	B			•	450	35	**ALFA ROMEO:** GTV; Spider
0 580 313 120	5					•	350	35	**NISSAN**
0 580 313 173	6					•	300	75	**NISSAN**
0 580 314 ...									
0 580 314 010	7					•	350	80	**FIAT**
0 580 314 016	8					•	350	46	**ALFA ROMEO:** 147
0 580 314 017	9					•	350	80	**CITROËN:** C2
0 580 314 020	10					•	350	46	**FIAT:** Punto **LANCIA**
0 580 314 026	11					•	350	110	**BMW:** 5 Series
0 580 314 028	11					•	350	110	**BMW:** 5 & 6 Series
0 580 314 033	12					•	350	120	**VOLVO:** S60; XC70
0 580 314 034	13						350	60	**ALFA ROMEO:** GT; 156 Berlina; Sport Wagon
0 580 314 035	14					•	350	80	**CITROËN:** C3; C3-Pluriel
0 580 314 038	15					•	400	60	**VOLVO:** S40 II
0 580 314 040	16					•	350	120	**VOLVO:** S40 II; V50


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Range overview, Fuel pumps & In-tank units

0 580 314 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
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


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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


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Range overview, Fuel pumps & In-tank units

0 580 453 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
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


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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


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Range overview, Fuel pumps & In-tank units

0 580 464 ... (continued)

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 464 013	1			•			300	130	**ALFA ROMEO:** Alfetta; Giulietta; GTV; GTV 6; Spider; 90 **BMW:** 3 & 5 Series **PEUGEOT:** 505 **RENAULT:** Fuego
0 580 464 021	2	1 587 010 536	A	•			300	130	**PORSCHE:** 911; 924; 944
0 580 464 022	3	1 587 010 539	B	•			300	130	**VOLVO:** 360
0 580 464 025	3	1 587 010 539	B	•			300	130	**VOLVO:** 740; 760; 940; 960
0 580 464 029	4	1 587 010 539	B	•			300	130	**JAGUAR:** Daimler; Sovereign; XJ S Cabrio; XJ S Coupé; XJ 6
0 580 464 032	1			•			300	110	**BMW:** 3, 5, 6 & 7 Series
0 580 464 037	1	1 587 010 536	A	•			300	130	**FIAT**
0 580 464 038	5			•			300	110	**CITROËN:** BX; CX; **PEUGEOT:** 306; 405; 505
0 580 464 040	6	1 587 010 536	A	•			300	110	**FORD**
0 580 464 042	7	1 587 010 536	A	•			400	98	**PORSCHE:** 944; 968
0 580 464 044	8	1 587 010 536	A	•			300	110	**CITROËN:** CX **PEUGEOT:** 505 **RENAULT:** 21; 25
0 580 464 045	8	1 587 010 532	C	•			400	141	**PORSCHE:** 928
0 580 464 047	6	1 587 010 537	D				300	130	**SAAB (SAAB AUTOMOBILE AB):** 9000
0 580 464 048	1						300	110	**ALFA ROMEO** **BMW:** 5, 6 & 7 Series
0 580 464 051	1			•			300	130	**HOLDEN:** Commodore
0 580 464 057	7	1 587 010 532	C	•			400	147	**PORSCHE:** 928
0 580 464 058	7	1 587 010 532	C	•			400	147	**PORSCHE:** 911
0 580 464 068	3	1 587 010 539	B	•			250	110	**VOLVO:** 240; 740; 760; 780; 940; 960
0 580 464 069*	7	1 587 010 539	B		•		400	98	**ALFA ROMEO:** 75 **CITROËN:** CX **FIAT:** Uno **PORSCHE:** 911; 924; 944; 968 **RENAULT:** Alpine; Espace II; 21; 25 **SAAB (SAAB AUTOMOBILE AB):** 900; 9000 **VOLVO:** 340; 360; 740; 760; 780; 940

*** Further Technical Data available on Page A61**


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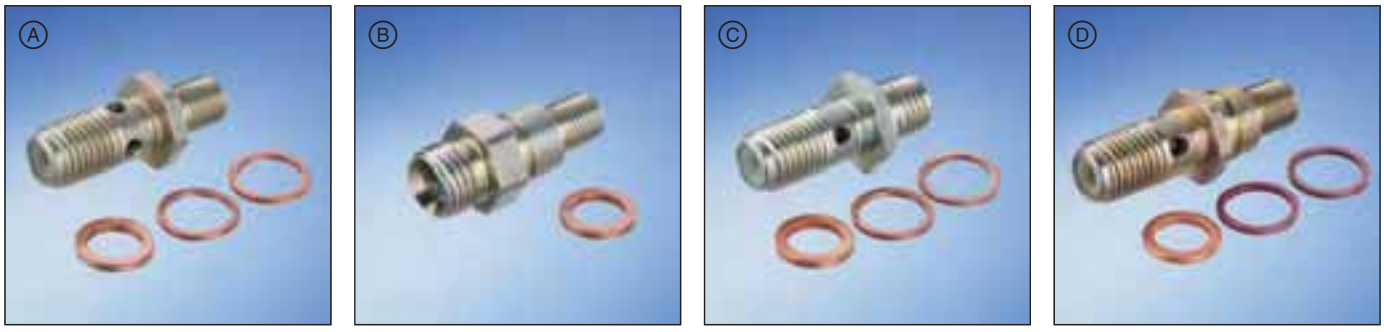
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Range overview, Fuel pumps & In-tank units

0 580 464 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
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**


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Range overview, Fuel pumps & In-tank units

