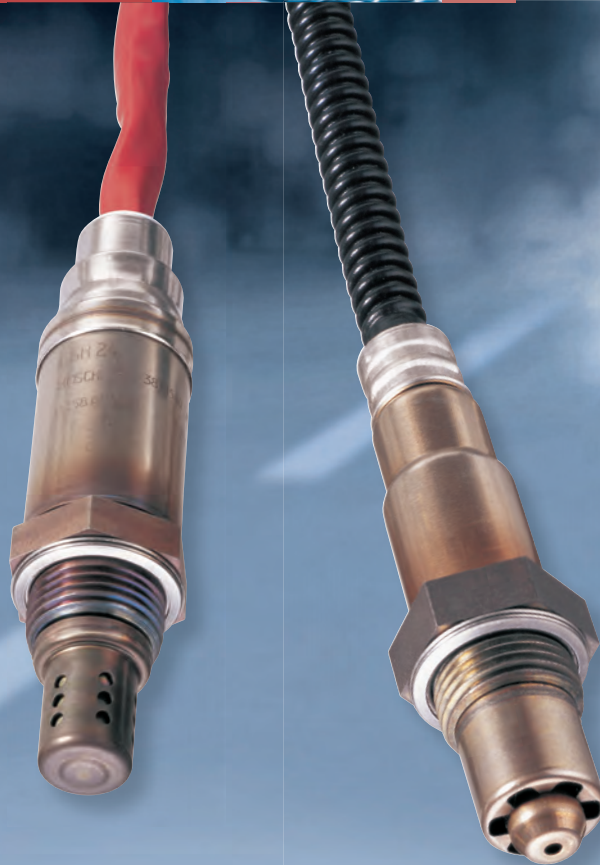


Direct Fit and Universal Applications
Includes Diesel Passenger Cars



Oxygen Sensors

2013 | 2014



BOSCH

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 endeavors 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.

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Oxygen Sensors

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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. The Bosch Service Network is 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 280,000 people worldwide.

Bosch employs over 1,000 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.



The Modern Oxygen Sensor



Bosch pioneered the invention of the oxygen sensor in the early 1970's drawing upon experience in the technology of high temperature ceramics developed from many years of spark plug development. The oxygen sensor's first vehicle application came in 1976 used on a K-Jetronic equipped Volvo 260 Series for the Californian market.

This was the start of one of the most widely used emission control devices in automotive history.

Since then, Bosch has produced over 500 million oxygen sensors worldwide, supplying the majority of global vehicle manufacturers. Currently Bosch produces approximately 40 million oxygen sensors per year in plants located in Germany and the USA.

As a major worldwide developer of automotive technology, Bosch has continually improved the design and function of engine management systems to optimise oxygen sensor functionality and constantly improve vehicle exhaust emissions whilst improving overall vehicle performance.

Evolution of the sensor over the years has resulted in many design improvements in both operation and replacement intervals. Starting as a simple single wire sensor, developments include the introduction of improved earth circuits, heating elements to stabilise sensor temperature and now "planar" design sensors delivering superior sensitivity and accuracy as well improved service life.



Vehicle emissions are a major factor in the design of new vehicles. Bosch research and development in the area of engine management system and product technology has seen the introduction of “Broadband” oxygen sensors, providing increased scope of operation of the oxygen sensor for control of mixture values outside of the normal control range. Recent years have seen many changes in the Australian vehicle market. In early 2006, stringent Euro III vehicle emission standards were implemented, further assisting in the reduction of harmful vehicle emissions and greenhouse gas emissions from motor vehicles. Due to this requirement, there is a significant increase in the amount of new vehicles utilising “Broadband” oxygen sensor technology as well as the implementation of Control (pre catalyst) and Diagnosis (post catalyst) oxygen sensor system configuration, resulting in an increase in the number of

oxygen sensors installed in the vehicle. The monitoring and function of the oxygen sensor is now more than ever a major influence in engine management system operation. More focus must be placed on the regular testing and replacement of faulty oxygen sensors to maintain optimal vehicle performance.

Diesel powered cars now make up approximately 20% of all new passenger vehicle sales. Many of these modern common rail diesel systems also utilise the latest design evolution of Bosch “Broadband” oxygen sensor, the LSU 4.9 series. These units provide fast accurate data to the engine management system, are able to withstand the different environmental conditions experienced with diesel applications as well as offering superior service life.

Oxygen Sensor Evolution



30,000 km
CHECK NOW !

60,000 km
CHECK NOW !

50,000 (~ 80,000) km
CHANGE NOW !

Function

Oxygen sensors measure the level of oxygen in the exhaust gas. This means that internal combustion engines can be regulated in such a way that the catalyst works optimally. Result: minimum levels of exhaust emission, optimum engine performance and up to 15% less fuel consumption.

Unheated oxygen sensors

The unheated oxygen sensor paved the way for the exhaust emission regulation of the future. They need a minimum working temperature of 360 °C and must therefore be installed in the direct proximity of the engine.

Replacement interval:
every 50,000 – 80,000 km



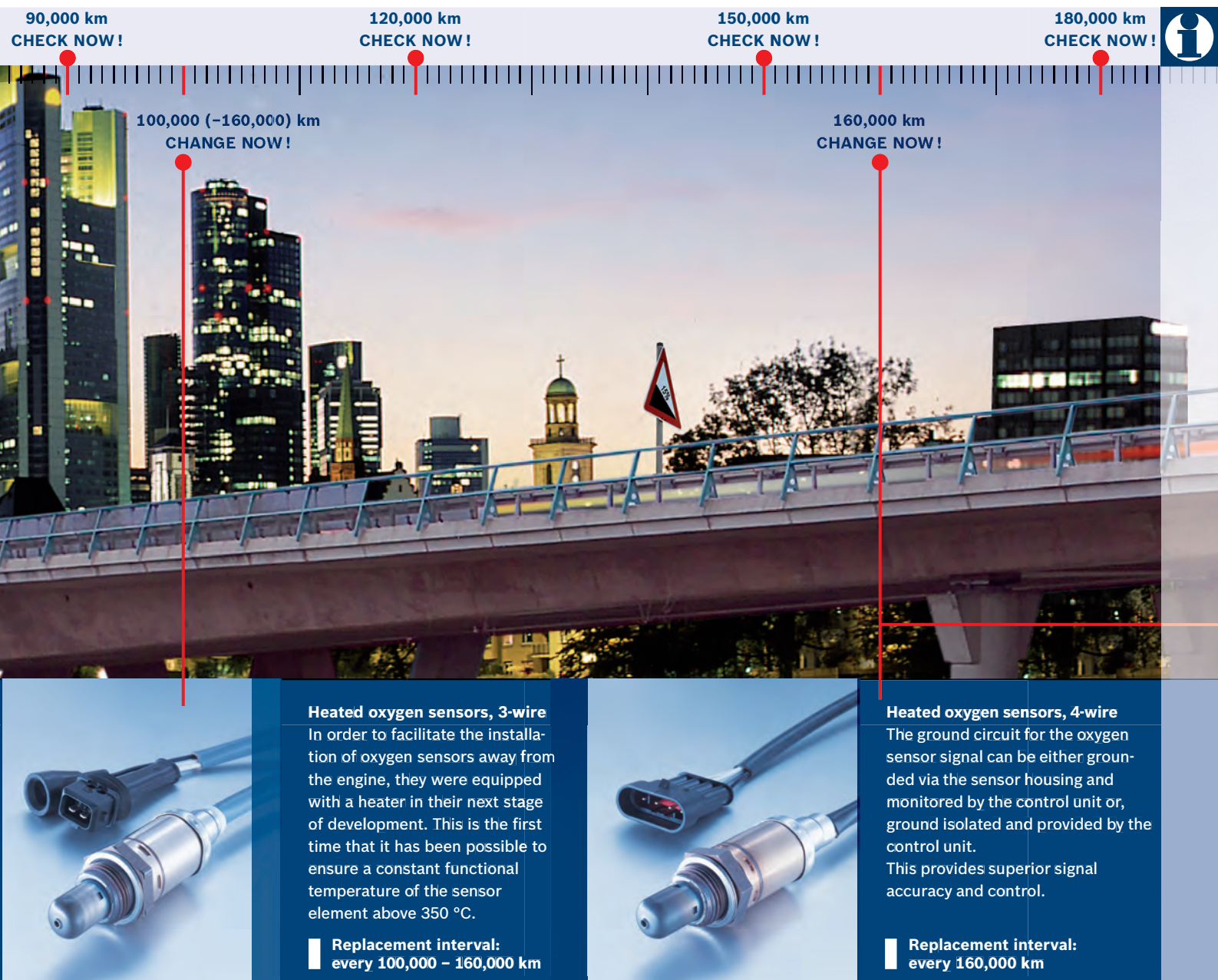
Exhaust emission standards are becoming stricter and stricter. It is therefore increasingly important to monitor the exhaust emissions closely and to adjust the engine control accordingly. This is exactly what an oxygen sensor does. There are around 11 million vehicles registered in Australia with a petrol engine, and an increasing number of these have more than one oxygen sensor. Oxygen sensors are now also being used more and more in diesel engine applications. This is one of the reasons behind an increase in the demand for oxygen sensors in the aftermarket.

As the inventor and leading manufacturer, Bosch paves the way when it comes to quality and product diversity. With over 35 years of experience and a total production output of over 500 million units, Bosch is the leading global player for original equipment and the aftermarket.

Only premium quality oxygen sensors

- ▶ save up to 15% in fuel costs.
- ▶ provide optimum control of exhaust emissions.
- ▶ prevent damage to the catalyst.

Always insist on Bosch quality oxygen sensors.



Bosch is the No.1 for oxygen sensors!

1976 saw the first OE application of the Bosch oxygen sensor. In 2006 we celebrated the 30th anniversary of oxygen sensor production.

Today

- ▶ Bosch is the largest producer in the world with a total of more than 500 million oxygen sensors.
- ▶ Bosch has the greatest level of manufacturing know-how with an output of 33 million sensors per year.
- ▶ Bosch is the driving force behind development with the innovations it is constantly creating.

- ▶ Bosch is the market leader in original equipment and aftermarket.
- ▶ All oxygen sensors delivered by Bosch meet original equipment quality standards.
- ▶ The Bosch product range is unique in its diversity.

All vehicle manufacturers throughout the globe place their trust in oxygen sensors from Bosch. Bosch oxygen sensors give you that decisive edge over the competition and allow you to offer your customers what they need – environmentally-friendly, fuel efficient and long-living spare parts.

Oxygen Sensor Evolution



Planar oxygen sensors

The planar oxygen sensors consist of several ceramic foils with a built-in heater. They reach their operating temperature twice as quickly as the previous oxygen sensors, and can thus halve emissions in the critical cold-start phase.

Replacement interval:
every 160,000 km



Planar broadband sensors

Unlike the previous sensors, the planar broadband sensors are fitted with two measuring cells and a 6-wire connector. They provide extremely accurate measurements across the entire operating range. Even diesel engines can be controlled using them.

Replacement interval:
every 160,000 km



Original or universal ? Bosch offers both.

With its wide range of original sensors for accurate solutions and the award-winning universal product range, Bosch can offer you the right sensor whatever your requirements.

The Bosch original product range:

- Original oxygen sensors always have the original connector.
- They can fit into the vehicle precisely with no need for further work (plug and play).
- The vehicle manufacturer's requirements are met 100 %.
- The Bosch original oxygen sensors cater for over 75 % of the vehicle population in Australia.



Universal oxygen sensors

Thanks to the support of the universal plug, a small number of universal oxygen sensors replace a large number of original sensors. Therefore the cable of the built-in sensor is cut at a suitable point. The universal plug is now connecting the universal sensor together with the end of the cable in the vehicle.

The Bosch universal product range:

- ▶ A small range of universal sensors are required to replace around 1,000 original oxygen sensors.
- ▶ The range of universal sensors cater for different sensor elements and heating powers.
- ▶ The benefits for you: low storage costs and very high availability rates.
- ▶ No special tools are required for installation.
- ▶ Universal oxygen sensors have one universal connector. It is patented, guarantees a secure, electrical contact and connects to the wiring harness in the vehicle without any problems. It can resist extreme vibration, temperature and moisture.
- ▶ A comprehensive installation manual is included with all universal sensors.

Product Technical Information

Bosch Oxygen Sensor Design Types



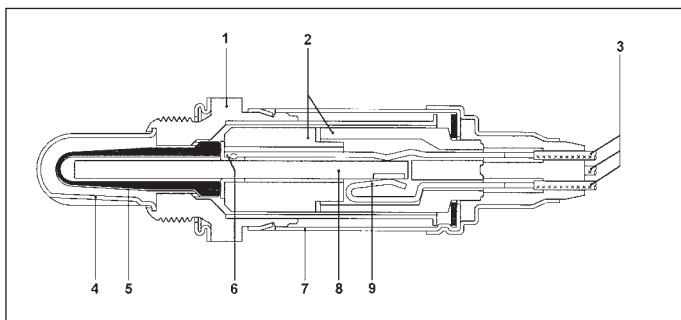
In the process of constant product improvement, Bosch has created many different oxygen sensor design types to meet the various requirements of our Original Equipment customers. As global emission legislation has become increasingly important in engine management system design, Bosch has produced oxygen sensors with higher accuracy, faster light off times and superior service life.

Thimble Type Sensors (Type Code LS, LSH, LSM 11)

So called due to the design of the ceramic sensor element used. These sensors can be constructed in various formats from simple single wire sensors to heated four wire sensors with either ground isolated or grounded cases. Using a patented "Platinum Grid" design thimble these sensors are manufactured in the following formats:

Single Wire Sensor - the original design, sensor output voltage via the single pole connector, grounded via the sensor body.

Two Wire Sensor - for improved earth reference of sensor output signal, a reference wire is also connected between control unit and sensor.



Typical Heated Sensor

- 1 = Sensor housing
- 2 = Ceramic support tube
- 3 = Electrical connections
- 4 = Protective tube with slots
- 5 = Active sensor ceramic
- 6 = Contact element
- 7 = Protective sleeve
- 8 = Heating element
- 9 = Clamp type connections for heating element

Three Wire Sensor - heated sensors provide various advantages including:

- ▶ Earlier cut-in for closed loop operation
- ▶ Lower emissions with new and aged sensors
- ▶ Lower sensor deterioration caused by thermal stress
- ▶ Extended service life (from ~ 50,000km to 80,000km +)
- ▶ More accurate fuel management system calibration
- ▶ Greater flexibility in sensor location

Bosch manufactures heated sensors with either 12 or 18 watt ratings for correct sensor operation during warm up and the complete vehicle drive cycle.

Note: Use of a sensor with an incorrect heating element rating will result in overheating of the sensor measuring element causing the thimble to fracture.

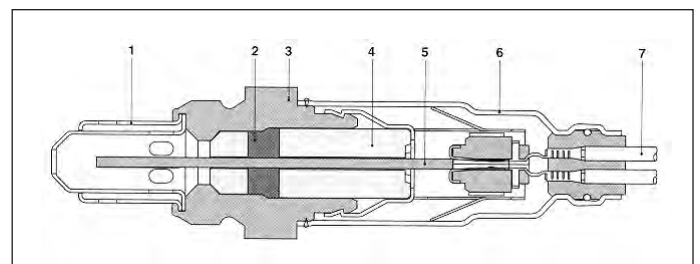
Four Wire Sensor - heated sensor with integrated earth reference/supply circuit, these sensors may be either grounded through the body or earth isolated depending upon engine management system design and customer requirement. Earth isolated sensors are provided with an earthing circuit for the measuring cell by the engine management control unit. The engine management control unit purely references the earth of a sensor that has its body grounded.

Note: mis-matching of body ground/isolated sensors can result in the signal earth being open circuit causing the sensor signal to not be recognised by the engine management control unit.

LSM 11 "Wideband" Sensor - where the standard sensors described above are "narrow band" or "two step" sensors that purely cycle when the lambda value of 1 is achieved, the LSM 11 sensor has a "wide band" operating characteristic. The LSM 11 sensor has a flatter operating curve than a standard sensor allowing it to measure lambda values of between ~ 0.80 and ~ 1.60.

Planar Type Sensors (Type Code LSF, LSU)

Improved designed sensor using "Planar" or thick film manufacturing technology. These are heated four wire sensors and whilst operating on the same principle as the thimble type sensors, the planar design provides a more effective heater design, more robust construction, faster switching time and superior service life.



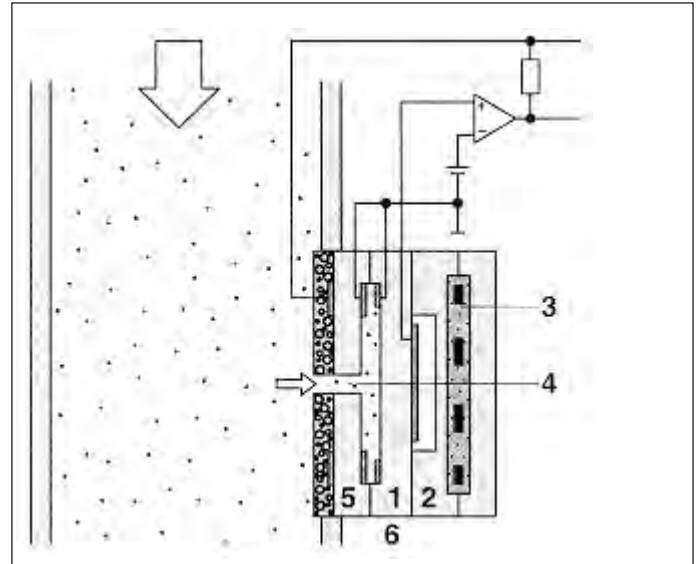
Planar Type Sensor

- 1 = Guard Tube
- 2 = Ceramic seal assembly
- 3 = Sensor housing
- 4 = Ceramic support tube
- 5 = Planar sensor element
- 6 = Protective cap
- 7 = Connection cable

LSU “Broadband” Universal Sensor - as its name suggests, the broadband oxygen sensor has the ability to not only indicate an air/fuel ratio of $\lambda = 1$ but can measure as low as $\lambda = 0.7$ up to infinity (infinity = atmosphere containing oxygen of ~ 21% by volume). This is a unique quality compared to the “two step” rich/lean function of a standard thimble or planar sensor.

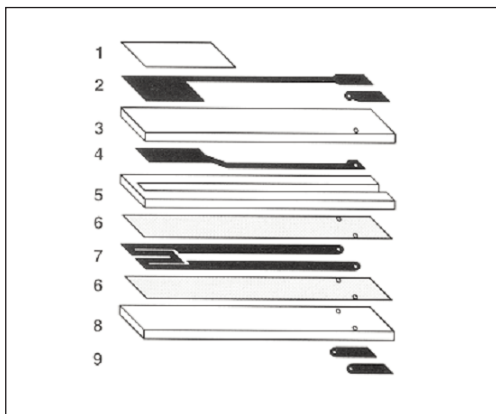
This LSU type sensor has not only been successfully applied to standard petrol engined passenger cars, but for lean-burn and gaseous fuelled engines. Due to their unique design these sensors are also used in diesel powered vehicles equipped with electronic diesel control (EDC) systems and industrial applications including gas powered furnaces, air/fuel ratio measuring equipment and engine/chassis dynamometers.

Broadband oxygen sensors can only be used in conjunction with a control unit that is specially designed to support the operational function and precise heater element management required by an LSU broadband sensor. It is important to note that a specifically designed wiring harness connector containing 6 pins is used for LSU type sensors. Whilst the physical appearance of the oxygen sensor connector will vary according to customer and vehicle design requirements, all LSU sensors have a calibration resistor built into the connector housing. Each individual LSU sensor is calibrated at the conclusion of the manufacturing process by laser altering this resistor value. Therefore removal or exchange of the oxygen sensor connector will render the sensor inoperable.



Cross Section of LSU Broadband Sensor

- 1 = Nernst cell
- 2 = Reference cell
- 3 = Heater
- 4 = Diffusion gap
- 5 = Pump cell
- 6 = Exhaust pipe



Planar Sensor Operational Layers

- 1 = Porous protective layer
- 2 = External electrode
- 3 = Sensor laminate
- 4 = Internal electrode
- 5 = Reference air laminate
- 6 = Insulation layer
- 7 = Heater
- 8 = Heater laminate
- 9 = Connection contacts

Oxygen Sensor Construction and Operation - Conventional design



The exhaust gas oxygen sensor, or “lambda sensor” as it may be referred to, is located prior to the catalytic converter in the exhaust manifold or pipe. The sensor generates a voltage for the engine management system related to the amount of excess oxygen in the exhaust gas, providing “feedback” of the mixture composition.

The engine management system is designed to provide optimal engine power, emissions and economy over the entire engine operating range and various driving conditions. The oxygen sensor allows the engine management system to directly reference the optimal emission air/fuel ratio of 14.7:1. It can also learn the engines requirements and apply a correctional air/fuel ratio other than 14.7:1, for example compensation for engine wear or engine sensor drift.

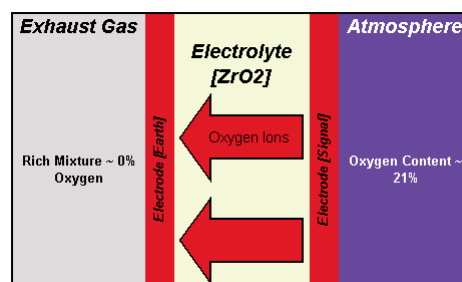
The oxygen sensor is a “galvanic cell”, a type of battery. The sensor contains two porous platinum electrodes with a ceramic electrolyte (Zirconium Dioxide) between them. The oxygen sensor generates a very small voltage, ranging from as little as 100mV (0.1 volts), up to a maximum of 900mV (0.9 volts) dependent upon exhaust gas oxygen level. The sensor references atmospheric oxygen, typically approximately 21%, to the varying amount of excess oxygen in the exhaust. The larger the differential in oxygen between the atmosphere and exhaust the higher the voltage output of the sensor. A rich mixture typically has 0% oxygen, whilst a lean mixture may have 3-4%. During normal engine operation the sensor voltage will oscillate between 100mV - 900mV as the mixture quickly swings between lean and rich. The system will average the sensor voltage to ~ 450mV which will result in the mixture ratio of 14.7:1.