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
0 580 464 ... (continued)									
0 580 464 990	1	1 587 010 536	A	•			300	110	**ALFA ROMEO:** 164 **FERRARI:** F 50; 456; 550
0 580 464 995	2	1 587 010 538	B		•		350	102	**BMW:** 5 & 7 Series
0 580 464 996	3			•			300	130	**FIAT:** Croma
0 580 464 997	1	1 587 010 536	A	•			300	130	**ALFA ROMEO:** GTV; 164 **FIAT:** Croma
0 580 464 998	3			•			300	130	**FORD:** Fairlane; Falcon; LTD
0 986 580 ...									
0 986 580 009 (BFP 009)	4				•		250	112	**MAZDA:** 323 Hatchback; 323 Wagon; 626 Wagon
0 986 580 010	4				•		250	107	**HONDA:** Accord Aerodeck; Accord Coupé; Accord Sedan
0 986 580 011 (BFP 011)	5				•		250	112	**LEXUS:** IS **TOYOTA:** Camry; Celica; Corolla
0 986 580 012 (BFP 012)	6				•		250	112	**TOYOTA:** Camry; Celica; Corolla; Hiace Van; Land Cruiser; MR2 Coupé
0 986 580 013 (BFP 013)	7				•		250	108	**MITSUBISHI:** Galant; Galant Hatchback; L 300; Pajero
0 986 580 016	8				•		250	80	**MITSUBISHI:** Colt; Lancer
0 986 580 017	9			•			250	125	**TOYOTA:** Celica Liftback; Supra
0 986 580 018 (BFP 018)	10				•		250	80	**TOYOTA:** Camry Liftback; Celica; Hilux Pickup
0 986 580 019	11			•			250	80	**MAZDA:** 323
0 986 580 023 (BFP 023)	12				•		250	80	**MITSUBISHI:** Galant; **TOYOTA:** Camry; Celica; Cressida Sedan
0 986 580 025	13			•			250	80	**MITSUBISHI:** Galant; Galant Hatchback
0 986 580 026 (BFP 026)	13			•			250	80	**MITSUBISHI:** Colt; Lancer;
0 986 580 028	14				•		250	125	**LEXUS:** LS
0 986 580 029	15			•			250	200	**MAZDA:** RX-7 Coupé
0 986 580 030	9				•		250	125	**TOYOTA:** Celica Liftback


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Range overview, Fuel pumps & In-tank units

0 986 580 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
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


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Range overview, Fuel pumps & In-tank units

0 986 580 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
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


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Range overview, Fuel pumps & In-tank units

0 986 580 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
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


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Range overview, Fuel pumps & In-tank units

0 986 580 ... (continued)

	Fig.		Fig.		+		Operating Pressure (KPA)	Flow Rate (L/HR)	
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**


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Range overview, Fuel pumps & In-tank units

0 986 580 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
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


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Range overview, Fuel pumps & In-tank units

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
0 986 580 ... (continued)									
0 986 580 509	1				•		300	65	**HYUNDAI:** Accent; Excel; Sonata
0 986 580 512	2				•		150	185	**HYUNDAI:** Santa Fe; Trajet
0 986 580 801	3				•		380	105	**RENAULT:** Mégane; Scénic
0 986 580 802	4				•		380	105	**RENAULT:** Laguna; Mégane; Scénic
0 986 580 803	5				•		300	110	**RENAULT:** Mégane; Scénic
0 986 580 804	6				•		300	110	**RENAULT:** Mégane; Scénic
0 986 580 805	7				•		380	115	**AUDI:** A3 **SEAT:** Cordoba; Ibiza; Toledo **SKODA:** Roomster **VW (VOLKSWAGEN):** Bora; Golf IV; Jetta; New Beetle; New Beetle Cabriolet; Passat; Polo
0 986 580 806	8				•		350	55	**HYUNDAI:**
0 986 580 807	9				•		380	80	**HOLDEN:** Tigra Twin Top; Vectra
0 986 580 808	10				•		300	80	**FIAT**
0 986 580 809	7				•		300	80	**SKODA** **VW (VOLKSWAGEN)**
0 986 580 810	11				•		380	105	**RENAULT:** Clio
1 582 881 ...									
1 582 881 001	12					•	450	40	**MERCEDES-BENZ:** CLS & E Class
1 582 881 002	13					•	50	40	**MERCEDES-BENZ:** C Class
1 582 881 005	14					•	50	40	**MERCEDES-BENZ:** E Class
1 582 881 007	13					•	450	40	**MERCEDES-BENZ:** C & CLK Class


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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**


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Range overview, Fuel pumps & In-tank units

F 000 TE0 ... (continued)

	Fig.		Fig.				Operating Pressure (KPA)	Flow Rate (L/HR)	
F 000 TE0 118	1					•	300	105	**FIAT**
F 000 TE1 07F (BFP 100)					•				**HOLDEN:** Commodore, Statesman
F 000 TE1 07G (BFP 101)					•				**HOLDEN:** Commodore, Statesman
F 000 TE1 07H (BFP 102)					•				**FORD:** Falcon **HOLDEN:** Commodore, Statesman
F 000 TE1 07J (BFP 103)					•				**HOLDEN:** Commodore, Statesman
F 000 TE1 07K (BFP 104)					•				**HOLDEN:** Commodore Utility
F 000 TE1 07M (BFP 105)					•				**FORD:** Falcon
F 000 TE1 07N (BFP 106)					•				**FORD:** Falcon
F 000 TE1 187	2				•		110	80	**FIAT**
F 000 TE1 257	3				•		300	105	**CHEVROLET**
F 000 TE1 258	4				•		400	100	**CHEVROLET**
F 000 TE1 276	5				•		380	105	**FORD:** Fiesta; Ka
F 000 TE1 394	6				•		380	105	**TOYOTA:** Avensis Verso; Corolla; Prius; RAV4; Yaris;
F 000 TE1 502	7				•		380	105	**MAZDA:** 323 Astina
F 000 TE1 772 (BFP 772)					•				**HOLDEN:** Commodore, Statesman
F 005 X11 472 (BFP 472)					•				**FORD:** Falcon MPFI **NISSAN:** Pintara
F 005 X11 473 (BFP 473)					•				**FORD** **MITSUBISHI**


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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.

Technical specifications are a guide only.

- The component specifications detailed within this information have been compiled by Bosch Australia as indicative operational and dimensional technical specifications only. The precise performance of a component during ordinary use will vary in accordance with a variety of environmental factors.
- Dimensional drawings and images shown within this information are representative only and are not to scale. No full scale engineering design for volume production should be undertaken without further consultation with Bosch Australia.
- The provision of these technical specifications in no way, implied or otherwise, forms any application suggestion or recommendation of suitability to the application for which the customer may have chosen a product.

Bosch is not liable for third party recommendations or modifications

- Bosch is not liable for damage arising from reliance on application recommendations and specification statements made by third parties regarding Bosch products.
- Modification of fuel management systems should only be carried out by suitably qualified personnel. It is the responsibility of the purchaser/consumer to ensure the product is compatible with the fuel management system/vehicle used to avoid damage. Subject to statutory warranties, Bosch is not liable for damage caused by third party recommendations or modifications.
- Modification of fuel management systems may cause a vehicle to contravene state or federal emission laws and/or ADR's. Bosch does not endorse or recommend the modification of standard vehicles and does not accept liability for damages or consequential loss related to any modification undertaken by the purchaser.

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- Unless otherwise specified, Bosch components are designed, tested and produced for use with standard passenger vehicles only. Bosch does not warrant the performance of components outside their specified or normal operating range, purpose and/or environmental conditions and, subject to statutory warranties, is not liable for any damage (consequential or otherwise) arising from the use of any of these components outside their specified or normal operating range, purpose and/or environmental conditions.
- 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.

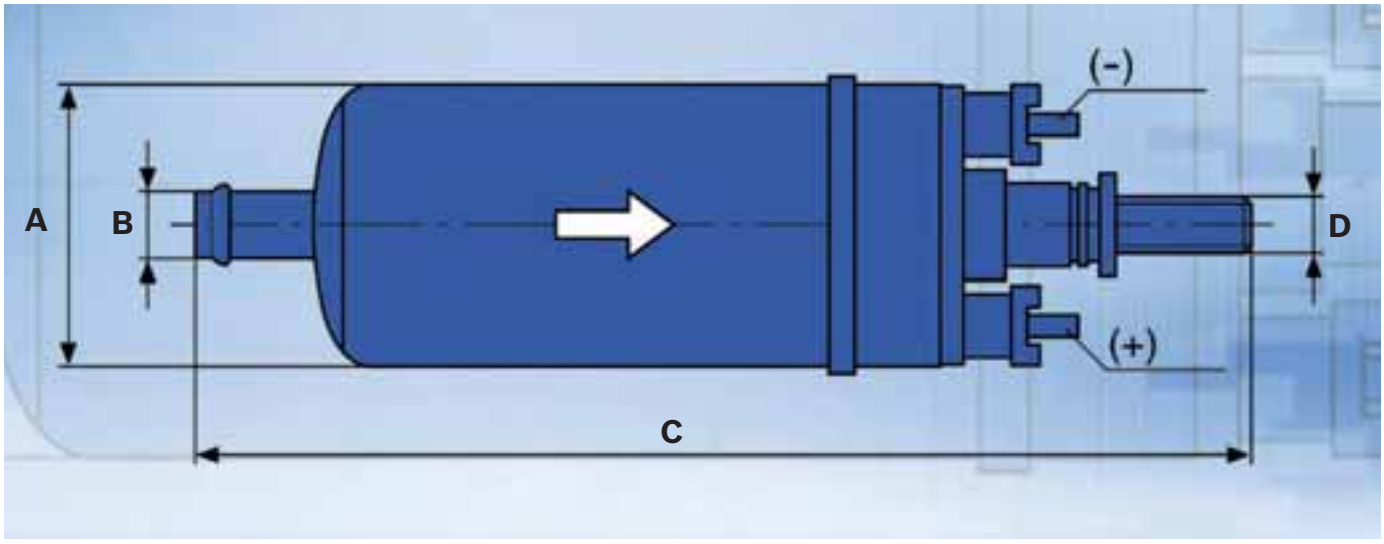
- Due to the specialised nature of some of these products, they are often manufactured to order only. Certain parts listed within this information [*generally parts with a "**B**" part number prefix*] may therefore have a delivery lead time of up to ten (10) weeks from the date of order. Once orders 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.