Sensor operation can be summarised as follows -

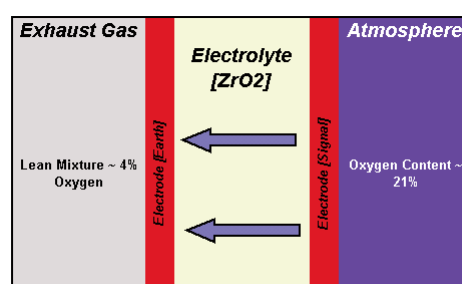
- ▶ The oxygen sensor allows the fuel management system to maintain the “Ideal” air/fuel ratio [14.7:1] or a lambda value of 1, across various engine operating conditions.
- ▶ The oxygen sensor compares the amount of oxygen in the exhaust gas against the amount of oxygen in the atmosphere. These differing amounts of oxygen will allow the sensor to produce a voltage output to the vehicles fuel management system.
- ▶ An oxygen sensor is actually a “galvanic cell” a type of battery. The sensor contains two Platinum electrodes with an electrolyte between them.
- ▶ Zirconium Dioxide (ZrO₂) is the electrolyte used.
- ▶ Oxygen sensor output voltage will range between 100 - 900mV. Rich mixtures [low oxygen] will produce high voltage, lean mixtures [excess oxygen] will produce low voltage.
- ▶ The amount of wires the oxygen sensor has is dependent upon fuel management and vehicle design criteria. Sensor variations are described in the section “oxygen sensor design types”. Refer to page A10.
- ▶ Oxygen sensors operate at a minimum temperature of ~ 360°C. The stability of sensor operating temperature is a function of the heater, as well as the physical position on the vehicle.

- ▶ All Bosch oxygen sensors feature the following -
 - ▶ Stainless steel wire - for resistance to corrosion and thermal stress.
 - ▶ Gold plated terminals - on signal and reference connector pins, giving superior contact for minute voltage/current signals.
 - ▶ Double laser welded sensor body to avoid moisture ingress to sensor element/heater.
 - ▶ Every sensor undergoes functional quality test at 1000°C.
 - ▶ Ceramic thimble is pressure tested to 420 bar to ensure integrity.
 - ▶ Every sensor measuring element undergoes “gas permeation” testing during manufacture.

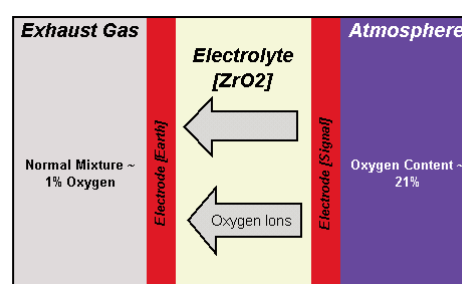
Rich Mixture - large difference between atmospheric and exhaust oxygen levels results in high conductivity between the electrodes. Hence voltage output is high ~ 900mV.



Lean Mixture - smaller difference between oxygen levels result in less conductivity and smaller voltage output, typically ~ 100 mV.



Normal Mixture - when mixture level is approximately 14.7:1, the output from the oxygen sensor will be ~ 450mV.



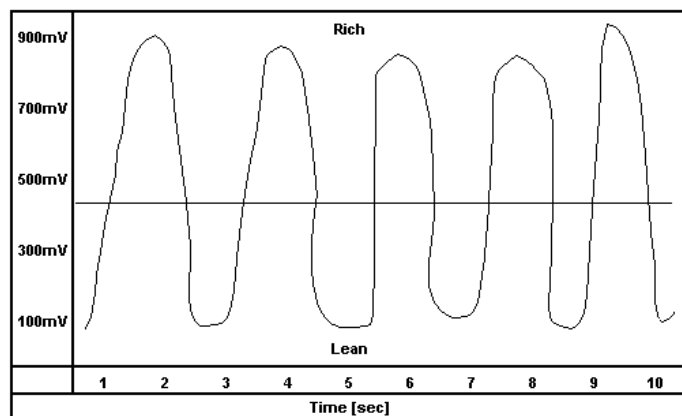


Fig. 1.

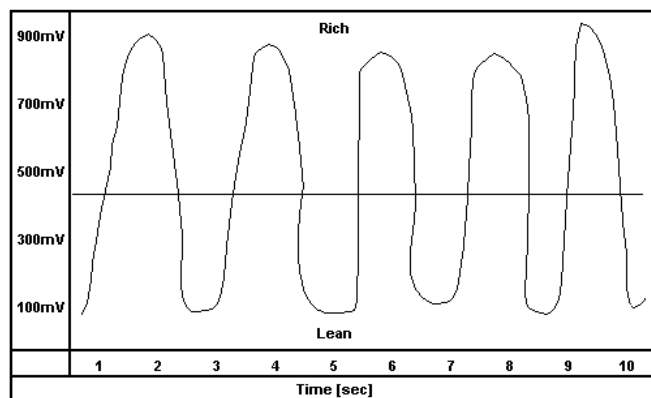
Oxygen Sensor Voltage Output

Normal Sensor - Voltage “cycles” between 100 & 900 mV as the ECU senses lean and rich and alternates the mixture accordingly. The average output from the oxygen sensor will be ~ 450mV. Refer to Fig. 1.



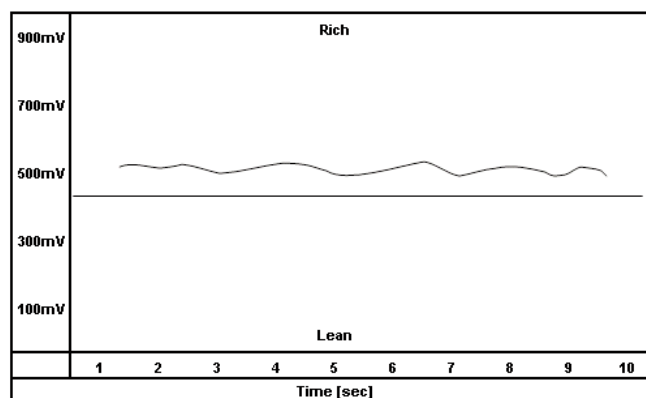
Oxygen Sensors - System Applications

Why are there sensors before and after the catalytic converter?



Pre Catalytic Converter

Fig. 1 - Control Sensor voltage output - typical



After Catalytic Converter

Fig. 2 - Diagnosis Sensor voltage output - typical

Since the introduction of ADR 37 in 1986 requiring all new passenger vehicles to operate on unleaded fuel in Australia, there has been constant improvement and evolution of engine management systems. This major change also saw the introduction and broad use of oxygen sensors and catalytic converters. Starting with fairly simple applications using one single wire sensor in the exhaust manifold, over the years multiple sensors for “V” configuration engines have been implemented providing more efficient air/fuel ratio control and diagnostic capabilities.

In recent years in Australia, there has been a rapid increase of vehicles using pre and post catalytic converter oxygen sensors. These are referred to in this catalogue as Control (pre catalyst) and Diagnosis (post catalyst) oxygen sensors. The requirement for controlling the combustion process is now only one of the functions of the engine management

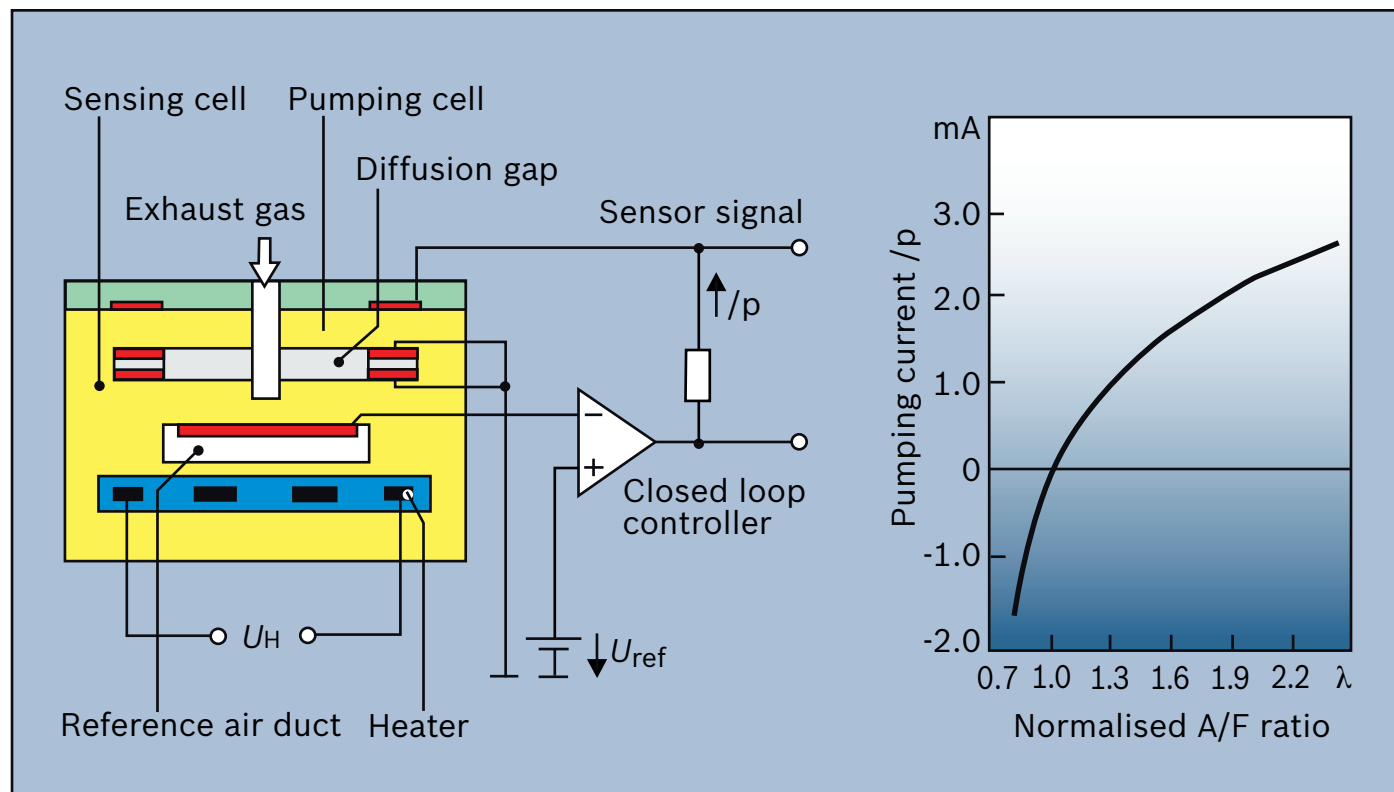
system. Modern systems also control and monitor the operation of the vehicle’s catalytic converter. With the fitment of sensors after the catalyst, the efficiency of the catalytic converter can now be evaluated and various engine control strategies can be employed to reduce harmful exhaust emissions throughout various driving and engine operating conditions.

Diagnosis Sensor Operating Characteristics.

Whilst the diagnosis sensor is often of the same design family as the conventional control sensor, sensor activity is quite different to what would be expected of a correctly operating pre-catalyst sensor. As shown in fig. 2, the output signal from the diagnosis sensor is generally a flat output signal of approximately 500mV, this is in contrast to the control sensor normal activity as shown in fig. 1.

Oxygen Sensor Construction and Operation

(Broadband Design LSU 4)



Whilst it is beyond the scope of this catalogue to fully explain the operating principle and system support requirements of the “Broadband” LSU series sensor, we can provide an overview of its basic design principle.

Essentially in order to allow an infinite range of air/fuel ratio values (only as low as Lambda 0.7), the LSU sensor has two basic elements. Firstly it consists of a standard “Nernst” oxygen ion measuring cell that would be found in any standard planar or thimble type oxygen sensor. In order to be able to effect a much extended measuring

range, an oxygen ion “pump” or pumping cell is also integrated into the sensor. This pump is controlled by a signal from the engine management ECU. The ECU will control the pump to maintain a constant signal from the conventional oxygen sensor cell, the amount of bias required to achieve this allows the ECU to determine how far rich or lean the mixture is from the emission optimal value of 14.7:1.

A comprehensive understanding of the operation of the LSU type oxygen sensor is essential for correct diagnosis.

What is Lambda?

Lambda is a mathematical calculation representing air/fuel ratio. The figure is derived by dividing the actual air/fuel ratio of the engine by the theoretically correct value [14.7:1].

Rich mixtures produce lambda values that are less than one, leaner mixtures are higher than one.

Lambda is a compromise between power [$\lambda < 1$] and economy [$\lambda > 1$] as shown on the diagram below.

Actual Air/Fuel Ratio equals 14.7:1
divided by
Theoretically Correct Air/Fuel Ratio [14.7:1]

$$\lambda = 1$$

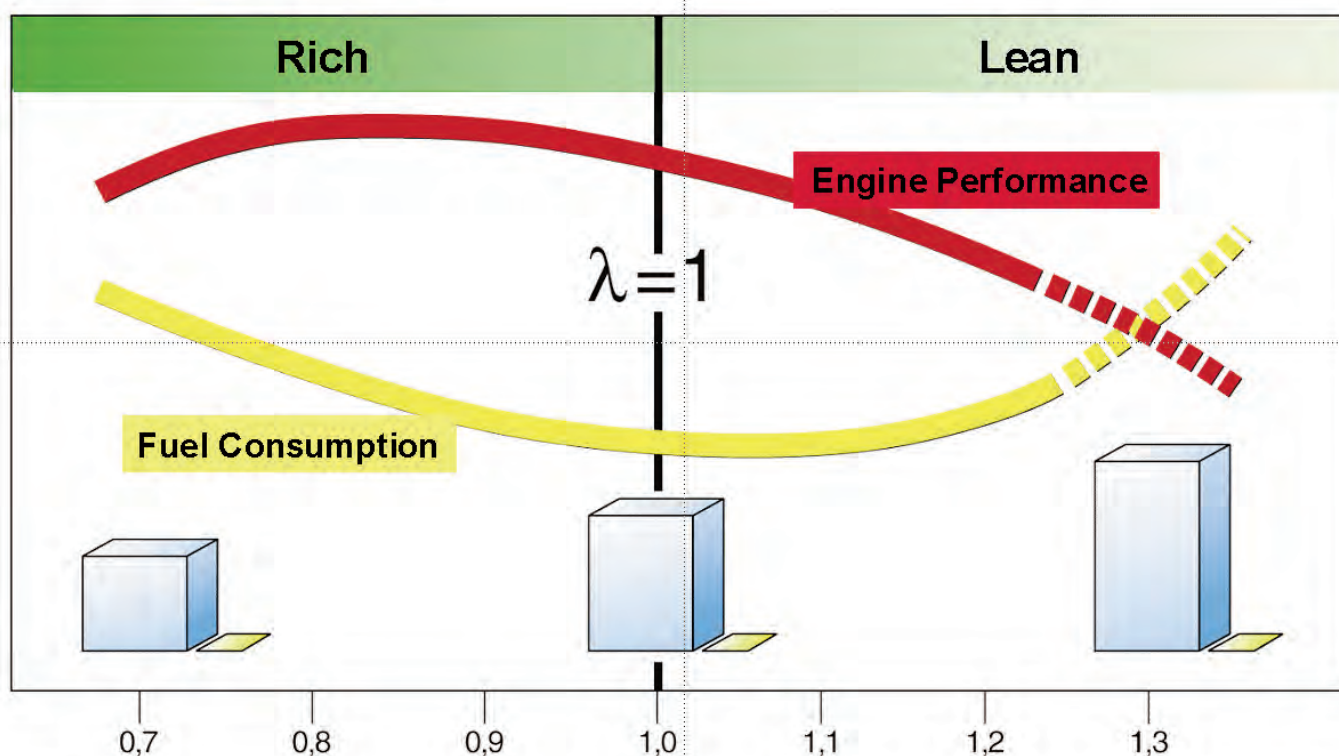
Actual Air/Fuel Ratio <14.7:1 (rich)
divided by
Theoretically Correct Air/Fuel Ratio [14.7:1]

$$\lambda = < 1$$

Actual Air/Fuel Ratio >14.7:1 (lean)
divided by
Theoretically Correct Air/Fuel Ratio [14.7:1]

$$\lambda = > 1$$

Fuel-Air Mixture Graph



Testing of Oxygen Sensors



Conventional Design (Incl. LSM11)

The information here is a simple guide only and does not replace any technical service procedures quoted by a vehicle manufacturer. Testing of the oxygen sensor should be made after all basic system checks have been carried out, including testing of the fuel system pressure and performing all minor service adjustments and checks as recommended by the vehicle manufacturer.

The oxygen sensor will only operate correctly once its temperature is above ~ 360°C, so the engine should be fully warmed up prior to testing.

Preferred method of testing is to utilise an automotive oscilloscope, however a good quality Digital Multimeter (DMM) with an analog bar graph function can indicate basic operation. Testing should be done in conjunction with a good quality gas analyser capable of lambda or air/fuel ratio measurement to accurately determine sensor calibration as well as function.

Hints on oxygen sensor wiring

- ▶ Single wire sensors are grounded through the housing. Make sure engine earth connections are secure and free from corrosion.
- ▶ Two wire sensors have a ground connection to the body of the sensor that goes back to the ECU for reference.
- ▶ Three wire sensors have an integrated heater element. These heaters are not polarity sensitive and in most cases are the two white wires in the sensor connector.
- ▶ Four wire sensors have an integrated heater as well as ground reference wire. In most cases the heater wires will be white (or at least the same colour) the signal wire is black and the ground reference will be grey.
- ▶ If wiring colour is difficult to determine and vehicle wiring details are not available, try the following procedure. Disconnect the oxygen sensor and switch the ignition on, check for the following at the vehicle wiring harness connector –
 - ▶ Pin with battery voltage present – this will be the heater voltage supply.
 - ▶ Pin with ~ 0.5 volt present – this will be the sensor signal wire.
 - ▶ Pin with minimal resistance to vehicle ground – will likely be the heater ground.
 - ▶ Pin with higher resistance to vehicle ground – likely to be ECU ground reference.



Simplified Test Procedure (Digital Multimeter)

1. Locate the oxygen sensor and determine the wiring layout. On heated sensors check for heater element continuity, adequate 12 volt supply to heater and correct ground when the engine is running.
Note - Many late model vehicles have the ground circuit of the oxygen sensor heating element controlled by the engine management ECU for sensor temperature control purposes. Do not supply direct voltage or external ground to these circuits.
2. With engine speed at ~ 2000 RPM the sensor voltage should be seen to cycle smoothly between 100 – 900 mV (0.1 – 0.9 Volts) approximately eight times every ten seconds, as shown in Fig. 1.
3. A contaminated or tired sensor will be slow to cycle between the sensor voltage limits and may not generate the full potential of 900 mV. It may also be noticed that the lean swing may drop to zero voltage, as shown in Fig. 2.

Testing of Oxygen Sensors

Simplified Test Procedure (Oscilloscope)

1. Locate the oxygen sensor and determine the wiring layout, see "hints on sensor wiring" (refer to page A16) if unsure. On heated sensors check for heater element continuity, adequate voltage supply to heater and correct ground when the engine is running.
Note - Many late model vehicles have the ground circuit of the oxygen sensor heating element controlled by the engine management ECU for sensor temperature control purposes. Do not supply direct voltage or external ground to these circuits.
2. Connect the oscilloscope between the sensor signal wire and sensor ground, always back probe the signal wire to avoid damage to the harness. With engine speed at ~ 2000 RPM the sensor voltage should be seen to cycle smoothly on the oscilloscope display between 100 – 900 mV (0.1 – 0.9 Volts) approximately eight times every ten seconds, as shown in Fig. 1.
3. A contaminated or tired sensor will be slow to cycle between the sensor voltage limits and may not generate the full potential of 900 mV. It may also be noticed that the lean swing may drop to zero voltage, as shown in Fig. 2.

Remember! – The oxygen sensor is a battery, a sensor that generates 900 mV constantly is generally not faulty. Faulty sensors, like a failing battery, will be slow to cycle between the control limits and be generally slower to react to mixture changes.

Good Sensor

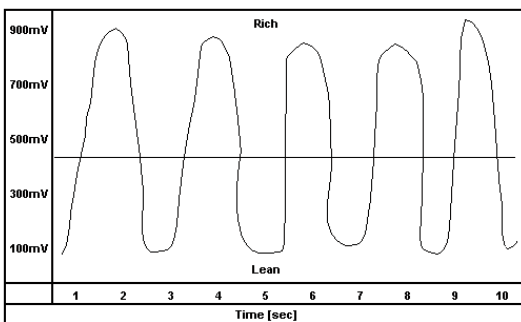


Fig. 1.

Faulty Sensor

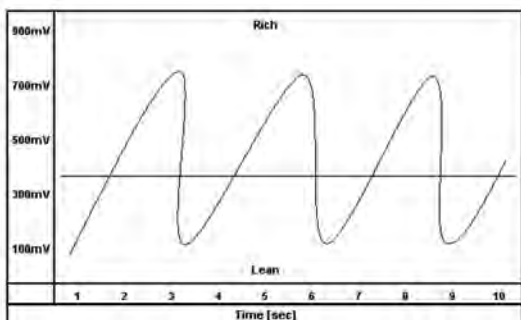


Fig. 2.

The oscilloscope provides a quick and easy method of testing the oxygen sensor output with the added advantage of a visual indication.

Bosch recommends that oxygen sensors are tested and replaced as a part of a regular vehicle maintenance schedule.

Replacement of a faulty oxygen sensor will not only restore vehicle performance but improve fuel economy and reduce harmful exhaust emissions.

Troubleshooting Tips

- ▶ Always use the sensor ground when testing oxygen sensor output. This is particularly important on four wire sensors where the ECU provides the ground as some late model vehicles utilise a "virtual ground". This means the ground potential is at a voltage level above chassis ground, sometimes as much as 2.5 volts.
- ▶ If sensor voltage is stuck at 900 mV constantly, check the sensor earthing points. This will generally be a small wire attached to the engine block, cylinder head or manifold. It is common for these wires to be left off or loose after major engine repairs such as head gasket replacement and/or engine removal as well as crash repairs.
- ▶ Always check oxygen sensor activity against vehicle exhaust gas readings. Many adaptive engine management systems can compensate to a large degree for a faulty oxygen sensor by changing internal fuelling maps. A sensor cycling perfectly may be indicating a lambda value of 1, however the gas analyser may show an over rich condition, this is typical of a tired sensor.
- ▶ On vehicles fitted with multiple sensors (ie V6 & V8 engines with sensors in both manifolds) it is always recommended to replace sensors in pairs. This avoids issues with the fuelling maps within the engine management system.