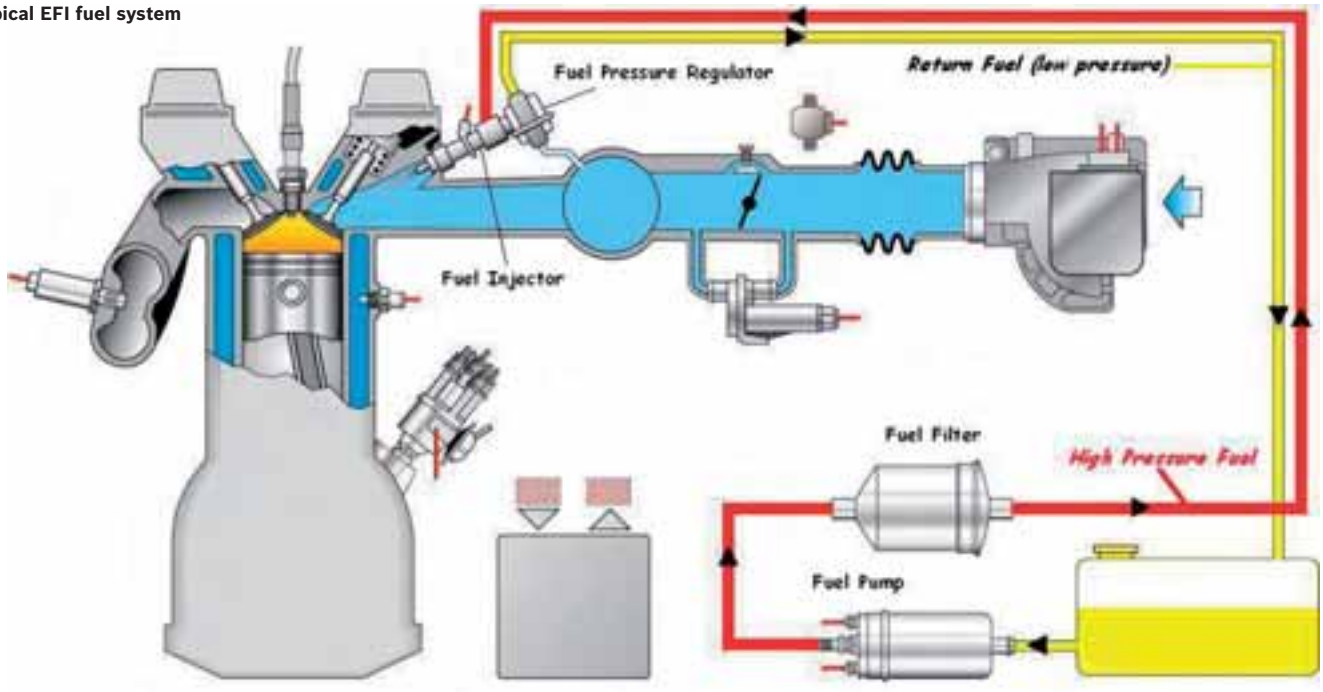
Fuel System Operating or Regulated Pressure Testing (*with 3.0 bar regulator*)

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.

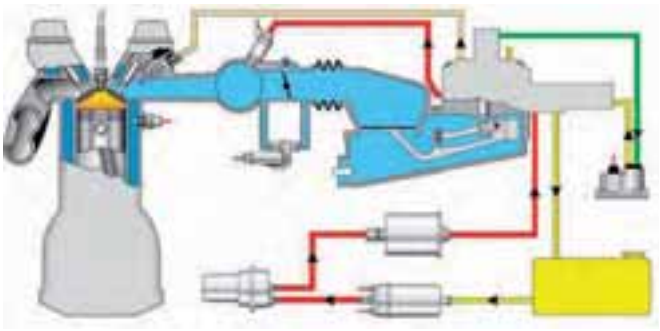
The only way to establish the "Operational Status" of the K-Jetronic system is to *check the various fuel circuit pressure and flow specifications in a specified sequence*. Essential system checks include,

- "*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*.

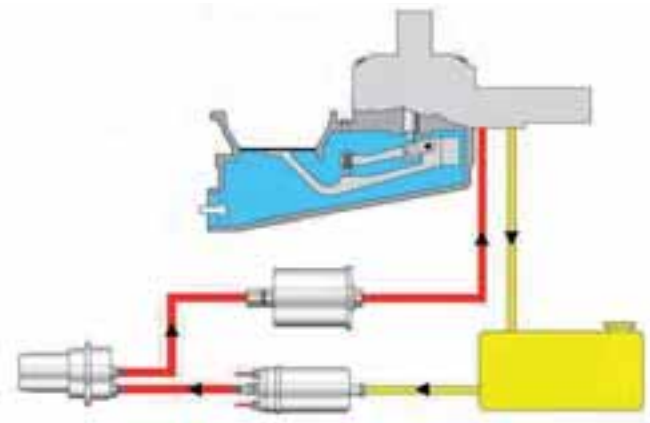
The pressure gauge needs to be fitted between the fuel pump and system pressure regulator (fuel distributor), anywhere in the red area on the diagram. With the fuel pump running the system pressure should be approximately **5 bar (500 kpa)**. Consult the vehicle manufacturer for exact pressure specifications.

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

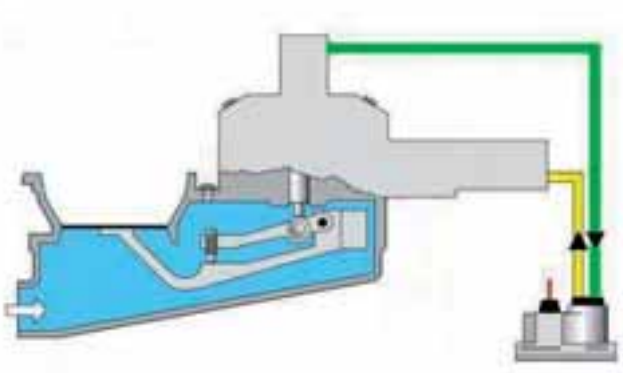
IMPORTANT NOTE - You must have tested and rectified any issues with the “System Pressure & Flow” BEFORE carrying out control pressure circuit testing.

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.

Notes

Notes

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**
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**	
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 →8G..S..002 000	01.93 - 10.94				**0 580 254 910**
					Chassis 8G..S..002 001→	10.94 - 09.98		**0 580 254 051**		
	01.94 - 08.00	6	2.6	110	ABC					
					Chassis →8G..S..002 000	01.94 - 10.94				**0 580 254 910**
					Chassis 8G..S..002 001→	10.94 - 08.00		**0 580 254 051**		
Fox										
	08.78 - 07.80	4	1.6	61	YG, YH					
					Chassis →819..2168 076	08.78 - 02.79				**0 580 254 909**
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					**BFP081**

◀ 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 EL A	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**
E 46	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**

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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			**BFP070**	
						09.87 - 12.91			**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	
	09.89 - 12.95	6	2.5	141	25 6S 1/2		TW		**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	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..	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**		

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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**	

		Cyl.	l/ccm	kW	Type					
Falcon / Fairmont										
XF	09.84 - 10.87	6	3.3	90	V			**0 580 464 998**		
			4.1	120	T		KOB		**BFP070**	
							SED	**0 580 464 998**		
					Y		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	09.96 - 02.98			**BFP472**	
		8	5.0	165	Z		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**	

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Falcon Van										
XG	03.93 - 03.96	6	4.0	148	H				**BFP472**	
XH	04.96 - 05.99	6	4.0	148	H				**BFP472**	
Falcon XR6										
EB II	10.92 - 07.93	6	4.0	161	X				**BFP472**	
ED	08.93 - 07.94	6	4.0	161	X		KOB		**BFP106**	
							SED		**BFP472**	
EF	09.94 - 09.95	6	4.0	164	X		KOB		**BFP106**	
							SED		**BFP472**	
EF II	10.95 - 08.96	6	4.0	164	X				**BFP472**	
EL	09.96 - 08.98	6	4.0	164	X	09.96 - 02.98			**BFP472**	
AU	09.98 - 02.00	6	4.0	172	Y				**BFP105**	
BA II	10.04 - 09.05	6	4.0	182	H				**BFP102**	
Falcon XR8										
ED	08.93 - 08.94	8	5.0	165	Z				**BFP472**	
				192	T				**BFP472**	
EF	09.94 - 09.95	8	5.0	170	Z				**BFP472**	
EF II	10.95 - 08.96	8	5.0	170	Z				**BFP472**	
EL	09.96 - 08.98	8	5.0	170	Z	09.96 - 02.98			**BFP472**	
AU III	04.01 - 09.02	8	5.0	200	Z				**BFP105**	
Festiva										
WB	04.94 - 12.96	4	1.3	47	U				**BFP474**	
WBII	02.97 - 12.97	4	1.3	47	U				**BFP474**	
			1.5	67	E				**BFP474**	
WF	01.98 - 12.00	4	1.3	47	U				**BFP474**	
			1.5	56	E				**BFP474**	
Focus										
	08.98 - 05.05	4	1.8	85	EYDC					**0 986 580 402**
			2.0	96	EDDC		GS			**0 986 580 402**
Ka										
	09.96 - 10.02	4	1.3	44	J4D					**0 986 580 400**
					J4M					**0 986 580 400**
Laser										
KC	10.85 - 09.87	4	1.6	61	F				**BFP009**	
KE	10.87 - 02.90	4	1.6	61	F				**BFP009**	
				100	T				**BFP009**	
KF	03.90 - 09.91	4	1.8	76	N				**BFP474**	
				92	C				**BFP474**	
	06.90 - 09.91	4	1.8	117	H			**0 580 453 477**		
KH	10.91 - 09.92	4	1.8	76	N			**0 580 453 477**	**BFP474**	
				92	C				**BFP474**	
				117	H			**0 580 453 477**		
KH II	10.92 - 07.93	4	1.8	117	H			**0 580 453 477**		
	10.92 - 09.94	4	1.8	76	N				**BFP474**	
				92	C				**BFP474**	
KJ	10.94 - 11.96	4	1.6	80	B				**BFP474**	
			1.8	92	N				**BFP474**	
KJ II	12.96 - 12.97	4	1.6	80	B				**BFP474**	
			1.8	92	N				**BFP474**	
KJ III	12.97 - 03.99	4	1.6	80	B				**BFP474**	
			1.8	92	N				**BFP474**	
KN	03.99 - 02.01	4	1.8	92	FP			**0 580 453 477**		
	03.99→	4	1.8	92	FP				**BFP474**	
LTD										
FE	09.84 - 05.88	6	4.1	120	T			**0 580 464 998**		
DA	06.88 - 09.89	6	3.9	139	P				**BFP472**	
DA II	10.89 - 06.91	6	3.9	139	P				**BFP472**	
DC	07.91 - 02.92	6	3.9	139	P				**BFP472**	
		8	5.0	165	Z				**BFP472**	
	03.92 - 02.95	6	4.0	148	H				**BFP472**	
DC II	03.92 - 02.95	8	5.0	165	Z				**BFP472**	
DF	03.95 - 09.95	6	4.0	157	H				**BFP472**	
		8	5.0	165	Z				**BFP472**	

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**		

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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**		

		Cyl.	l/ccm	kW	Type					
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										
FO	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 V4 I				**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**	