Testing of Oxygen Sensors



Broadband Design [LSU4]

Testing of LSU type broadband sensors should be done in conjunction with the vehicles diagnostic system. Engine management systems using broadband oxygen sensors have a vast array of integrated diagnostic and analytical software to determine the accuracy and performance of the LSU 4 type sensor. Physical checks of the sensor with either an oscilloscope or multimeter will reveal little in relation to the sensors operation without specialist knowledge.

It should be noted that apart from monitoring the sensor output related to exhaust gas oxygen levels, the ECU also controls sensor temperature via a sophisticated closed loop control circuit. The physical measuring of this circuit will only prove the ECU control circuit is functioning; it is not possible to determine sensor temperature values or other heater control strategies.

Bosch recommends that the oxygen sensor is tested and replaced as a part of a regular vehicle maintenance schedule. Suggested replacement intervals for oxygen sensors are listed in the vehicle application section of this catalogue.

Correct testing procedures are essential for accurate diagnosis of the oxygen sensor, particularly when dealing with modern LSU type sensors.

Replacement of a faulty oxygen sensor will restore vehicle performance, improve fuel economy and reduce harmful exhaust emissions.

Important Note:

- Do not cut original wiring on the sensor.
- Do not solder connections.

The sensor wiring allows reference oxygen to flow in the wiring strands, soldering or cutting and joining wiring impedes this flow.

Universal sensors use special joiners for this purpose.



Causes and Effects of Oxygen Sensor Failure

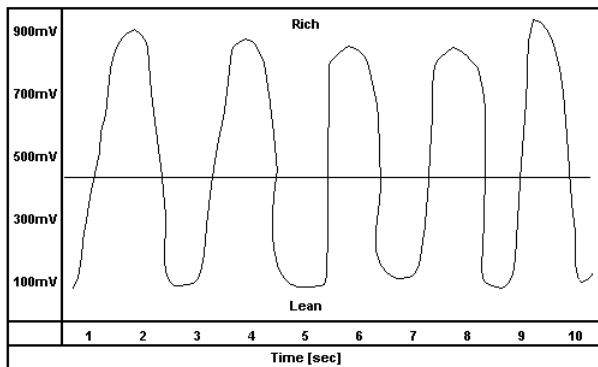
Whilst there are many factors that will contribute to accelerated oxygen sensor failure, it should be remembered that an oxygen sensor is a wearing part with a specific service life not unlike a platinum spark plug.

The oxygen sensor should have a service life ranging from 50,000 Km - 160,000 Km dependant on sensor design, however this can be dramatically reduced by various conditions including overheating of the sensor, chemical poisoning and impact damage.

Excluding physical damage, the majority of these conditions will result in the failure of the ceramic thimble by affecting its porous nature. This will result in a sensor that is slow to react to mixture change as shown below. A slow sensor will tend to make the air / fuel ratio of the vehicle drift rich.

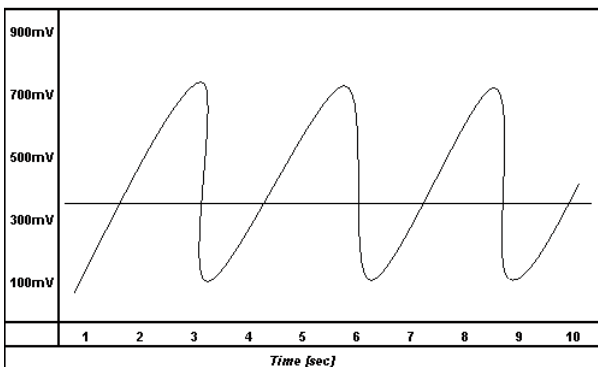
Sensor Voltage Output

Normal Sensor - Voltage “cycles” between 100 & 900 mV. The average output from the oxygen sensor will be ~ 450mV.



Slow, Contaminated or “Tired” Sensor

Voltage slowly builds up and then rapidly drops off. The effect is that the average will drop causing a rich condition.



Important Facts About Oxygen Sensors

- ▶ Oxygen sensor life spans will vary between vehicle and sensor designs, and are effected by many factors including fuel quality and vehicle operational characteristics.
- ▶ Oxygen sensors should be checked and/or replaced at -
50,000 km for single and two wire sensors.
80,000 km for three or four wire heated sensors.
160,000 km for planar type sensors
- ▶ Oxygen sensors can be contaminated in many ways including -
Lead fouling from incorrect fuel.
Severe carbon/oil fouling from engine/emission control defects.
Contamination from silicon products.
- ▶ Thermal stress damage (fracturing of the ceramic thimble) from excessive water in the exhaust, ie- blown head gasket.
- ▶ Contamination of the oxygen sensor basically results in the coating of the platinum electrodes and therefore insulates them.
NOTE - oxygen sensors cannot be cleaned!!
- ▶ Oxygen sensors will die of “old age”, they are a wearing service part like a platinum spark plug.
- ▶ As the oxygen sensor deteriorates over time, or is contaminated, the output from the sensor slows down. This causes the average that the fuel management system calculates to reduce.
- ▶ The lower average gives the impression that the engine is lean and the fuel management system overcompensates to rich.
- ▶ Due to the fact that the engine will operate in a rich condition at all times, fuel consumption is naturally higher.



Universal Oxygen Sensor Program Overview



To further complement and enhance our Oxygen Sensor program, a “Universal” range of oxygen sensors is now offered by Bosch. Drawing from many years of engineering experience as an OE supplier and global manufacturer of oxygen sensors, a consolidated range of universal sensors are available that fully comply to the technical specifications of the original sensor fitted to the vehicle. Bosch Universal Oxygen Sensors are correctly OE matched by our engineering and development teams to ensure they meet or exceed the original design standard. All sensors are designed and built to the latest OE design types ensuring renowned Bosch quality, and complete confidence in application.

All sensors feature stainless steel wiring, double laser welded body and latest design protection tubes. Connection is easy and reliable as all Bosch 3 & 4 wire universal sensors are supplied with a patented “Posi-Lock” weather-tight connector.

The Bosch Universal Oxygen Sensor program consists of the following range of sensors,

Single Wire Sensors

0 258 986 501 – Standard single wire sensor with “bullet” style connection.

0 258 002 031 – Single wire sensor with “bullet” style connection, supplied with removable “flange” type mounting (54 mm pitch).

Two Wire Sensor

0 258 002 210 – Two wire sensor with “bullet” style connections, supplied with removable “flange” type mounting (54 mm pitch). Sensor can be used without mounting flange.

F 00H L00 091 – Two wire sensor with “bullet” style connections and special protection tube.



**Three Wire Sensors**

- 0 258 005 726 – Three wire sensor with 12 watt heater and grounded case and special 3 slot protection tube.
- 0 258 986 502 – Three wire sensor with 12 watt heater and grounded case.
- 0 258 986 504 – Three wire sensor with 18 watt heater and grounded case.

Four Wire Sensors

- 0 258 005 728 – Four wire sensor with 12 watt heater, grounded case, “flange” type mounting. And special protection tube.
- 0 258 005 729 – Four wire sensor with 12 watt heater, isolated ground, 3 slot protection tube.
- 0 258 005 732 – Four wire sensor with 12 watt heater, grounded case and special protection tube.
- 0 258 986 503 – Four wire sensor with 18 watt heater and grounded case.
- 0 258 986 505 – Four wire sensor with 18 watt heater and ground isolated case.
- 0 258 986 506 – Four wire sensor with 12 watt heater and grounded case.
- 0 258 986 507 – Four wire sensor with 12 watt heater and ground isolated case.
- 0 258 986 602 – Four wire “Planar” construction sensor, 7 watt heater, isolated ground.
- 0 258 986 615 – Four wire “Planar” construction sensor, 7 watt heater, isolated ground and special protection tube.
- 0 258 986 617 – Four wire “Planar” construction sensor with “flange” type mounting, isolated ground and special protection tube.



Universal Oxygen Sensor Installation Instructions



Step 1

Installation must only be carried out by trained personnel

Please read these instructions carefully before removing the Oxygen sensor from your vehicle

Tools required

Removal tool for Oxygen Sensors or a 22mm open ended spanner
Side cutter
Cable stripper
Measuring tape



Step 2

Equipment supplied with the Bosch Universal Oxygen Sensor

1 Bosch universal Oxygen Sensor
1 Posi-lock connector
4 Grey cable connectors
8 Yellow cable seals
2 Cable fasteners

Important preliminary instructions

Make a note of how the cable of your vehicle's Oxygen Sensor is laid. The cable of the Universal Oxygen Sensor must be attached in the same way.



Step 3

After removing the Oxygen Sensor, take care not to cut the cable too short. Part of this cable will be required as an extension for the Universal Oxygen Sensor to keep it in a strain free state during installation

Important: Under no circumstances, must the cable be soldered!



Step 4

The maximum torque of 50 Nm must not be exceeded when screwing in the Oxygen Sensor.

Installing the Sensor (see illustrations)

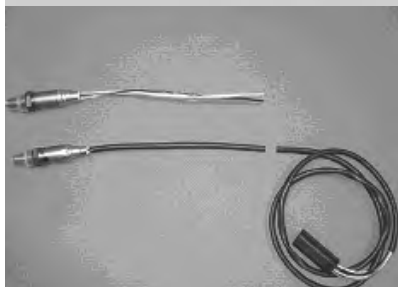
Step 1

Remove the Oxygen Sensor from the exhaust system of your vehicle. Take care not to damage the cable fixtures as they will be used again later.

Step 2

After removing the Oxygen Sensor, measure the length of the cable from the hexagon to the end of the plug (fig. 2). If any special fixtures are attached to the cable, proceed to step 3. If there are no special fixtures on the cable and if

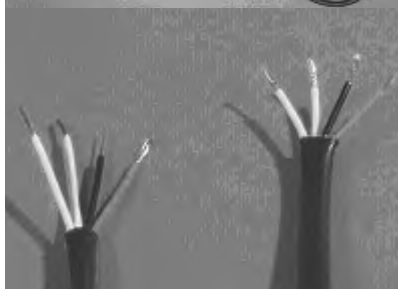
- a) the cable is shorter than 75 cm, proceed to step 4
- b) the cable is longer than 75 cm, proceed to step 5



Step 5

Step 3 (cable with fixtures)

Cut through the cable of the original Sensor at least 13 cm and no more than 60 cm from cable outlet on the Sensor. Leave all cable fixtures on the original cable.



Step 6

Place the Universal Oxygen Sensor beside the original Sensor. Shorten the cable of the Universal Oxygen Sensor until it is the same length as the cable of the original sensor.

Proceed to step 6

Step 4 (cable shorter than 75 cm)

Cut the cable of the original Sensor in two around 10 cm from the connecting plug. Place the Universal Oxygen Sensor beside the original. Shorten the cable of the Universal Oxygen Sensor until it is the same length as the cable of the original sensor.

Proceed to step 6

Step 5 (cable longer than 75 cm)

Place the Universal Oxygen Sensor beside the original Sensor. Cut the cable of the original sensor in two until it is as long as the cable from the Universal Oxygen Sensor (fig. 5) Remove the cable fastener on the Universal Oxygen Sensor. - Proceed to step 6

Step 6

Using installation pliers, remove approx. 1 cm (important!) of the cable insulation (fig. 6) from all cable ends, taking care not to damage any wires.

Step 7

Cable colour allocations for the Universal Oxygen Sensor are as follows, sensor output signal wire = black, sensor heater element cables = White (Note - heater is not polarity sensitive) Sensor signal ground (where used) = Grey

Important: The cable allocations must be assigned correctly. Otherwise the Sensor could be destroyed. Put the large plug housing over the cable from the Universal Oxygen Sensor and the small plug cover over the cable from the original Oxygen Sensor (fig. 7).

Step 8

Put the yellow seals over each cable end in such a way that the narrow end of the seals points to the rear of the plug housing (fig. 8)

Step 9

Insert the insulated cable ends from the Universal Oxygen Sensor into the grey cable connectors. Screw the centre pieces of the cable connectors together (fig. 9) ensure the leads are fitted tightly inside the cable connectors.

Step 10

Connect the Sensor to the cable harness in the vehicle (fig. 10) Check again that the cables are correctly assigned as in step 7 above

Note: Cables must not be knotted. Pull the cable connections into the plug housing. Check that the tension is correct.

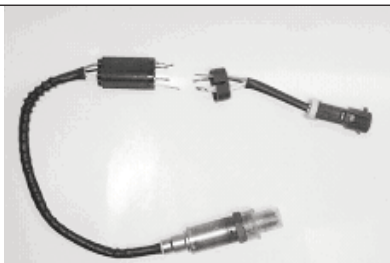
Step 11

Insert the cable connectors into the plug housing. Press the plug cover onto the plug housing until it can be heard locking in place. (fig. 11)

Step 12

Install the Universal Oxygen Sensor into the vehicle (fig 12). Secure the cable so that it is safe from extreme heat and scuffing. Use the cable fixtures from the original Sensor. If necessary, use the cable fasteners so that the plug housing is free from strain and does not vibrate. This ensures that the cable will not wear when the engine is in motion.

Step 7



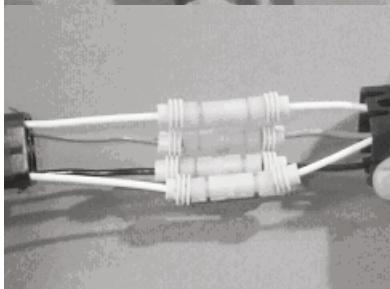
Step 8



Step 9



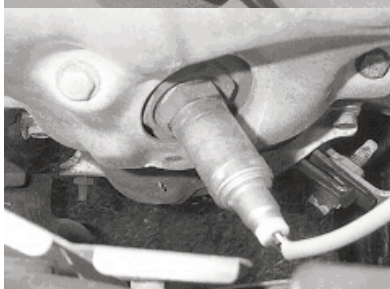
Step 10



Step 11



Step 12



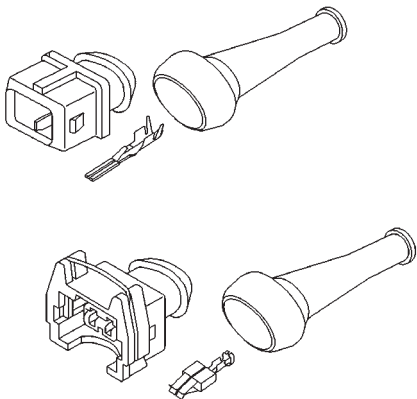
Wiring Harness Repair Components



Connector Plug Kits

The following kits include connector plug, full set of terminals and high temperature silicon rubber boot.

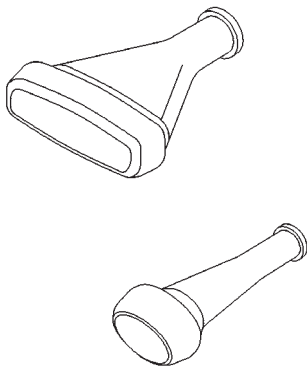
Description	Part Number
2 Pin Male kit	1 287 013 002
2 Pin Female kit	1 287 013 003
3 Pin Male Kit	1 287 013 901
3 Pin Female Kit	1 237 000 039
4 Pin Female Kit	1 287 013 900
6 Pin Female Kit	D 261 205 138
	[suitable for LSU 4 sensor part #
	0 258 006 065 / 066]



Protective Rubber Boots

High temperature silicon protective boots to stop water ingress and moisture entering connections

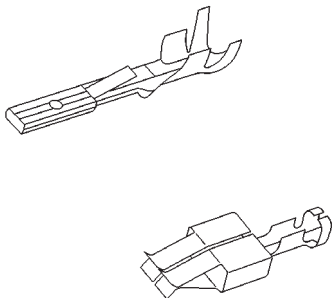
Description	Part Number
Boot for 2 pin housings	1 280 703 026
Boot for 3 pin housings	1 280 703 022
Boot for 4 pin housings	1 280 703 023
Boot for 5 pin housings	1 280 703 024



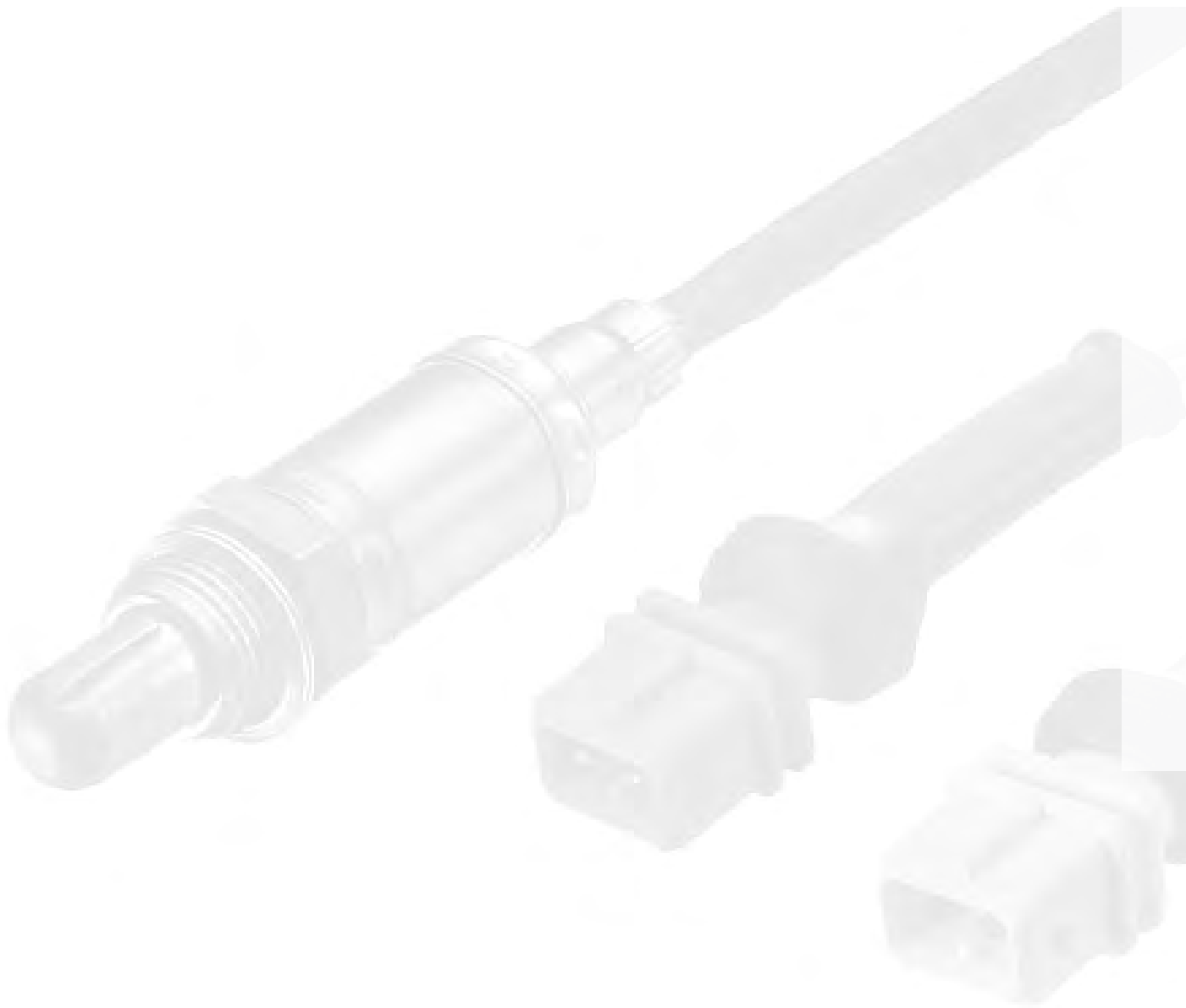
Electrical Terminals

High quality zinc plated contact terminals for wiring harness repair

Description	Part Number
Standard male terminal	1 234 477 014
[cable size 0.5 - 1.0mm]	
Standard Female Terminal	1 284 477 121
[cable size 0.5 - 1.0mm]	



Motorsport and Industrial Applications



Product Usage 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.
- ▶ Modifications 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.

Bosch does not warrant the performance of its components when used outside their specified or normal operating range purpose and/or environmental conditions

- ▶ 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.

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

Oxygen Sensor Type Code LSM 11

“Lean” Sensor

Overview

The oxygen sensor type LSM 11 is a thimble construction, zirconium dioxide sensor with integrated heater element. This sensor is a galvanic concentration cell with solid electrolyte permitting measurement of oxygen concentration in exhaust gas. These sensors have an output signal that is both stable and insensitive to interference, as well as being suitable for extreme operating conditions. Sensor output ranges from $\lambda = 1.00 < > 2.00$, in certain applications. This sensor has various application possibilities including;

Combustion Processes

Oil burners
Gas burners
Coal-fired systems
Wood-fired systems
Industrial furnaces

Engine Management Systems

Lean-burn engines
Gas engines

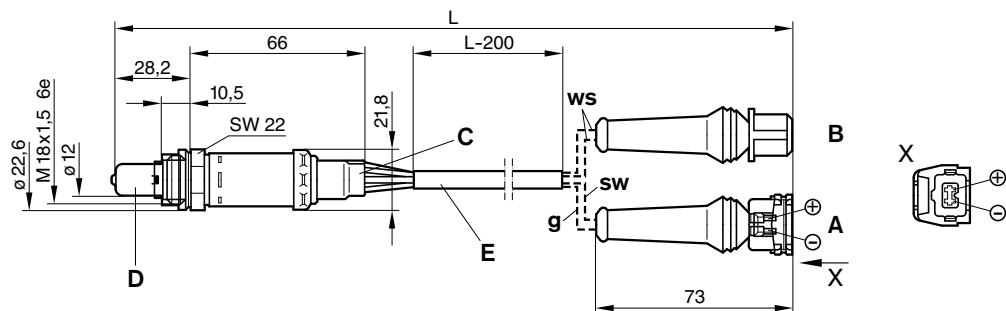
Measuring & Analysis Processes

Smoke measurement
Gas analysis (In conjunction with Air / Fuel ratio meter)



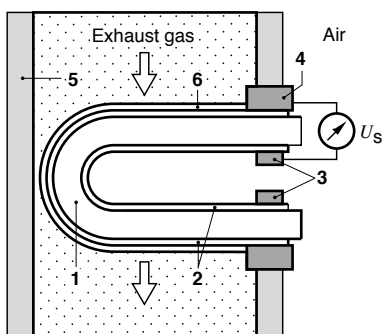
Dimension drawing.

A Signal voltage, **B** Heater voltage, **C** Cable sleeve and seals, **D** Protective tube, **E** Protective sleeve, **L** Overall length. **ws** White, **sw** Black, **g** Grey.

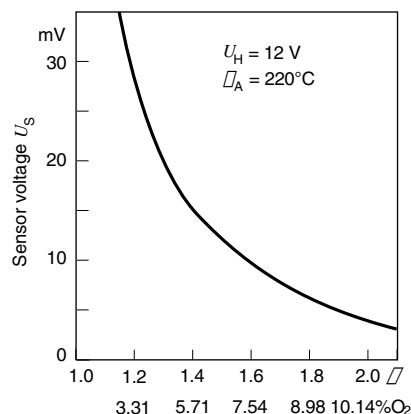


Lambda sensor in exhaust pipe (principle).

1 Sensor ceramic, **2** Electrodes, **3** Contact, **4** Housing contact, **5** Exhaust pipe, **6** Ceramic protective coating (porous).

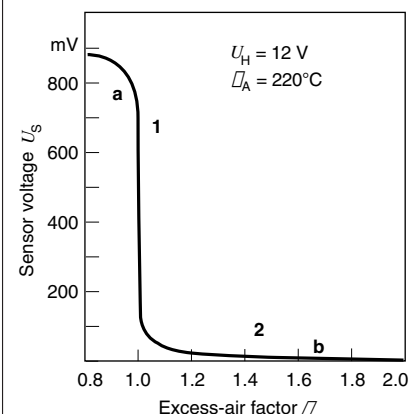


Characteristic curve: Propane gas (lean range).



Characteristic curve: Complete range.

1 Closed-loop control $\lambda = 1$; **2** Lean control
a Rich A/F mixture, **b** Lean A/F mixture

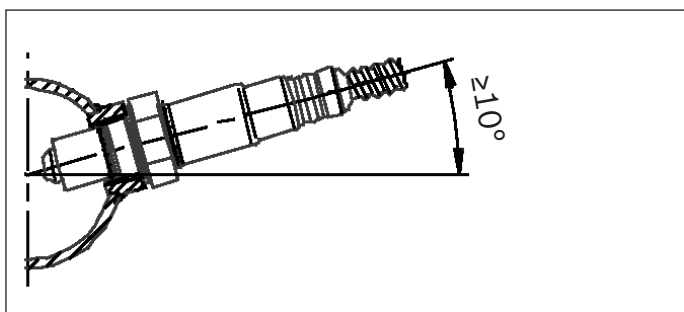




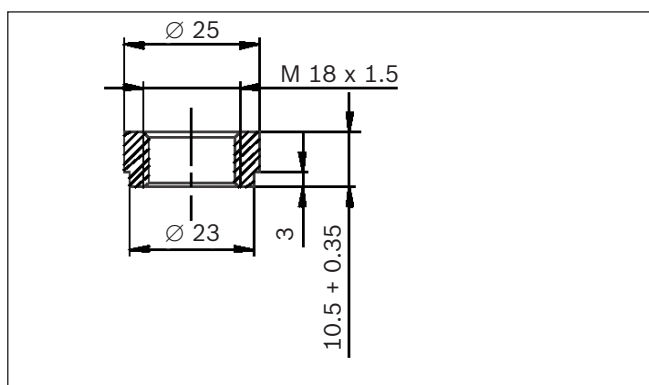
General Installation Instructions and Requirements

In general, the sensor installation point must be tested sufficiently by the customer for function and durability.

- ▶ Installation in the exhaust line must be at a point guaranteeing representative exhaust gas composition whilst also satisfying the specified temperature limits.
- ▶ The sensor installation location must be selected to minimise exhaust side stressing with condensation water in order to prevent ceramic element cracking.
- ▶ Locate the sensor as close to the engine as possible, respecting maximum allowed temperature range.
- ▶ The exhaust pipe in front of the sensor should not contain any pockets, projections, protrusions, edges, flex-tubes etc. to avoid accumulation of condensation water. A downward slope of the pipe is recommended.
- ▶ Make sure, that the front hole of the double protection tube does not point against exhaust gas stream.
- ▶ Never switch on the sensor heater before engine start.
- ▶ Installation angle should be inclined at least 10 degrees towards horizontal (electrical connection upwards). Thus preventing the collection of liquids between sensor housing and sensor element during the cold start phase. Other installation angles must be inspected and tested individually.



- ▶ As the sensor receives reference air through the connection cable, the use of cleaning/greasing fluids at the sensor plug connection is not permitted.
- ▶ Assembly with special high temperature resistant grease on the screw-in thread is recommended.
- ▶ Tightening torque = 40 – 60 Nm, material characteristics and strength must be appropriate.
- ▶ Recommended material for the thread boss in the exhaust pipe: Temperature resistant stainless steel to following standards; DIN 17440 1.4301 or 1.4303, SAE 30304 or 30305 (US). Thread boss dimensions should be as in sketch, note that sensor thread must be covered complete.
- ▶ The sensor must be covered when underseal (wax, tar etc.) or spray oil is applied to the vehicle.
- ▶ The sensor must not be exposed to strong mechanical shocks (e.g. while the sensor is installed). Otherwise the sensor element may crack without visible damage at the sensor housing.



- ▶ Underfloor installation of the sensor remote from the engine requires an additional check of the following points; positioning of the sensor with respect to stone impact hazard; positioning and fixing of cable and connector with respect to mechanical damage, cable bending stress and thermal stress.
- ▶ The sensor should not be exposed to continuous, one-sided dripping of water, e.g. by the air-conditioning condensation water outlet. The thermal stress could lead to mechanical damage of the sensor.
- ▶ The sensor cable must not be soldered. It must only be crimped, clamped or secured by screws.

LSM 11 Technical Data & Specifications



General

Sensor Part Number	
with 2500mm cable length	0 258 104 002
with 650mm cable length	0 258 104 004
Electrical connection	2 x 2 pole connectors
Connector part numbers	
for heater element	1 287 013 003
for sensor output	1 287 013 002
Mounting thread size	M18 x 1.5mm
Sensor hexagon size	SW 22

Application Conditions

Temperature range, passive (storage temperature)	-40...+ 100° C
Sustained exhaust gas temperature with heating switched on	+ 150...+ 600° C
Permissible maximum exhaust gas temperature at sensor element with heating switched on	+ 800° C
Operating temperature	
of the sensor housing hexagon	< + 500° C
at the cable gland	< + 200° C
at the connection cable	< + 150° C
at the connector	< + 120° C
Temperature gradient at the sensor-ceramic front end	< + 100 K/s
Temperature gradient at the sensor-housing hexagon	< + 150 K/s
Load current, maximum	+/- 1 uA

Heater Element

Nominal supply voltage (preferably AC)	12 V
Operating voltage	12...13 V
Nominal heating power for exhaust gas = 350° C & exhaust gas flow speed of ~ 0.7 m/sec at 12 V heater voltage in steady state	~16 W
Heater current at 12 V steady state	~ 1.25 A
Insulation resistance between heater and sensor connection	> 30m ohms

Data for Heater Applications

Lambda control range	1.00...2.00
Sensor output voltage for lambda = 1.025...2.00 at exhaust gas temperature of 220° C and a flow rate of 0.4...0.9 m/sec	68...3.5 mV (2)
Sensor internal resistance in air at 20° C at 12 V heater voltage	< 250 ohms
Sensor voltage in air at 20° C in as-new state and at 13 V heater voltage	-9...-15 mV

Data for Heater Applications cont.

Manufacturing lambda tolerance in as-new state (standard deviation 1 s) at exhaust gas temperature of 220° C and at flow rate of ~ 0.7 m/sec	
at lambda = 1.30	< 0.013
at lambda = 1.80	< 0.050
Relative sensitivity - sensor voltage/lambda value delta at lambda = 1.30	0.65 mV/0.01
Influence of the exhaust-gas temperature on sensor signal for a temperature increase 130 to 230° C, at a flow rate < 0.7 m/sec, and lambda = 1.30 (delta lambda)	
	< 0.01
Influence of heater-voltage change +/- 10% of 12 V at exhaust gas temperature of 220° C	
at lambda = 1.30; lambda delta change	< +/- 0.009
at lambda = 1.80; lambda delta change	< +/- 0.035
Response time at exhaust gas temperature = 220° C and ~ 0.7 m/sec flow rate. As-new values for the 66% switching point; lambda jump = 1.10 < > 1.30	
for the jump in the "lean" direction	2.0 sec
for the jump in the "rich" direction	1.5 sec

LSM 11 Technical Data & Specifications



Guideline value for sensor's "readiness for control" point to be reached after switching on oil burner and sensor heater; exhaust gas temperature ~ 220^o C; flow rate ~ 1.8 m/sec; lambda = 1.45; sensor in exhaust pipe dia. 170mm

70 sec

Sensor ageing (lambda value drift) in heating-oil exhaust gas after 1,000 continuous burner operation with EL heating oil; measured at exhaust gas temperature of 220^o C

at lambda = 1.30; lambda delta change

< +/- 0.012

at lambda = 1.80; lambda delta change

< +/- 0.052

Sensor useful life at exhaust temperature of < 300^o C

In individual cases to be checked by customer;
guideline value ~ 10,000 hours

(2) = See characteristic curves on page A27

Oxygen Sensor Type Code LSU 4.2

“Broadband” Sensor

Overview

The Broadband oxygen sensor type LSU 4.2 is a Planar construction zirconium dioxide, dual cell current limiting sensor with integrated heater. Sensor output can range from $\lambda = 0.7$ up to $\lambda = \infty$ (atmospheric) hence the LSU is capable of being used as a universal sensor for $\lambda = 1$ application as well as various other λ ranges. These sensors have been applied to petrol engines for lambda control.

The sensor connector module carries a calibration-trimming resistor that defines the characteristics of each individual sensor. This resistor is critical for the correct operation of the sensor and must not be removed, hence removal and/or exchange of the connector module is prohibited.

Due to the unique operational nature of the LSU 4 broadband oxygen sensor, they can only be operated in conjunction with a special control unit designed to support the dual measuring cells, ion pump and the complex heater management requirements.

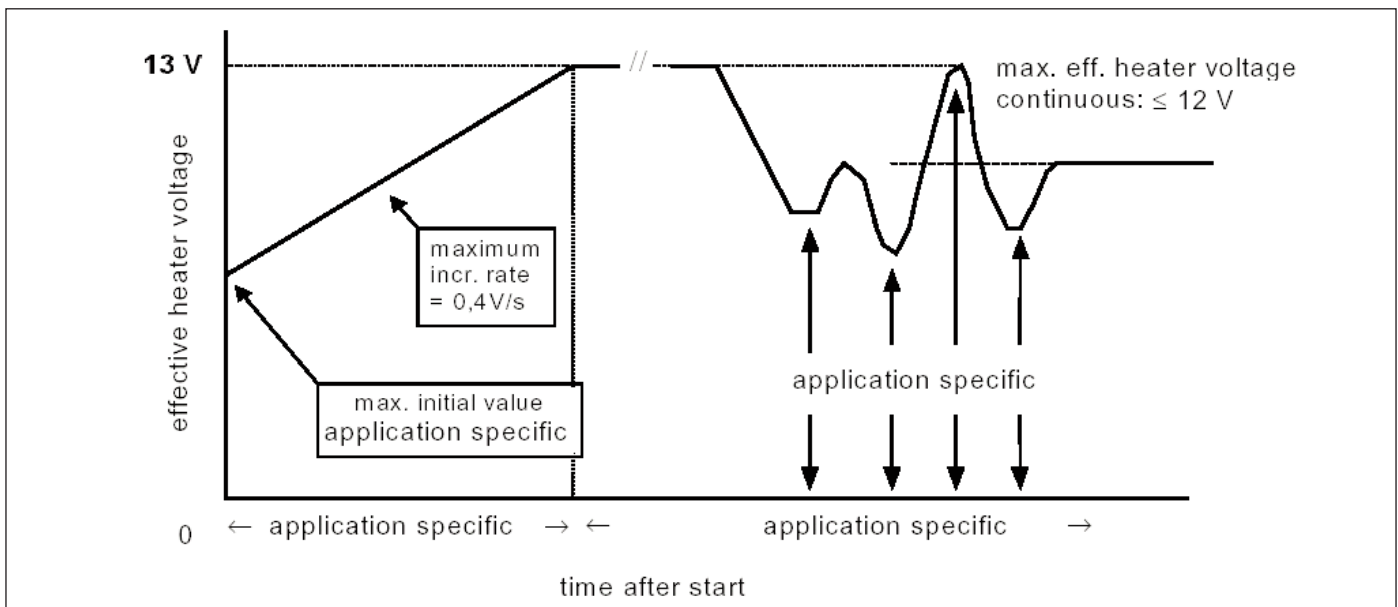
Important Note: It is common practice for these sensors to be used in conjunction with various aftermarket air/fuel ratio measurement devices, not of Bosch design or manufacture. It should be noted that these sensors are more susceptible to damage from thermal shock than the older “Thimble” design sensors, this is mainly due to their much higher operational temperatures. As detailed below, the heater management strategy used for the LSU 4 sensor is quite complex and generally vehicle specific. Whilst these sensors are “Universal” in their measurement capabilities, they are not designed to be “Universal” in their installation position. Installation position is critical to prevent moisture settling into the sensor element during shut down; hence the sensor should never be allowed to become inverted during storage. Therefore when using these sensors for temporary air/fuel ratio measurements, i.e. chassis/engine dynamometer testing, the operator should take care to protect the sensor from moisture ingress and physical damage that may create the potential of thermal shock to the sensor element resulting in premature sensor failure.



Sensor Heater Management

Due to the high operational temperature of the sensing element of the LSU sensor, complex application specific heater element control strategies are used to control sensor temperature across various operating conditions. These strategies are used to avoid sensor damage caused by thermal shock resulting in premature sensor failure. The heater supply voltage must be controlled, so that the temperature of the sensor is kept at a nominal temperature of approximately 750°C. The heater circuit of the LSU is a pulse width modulated (PWM) control circuit allowing infinite control of the heater supply voltage to compensate for various engine, vehicle and climatic operating conditions. The table below shows some of the factors involved in mapping the control requirements of the sensor heater element.

Important Note: The sensor heating element should never be connected directly to battery voltage



Oxygen Sensor Type Code LSU 4.2

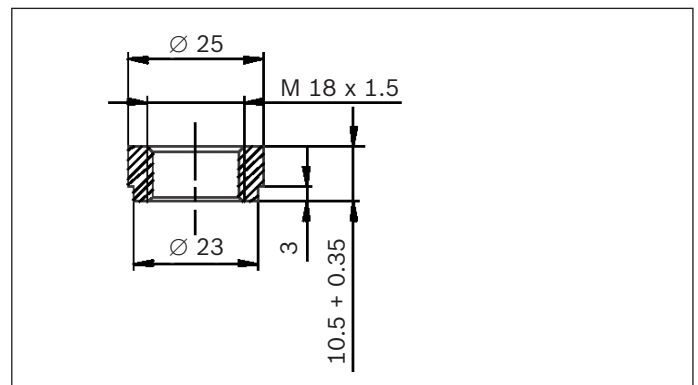
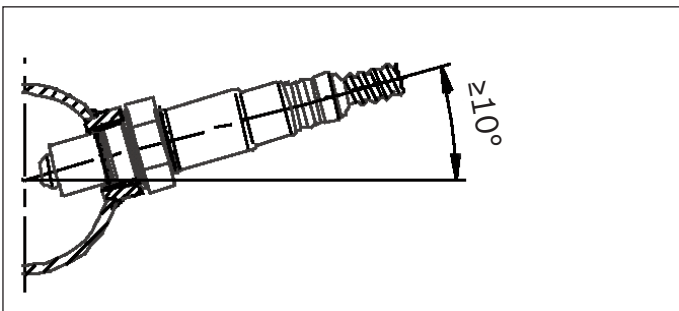
“Broadband” Sensor



General Installation Instructions & Requirements

In general, the sensor installation point must be tested sufficiently by the customer for function and durability.

- ▶ Installation in the exhaust line must be at a point guaranteeing representative exhaust gas composition whilst also satisfying the specified temperature limits
- ▶ The heater power must always be switched on power controlled, starting with a maximum ramp up nominal voltage as described in the sensor specifications. This is to reduce thermal stress of the sensor element at cold start due to high peak power in the first seconds.
- ▶ The sensor installation location must be selected to minimise exhaust side stressing with condensation water in order to prevent ceramic element cracking.
- ▶ Locate the sensor as close to the engine as possible, respecting maximum allowed temperature range.
- ▶ The exhaust pipe in front of the sensor should not contain any pockets, projections, protrusions, edges, flex-tubes etc. to avoid accumulation of condensation water. A downside slope of the pipe is recommended.
- ▶ Make sure, that the front hole of the double protection tube does not point against exhaust gas stream.
- ▶ Never switch on the sensor heating control unit before engine start.
- ▶ Delay of sensor heater start or power control of the sensor heater as a function of engine and ambient temperature.
- ▶ Installation angle should be inclined at least 10 degrees towards horizontal (electrical connection upwards). Thus preventing the collection of liquids between sensor housing and sensor element during the cold start phase. Other installation angles must be inspected and tested individually.
- ▶ As the sensor receives reference air through the connection cable, the use of cleaning/greasing fluids at the sensor plug connection is not permitted.
- ▶ Assembly with special high temperature resistant grease on the screw-in thread is recommended
- ▶ Tightening torque = 40 – 60 Nm, material characteristics and strength must be appropriate.
- ▶ Recommended material for the thread boss in the exhaust pipe: Temperature resistant stainless steel to following standards; DIN 17440 1.4301 or 1.4303, SAE 30304 or 30305 (US). Thread boss dimensions should be as in sketch, note that sensor thread must be covered completely.
- ▶ The sensor must be covered when underseal (wax, tar etc.) or spray oil is applied to the vehicle.
- ▶ The sensor must not be exposed to strong mechanical shocks (e.g. while the sensor is installed). Otherwise the sensor element may crack without visible damage at the sensor housing.
- ▶ Underfloor installation of the sensor remote from the engine requires an additional check of the following points; positioning of the sensor with respect to stone impact hazard; positioning and fixing of cable and connector with respect to mechanical damage, cable bending stress and thermal stress.
- ▶ The sensor should not be exposed to continuous, one-sided dripping of water, e.g. by the air-conditioning condensation water outlet. The thermal stress could lead to mechanical damage of the sensor.



LSU 4.2 Technical Data & Specifications

General

Sensor Part Number (as example) with 650mm cable length	0 258 006 065
with 460mm cable length	0 258 006 066
Electrical connection	6 pole connector module (with integrated trim resistor)
Connector part number	D 261 205 138
Mounting thread size	M18 x 1.5mm
Sensor hexagon size	SW 22

Application Conditions

Temperature range, passive (storage temperature)	-40...+ 100° C
Permissible maximum exhaust gas temperature at sensor element with heating switched on. Note: If the exhaust gas temperature of 850° C is exceeded, the heater power must be switched off. In this case the accuracy of the sensor signal is limited.	< + 980° C (max 250 h in 10 min intervals)
Operating temperature of the sensor housing hexagon	< + 570° C
at the cable gland	< + 200° C
at the connection cable	< + 150° C
at the connector	< + 120° C
Maximum current load of lambda = 1 Nernst cell	< 10 uA
Maximum pumping current into pump cell for rich gas signal	> - 9 mA
for lean gas signal	< 18 mA
Heater Element Nominal supply voltage, test voltage	9 V
Maximum permissible effective heater voltage at sensor element temperature of < 900° C short time < 200 hours	< 13 V
continuous	< 12 V
Minimum frequency of heater voltage control at supply voltage (peak) < 16 V	> 2 Hz
at supply voltage (peak) < 28 V	> 10 Hz
Nominal heating power for exhaust gas = 350° C & exhaust gas flow speed of ~ 0.7 m/sec at 9 V heater voltage	~10 W
Insulation resistance between heater and sensor connection	> 30m ohms
Initial heater voltage is dependent on start temperature of sensor; nominal values at - 40° C	7.4 V
- 10° C	7.8 V
+ 20° C	8.2 V
+ 50° C	8.6 V
Maximum heater voltage increase during warm-up phase	< 0.4 V/sec
Nominal heater cold resistance at ambient temperature for new sensor, including cable and connector at 20° C	3.2 ohms
at - 40° C	2.1 ohms

Data for Measurement Applications

Lambda control range	0.70...infinity
Sensor internal resistance at 750° C	~ 80 ohms
Guideline value for sensor "light-off time" to be reached after switching on sensor heater; exhaust gas temperature ~ 20° C	< 20 sec



LSU 4.2 Technical Data & Specifications



Sensor ageing (lambda value drift) in calibration gas; measured at exhaust gas temperature of 20° C	
at lambda = 1.70; lambda delta change	+/- 0.20
at lambda = 0.80; lambda delta change	+/- 0.04
Sensor useful life at exhaust temperature of < 300° C	
> 160,000 km dependent on installation compliance	

Oxygen Sensor Type Code LSU 4.9

“Broadband” Sensor

Overview

The latest generation of LSU Broadband oxygen sensor is the LSU 4.9. This sensor like the LSU 4.2 is a Planar construction zirconium dioxide, dual cell current limiting sensor with integrated heater. Sensor output can range from $\lambda = 0.65$ up to $\lambda = \infty$ (atmospheric) hence the LSU 4.9 is capable of being used as a universal sensor for $\lambda = 1$ application as well as various other λ ranges. These sensors can be applied to petrol and diesel engines for lambda control.

The sensor connector module carries a calibration-trimming resistor that defines the characteristics of each individual sensor. This resistor is critical for the correct operation of the sensor and must not be removed, hence removal and/or exchange of the connector module is prohibited.