MAZDA

B 2200										
UF	08.91 - 03.96	4	2.2	68	Chassis 2613607→			**BFP034**		
B2600										
UF	12.86 - 11.89	4	2.6	73	LG54			**BFP034**		
	11.89 - 03.96	4	2.6	73-90	G6			**BFP034**		
	03.96 - 05.99	4	2.6	92	G6			**BFP034**		
Eunos 30X										
EC	12.91 - 10.93	6	1.8	99	K8			**0 580 453 477**		
	11.93 - 01.98	6	1.8	99	K8			**0 580 453 477**		
Eunos 500										
CA	04.94 - 09.96	6	2.0	108	KF			**0 580 453 477**		
MPV										
LV	08.93 - 04.96	6	3.0	115	E	ND		**0 580 453 477**		
MX-6										
GD	07.87 - 10.88	4	2.2	84	F2					
					Chassis →GD1021-105663				**BFP009**	
	09.89 - 06.91	4	2.2	100	F2	ALE,RAB		**0 986 580 706**		
						NAL			**BFP009**	
GE	07.94 - 06.97	6	2.5	121	KL			**0 580 453 477**		
						ND		**0 580 453 477**		
RX-7										
FC	09.85 - 04.89	2	1.3	133	13BN34					
					Chassis →FC1031-101465				**0 986 580 021**	
	03.89 - 11.91	2	1.3	120	13B			**F 00E 170 262**	**0 986 580 021**	
				133	13B			**F 00E 170 262**		
FD	01.92 - 07.94	2	1.3	176	13B				**0 986 580 029**	
	07.94 - 02.96	2	1.3	176-177	RE13B				**0 986 580 029**	
323										
BF	07.85 - 07.87	4	1.6	61	B6				**BFP009**	
	09.87 - 06.89	4	1.6	61	B6				**BFP009**	
BG	07.89 - 03.91	4	1.8	76	BP	TW			**0 986 580 083**	
					Chassis BG10*1-116161→	TW		**0 580 453 477**		
	11.89 - 04.92	4	1.8	76	BP	TW		**0 986 580 019**		
	04.91 - 05.94	4	1.8	76	BP					
					Chassis BG10*2-108174→			**0 580 453 477**		
				92	BP					
					Chassis BG10*2-108174→			**0 580 453 477**		
BA	05.94 - 09.95	4	1.8	92	BP			**0 580 453 477**		
						TW			**F 000 TE1 502**	
		6	2.0	104	KF/F			**0 580 453 477**		
						TW			**F 000 TE1 502**	
	08.95 - 09.96	4	1.6	78	B6			**0 580 453 477**		
						TW			**F 000 TE1 502**	
			1.8	92	BP			**0 580 453 477**		
						TW			**F 000 TE1 502**	
	10.96 - 06.98	4	1.6	80	B6	TW		**0 580 453 477**	**F 000 TE1 502**	
			1.8	92	BP			**0 580 453 477**		
						TW			**F 000 TE1 502**	
626										
GD	07.87 - 08.89	4	2.2	84	F2					
					Chassis →GD1021-105663				**BFP009**	
GV	03.88 - 09.89	4	2.2	84	F2				**BFP009**	
GD	09.89 - 09.91	4	2.2	84	F2				**BFP009**	
GE	09.91 - 05.94	6	2.5	121-123	KL	ND		**0 580 453 477**		
	01.92 - 05.94	4	2.0	85-86	FS	ND		**0 580 453 477**		
	04.92 - 05.94	6	2.5	121	KL	ND		**0 580 453 477**		
	11.92 - 05.94	6	2.5	121-123	KL	ND		**0 580 453 477**		
	06.94 - 06.97	4	2.0	85-86	FS	ND		**0 580 453 477**		
		6	2.5	121	KL	ND		**0 580 453 477**		

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					
					Chassis →GD1021-105663		NAL		**BFP009**	
	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**

◀ MERCEDES-BENZ

C36 AMG										
W202	01.94 - 05.97	6	3.6	206	M 104.941 Chassis A 015717→, F 000796→			**0 986 580 371**		
					Chassis →A 015716, →F 000795				**0 580 254 911**	
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 Chassis A 015717→, F 000796→			**0 986 580 371**		
					Chassis →A 015716, →F 000795				**0 580 254 911**	
	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**	

◀ MERCEDES-BENZ

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**

M

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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			**0 986 580 372**		
					Chassis C 226336→					
320E										
W124	09.92 - 06.93	6	3.2	162	M 104.992			**0 986 580 372**		
					Chassis C 227245→, J 081289→					
350SL										
W107	05.71 - 02.76	8	3.5	147	M 116.982, 984				**0 580 254 910**	
					Chassis 012224→					
	03.76 - 02.80	8	3.5	144	M 116.982, 984				**0 580 254 910**	
					Chassis 012224→					
350SLC										
W107	01.72 - 02.76	8	3.5	148	M 116.982, 984				**0 580 254 910**	
					Chassis F002391→					
					Chassis 010805→				**0 580 254 910**	
	03.76 - 02.80	8	3.5	144	M 116.982, 984				**0 580 254 910**	
					Chassis F002391→					
					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			**0 986 580 372**		
					Chassis A220201→					
					Chassis →A220200		ZE		**0 580 254 911**	
	06.93 - 09.95	8	4.2	205-210	M 119.971			**0 986 580 372**		
					Chassis A220201→					
					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				**0 580 254 910**	
					Chassis 029876→					
	12.75 - 10.80	8	4.5	161-167	M 117.982, 985				**0 580 254 910**	
					Chassis 029876→					
450SLC										
W107	01.73 - 11.75	8	4.5	161-167	M 117.982, 985				**0 580 254 910**	
					Chassis 012079→					
	12.75 - 09.80	8	4.5	161-167	M 117.982, 985				**0 580 254 910**	
					Chassis 012079→					