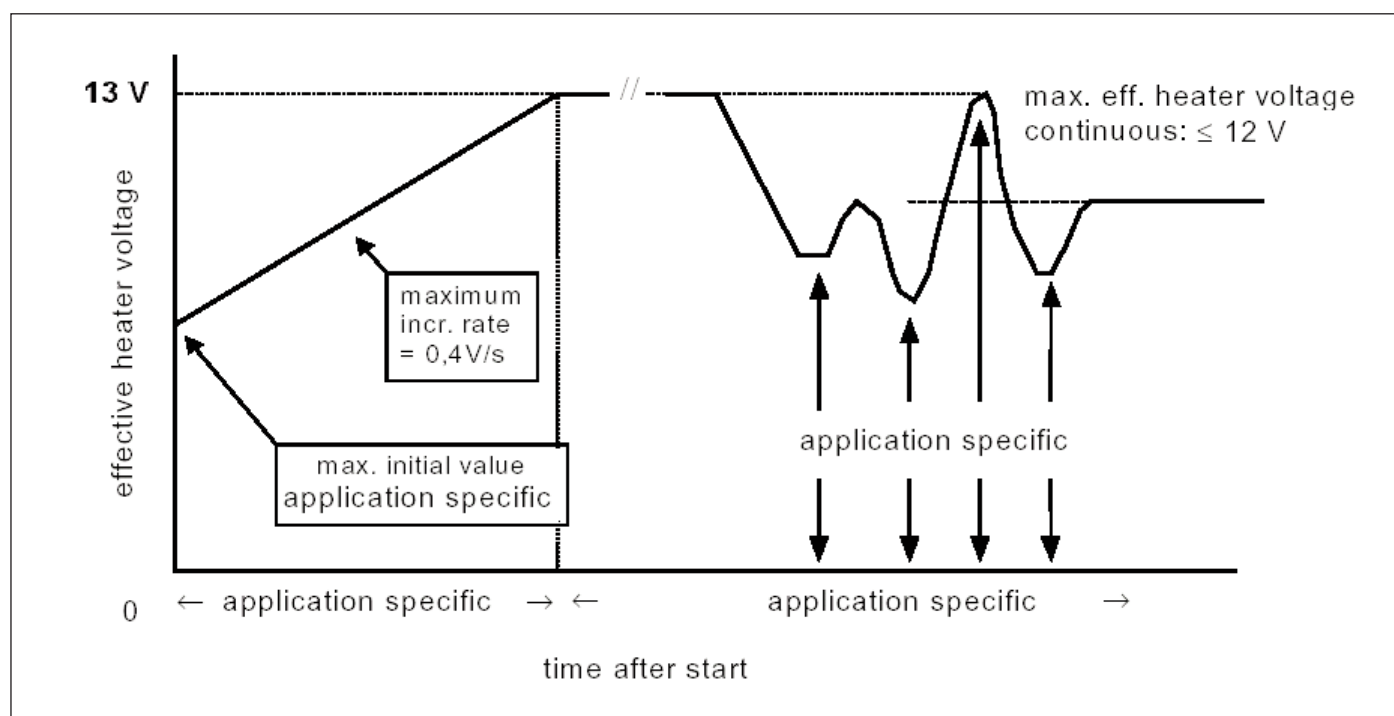
Due to the unique operational nature of the LSU 4.9 broadband oxygen sensor, they can only be operated in conjunction with a special control unit designed to support the dual measuring cells, ion pump and the complex heater management requirements.

Advantages of the LSU 4.9 over previous versions:

- ▶ Faster light off time, approximately 10 seconds from engine start.
- ▶ The reference air is now a “pumped reference” from the exhaust gas rather than vented to atmosphere. This provides superior contamination resistance and less signal drift over the service life of the sensor.
- ▶ Uses highest level of sensor protection tube
- ▶ Service life of the LSU 4.9 is increased to approximately 250,000km
- ▶ Compatible with diesel engines



Important Note: : It is common practice for these sensors to be used in conjunction with various aftermarket air/fuel ratio measurement devices, not of Bosch design or manufacture. It should be noted that these sensors are more susceptible to damage from thermal shock than the older “Thimble” design sensors, this is mainly due to their much higher operational temperatures. As detailed below, the heater management strategy used for the LSU 4.9 sensor is quite complex and generally vehicle specific. Whilst these sensors are “Universal” in their measurement capabilities, they are not designed to be “Universal” in their installation position. Installation position is critical to prevent moisture settling into the sensor element during shut down; hence the sensor should never be allowed to become inverted during storage. Therefore when using these sensors for temporary air/fuel ratio measurements, i.e. chassis/engine dynamometer testing, the operator should take care to protect the sensor from moisture ingress and physical damage that may create the potential of thermal shock to the sensor element resulting in premature sensor failure.





Sensor Heater Management

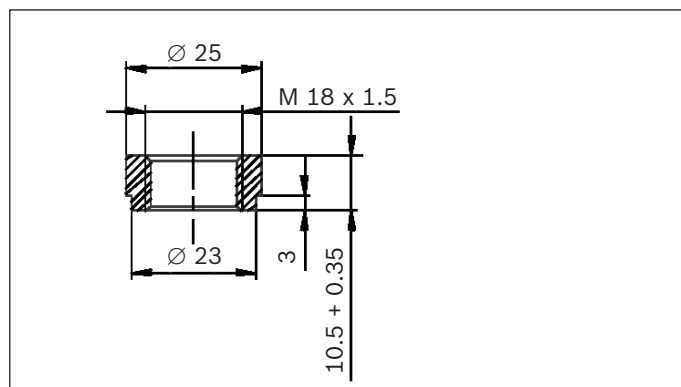
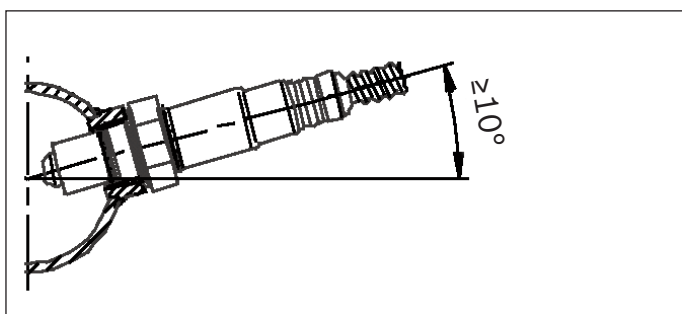
Due to the high operational temperature of the sensing element of the LSU 4.9 sensor, complex application specific heater element control strategies are used to control sensor temperature across various operating conditions. These strategies are used to avoid sensor damage caused by thermal shock resulting in premature sensor failure. The heater supply voltage must be controlled, so that the temperature of the sensor is kept at a nominal temperature of approximately 750°C. The heater circuit of the LSU is a pulse width modulated (PWM) control circuit allowing infinite control of the heater supply voltage to compensate for various engine, vehicle and climatic operating conditions. The table below shows some of the factors involved in mapping the control requirements of the sensor heater element.

Important Note: The sensor heating element should never be connected directly to battery voltage.

General Installation Instructions & Requirements

In general, the sensor installation point must be tested sufficiently by the customer for function and durability.

- ▶ Installation in the exhaust line must be at a point guaranteeing representative exhaust gas composition whilst also satisfying the specified temperature limits
- ▶ The heater power must always be switched on power controlled, starting with a maximum ramp up nominal voltage as described in the sensor specifications. This is to reduce thermal stress of the sensor element at cold start due to high peak power in the first seconds.
- ▶ The sensor installation location must be selected to minimise exhaust side stressing with condensation water in order to prevent ceramic element cracking.
- ▶ Locate the sensor as close to the engine as possible, respecting maximum allowed temperature range.
- ▶ The exhaust pipe in front of the sensor should not contain any pockets, projections, protrusions, edges, flex-tubes etc. to avoid accumulation of condensation water. A downside slope of the pipe is recommended.
- ▶ Make sure, that the front hole of the double protection tube does not point against exhaust gas stream.
- ▶ Never switch on the sensor heating control unit before engine start.
- ▶ Delay of sensor heater start or power control of the sensor heater as a function of engine and ambient temperature.
- ▶ Installation angle should be inclined at least 10 degrees towards horizontal (electrical connection upwards). Thus preventing the collection of liquids between sensor housing and sensor element during the cold start phase. Other installation angles must be inspected and tested individually.
- ▶ The use of cleaning/greasing fluids at the sensor plug connection is not permitted.
- ▶ Assembly with special high temperature resistant grease on the screw-in thread is recommended
- ▶ Tightening torque = 40 – 60 Nm, material characteristics and strength must be appropriate.
- ▶ Recommended material for the thread boss in the exhaust pipe: Temperature resistant stainless steel to following standards; DIN 17440 1.4301 or 1.4303, SAE 30304 or 30305 (US). Thread boss dimensions should be as in sketch, note that sensor thread must be covered completely.
- ▶ The sensor must be covered when underseal (wax, tar etc.) or spray oil is applied to the vehicle.
- ▶ The sensor must not be exposed to strong mechanical shocks (e.g. while the sensor is installed). Otherwise the sensor element may crack without visible damage at the sensor housing.
- ▶ Underfloor installation of the sensor remote from the engine requires an additional check of the following points; positioning of the sensor with respect to stone impact hazard; positioning and fixing of cable and connector with respect to mechanical damage, cable bending stress and thermal stress.
- ▶ The sensor should not be exposed to continuous, one-sided dripping of water, e.g. by the air-conditioning condensation water outlet. The thermal stress could



LSU 4.9 Technical Data & Specifications

General

Sensor Part Number (as example) with 875mm cable length (1000mm total length)	0 258 017 025
Electrical connection	6 pole connector module (with integrated trim resistor)
Mating Connector part number	1 987 280 016
Mounting thread size	M18 x 1.5mm
Sensor hexagon size	SW 22

Application Conditions

Permissible maximum exhaust gas temperature at sensor element with heating switched on. Note: If the exhaust gas temperature of 850 °C is exceeded, the heater power must be switched off. In this case the accuracy of the sensor signal is limited.

	< + 1,030° C (max 250 h in 10 min intervals)
Operating temperature of the sensor housing hexagon	< + 680° C
at the connection cable	< + 280° C
at the connector	< + 120° C
Maximum current load of lambda = 1 Nernst cell	< 250 uA
Maximum pumping current into pump cell for rich gas signal	> - 9 mA
for lean gas signal	< 6 mA
Heater Element Nominal supply voltage, test voltage	7.5 V
Maximum permissible effective heater voltage at sensor element temperature of < 900° C	
short time < 200 hours	< 13 V
continuous	< 12 V
Minimum frequency of heater voltage control at supply voltage (peak) < 16 V	> 20 Hz
at supply voltage (peak) < 28 V	> 100 Hz
Nominal heating power at 7.5 V heater supply at thermal equilibrium in air	~7.5 W
Insulation resistance between heater and sensor connection	> 30 Mohms
Maximum initial heater voltage	8.5 V
Maximum heater voltage increase during warm-up phase	< 0.4 V/sec
Nominal heater cold resistance at ambient temperature of -40° C for new sensor, including cable and connector	1.8 ohms

Data for Measurement Applications

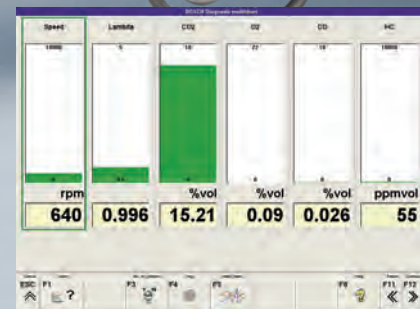
Lambda control range	0.65...infinity
Guideline value for sensor "light-off time" to be reached after switching on sensor heater; exhaust gas temperature ~ 20° C	< 10 sec
Sensor useful life at exhaust temperature of < 300° C	> 240,000 km dependent on installation compliance



Diagnose Your Sensors



FSA oxygen sensor reading



BEA oxygen sensor reading

Bosch FSA 7 Series Vehicle Testers

Efficient vehicle diagnostics is essential for a successful automotive workshop. The on-board electronics of the modern motor vehicles allow for speedy identification to the cause of the problem thanks to diagnostics interfaces and fault memories, but the rapid identification of the defect requires "component testing", which is provided by the FSA740 & FSA500 range of vehicle system analysers. The FSA software has the ability to simultaneously display two oxygen sensor combined with on-screen gas analyser values from the optional BEA gas analyser module.

FSA500 Features

- ▶ Compact measuring module with wireless connection to PC or laptop
- ▶ Can also be trolley mounted
- ▶ Universal oscilloscope - 2 channel mode 40 MHz scope
- 4 channel mode 1 MHz scope
- ▶ Ignition oscilloscope (single secondary probe)

FSA740 Features

- ▶ Trolley mounted with PC & large LED monitor
- ▶ Universal oscilloscope - 2 channel 50 MHz
- ▶ Primary/secondary Ignition oscilloscope (Parade adaptation up to 12 Cyl)
- ▶ Timing light (Petrol & Diesel)

Common Features on FSA740 & FSA500

- ▶ Multiple Component tests
- ▶ Save comparative scope patterns & superimpose over a live pattern
- ▶ Signal generator & Multimeter function
- ▶ Continuous 24-hour data logging function

Optional measuring modules:

- ▶ Interface to KTS module with on-screen ECU actual values
- ▶ Interface to BEA module with on-screen gas analyser values

Bosch BEA Emission Analysers

The Bosch range of BEA gas analysers provide the workshop with a complete system for the full spectrum of emission system analysis.

The gas analyser offers the simplest diagnostic connection to a motor vehicle, but it is often overlooked as a diagnostic tool. Depending on the combination of gas readings it can be very useful in assisting to diagnose common ignition or even sensor faults, such as failed oxygen sensors.

- ▶ BEA 060 gas analyser module with Bluetooth wireless interface to PC or laptop
- ▶ Both 240V & 12V power supply
- ▶ Highest OIML Class 0 certification, translates to guaranteed long term accuracy
- ▶ Optional RPM module



Bosch KTS Series Diagnostic Testers

More and more workshops are using the KTS series from Bosch to make diagnosis of newer vehicle systems efficient. The KTS series, in combination with specially designed ESI[tronic] software, provides the workshop with all the tools necessary for fast, accurate fault diagnosis for all components, including those such as oxygen sensors.

KTS570 module

- ▶ Scanner module with Bluetooth wireless interface to PC or laptop
- ▶ Integrated 2 channel oscilloscope, for confirming oxygen sensor faults

KTS340 Tester

- ▶ Handheld scanner with 8.4" touch screen with embedded LINUX operating system

Both KTS scanners feature:

- ▶ Easy to navigate software system with practical menu & shortcuts
- ▶ Extensive coverage of Australian, Asian & European vehicles
- ▶ Comprehensive diagnostic functions & a vehicle specific connector program
- ▶ ESI[tronic] the most comprehensive trouble shooting software information on the market – from fault code to replacement part application (inc. wiring diagrams & connector pinouts)
- ▶ Full ECU communication protocols from Flash Code to High Speed Can
- ▶ Integrated multimeter
- ▶ 4 software updates per year included in the package for 3 years

Bosch Automotive Technical Training Program



The ever-evolving technological landscape of our industry requires us all to keep abreast of the latest system innovations, diagnostic procedures and test equipment.

An investment in training is what makes the difference between a tradesman and a technician, and adds a competitive edge to any workshop focused on customer satisfaction, productivity and profitability.

Bosch Technical Training is now available to all automotive workshops*, so please join the growing number of technicians who have benefited from the training delivered by our highly skilled and experienced training team. With the knowledge and support of one of the world's leading automotive innovators and manufacturers, Bosch Technical Training will provide you with the competitive edge.

Bosch Technical Training courses give detailed insight into various vehicle systems including the latest developments in ignition and engine management systems, electronic battery management, common rail diesel and vehicle safety systems such as ABS and ESP. A thorough understanding of the operation and design of components such as oxygen sensors, ignition coils and air mass sensors are essential not only for accurate diagnosis but also for correct selection and application of replacement parts. As a manufacturer of both vehicle systems and high quality components, Bosch is able to provide detailed product and system information for use as training resources.

A range of technical training courses are conducted in most Australian capital cities and New Zealand throughout the year. To receive a copy of our current Automotive Technical Training Program book or any other training enquiries, please contact us at **automotive.training@au.bosch.com** or phone **+61 (3) 9541 5553** between 9.00am & 4.30pm Monday to Friday.

*Excludes Diesel Specialist Training, refer to Bosch Automotive Technical Training book for details.

Robert Bosch (Australia) Pty Ltd

Automotive Aftermarket

Voluntary Repair or Replacement Warranty

All Bosch automotive aftermarket parts are carefully checked, tested and are subject to the stringent quality controls of Bosch Quality Assurance.

Important Note: Consumer Protections

If you have purchased your product in Australia, you should be aware that:

*This warranty is provided **in addition to** other rights and remedies held by a consumer at law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.*

If you have purchased your product in New Zealand, you should be aware that:

This warranty is supplemental to any other rights and remedies you have under the *Consumer Guarantees Act 1993 NZ*, unless your purchase is made for commercial purposes, in which case Bosch excludes all consumer guarantees implied in the *Consumer Guarantees Act 1993 NZ* in respect of your product.

(A reference to “Bosch” in this Voluntary Repair or Replacement Warranty is a reference to Robert Bosch (Australia) Pty Ltd, unless from the particular context it is obvious that it is being used as a trade mark or brand name.)

Warranty

Bosch warrants, at its option, to repair or exchange those particular classes of automotive aftermarket products specified in the product table on the last page of this warranty (Products) if such Products are faulty or defective in manufacture or materials during the relevant Product warranty period.

This warranty is provided for the benefit of persons who purchase and fit the Products (“Workshops”), and of end-users of the Products, in Australia or New Zealand.

Repair or replacement under this warranty does not extend to repair or replacement, or any cost of replacement, of consumables or accessories incorporated into or supplied with the Products (for example, bearings or brushes).

This warranty only covers repair or replacement of the defective Products. It does not cover:

- ▶ any costs incurred by the Workshop or end-user in normal or scheduled maintenance of the Products; or
- ▶ any damage to property, personal injury, direct or indirect loss, consequential losses or other expenses arising from breach of this warranty. Any Workshop or end-user concerned with this exclusion should consider the “Important Note: Consumer Protections” above.

Warranty Periods

The warranty periods for the Products vary according to the particular class. The respective warranty periods are specified in the product table on the last page of this warranty.

In each case, the warranty commences with effect from:

- ▶ the date of purchase of the relevant Product by the Workshop

- of the Product (as the case may be); or
- ▶ in the case of test equipment (excluding spare parts), the date of installation or three months after the date of purchase, whichever occurs earliest.

It ends at the expiration of the time indicated for the Product in the table at the end of this voluntary warranty or, in the case of a Product for which another measure is also specified to define the length of the warranty period (for example, number of kilometres), it ends at the expiration of the specified time period or at the time when such specified measure of use is reached – whichever occurs first.

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

Warranty Conditions

This voluntary warranty is subject to the following conditions:

- ▶ The warranty is not transferable and is only offered to the original Workshop or end user of the Product (as the case may be).
- ▶ Where a Product or part thereof is replaced or repaired under this voluntary warranty, the balance of the original voluntary warranty will apply. The replacement Product or product does not carry a new voluntary warranty.
- ▶ The warranty does not extend to any Products that have been completely or partially disassembled.
- ▶ These warranty terms cannot be amended except in writing by an authorised officer of Bosch.
- ▶ The warranty only applies to Products purchased by a Workshop or an end-user in Australia or New Zealand from Bosch or from a reseller where the Products have been originally sold by Bosch.
- ▶ Any claim made under this voluntary warranty must meet the requirements set out below in the “How to Make a Warranty Claim” section.

Warranty Exclusions

This warranty will not apply to a defect or fault to the extent to which it arises:

- ▶ due to storage, handling or installation of the Products otherwise than in accordance with instructions provided for the Products by Bosch or without reasonable care;
- ▶ due to operation, use or maintenance of the Products otherwise than in accordance with instructions provided for the Products by Bosch or without reasonable care;
- ▶ due to accidental damage or to use of the Products for a purpose or in environmental conditions for which the Products were not designed or sold, or use of the products outside the specified or normal operating ranges for such Products;
- ▶ as a result of changes which occur in the condition or operational qualities of the Products due to climate or other environmental influence, foreign material contamination or water entry or as a result of exposure to excessive heat or solvents;
- ▶ from normal wear and tear or when replacement or repair of parts would be part of normal maintenance or service of the Products (for example, bearings or brushes) or where the damage is only to surface coating, varnish or enamel;
- ▶ as a result of repairs, alterations or modifications to the Product which have been performed by a third party;
- ▶ from the use of any spare parts not manufactured, sold or





- approved by Bosch in connection with the repair or replacement of Product, or
- ▶ as a result of any other defective or malfunctioning parts in the vehicle in which the Product has been installed.

This voluntary warranty does not apply to damage caused by continued use of a Product after it is known, or would have been known with regular servicing, it is defective.

Wrong Deliveries and Transit Damage

Wrong deliveries, incorrect or damaged packing and transit damage claims are not warranty claims. Such cases should be directed to Bosch's Customer Service line in Australia on 1300 307 040 or in New Zealand on 0800 452 896.

How to Make a Warranty Claim

If a Product fails within the warranty period, the Workshop or the end-user must stop fitting or using the Product or the vehicle in which the Product is stored (as the case may be) until the Product is returned or made available for assessment.

The Product must be returned to the place of purchase (which in the case of a fault or defect identified after installation, may be the Workshop which fitted the Product) for assessment before the end of the Warranty Period (see Deadlines for Submitting Warranty Claims below).

Where this is not practicable, or further warranty support is required, please call Bosch on 1300 307 040 (within Australia) or 0800 452 896 (within New Zealand). Alternatively, for claims in Australia, you can post details of your claim to Robert Bosch (Aust) Pty Ltd, Attn AA Warranty Department, Locked Bag 66, Clayton Sth, 3169. Claims received by post will take longer to process and we encourage you to call us first. Bosch may refer you to one of its Bosch Warranty Authorised Service Dealers.

In all cases, the Workshop or end-user must provide proof of purchase, and any other details or evidence reasonably requested by Bosch or the supplier of the Product to substantiate the warranty claim.

Costs of Submitting a Warranty Claim

For invalid claims under this voluntary warranty, Bosch will not be liable for the end user's or the Workshop's costs in making the warranty claim, including transport or return freight.

In respect of valid claims under this voluntary warranty, the Workshop or the end user (as the case may be) will not be charged for costs associated with making a warranty claim, including warranty processing costs, the cost of replacement parts or freight. Reimbursement for necessary and reasonably incurred costs or expenses in making valid warranty claims under this manufacturer's warranty may be sought from Bosch. To enquire how to make a claim for reimbursement for costs incurred in submitting a warranty claim, please call 1300 307 040 in Australia or 0800 452 896 in New Zealand. Documentary evidence in support of such claim will be required.

Deadlines for Submitting Warranty Claims

Bosch 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 claims are promptly submitted to Bosch by the end of the

warranty period. Bosch requests however that returns are made no later than 30 days after becoming aware of any defect or in order to assist Bosch to maintain its strict quality controls.

Packaging

Products do not need to be returned with the original packaging to make a warranty claim.

Product Liability and Product Safety

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

Privacy

Bosch is required (or in the case of a Workshop, may be required) to seek personal information from an end-user or Workshop who seeks to make a claim under this warranty.

Such personal information may be used by Bosch and/or any service dealer who is authorised to process warranty claims and/or carry out warranty repairs on behalf of Bosch ("Warranty Authorised Service Dealer") for the purpose of processing such warranty claim and also for the provision of customer support and further information about Bosch's products and services

Purpose

If an end-user or Workshop does not wish to provide Bosch and/or its Warranty Authorised Service Dealer with personal information, Bosch may be unable to process the end-user's or Workshop's warranty claim or to provide the end-user or Workshop with additional customer support, services and information.

Bosch is committed to protecting the privacy of personal information and will act in compliance with applicable privacy laws, including the National Privacy Principles under the Australian Privacy Act 1988 (Cth) (as amended) and New Zealand's Information Privacy Principles described in the Privacy Act 1993 (NZ).

Bosch takes security measures in order to protect any personal information collected in the warranty claim process against manipulation, loss, destruction, access by unauthorized persons or unauthorized disclosure.

Bosch will not disclose any personal information to third parties other than for the Purpose or except as required by law.

An end-user or Workshop has the right to access the personal information Bosch or its Warranty Authorised Service Dealers hold about them. The end-user or Workshop can request to see, change or modify the personal information held about them, or withdraw consent for its usage, by contacting Bosch at the Bosch Contact Details below.

Bosch Contact Details

This warranty is offered by Robert Bosch (Australia) Pty Ltd (ACN 004 315 628) of 1555 Centre Road, Clayton, Victoria 3168. Please call Robert Bosch (Australia) Pty Ltd on 1300 307 040 if in Australia or 0800 452 896 in New Zealand if you have any queries in relation to this warranty.

Vehicle Application Listing

How to use this catalogue

	4	5	6	7	8	9	10	11	12	13	14
1	ALFA ROMEO										
2	Alfa 33										
3	905	10.87 - 12.89	AR30558 <M8>	4	1.7		● 0258 003 060	0258 986 502	1700	3	
	907	01.90 - 03.92	AR30737 <M6>	4	1.7		● 0258 003 060	0258 986 502	1700	3	
		06.90 - 10.94	AR30747 <M9>	4	1.7		● 0258 003 060	0258 986 502	1700	3	
	Alfa 75										
	162	02.86 - 02.92	AR01911 KAT <M1>	6	2.5		● 0258 003 005	0258 986 502	916	3	
		01.87 - 02.92	AR06120 <M2>	6	3.0		● 0258 003 005	0258 986 502	916	3	
		02.87 - 01.90	AR06124 KAT <M3>	6	3.0		● 0258 003 957	0258 986 502	1236	3	
		09.87 - 02.92	AR06166 KAT <M11>	4	2.0	09.87 - 05.90	● 0258 003 957	0258 986 502	1236	3	
	Alfa 90										
	162	02.86 - 12.90	AR01911	6	2.5		● 0258 003 005	0258 986 502	916	3	
	Alfa 147										
	937	11.00 - 12.10	AR32310 <M10>	4	2.0		● 0258 006 376	0258 986 615	430	4	
		06.05 - 12.10	937A5000 <M92>	4	1.9		▲ 0258 006 388	0258 986 615	2030	4	
		10.07 - 12.10	937A6000 <M94>	4	1.9		● 0258 017 052		625	5	
							● 0258 017 052		625	5	
	Alfa 147 GTA										
	937	01.03 - 12.10	932A000 <M20>	6	3.2	cyls. 1 - 3	● 0258 006 389	0258 986 615	850	4	
						cyls. 4 - 6	▲ 0258 006 391	0258 986 602	2330	4	
							● 0258 006 206	0258 986 615	325	4	
							▲ 0258 006 424	0258 986 602	2030	4	
	Alfa 156										
	932	10.97 - 09.00	AR32301 <M3>	4	2.0	12.97 - 09.00	● 0258 006 190	0258 986 615	1200	4	
			AR32401 <M4>	6	2.5		● 0258 006 190	0258 986 615	1200	4	
		09.00 - 12.01	AR32310 CF3 <M20>	4	2.0		● 0258 006 376	0258 986 615	430	4	
							▲ 0258 006 388	0258 986 615	2030	4	
		01.02 - 10.05	AR32310 CF3 <M11>	4	2.0		● 0258 006 376	0258 986 615	430	4	
							▲ 0258 006 388	0258 986 615	2030	4	
			937 A1.000 <M10>	4	2.0		▲ 0258 006 193	0258 986 615	630	4	
						01.02 - 01.05	● 0258 007 156		410	5	
						02.05 - 10.05	● 0258 007 301		410	5	
			AR32405 <M15>	6	2.5	cyls. 1 - 3	● 0258 006 389	0258 986 615	850	4	
						cyls. 4 - 6	▲ 0258 006 391	0258 986 602	2330	4	
							● 0258 006 376	0258 986 615	430	4	
							▲ 0258 006 424	0258 986 602	2030	4	
		01.02 - 12.05	937 A1.000 <M10>	4	2.0		▲ 0258 006 193	0258 986 615	630	4	
						01.02 - 01.05	● 0258 007 156		410	5	
						02.05 - 12.05	● 0258 007 301		410	5	
		03.02 - 10.05	932 A.000 <M20>	6	3.2	cyls. 1 - 3	● 0258 006 389	0258 986 615	850	4	
						cyls. 4 - 6	▲ 0258 006 391	0258 986 602	2330	4	
							● 0258 006 376	0258 986 615	430	4	
							▲ 0258 006 424	0258 986 602	2030	4	
	Alfa 159										
	939	06.05 - 12.08	939 A5.000 <M50 E4>	4	2.2		● 0258 017 111		560	5	
							▲ 0258 006 916	0258 986 602	790	4	
		01.06 - 12.08	939 A.000 <M61>	6	3.2		● 0258 007 333		730	5	
							▲ 0258 006 910	0258 986 602	640	4	
		03.06 - 12.08	939 A5.000 <M50 E4>	4	2.2		● 0258 017 111		560	5	
							▲ 0258 006 916	0258 986 602	790	4	
							● 0258 007 333		730	5	
			939 A.000 <M61>	6	3.2		▲ 0258 006 910	0258 986 602	640	4	

- Vehicle make
- Vehicle model
- Vehicle series
- Vehicle production date
- Engine code
- Number of cylinders
- Capacity
- Fitment date for oxygen sensor
- Special cases/note
- Type of oxygen sensor - Control/Diagnosis
- Direct Fit oxygen sensor
- Universal Fit oxygen sensor
- Cable length
- Number of wires

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ALFA ROMEO

Alfa 33									
905	10.87 - 12.89	AR30558 <M8>	4	1.7		●	0 258 003 060	0 258 986 502	1700 3
	01.90 - 03.92	AR30737 <M6>	4	1.7		●	0 258 003 060	0 258 986 502	1700 3
	06.90 - 10.94	AR30747 <M9>	4	1.7		●	0 258 003 060	0 258 986 502	1700 3
Alfa 75									
162	02.86 - 02.92	AR 01911 KAT <M1>	6	2.5		●	0 258 003 005	0 258 986 502	916 3
	01.87 - 02.92	AR 06120 <M2>	6	3.0		●	0 258 003 005	0 258 986 502	916 3
	02.87 - 01.90	AR 06124 KAT <M3>	6	3.0		●	0 258 003 957	0 258 986 502	1236 3
	09.87 - 02.92	AR 06166 KAT <M11>	4	2.0	09.87 - 05.90	●	0 258 003 957	0 258 986 502	1236 3
Alfa 90									
162	02.86 - 12.90	AR 01911	6	2.5		●	0 258 003 005	0 258 986 502	916 3
Alfa 147									
937	11.00 - 12.10	AR 32310 <M10>	4	2.0		●	0 258 006 376	0 258 986 615	430 4
						▲	0 258 006 388	0 258 986 615	2030 4
	06.05 - 12.10	937A5000 <M92>	4	1.9		●	0 258 017 052		625 5
	10.07 - 12.10	937A6000 <M94>	4	1.9		●	0 258 017 052		625 5
Alfa 147 GTA									
937	01.03 - 12.10	932A000 <M20>	6	3.2	cyls. 1 - 3	●	0 258 006 389	0 258 986 615	850 4
						▲	0 258 006 391	0 258 986 602	2330 4
					cyls. 4 - 6	●	0 258 006 206	0 258 986 615	325 4
						▲	0 258 006 424	0 258 986 602	2030 4
Alfa 156									
932	10.97 - 09.00	AR32301 <M3>	4	2.0	12.97 - 09.00	●	0 258 006 190	0 258 986 615	1200 4
		AR32401 <M4>	6	2.5		●	0 258 006 190	0 258 986 615	1200 4
	09.00 - 12.01	AR32310 CF3 <M20>	4	2.0		●	0 258 006 376	0 258 986 615	430 4
						▲	0 258 006 388	0 258 986 615	2030 4
	01.02 - 10.05	AR32310 CF3 <M11>	4	2.0		●	0 258 006 376	0 258 986 615	430 4
						▲	0 258 006 388	0 258 986 615	2030 4
		937 A1.000 <M10>	4	2.0		▲	0 258 006 193	0 258 986 615	630 4
						●	0 258 007 156		410 5
					01.02 - 01.05	●	0 258 007 156		410 5
					02.05 - 10.05	●	0 258 007 301		410 5
		AR32405 <M15>	6	2.5	cyls. 1 - 3	●	0 258 006 389	0 258 986 615	850 4
						▲	0 258 006 391	0 258 986 602	2330 4
					cyls. 4 - 6	●	0 258 006 376	0 258 986 615	430 4
						▲	0 258 006 424	0 258 986 602	2030 4
	01.02 - 12.05	937 A1.000 <M10>	4	2.0		▲	0 258 006 193	0 258 986 615	630 4
					01.02 - 01.05	●	0 258 007 156		410 5
					02.05 - 12.05	●	0 258 007 301		410 5
	03.02 - 10.05	932 A.000 <M20>	6	3.2	cyls. 1 - 3	●	0 258 006 389	0 258 986 615	850 4
						▲	0 258 006 391	0 258 986 602	2330 4
					cyls. 4 - 6	●	0 258 006 376	0 258 986 615	430 4
						▲	0 258 006 424	0 258 986 602	2030 4
Alfa 159									
939	06.05 - 12.08	939 A5.000 <M50 E4>	4	2.2		●	0 258 017 111		560 5
						▲	0 258 006 916	0 258 986 602	790 4
	01.06 - 12.08	939 A.000 <M61>	6	3.2		●	0 258 007 333		730 5
						▲	0 258 006 910	0 258 986 602	640 4
	03.06 - 12.08	939 A5.000 <M50 E4>	4	2.2		●	0 258 017 111		560 5
						▲	0 258 006 916	0 258 986 602	790 4
		939 A.000 <M61>	6	3.2		●	0 258 007 333		730 5
						▲	0 258 006 910	0 258 986 602	640 4



Alfa 164										
164	04.88 - 09.92	AR 06412 <M4>	6	3.0	04.88 - 05.91	●	0 258 003 957	0 258 986 502	1236	3
					06.91 - 09.92	●	0 258 003 957	0 258 986 502	1236	3
	09.90 - 09.92	AR 64301 <M5>	6	3.0	09.90 - 05.91	●	0 258 003 957	0 258 986 502	1236	3
					06.91 - 09.92	●	0 258 003 957	0 258 986 502	1236	3

Alfa 166										
936	10.98 - 09.00	AR 34301 <M15>	6	3.0		●	0 258 006 190	0 258 986 615	1200	4
	09.00 - 10.07	AR 36101 <M17>	6	3.0	cyls. 1 - 3	●	0 258 006 389	0 258 986 615	850	4
						▲	0 258 006 391	0 258 986 602	2330	4
					cyls. 4 - 6	●	0 258 006 206	0 258 986 615	325	4
						▲	0 258 006 425	0 258 986 602	1780	4

Brera										
939	01.06→	939 A5.000 <M50>	4	2.2		●	0 258 017 111		560	5
						▲	0 258 006 916	0 258 986 602	790	4
		939 A.000 <M61>	6	3.2		●	0 258 007 333		730	5
	05.09→	939 B1.000 <M66>	4	1.8		▲	0 258 006 910	0 258 986 602	640	4
						●	0 258 006 190	0 258 986 615	1200	4

Giulietta										
940	05.10→	940 A1.000	4	1.8		●	0 258 017 240		470	5
						▲	0 258 010 167	0 258 986 615	795	4
		940 A4.000	4	2.0		●	0 281 004 123		500	5

GT										
937	10.03→	937A1000 <M5>	4	2.0		▲	0 258 006 193	0 258 986 615	630	4
					10.03 - 01.05	●	0 258 007 156		410	5
					02.05→	●	0 258 007 302		600	5
						●	0 258 006 389	0 258 986 615	850	4
	936A000 <M10>	6	3.2	cyls. 1 - 3		▲	0 258 006 391	0 258 986 602	2330	4
						●	0 258 006 206	0 258 986 615	325	4
					cyls. 4 - 6	▲	0 258 006 424	0 258 986 602	2030	4

GTV										
916	04.95 - 04.98	AR 16201 <M1>	4	2.0		●	0 258 003 390	0 258 986 506	1200	4
	05.98 - 07.00	AR 16102 <M4/M7>	6	3.0	05.98 - 10.99	●	0 258 006 193	0 258 986 615	630	4
					11.99 - 07.00	●	0 258 006 190	0 258 986 615	1200	4
	08.00 - 12.05	AR 32310 <M6>	4	2.0		●	0 258 006 376	0 258 986 615	430	4
						▲	0 258 006 411	0 258 986 615	1530	4
		AR 16105 <M7>	6	3.0	cyls. 1 - 3	●	0 258 006 389	0 258 986 615	850	4
						▲	0 258 006 391	0 258 986 602	2330	4
					cyls. 4 - 6	●	0 258 006 206	0 258 986 615	325	4
						▲	0 258 006 424	0 258 986 602	2030	4
	04.03 - 12.05	937A1.000 <M8>	4	2.0		●	0 258 007 156		410	5
						▲	0 258 006 375	0 258 986 615	630	4
		936A6.000 <M9>	6	3.2	cyls. 1 - 3	●	0 258 006 389	0 258 986 615	850	4
						▲	0 258 006 391	0 258 986 602	2330	4
					cyls. 4 - 6	●	0 258 006 206	0 258 986 615	325	4
						▲	0 258 006 424	0 258 986 602	2030	4

Mito										
955	10.09→	955 A... <M22>	4	1.4		▲	0 258 006 375	0 258 986 615	630	4
		955 A6.000 <M16>	4	1.4		●	0 258 006 206	0 258 986 615	325	4

Spider										
916	04.95 - 04.98	AR 16201 <M1>	4	2.0		●	0 258 003 390	0 258 986 506	1200	4
		AR 16101 <M2>	6	3.0		●	0 258 003 390	0 258 986 506	1200	4
	08.00 - 03.03	AR 16105 CF3 <M7>	6	3.0		●	0 258 006 190	0 258 986 615	1200	4
	08.00 - 02.06	AR 32310 CF3 <M6>	4	2.0		▲	0 258 006 411	0 258 986 615	1530	4





◀ ALFA ROMEO

916	04.03 - 02.06	936A6.000 <M9>	6	3.2	cyls. 1 - 3	● 0258 006 389	0258 986 615	850	4
						▲ 0258 006 391	0258 986 602	2330	4
					cyls. 4 - 6	● 0258 006 206	0258 986 615	325	4
						▲ 0258 006 424	0258 986 602	2030	4
939	03.06 - 12.10	939 A5.000 <M50>	4	2.2	● 0258 017 111			560	5
					▲ 0258 006 916	0258 986 602		790	4
	09.06 - 12.10	939 A.000 <M61>	6	3.2	● 0258 007 333			730	5
					▲ 0258 006 910	0258 986 602		640	4
	05.09 - 12.10	939 B1.000 <M66>	4	1.8	● 0258 017 111			560	5
					▲ 0258 006 190	0258 986 615		1200	4

Sprint

	10.87 - 12.89	305.58 Kat.	4	1.7	● 0258 003 060	0258 986 502	1700	3
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159 1.8 TBi

939	05.09 - 11.11	939 B1.000 <M66>	4	1.8	● 0258 006 190	0258 986 615	1200	4
					▲ 0258 017 111		560	5

ASTON MARTIN

DB7

	03.99 - 08.02		12	5.9	● 0258 005 716	0258 986 507	300	4
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AUDI

A1

8X1	05.10→	CAXA <D4X>	4	1.4	● 0258 017 178		750	5
					▲ 0258 010 036	0258 986 602	750	4

A1 1.4 TFSI Sportback

8XA	11.11→	CAVG <DP4>; CAXA <D4X>	4	1.4	● 0258 017 178		750	5
					▲ 0258 010 036	0258 986 602	750	4

A3

8L1	09.96 - 06.01	AEH									
			Chass.no →8L..V..095 000	4	1.6	09.96 - 03.97	●	0 258 005 143	0 258 986 505	710	4
			Chass.no 8L..V..095 001→	4	1.6	04.97 - 07.98	●	0 258 005 079	0 258 986 505	490	4
			8L..W..150 000								
			Chass.no	4	1.6	08.98 - 06.01	●	0 258 006 978	0 258 986 615	1760	4
	09.96 - 06.03	AGN	8L..X..000 001→								
			Chass.no →8L..V..106 585	4	1.8	09.96 - 05.97	●	0 258 005 081	0 258 986 505	720	4
			Chass.no 8L..V..106 586→	4	1.8	05.97 - 06.03	●	0 258 005 236	0 258 986 505	640	4
	12.96 - 06.03	AGU									
			Chass.no →8L..V..150 000	4	1.8	12.96 - 07.97	●	0 258 003 740	0 258 986 505	1170	4
			Chass.no 8L..W..000 001→	4	1.8	08.97 - 06.03	●	0 258 005 081	0 258 986 505	720	4
	08.98 - 05.00	APP		4	1.8		●	0 258 010 032	0 258 986 615	750	4
							▲	0 258 010 032	0 258 986 615	750	4
	08.98 - 04.03	APG		4	1.8		●	0 258 007 049		980	5
							▲	0 258 010 032	0 258 986 615	750	4
	05.00 - 04.02	AVU		4	1.6		●	0 258 007 351		1510	5
							▲	0 258 010 032	0 258 986 615	750	4
	05.00 - 06.03	AUM		4	1.8		●	0 258 007 351		1510	5
							▲	0 258 006 978	0 258 986 615	1760	4
	05.02 - 06.03	BFQ		4	1.6		●	0 258 007 351		1510	5
						▲	0 258 010 032	0 258 986 615	750	4	
8P1	05.03 - 05.05	BGU		4	1.6		▲		0 258 986 507		



8P1	01.04 - 08.04	BMB	4	2.0		● 0 258 017 012		1060	5
					Left side	▲ 0 258 006 986	0 258 986 602	1290	4
					Right side	▲ 0 258 006 986	0 258 986 602	1290	4
	06.04 - 12.04	BLX	4	2.0		● 0 258 017 012		1060	5
					Left side	▲ 0 258 006 986	0 258 986 602	1290	4
					Right side	▲ 0 258 006 986	0 258 986 602	1290	4
8PA	09.04 - 01.05	BLX	4	2.0		● 0 258 017 012		1060	5
					Left side	▲ 0 258 006 986	0 258 986 602	1290	4
					Right side	▲ 0 258 006 986	0 258 986 602	1290	4
	09.04 - 05.05	BGU	4	1.6		▲	0 258 986 507		
	09.04 - 10.05	AXX	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4
8P1	09.04 - 10.05	BLY	4	2.0		● 0 258 017 176		750	5
						▲ 0 258 006 986	0 258 986 602	1290	4
8PA	06.05 - 08.12	BSE <MW6>; BSF <MW6>	4	1.6		▲	0 258 986 507		
8P1	06.05 - 08.12	BSE <MW6>; BSF <MW6>	4	1.6		▲	0 258 986 507		
8PA	09.05 - 05.09	BWA	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4
	11.05 - 11.06	BYV	4	2.0	cyls. 1 & 4	● 0 258 017 241		830	5
					cyls. 2 & 3	● 0 258 017 012		1060	5
					Left side, Front	▲ 0 258 006 986	0 258 986 602	1290	4
					Rear	▲ 0 258 006 986	0 258 986 602	1290	4
					Right side, Front	▲ 0 258 006 986	0 258 986 602	1290	4
	11.05 - 05.10	BLS <D3W>	4	1.9		● 0 281 004 148		750	5
	11.06 - 06.07	BYT	4	1.8		● 0 258 006 986	0 258 986 602	1290	4
8P1	11.06 - 06.07	BYT	4	1.8		● 0 258 006 986	0 258 986 602	1290	4
8PA	06.07 - 06.08	BZB	4	1.8		● 0 258 006 986	0 258 986 602	1290	4
						▲ 0 258 010 036	0 258 986 602	750	4
	06.07 - 08.12	CAXC <D33>	4	1.4	Dual Clutch Trans., Euro 5 emissions	●	0 258 986 602		
					Euro 4 emissions, 4-pin connection	▲ 0 258 010 036	0 258 986 602	750	4
					Euro 5 emissions, 6-pin connection	● 0 258 017 178		750	5
	07.08 - 08.12	CDAA <D67>	4	1.8		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4
	11.09→	CFFB <D91>; CFGB <D93>	4	2.0		● 0 281 004 148		750	5
	05.10→	CMXA <MW6>	4	1.6		▲	0 258 986 507		
8P1	05.10→	CMXA <MW6>	4	1.6		▲	0 258 986 507		

A3 Cabriolet

8P7	04.08 - 01.09	BZB <D67>	4	1.8		● 0 258 006 986	0 258 986 602	1290	4
						● 0 258 006 986	0 258 986 602	1290	4
	01.09→	CDAA <D67>	4	1.8		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4
		CCZA <D2L>	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4