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**	

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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**

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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	XFX					
					Org. 8576→	06.00 - 06.04	MRK			**0 986 580 260**
							ORK			**0 986 580 143**
	12.99 - 02.05	6	3.0	150	XFX					
					Org. 8576→	06.00 - 02.05	MRK			**0 986 580 260**
							ORK			**0 986 580 143**

		Cyl.	l/ccm	kW	Type					
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	XFX					**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**		
						10.77 - 07.79	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 92471 00714→	05.77 - 06.80		**0 580 254 984**		

◀ 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**
						04.01 - 10.07				**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 JA0C, 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 6K..TR046 605→	10.95 - 04.96			**F 000 TE0 111**	
	07.94 - 12.02	4	1.8	66	ADZ					
					Chassis 6K..TR046 605→	10.95 - 12.02			**F 000 TE0 112**	
	12.95 - 11.02	4	1.6	74	AFT					
					Chassis →6K..V..250 000	12.95 - 08.97			**F 000 TE0 111**	
					Chassis 6K..W..000 001→	09.97 - 11.02			**0 986 580 805**	
	03.97 - 12.98	4	1.6	55	AEE					
					Chassis →6K..V..250 000	03.97 - 08.97			**F 000 TE0 111**	
					Chassis 6K..W..000 001→	09.97 - 12.98			**0 986 580 805**	
Ibiza										
6K1	03.93 - 04.96	4	2.0	85	2E					
					Chassis 6K..TR046 605→	10.95 - 04.96			**F 000 TE0 111**	
	09.93 - 12.95	4	1.4	44	ABD					
					Chassis 6K..TR046 605→	10.95 - 12.95			**F 000 TE0 112**	
	12.95 - 12.97	4	1.4	44	AEX					
					Chassis →6K..V..250 000	12.95 - 08.97			**F 000 TE0 111**	
					Chassis 6K..W..000 001→	09.97 - 12.97			**0 986 580 805**	
	06.96 - 10.99	4	2.0	110	ABF					
					Chassis →6K..V..250 000	06.96 - 08.97			**F 000 TE0 111**	
					Chassis 6K..W..000 001→	09.97 - 10.99			**0 986 580 805**	
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 1L..V..000 001→	09.96 - 03.99			**F 000 TE0 111**	
	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**	
Avensis										
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**

◀ VOLVO

P 11	04.04→	5	2.5	162	B5254T3					
					Chassis →305678		MXF			**0 580 314 217**
						08.06→	OXF			**0 580 314 219**
	03.06→	5	2.4	132	D5244T8					**0 580 303 085**
S60										
P 24	11.00 - 07.03	5	2.4	147	B5244T3		MTA			**0 580 314 033**
					Chassis 637581→	08.02 - 07.03	KTA			**1 582 980 137**
	11.00 - 03.04	5	2.3	184-195	B5234T3		MTA			**0 580 314 033**
					Chassis 637581→	08.02 - 03.04	KTA			**1 582 980 137**
	11.00→	5	2.4	125	B5244S	11.00 - 07.04	MTA			**0 580 313 116**
						08.04→	MTA			**0 580 314 122**
	03.03 - 07.07	5	2.5	220	B5254T4		MTA			**0 580 314 033**
					Chassis 637581→		KTA			**1 582 980 137**
	04.04→	5	2.5	154	B5254T2		MTA			**0 580 314 033**
					Chassis 637581→		KTA			**1 582 980 137**
S70										
	01.97 - 07.99	5	2.4	121	B5254S			**0 580 453 420**		
				142	B5254T			**0 580 453 420**		
	01.97 - 07.00	5	2.3	176	B5234T3			**0 580 453 420**		
	08.99 - 07.00	5	2.4	103	B5244S2			**0 580 453 420**		
S80										
P 23	08.01 - 07.06	6	2.9	200	B6294T	08.02 - 07.06				**1 582 980 137**
	08.03 - 07.06	5	2.5	154	B5254T2					**1 582 980 137**
V40										
	01.96 - 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 - 04.04	4	1.8	90	B4184S2					**0 986 580 313**
			2.0	100	B4204S2					**0 986 580 313**
	08.01 - 04.04	4	1.9	120	B4204T3					
					Chassis →948638					**0 986 580 314**
V50										
P 12	04.04→	5	2.4	125	B5244S4					
					Chassis →85247		SUE			**0 580 314 046**
			2.5	162	B5254T3					
					Chassis →219999		EU4,EU5, WW			**0 580 314 052**
					Chassis →322099	08.06→	ULE			**0 580 314 169**
					Chassis →85247		SUE			**0 580 314 046**
					Chassis 400000→		EU4,EU5			**0 580 314 173**
V50 D5										
P 12	04.06→	5	2.4	132	D5244T8					**0 580 303 085**
V50 T5 AWD										
P 12	04.04→	5	2.5	162	B5254T3					
					Chassis 400000→					**0 580 314 219**
V70										
	01.97 - 03.00	5	2.3	176	B5234T3			**0 580 453 420**		
			2.4	121	B5254S			**0 580 453 420**		
				142	B5254T			**0 580 453 420**		
	03.00 - 07.03	5	2.4	147	B5244T3		MTA			**0 580 314 033**
						08.02 - 07.03	KTA			**1 582 980 187**
	03.00 - 07.04	5	2.3	184	B5234T3		MTA			**0 580 314 033**
						08.02 - 07.04	KTA			**1 582 980 187**
	03.00 - 07.07	5	2.4	125	B5244S	08.02 - 07.04	KTA			**1 582 980 187**
						08.04 - 07.07	MTA			**0 580 314 122**
						08.05 - 07.06	KTA			**1 582 980 187**
						08.06 - 07.07	KTA			**1 582 980 187**