A3 Quattro

8L1	08.97 - 08.00	AGU	4	1.8		● 0 258 005 081	0 258 986 505	720	4
						● 0 258 005 236	0 258 986 505	640	4
8P1	07.03 - 08.04	BDB	6	3.2		● 0 258 017 176		750	5
						● 0 258 017 180		1220	5
		Chass.no →8P..4..200 000	6	3.2	07.03 - 05.04	▲ 0 258 010 036	0 258 986 602	750	4
						▲ 0 258 010 036	0 258 986 602	750	4
		Chass.no 8P..5..000 001→	6	3.2	06.04 - 08.04	▲ 0 258 006 683	0 258 986 602	540	4
						▲ 0 258 006 835	0 258 986 602	690	4
8PA	09.04 - 10.05	AXX	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4





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8PA	09.04 - 10.05	BMJ	6	3.2	ID Black	● 0 258 017 176		750	5
					ID Brown	▲ 0 258 006 683	0 258 986 602	540	4
						● 0 258 017 180		1220	5
						▲ 0 258 006 835	0 258 986 602	690	4
8P1	09.04 - 10.05	BMJ	6	3.2	ID Black	● 0 258 017 176		750	5
					ID Brown	▲ 0 258 006 683	0 258 986 602	540	4
						● 0 258 017 180		1220	5
						▲ 0 258 006 835	0 258 986 602	690	4
8PA	11.05 - 05.09	BWA	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4
		BUB <D6D>	6	3.2	ID Black	● 0 258 017 086		710	5
					ID Brown	▲ 0 258 006 683	0 258 986 602	540	4
						● 0 258 017 180		1220	5
						▲ 0 258 006 835	0 258 986 602	690	4
	07.08→	CCZA <D2L>	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4

A4

8D2, B5	11.94 - 07.98	AEB	4	1.8		▲ 0 258 003 842	0 258 986 505	750	4
					08.97 - 07.98	● 0 258 005 160	0 258 986 505	1370	4
		Chass.no →8D-T 300 000	4	1.8	11.94 - 06.96	● 0 258 006 014	0 258 986 615	1150	4
						● 0 258 003 740	0 258 986 505	1170	4
		Chass.no 8D-V 000 001→ 8D-V 400 000	4	1.8	07.96 - 07.97				
						● 0 258 003 524	0 258 986 502	440	3
	11.94 - 04.99	ABC	6	2.6					
						● 0 258 003 478	0 258 986 505	1010	4
		ADR	4	1.8	11.94 - 12.98	● 0 258 006 978	0 258 986 615	1760	4
						● 0 258 003 759	0 258 986 507	550	4
	03.96 - 12.98	ACK	6	2.8		● 0 258 003 759	0 258 986 507	550	4
						● 0 258 005 160	0 258 986 505	1370	4
	08.97 - 07.98	AGA; ALF	6	2.4		● 0 258 010 073	0 258 986 615	1700	4
						● 0 258 010 073	0 258 986 615	1700	4
	08.97 - 12.98	AJL	4	1.8		● 0 258 010 032	0 258 986 615	750	4
						▲ 0 258 006 978	0 258 986 615	1760	4
	08.98 - 07.99	APS	6	2.4		▲ 0 258 006 978	0 258 986 615	1760	4
						● 0 258 010 032	0 258 986 615	750	4
	08.98 - 06.00	APR	6	2.8		▲ 0 258 006 978	0 258 986 615	1760	4
						▲ 0 258 006 978	0 258 986 615	1760	4
	06.00 - 10.00	AMM	6	2.4		● 0 258 007 090		1200	5
						▲ 0 258 010 032	0 258 986 615	750	4
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
8E2, B6	12.00 - 12.04	ALT	4	2.0		● 0 258 007 090		1200	5
						▲ 0 258 010 032	0 258 986 615	750	4
		ASN	6	3.0		● 0 258 007 353		750	5
						▲ 0 258 006 978	0 258 986 615	1760	4
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
	04.01 - 12.04	BBJ	6	3.0		● 0 258 007 353		750	5
						▲ 0 258 006 978	0 258 986 615	1760	4
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
	09.01 - 12.04	BDV	6	2.4		● 0 258 010 032	0 258 986 615	750	4
						▲ 0 258 006 978	0 258 986 615	1760	4
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
8H7, B6	04.02 - 12.05	BFB	4	1.8		● 0 258 007 090		1200	5
						▲ 0 258 010 032	0 258 986 615	750	4
		BBJ	6	3.0		● 0 258 007 353		750	5
						▲ 0 258 006 978	0 258 986 615	1760	4
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
8E2, B6	07.02 - 12.04	BFB	4	1.8		● 0 258 007 090		1200	5
						▲ 0 258 010 032	0 258 986 615	750	4
	11.02 - 12.04	BEX	4	1.8		● 0 258 007 090		1200	5
						▲ 0 258 010 032	0 258 986 615	750	4
	04.03 - 02.07	BDV	6	2.4		● 0 258 010 032	0 258 986 615	750	4
						▲ 0 258 006 978	0 258 986 615	1760	4
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
8EC, B7	11.04 - 08.05	BGB	4	2.0		● 0 258 017 180		1220	5
						▲ 0 258 006 986	0 258 986 602	1290	4



8EC, B7	11.04 - 05.06	BBJ	6	3.0		● 0258 007 353		750	5	
					Left side	▲ 0258 006 978	0258 986 615	1760	4	
					Right side	▲ 0258 006 978	0258 986 615	1760	4	
	11.04 - 06.08	BFB	4	1.8		● 0258 007 090		1200	5	
						▲ 0258 010 032	0258 986 615	750	4	
					ALT	4	2.0	● 0258 007 090		1200
					▲ 0258 010 032	0258 986 615	750	4		
	01.05 - 06.08	AUK	6	3.2	Left side	▲	0258 986 602			
					Right side	▲ 0258 986 602		690	4	
	09.05 - 06.08	BWE	4	2.0		● 0258 017 180		1220	5	
					▲ 0258 006 986	0258 986 602	1290	4		
8HE, B7	01.06 - 03.09	BFB	4	1.8		● 0258 007 090		1200	5	
						▲ 0258 010 032	0258 986 615	750	4	
						● 0258 017 180		1220	5	
					▲ 0258 006 986	0258 986 602	1290	4		
	AUK	6	3.2	Left side	▲	0258 986 602				
				Right side	▲ 0258 986 602		690	4		
	8K2, B8	11.07 - 05.08	CAMA <D4V>	6	2.7		● 0281 004 148		750	5
		11.07→	CAGA <D92>; CAGB <D94>	4	2.0		● 0281 004 083		490	5
		06.08→	CDHB <D67>	4	1.8		● 0258 017 178		750	5
							▲ 0258 010 038	0258 986 602	750	4
						● 0258 017 178		750	5	
		CDNB <D64>	4	2.0		▲ 0258 010 038	0258 986 602	750	4	
						● 0281 004 148		750	5	
						● 0258 017 178		750	5	
11.09→		CFKA <D64>	4	2.0		● 0258 017 178		750	5	
						▲ 0258 010 038	0258 986 602	750	4	
A4 Avant										
8D5, B5	11.94 - 07.98	ABC	6	2.6		● 0258 003 524	0258 986 502	440	3	
	11.94 - 04.99	ADR								
			Chass.no →8D..X..199 999	4	1.8	11.94 - 12.98	● 0258 003 478	0258 986 505	1010	4
			Chass.no 8D..X..200 001→	4	1.8	01.99 - 04.99	● 0258 006 978	0258 986 615	1760	4
	10.95 - 07.98	AEB	4	1.8		▲ 0258 003 842	0258 986 505	750	4	
						08.97 - 07.98	● 0258 005 160	0258 986 505	1370	4
					Chass.no →8D-T 300 000	4	1.8	10.95 - 06.96	● 0258 006 014	0258 986 615
		Chass.no 8D-V 000 001→	4	1.8	07.96 - 07.97	● 0258 003 740	0258 986 505	1170	4	
		8D-V 400 000								
	03.96 - 07.98	ACK	6	2.8		● 0258 003 759	0258 986 507	550	4	
	08.97 - 07.98	AGA	6	2.4		● 0258 003 759	0258 986 507	550	4	
	08.97 - 09.01	AJL	4	1.8		● 0258 005 160	0258 986 505	1370	4	
	08.98 - 06.00	APS	6	2.4		● 0258 010 073	0258 986 615	1700	4	
	08.98 - 09.01	APU								
			Chass.no →8D-X 199 999	4	1.8	08.98 - 12.98	● 0258 005 160	0258 986 505	1370	4
			Chass.no 8D..X..200 001→	4	1.8	01.99 - 09.01	● 0258 006 978	0258 986 615	1760	4
	06.00 - 09.01	AMM	6	2.4		● 0258 010 032	0258 986 615	750	4	
					Left side	▲ 0258 006 978	0258 986 615	1760	4	
					Right side	▲ 0258 006 978	0258 986 615	1760	4	
	8E5, B6	09.01 - 12.04	ALT	4	2.0		● 0258 007 090		1200	5
		BFB	4	1.8		▲ 0258 010 032	0258 986 615	750	4	
						● 0258 007 090		1200	5	
11.02 - 12.04		BEX	4	1.8		▲ 0258 010 032	0258 986 615	750	4	
						● 0258 007 090		1200	5	
					▲ 0258 010 032	0258 986 615	750	4		
8ED, B7	11.04 - 08.05	BGB	4	2.0		● 0258 017 180		1220	5	
	11.04 - 06.08	BFB	4	1.8		▲ 0258 006 986	0258 986 602	1290	4	
						● 0258 007 090		1200	5	
						▲ 0258 010 032	0258 986 615	750	4	
		ALT	4	2.0		● 0258 007 090		1200	5	
					▲ 0258 010 032	0258 986 615	750	4		
	06.05 - 06.08	BRE	4	2.0		● 0281 004 150		1215	5	
	04.08→	CAGA <D92>	4	2.0		● 0281 004 083		490	5	



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8K5, B8	06.08→	CDHB <D67>	4	1.8	● 0 258 017 178		750	5
					▲ 0 258 010 038	0 258 986 602	750	4
		CDNB <D64>; CDNC <D2D>	4	2.0	● 0 258 017 178		750	5
					▲ 0 258 010 038	0 258 986 602	750	4
		CGKA	6	2.7	● 0 281 004 148		750	5

A4 Quattro

8D2, B5	11.94 - 07.98	ABC	6	2.6		● 0 258 003 524	0 258 986 502	440	3	
	11.94 - 12.98	AEB	4	1.8	08.97 - 12.98	● 0 258 005 160	0 258 986 505	1370	4	
		Chass.no →8D-T 300 000	4	1.8	11.94 - 06.96	● 0 258 006 014	0 258 986 615	1150	4	
		Chass.no 8D-V 000 001→	4	1.8	07.96 - 07.97	● 0 258 003 740	0 258 986 505	1170	4	
		8D-V 400 000								
	11.94 - 04.99	ADR								
		Chass.no →8D..X..199 999	4	1.8	11.94 - 12.98	● 0 258 003 478	0 258 986 505	1010	4	
		Chass.no 8D..X..200 001→	4	1.8	01.99 - 04.99	● 0 258 006 978	0 258 986 615	1760	4	
	03.96 - 07.98	ACK	6	2.8		● 0 258 003 759	0 258 986 507	550	4	
	08.97 - 07.98	AGA	6	2.4		● 0 258 003 759	0 258 986 507	550	4	
	08.97 - 10.00	AJL	4	1.8		● 0 258 005 160	0 258 986 505	1370	4	
	02.99 - 06.00	APR	6	2.8		● 0 258 010 073	0 258 986 615	1700	4	
02.99 - 10.00	APS	6	2.4		● 0 258 010 073	0 258 986 615	1700	4		
8E2, B6	12.00 - 12.04	ASN	6	3.0		● 0 258 007 353		750	5	
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4	
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4	
	03.01 - 12.04	BBJ	6	3.0		● 0 258 007 353		750	5	
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4	
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4	
	07.02 - 12.04	BFB	4	1.8		● 0 258 007 090		1200	5	
						▲ 0 258 010 032	0 258 986 615	750	4	
8EC, B7	11.04 - 08.05	BGB	4	2.0		● 0 258 017 180		1220	5	
						▲ 0 258 006 986	0 258 986 602	1290	4	
	11.04 - 05.06	BBJ	6	3.0		● 0 258 007 353		750	5	
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4	
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4	
	11.04 - 06.08	BFB	4	1.8		● 0 258 007 090		1200	5	
						▲ 0 258 010 032	0 258 986 615	750	4	
	09.05 - 06.08	BWE	4	2.0		● 0 258 017 180		1220	5	
						▲ 0 258 006 986	0 258 986 602	1290	4	
	01.06 - 06.08	ASB	6	3.0		● 0 281 004 150		1215	5	
8K2, B8	06.08→	CDNC <D2D>	4	2.0		● 0 258 017 178		750	5	
						▲ 0 258 010 038	0 258 986 602	750	4	
		CCWA <D50>	6	3.0		● 0 281 004 148		750	5	
	11.09→	CCLA	6	3.0		● 0 281 004 148		750	5	

A4 Quattro Avant

8D5, B5	11.94 - 07.98	ABC	6	2.6	● 0 258 003 524	0 258 986 502	440	3	
	11.94 - 04.99	ADR							
		Chass.no →8D..X..199 999	4	1.8	11.94 - 12.98	● 0 258 003 478	0 258 986 505	1010	4
		Chass.no 8D..X..200 001→	4	1.8	01.99 - 04.99	● 0 258 006 978	0 258 986 615	1760	4
	03.96 - 07.98	ACK	6	2.8	● 0 258 003 759	0 258 986 507	550	4	
	08.97 - 09.01	AJL	4	1.8	● 0 258 005 160	0 258 986 505	1370	4	
	08.98 - 09.01	APS	6	2.4	● 0 258 010 073	0 258 986 615	1700	4	
8E5, B6	09.01 - 06.02	AVJ	4	1.8	● 0 258 007 090		1200	5	
					▲ 0 258 010 032	0 258 986 615	750	4	
8ED, B7	11.04 - 08.05	BGB	4	2.0	● 0 258 017 180		1220	5	
					▲ 0 258 006 986	0 258 986 602	1290	4	
	09.05 - 06.08	BWE	4	2.0	● 0 258 017 180		1220	5	
					▲ 0 258 006 986	0 258 986 602	1290	4	
8K5, B8	06.08→	CDNC <D2D>	4	2.0	● 0 258 017 178		750	5	
					▲ 0 258 010 038	0 258 986 602	750	4	



A4 1.8 TFSI									
8K2, B8	11.11→	CJEB <D6J>	4	1.8		● 0 258 027 052			
						▲ 0 258 010 282			
A4 1.8 TFSI Avant									
8K5, B8	11.11→	CJEB <D6J>	4	1.8		● 0 258 027 052			
						▲ 0 258 010 282			
A4 2.0 TDI									
8K2, B8	11.11→	CGLC <DE2>	4	2.0		● 0 281 004 148		750	5
A4 2.0 TDI Avant									
8K5, B8	11.11→	CGLC <DE2>	4	2.0		● 0 281 004 148		750	5
A4 3.0 TDI									
8K2, B8	11.11→	CLAB <D1Q>	6	3.0		● 0 281 004 148		750	5
A4 3.0 TDI Avant									
8K5, B8	11.11→	CLAB <D1Q>	6	3.0		● 0 281 004 148		750	5
A4 3.0 TDI quattro									
8K2, B8	11.11→	CDUC <D43>	6	3.0		● 0 281 004 148		750	5
A5									
8T3	09.08→	CDNB <D64>	4	2.0		● 0 258 017 178		750	5
						▲ 0 258 010 038	0 258 986 602	750	4
	08.11→	CJEB <D6J>	4	1.8		● 0 258 027 052			
						▲ 0 258 010 282			
		CGLC <DE2>	4	2.0		● 0 281 004 148		750	5
A5 Cabriolet									
8F7	09.11→	CJEB <D6J>	4	1.8		● 0 258 027 052			
						▲ 0 258 010 282			
	10.11→	CGLC <DE2>	4	2.0		● 0 281 004 148		750	5
A5 Cabriolet quattro									
8F7	03.09→	CDNC <D2D>	4	2.0		▲ 0 258 010 038	0 258 986 602	750	4
		PR-no. 7GA	4	2.0		● 0 258 017 178		750	5
		CCWA <D50>	6	3.0		● 0 281 004 148		750	5
	10.11→	CDUC <D43>	6	3.0		● 0 281 004 148		750	5
A5 Coupe quattro									
8T3	03.08→	CCWA <D50>	6	3.0		● 0 281 004 148		750	5
A5 Quattro									
8T3	06.08→	CDNC <D2D>	4	2.0		● 0 258 017 178		750	5
						▲ 0 258 010 038	0 258 986 602	750	4
	08.11→	CDUC <D43>	6	3.0		● 0 281 004 148		750	5
A5 Sportback									
8TA	08.11→	CJEB <D6J>	4	1.8		● 0 258 027 052			
						▲ 0 258 010 282			
		CGLC <DE2>	4	2.0		● 0 281 004 148		750	5
A5 Sportback Quattro									
8TA	09.09→	CDNC <D2D>	4	2.0		● 0 258 017 178		750	5
						▲ 0 258 010 038	0 258 986 602	750	4
		CCWA <D50>	6	3.0		● 0 281 004 148		750	5
	08.11→	CDUC <D43>	6	3.0		● 0 281 004 148		750	5





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A6												
4A2, C4	06.94 - 10.97	ABC	6	2.6		●	0 258 003 508	0 258 986 502	506	3		
		AAH	6	2.8		●	0 258 003 396	0 258 986 502	726	3		
4B2, C5	04.97 - 07.98	ACK	6	2.8		●	0 258 003 759	0 258 986 507	550	4		
	04.97 - 01.99	AGA										
		Chass.no →4B..X..067 801	6	2.4	04.97 - 12.98	●	0 258 003 759	0 258 986 507	550	4		
		Chass.no 4B..X..068 801→	6	2.4	12.98 - 01.99	●	0 258 010 073	0 258 986 615	1700	4		
	11.98 - 04.01	APS										
		Chass.no →4B..X..067 801	6	2.4	11.98 - 12.98	●	0 258 003 759	0 258 986 507	550	4		
		Chass.no 4B..X..068 801→	6	2.4	12.98 - 04.01	●	0 258 010 073	0 258 986 615	1700	4		
		APR										
		Chass.no →4B..X..067 801	6	2.8	11.98 - 12.98	●	0 258 003 759	0 258 986 507	550	4		
		Chass.no 4B..X..068 801→	6	2.8	12.98 - 04.01	●	0 258 010 073	0 258 986 615	1700	4		
		06.01 - 05.04	BDV	6	2.4		●	0 258 010 032	0 258 986 615	750	4	
			Left side				▲	0 258 006 978	0 258 986 615	1760	4	
	▲						0 258 006 978	0 258 986 615	1760	4		
		ASN; BBJ	6	3.0			●	0 258 010 032	0 258 986 615	750	4	
							▲	0 258 006 978	0 258 986 615	1760	4	
	4F2, C6	04.04 - 05.06	BBJ	6	3.0			●	0 258 007 353		750	5
cyls. 1 - 3								▲	0 258 006 661	0 258 986 602	820	4
cyls. 4 - 6								▲	0 258 006 659	0 258 986 602	820	4
04.04 - 10.08		BDW	6	2.4		▲		0 258 986 507				
		AUK	6	3.2		▲		0 258 986 507				
06.05→		BPJ <D6G>	4	2.0			●	0 258 017 180		1220	5	
							▲	0 258 006 986	0 258 986 602	1290	4	
11.06 - 10.08		BDX	6	2.8		▲		0 258 986 507				
10.08→		CAHA <D93>	4	2.0		●	0 281 004 083		490	5		
		CANA <D4V>	6	2.7		●	0 281 004 148		750	5		
A6 Avant												
4A5, C4		06.94 - 06.96	ABC	6	2.6		●	0 258 003 508	0 258 986 502	506	3	
4B5, C5	04.97 - 01.99	AGA										
		Chass.no →4B..X..067 801	6	2.4	04.97 - 12.98	●	0 258 003 759	0 258 986 507	550	4		
		Chass.no 4B..X..068 801→	6	2.4	12.98 - 01.99	●	0 258 010 073	0 258 986 615	1700	4		
	02.98 - 07.98	ACK	6	2.8		●	0 258 003 759	0 258 986 507	550	4		
	11.98 - 06.00	APS										
		Chass.no →4B..X..067 801	6	2.4	11.98 - 12.98	●	0 258 003 759	0 258 986 507	550	4		
4F5, C6	03.05 - 10.08	BDW	6	2.4		▲		0 258 986 507				
		BPJ <D6G>	4	2.0		●	0 258 017 180		1220	5		
	06.05→					▲	0 258 006 986	0 258 986 602	1290	4		
						●	0 281 004 148		750	5		
4FH, C6	05.06 - 10.08	ASB <D1D>	6	3.0		●	0 281 004 148		750	5		
A6 Quattro												
4A2, C4	06.94 - 10.97	ABC	6	2.6		●	0 258 003 508	0 258 986 502	506	3		
		AAH	6	2.8		●	0 258 003 396	0 258 986 502	726	3		
4B2, C5	04.97 - 12.98	ACK	6	2.8		●	0 258 003 759	0 258 986 507	550	4		
	11.98 - 06.99	APS										
		Chass.no →4B..X..067 801	6	2.4	11.98 - 12.98	●	0 258 003 759	0 258 986 507	550	4		
		Chass.no 4B..X..068 801→	6	2.4	12.98 - 06.99	●	0 258 010 073	0 258 986 615	1700	4		
	01.99 - 05.01	APR	6	2.8		●	0 258 010 073	0 258 986 615	1700	4		
	4B4, C5	04.99 - 05.01	ARS	8	4.2		●	0 258 010 073	0 258 986 615	1700	4	
06.00 - 05.04		ASG	8	4.2		●	0 258 010 073	0 258 986 615	1700	4		
		Left side					▲	0 258 006 314	0 258 986 615	1450	4	
							▲	0 258 006 371	0 258 986 615	1350	4	
4B2, C5	06.01 - 05.04	ASN	6	3.0		●	0 258 010 032	0 258 986 615	750	4		
		Left side					▲	0 258 006 978	0 258 986 615	1760	4	
							▲	0 258 006 978	0 258 986 615	1760	4	
4F2, C6	04.04 - 05.06	BBJ	6	3.0		●	0 258 007 353		750	5		
		cyls. 1 - 3					▲	0 258 006 661	0 258 986 602	820	4	
							▲	0 258 006 659	0 258 986 602	820	4	