	03.03 - 07.07	5	2.5	220	B5254T4	08.06 - 07.07				**1 582 980 187**
	04.04 - 07.07	5	2.5	154	B5254T2		MTA			**0 580 314 033**
						04.04 - 07.04	KTA			**1 582 980 187**
						08.06 - 07.07	KTA			**1 582 980 187**
XC70										
	08.02 - 07.07	5	2.5	154	B5254T2	08.06 - 07.07	KTA			**1 582 980 187**
							MTA			**1 582 980 187**
	08.04 - 07.07	5	2.4	147	B5244T4	08.06 - 07.07	KTA			**1 582 980 187**
							MTA			**1 582 980 187**
XC90										
	03.05→	8	4.4	232	B8444S					**1 582 980 165**
	08.06→	6	3.2	175	B6324S					**1 582 980 165**
240 Series										
	03.75 - 10.80	4	2.1	90	B21E	08.79 - 10.80			**0 580 254 909**	
	01.81 - 07.84	4	2.3	91-103	B23E				**0 580 254 909**	
	01.85 - 02.86	4	2.3	95-96	B230E				**0 580 254 909**	
	03.86 - 07.88	4	2.3	85	B230F Kat.	04.86 - 07.88		**0 580 464 068**		
	08.88 - 12.91	4	2.3	84	B230F Kat.			**0 580 464 068**		
	08.92 - 07.93	4	2.3	100	B230F			**0 580 464 068**		
260 Series										
	02.81 - 07.84	6	2.8	114	B28E				**0 580 254 909**	
360										
	01.84 - 07.84	4	2.0	83-86	B19E				**0 580 464 069**	
	01.85 - 12.88	4	2.0	86	B200E				**0 580 464 069**	
740										
	08.84 - 07.89	4	2.3	130	B230ET				**0 580 464 069**	
	08.84 - 07.91	4	2.3	96	B230E	08.84 - 07.87		**0 580 254 935**		
						08.87 - 07.91			**0 580 254 909**	
				114-119	B230FT Kat.				**0 580 464 069**	
	08.84 - 07.92	4	2.3	85	B230F Kat.			**0 580 464 068**		
	04.88 - 07.90	4	2.3	111-117	B234F Kat.			**0 580 464 068**		
	08.89 - 07.91	4	2.3	114-119	B230FT Kat.				**0 580 464 069**	
760										
	02.83 - 12.85	6	2.8	115	B28E			**0 580 254 948**		
	01.86 - 04.86	6	2.8	100	B28F Kat.			**0 580 254 948**		
	05.86 - 11.90	6	2.8	105	B280F Kat.			**0 580 464 068**		
760 Turbo										
	01.84 - 07.84	4	2.3	127	B23ET				**0 580 464 069**	
	08.84 - 12.85	4	2.3	134	B230ET				**0 580 464 069**	
850										
	09.91 - 07.97	5	2.5	125	B5254S Kat.				**0 580 314 067**	
	09.92 - 07.97	5	2.5	103-106	B5252S Kat.				**0 580 314 067**	
	09.93 - 07.96	5	2.3	166	B5234FT Kat.				**0 580 314 067**	
	08.95 - 07.97	5	2.3	184	B5234T4 Kat.				**0 580 314 067**	
	09.95 - 07.97	5	2.5	125	B5254S Kat.				**0 580 314 067**	
	09.96 - 07.97	5	2.5	140-142	B5254T Kat.				**0 580 314 067**	
940										
	12.90 - 07.92	4	2.3	114	B234F Kat.			**0 580 464 068**		
	12.90 - 12.93	4	2.3	121	B230FT Kat.				**0 580 464 069**	
	06.91 - 07.95	4	2.3	96-99	B230F Kat.			**0 580 464 068**		
960										
	09.90 - 07.91	6	2.8	110	B280F Kat.			**0 580 464 068**		
	12.91 - 02.97	6	3.0	150	B6304FS Kat.	12.91 - 07.94		**0 580 464 068**		

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 →70..P..030 000	09.90 - 09.92			**0 580 453 012**
						Chassis 70..P..030 001→	10.92 - 06.03			**F 000 TE0 111**
	11.90 - 12.93	5	2.5	81	AAF					
						Chassis →70..P..030 000	11.90 - 09.92			**0 580 453 012**
						Chassis 70..P..030 001→	10.92 - 12.93			**F 000 TE0 111**
	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 →6N..WW001 000, →6N..WY000 157	10.96 - 07.97			**F 000 TE0 111**	
					Chassis 6N..W..001 001→, 6N..WY000 158→	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 →70..P..030 000	09.90 - 09.92			**0 580 453 012**	
					Chassis 70..P..030 001→	10.92 - 06.03			**F 000 TE0 111**	
	11.90 - 12.93	5	2.5	81	AAF					
					Chassis →70..P..030 000	11.90 - 09.92			**0 580 453 012**	
					Chassis 70..P..030 001→	10.92 - 12.93			**F 000 TE0 111**	
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

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