4F2, C6	04.04 - 05.06	BMK	6	3.0		● 0 281 004 148		750	5
		BAT	8	4.2		● 0 258 007 256		480	5
					cyls. 1 - 4	▲ 0 258 006 661	0 258 986 602	820	4
					cyls. 5 - 8	▲ 0 258 006 659	0 258 986 602	820	4
	04.04 - 10.08	AUK	6	3.2		▲	0 258 986 507		
	06.06 - 10.08	ASB	6	3.0		● 0 281 004 148		750	5
	06.06 →	BVJ <MN5>	8	4.2		● 0 258 007 256		480	5
						▲ 0 258 010 036	0 258 986 602	750	4
	11.06 - 10.08	BDX	6	2.8		▲	0 258 986 507		
	10.08 →	CCEA <DB3>	6	2.8	cyls. 1 - 3	▲	0 258 986 507		
					cyls. 4 - 6	▲	0 258 986 507		
		CAJA <D12>	6	3.0	cyls. 1 - 3	▲	0 258 986 507		
					cyls. 4 - 6	▲	0 258 986 507		
		CDYA <D50>; CDYC <D50>	6	3.0		● 0 281 004 148		750	5

A6 Quattro Avant

4B5, C5	02.98 - 12.98	ACK	6	2.8		● 0 258 003 759	0 258 986 507	550	4
	11.98 - 06.99	APS							
		Chass.no → 4B..X..067 801	6	2.4	11.98 - 12.98	● 0 258 003 759	0 258 986 507	550	4
		Chass.no 4B..X..068 801 →	6	2.4	12.98 - 06.99	● 0 258 010 073	0 258 986 615	1700	4
4BH, C5	05.00 - 06.02	ARE	6	2.7	05.00 - 06.01	● 0 258 010 073	0 258 986 615	1700	4
						▲ 0 258 006 314	0 258 986 615	1450	4
						▲ 0 258 010 073	0 258 986 615	1700	4
		Chass.no 4B..2..000 001 →	6	2.7	07.01 - 06.02	● 0 258 010 032	0 258 986 615	750	4
						▲ 0 258 006 978	0 258 986 615	1760	4
						▲ 0 258 006 978	0 258 986 615	1760	4
						● 0 258 010 032	0 258 986 615	750	4
	07.02 - 08.05	BES	6	2.7	Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
						● 0 258 007 353		750	5
		BAS	8	4.2	Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
						▲ 0 258 006 978	0 258 986 615	1760	4

4F5, C6	03.05 - 10.08	AUK	6	3.2		▲	0 258 986 507		
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A6 2.0 FSI Avant

4G5, C7	06.11 →	CDNB <D64>	4	2.0		● 0 258 017 178		750	5
						▲ 0 258 010 038	0 258 986 602	750	4

A6 2.0 TDI Avant

4G5, C7	05.11 →	CGLC <DE2>	4	2.0		● 0 281 004 148		750	5
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A8

4D2, D2	06.94 - 03.96	AAH	6	2.8		● 0 258 003 396	0 258 986 502	726	3
	07.95 - 12.98	AEW	8	3.7		● 0 258 003 842	0 258 986 505	750	4
						▲ 0 258 003 823	0 258 986 505	880	4
	05.97 - 12.98	AKJ	8	3.7	05.97 - 10.98	● 0 258 003 842	0 258 986 505	750	4
					10.98 - 12.98	● 0 258 006 159	0 258 986 615	420	4

A8 Quattro

4D2, D2	06.94 - 12.98	ABZ	8	4.2		▲ 0 258 003 823	0 258 986 505	880	4
					06.94 - 10.98	● 0 258 003 842	0 258 986 505	750	4
					10.98 - 12.98	● 0 258 006 159	0 258 986 615	420	4
	10.98 - 02.01	AQF	8	4.2		● 0 258 006 159	0 258 986 615	420	4
					Left side	▲ 0 258 006 406	0 258 986 615	1635	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4
						● 0 258 007 351		1510	5
4E, D3	11.02 - 05.06	BFL	8	3.7	Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	● 0 258 007 351		1510	5
						▲ 0 258 006 527	0 258 986 615	910	4





◀ AUDI

4E, D3	11.02 - 05.06	BFM	8	4.2	Left side	● 0 258 007 351		1510	5
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
						● 0 258 007 351		1510	5
						▲ 0 258 006 527	0 258 986 615	910	4
01.04 - 07.10	ASB		6	3.0		● 0 281 004 150		1215	5
02.04 - 07.10	BHT		12	6.0	cyls. 1 - 3	▲ 0 258 006 982	0 258 986 602	1720	4
					cyls. 4 - 6	▲ 0 258 006 665	0 258 986 602	1640	4
					cyls. 7 - 9	▲ 0 258 006 982	0 258 986 602	1720	4
					cyls. 10 - 12	▲ 0 258 006 669	0 258 986 602	1700	4
		Chass.no →4E..7..017 624	12	6.0	02.04 - 03.07	cyls. 1 - 3	● 0 258 007 359	900	5
						cyls. 4 - 6	● 0 258 007 357	750	5
						cyls. 7 - 9	● 0 258 007 361	1720	5
						cyls. 10 - 12	● 0 258 007 361	1720	5
		Chass.no 4E..7..017 625→	12	6.0	04.07 - 07.10	cyls. 1 - 3	● 0 258 007 363	1720	5
						cyls. 4 - 6	● 0 258 007 363	1720	5
						cyls. 7 - 9	● 0 258 007 363	1720	5
						cyls. 10 - 12	● 0 258 007 363	1720	5
07.05 - 07.10	BNV		8	4.2	Left side	● 0 281 004 150		1215	5
					Right side	● 0 281 004 150		1215	5
06.06 - 07.10	BVJ <MN5>		8	4.2	cyls. 1 - 4	● 0 258 007 363		1720	5
						▲ 0 258 010 036	0 258 986 602	750	4
					cyls. 5 - 8	● 0 258 007 363		1720	5
						▲ 0 258 006 797	0 258 986 602	715	4

Cabriolet

8G7, B4	01.93 - 09.98	ABK	4	2.0	w/catalytic converter	● 0 258 003 957	0 258 986 502	1236	3
					w/o catalytic converter	● 0 258 003 995	0 258 986 504	989	3
	01.94 - 08.00	ABC	6	2.6		● 0 258 003 508	0 258 986 502	506	3

Q5

8RB	11.08 - 09.10	CAHA <D93>	4	2.0		● 0 281 004 083		490	5
	11.08 - 09.12	CDNC <D2D>	4	2.0		● 0 258 017 178		750	5
						▲ 0 258 010 038	0 258 986 602	750	4
		CCWA <D50>	6	3.0		● 0 281 004 148		750	5

Q7

4LB	03.06 - 05.10	BAR <T8T>	8	4.2	Left side	● 0 258 007 361		1720	5
					Right side	▲ 0 258 006 984	0 258 986 602	1320	4
						● 0 258 007 361		1720	5
						▲ 0 258 006 984	0 258 986 602	1320	4
08.06 - 05.08	BUG <D1D>		6	3.0		● 0 281 004 148		750	5
03.07 - 06.09	BTR <D1S>								
		Chass.no →4L..7..150 000	8	4.2	03.07 - 05.07	Left side	● 0 281 004 148	750	5
						Right side	● 0 281 004 150	1215	5
		Chass.no 4L..8..000 001→	8	4.2	06.07 - 06.09	Left side	● 0 281 004 148	750	5
						Right side	● 0 281 004 150	1215	5
03.07 - 05.10	BHK <D3B>		6	3.6	Left side	● 0 258 017 178		750	5
						▲ 0 258 010 036	0 258 986 602	750	4
					Right side	● 0 258 017 176		750	5
						▲ 0 258 010 036	0 258 986 602	750	4
09.07 - 05.10	CASA <D50>		6	3.0		● 0 281 004 148		750	5
06.09 - 05.11	CCMA <D50>		6	3.0		● 0 281 004 148		750	5

RS4

8D5, B5	05.00 - 10.00	ASJ	6	2.7		● 0 258 010 073	0 258 986 615	1700	4
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4
11.00 - 09.01	AZR		6	2.7		● 0 258 010 073	0 258 986 615	1700	4
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4

											
8ED, B7	05.06 - 06.08	BNS	8	4.2	cyls. 1 - 4	● 0 258 007 363			1720	5	
						▲ 0 258 006 683	0 258 986 602	540	4		
						● 0 258 007 363		1720	5		
						▲ 0 258 006 835	0 258 986 602	690	4		
RS5											
8T3	03.10→	CFSA	8	4.2		● 0 258 017 215					
						▲ 0 258 010 036	0 258 986 602	750	4		
RS6											
4B6	05.02 - 04.04	BCY	8	4.2		● 0 258 010 073	0 258 986 615	1700	4		
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4		
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4		
4B4	07.02 - 04.04	BCY	8	4.2		● 0 258 010 073	0 258 986 615	1700	4		
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4		
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4		
4B6	04.04 - 09.04	BRV	8	4.2		● 0 258 010 073	0 258 986 615	1700	4		
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4		
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4		
4F2, C6	09.08→	BUH	10	5.0	cyls. 1 - 5, 4-pin connection	● 0 258 006 986	0 258 986 602	1290	4		
					cyls. 1 - 5, 6-pin connection	● 0 258 007 326		800	5		
					cyls. 6 - 10, 4-pin connection	● 0 258 006 986	0 258 986 602	1290	4		
					cyls. 6 - 10, 6-pin connection	● 0 258 007 324		640	5		
R8 Quattro											
423	04.07 - 09.10	BYH	8	4.2	cyls. 1 - 4	● 0 258 007 326		800	5		
						▲ 0 258 006 986	0 258 986 602	1290	4		
					cyls. 5 - 8	● 0 258 007 363		1720	5		
						▲ 0 258 006 986	0 258 986 602	1290	4		
	04.09→	BUJ	10	5.2	cyls. 1 - 5	● 0 258 017 178		750	5		
						▲ 0 258 006 986	0 258 986 602	1290	4		
					cyls. 6 - 10	● 0 281 004 148		750	5		
				▲ 0 258 006 986	0 258 986 602	1290	4				
429	09.10→	CNDA <DH6>	8	4.2		▲ 0 258 006 986	0 258 986 602	1290	4		
					cyls. 1 - 4	● 0 258 007 326		800	5		
					cyls. 5 - 8	● 0 281 004 150		1215	5		
S2											
8C2, B4	02.93 - 05.95	ABY	5	2.2		● 0 258 003 957	0 258 986 502	1236	3		
S3											
8L1	08.98 - 08.00	APY	4	1.8		● 0 258 006 332	0 258 986 615	480	4		
						▲ 0 258 010 032	0 258 986 615	750	4		
	08.01 - 06.03	BAM	4	1.8		● 0 258 007 353		750	5		
						▲ 0 258 006 334	0 258 986 615	760	4		
8P1	11.06 - 06.08	BHZ	4	2.0		● 0 258 017 270		600	5		
						▲ 0 258 006 986	0 258 986 602	1290	4		
	02.07 - 06.08	BZC	4	2.0		● 0 258 017 270		600	5		
						▲ 0 258 006 986	0 258 986 602	1290	4		
	07.08→	CDLC <D81>	4	2.0		● 0 258 017 270		600	5		
						▲ 0 258 006 986	0 258 986 602	1290	4		
S4											
4A2, C4	07.92 - 07.94	AAN	5	2.2	w/catalytic converter	● 0 258 003 957	0 258 986 502	1236	3		
					w/o catalytic converter	● 0 258 003 995	0 258 986 504	989	3		





◀ AUDI

8D2, B5	10.97 - 10.00	AGB	6	2.7		● 0 258 010 073	0 258 986 615	1700	4
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4
8D5, B5	10.97 - 09.01	AGB	6	2.7		● 0 258 010 073	0 258 986 615	1700	4
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4
8E2, B6	03.03 - 12.04	BBK	8	4.2		● 0 258 007 353		750	5
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
8E5, B6	03.03 - 12.04	BBK	8	4.2		● 0 258 007 353		750	5
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
8H7, B7	02.04 - 12.05	BBK	8	4.2		● 0 258 007 353		750	5
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
8ED, B7	11.04 - 06.08	BBK	8	4.2		● 0 258 007 353		750	5
					Left side	▲ 0 258 006 978	0 258 986 615	1760	4
					Right side	▲ 0 258 006 978	0 258 986 615	1760	4
S5									
8T3	06.07 - 09.11	CAUA <D0A>	8	4.2		● 0 258 007 330		310	5
						▲ 0 258 010 036	0 258 986 602	750	4
S6									
4B4, C5	09.99 - 05.01	AQJ	8	4.2		● 0 258 010 073	0 258 986 615	1700	4
	06.01 - 05.04	ANK	8	4.2		● 0 258 010 073	0 258 986 615	1700	4
					Left side	▲ 0 258 010 073	0 258 986 615	1700	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4
4F2, C6	06.06 - 08.11	BXA <D75>	10	5.2	cyls. 1 - 3	▲ 0 258 010 036	0 258 986 602	750	4
					cyls. 4 & 5	▲ 0 258 010 036	0 258 986 602	750	4
					cyls. 6 - 8	▲ 0 258 006 891	0 258 986 602	580	4
					cyls. 9 & 10	▲ 0 258 006 893	0 258 986 602	850	4
						▲ 0 258 006 893	0 258 986 602	850	4
						● 0 258 007 330		310	5
						● 0 258 007 326		800	5
						● 0 258 007 328		340	5
	PR-no. 0GG	10	5.2	ID Black,cyls. 1 - 3	● 0 258 007 330			310	5
				ID Black,cyls. 4 & 5	● 0 258 007 326			800	5
				ID Brown,cyls. 6 - 8	● 0 258 007 328			340	5
				ID Brown,cyls. 9 & 10	● 0 258 007 324			640	5
					● 0 258 007 324			640	5
					● 0 258 007 324			640	5
					● 0 258 017 151			800	5
					● 0 258 017 178			750	5
PR-no. 7GA	10	5.2	ID Grey,cyls. 9 & 10	● 0 258 017 155			640	5	
				● 0 258 017 155			640	5	
S8									
4D2	09.96 - 12.98	AHC	8	4.2		● 0 258 003 842	0 258 986 505	750	4
	09.00 - 09.02	AVP	8	4.2		● 0 258 006 159	0 258 986 615	420	4
						▲ 0 258 006 281	0 258 986 615	880	4
4E2	06.06 - 07.10	BSM	10	5.2	cyls. 1 - 5	▲ 0 258 010 036	0 258 986 602	750	4
					cyls. 6 - 10	▲ 0 258 010 036	0 258 986 602	750	4
					ID Black,cyls. 1 - 3	● 0 258 007 256		480	5
					ID Black,cyls. 4 & 5	● 0 258 007 363		1720	5
					ID Black,cyls. 6 - 8	● 0 258 007 320		480	5
					ID Brown,cyls. 9 & 10	● 0 258 007 363		1720	5
					ID Green,cyls. 1 - 3	● 0 258 017 178		750	5
					ID Green,cyls. 4 & 5	● 0 258 017 182		1720	5
					ID Grey,cyls. 6 - 8	● 0 258 017 178		750	5
					ID Grey,cyls. 9 & 10	● 0 258 017 182		1720	5
						● 0 258 017 182		1720	5
						● 0 258 017 182		1720	5
TT									
8N3	07.98 - 08.00	AJQ	4	1.8		● 0 258 006 978	0 258 986 615	1760	4
						0 258 010 032	0 258 986 615	750	4
	07.98 - 08.01	APX	4	1.8		● 0 258 006 332	0 258 986 615	480	4
						▲ 0 258 010 032	0 258 986 615	750	4
	09.00 - 05.05	ARY	4	1.8		● 0 258 007 351		1510	5
						▲ 0 258 006 334	0 258 986 615	760	4



8N3	09.00 - 06.06	AUQ	4	1.8		● 0 258 007 351		1510	5
					09.00 - 08.02	▲ 0 258 006 978	0 258 986 615	1760	4
					09.02 - 06.06	▲ 0 258 006 978	0 258 986 615	1760	4
	01.01 - 06.06	AUM	4	1.8	BAM	● 0 258 007 353		750	5
					Chass.no →8N..1..034 000	▲ 0 258 006 296	0 258 986 615	900	4
					Chass.no 8N..1..034 001→	▲ 0 258 006 334	0 258 986 615	760	4
						● 0 258 007 351		1510	5
8J3	07.06 - 06.10	BWA <D2L>	4	2.0		▲ 0 258 006 978	0 258 986 615	1760	4
					01.01 - 08.02	▲ 0 258 006 978	0 258 986 615	1760	4
					09.02 - 06.06	▲ 0 258 006 978	0 258 986 615	1760	4
	06.08 - 06.10	CBBB <D93>	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4
						● 0 281 004 148		750	5
						● 0 258 017 270		600	5
	06.08→	CDA A <D67>	4	1.8		▲ 0 258 006 986	0 258 986 602	1290	4

TT Quattro

8N3	07.03 - 06.06	BHE	6	3.2	ID Black	● 0 258 007 237		1300	5
					ID Brown	▲ 0 258 010 034	0 258 986 602	750	4
						● 0 258 007 235		1440	5
						▲ 0 258 006 589	0 258 986 602	870	4
8J3	07.06 - 06.10	BUB <D6D>	6	3.2		▲ 0 258 006 986	0 258 986 602	1290	4
					ID Black	● 0 258 017 086		710	5
					ID Brown	● 0 258 017 180		1220	5
						● 0 258 017 270		600	5
	05.08→	CDLB <D14>	4	2.0		▲ 0 258 006 986	0 258 986 602	1290	4
						● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4
						● 0 258 017 270		600	5
	06.08 - 06.10	CCTA <D2L>; CCZA <D2L>	4	2.0		▲ 0 258 006 986	0 258 986 602	1290	4
						● 0 258 017 270		600	5
	07.09→	CEPA <D07>	5	2.5		● 0 258 017 151		800	5
						▲ 0 258 010 038	0 258 986 602	750	4

TT Quattro Roadster

8N9	03.99 - 08.01	APX	4	1.8		● 0 258 006 332	0 258 986 615	480	4
						▲ 0 258 010 032	0 258 986 615	750	4
	09.00 - 05.05	ARY	4	1.8		● 0 258 007 351		1510	5
						▲ 0 258 006 334	0 258 986 615	760	4
	09.00 - 06.06	BAM	4	1.8		● 0 258 007 353		750	5
					Chass.no →8N..1..034 000	▲ 0 258 006 296	0 258 986 615	900	4
					Chass.no 8N..1..034 001→	▲ 0 258 006 334	0 258 986 615	760	4
						● 0 258 007 237		1300	5
	07.03 - 06.06	BHE	6	3.2	ID Black	▲ 0 258 010 034	0 258 986 602	750	4
					ID Brown	● 0 258 007 235		1440	5
						▲ 0 258 006 589	0 258 986 602	870	4
						▲ 0 258 006 986	0 258 986 602	1290	4
8J9	02.07 - 06.10	BUB <D6D>	6	3.2		● 0 258 017 086		710	5
					ID Black	● 0 258 017 180		1220	5
					ID Brown	● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4
	05.08→	CDLB <D14>	4	2.0					

TT Roadster

8N9	08.00 - 06.06	AUQ	4	1.8		● 0 258 007 351		1510	5
					08.00 - 08.02	▲ 0 258 006 978	0 258 986 615	1760	4
					09.02 - 06.06	▲ 0 258 006 978	0 258 986 615	1760	4
8J9	02.07 - 06.10	BWA <D2L>	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4

V8 Quattro

44, 4C, D11	09.90 - 12.92	PT	8	3.6	09.90 - 07.91	w/catalytic converter	● 0 258 003 957	0 258 986 502	1236	3
						w/o catalytic converter	● 0 258 003 995	0 258 986 504	989	3
						w/catalytic converter	● 0 258 003 957	0 258 986 502	1236	3
						w/o catalytic converter	● 0 258 003 995	0 258 986 504	989	3





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80											
81, 85, B2	10.80 - 08.83	WE	5	2.2		●	0 258 001 051	0 258 986 501	500	1	
	08.83 - 03.87	JN	4	1.8		●	0 258 001 051	0 258 986 501	500	1	
89, 8A2, B3	09.86 - 12.91	JN	4	1.8		●	0 258 001 051	0 258 986 501	500	1	
	02.87 - 07.88	SD	4	1.9		●	0 258 003 957	0 258 986 502	1236	3	
	08.88 - 10.90	3A	4	2.0	w/catalytic converter	●	0 258 003 957	0 258 986 502	1236	3	
					w/o catalytic converter	●	0 258 003 995	0 258 986 504	989	3	
8C2, B4	09.90 - 11.94	NG	5	2.3		●	0 258 003 957	0 258 986 502	1236	3	
	09.91 - 05.95	ABK	4	2.0	w/catalytic converter	●	0 258 003 957	0 258 986 502	1236	3	
					w/o catalytic converter	●	0 258 003 995	0 258 986 504	989	3	
		AAH									
		Chass.no →8C..N..300 000	6	2.8	09.91 - 07.92		●	0 258 003 508	0 258 986 502	506	3
		Chass.no 8C..P..000 001→	6	2.8	08.92 - 05.95		●	0 258 003 396	0 258 986 502	726	3
	07.92 - 05.95	ABC	6	2.6	w/catalytic converter	●	0 258 003 508	0 258 986 502	506	3	
				w/o catalytic converter	●	0 258 003 396	0 258 986 502	726	3		
80 Quattro											
89, 8A2, B3	09.86 - 07.88	SD	4	1.9		●	0 258 003 957	0 258 986 502	1236	3	
8C2, B4	09.91 - 11.94	NG	5	2.3		●	0 258 003 957	0 258 986 502	1236	3	
	09.91 - 12.94	ABK	4	2.0		●	0 258 003 957	0 258 986 502	1236	3	
	09.91 - 05.95	AAH									
		Chass.no →8C..P..190 000	6	2.8	09.91 - 02.93		●	0 258 003 508	0 258 986 502	506	3
	Chass.no 8C..P..190 001→	6	2.8	03.93 - 05.95		●	0 258 003 396	0 258 986 502	726	3	
07.92 - 05.95	ABC										
	Chass.no →8C..S..025 820	6	2.6	07.92 - 07.94		●	0 258 003 508	0 258 986 502	506	3	
	Chass.no 8C..S..025 821→	6	2.6	08.94 - 05.95		●	0 258 003 396	0 258 986 502	726	3	
90											
89, 8A2, B3	04.87 - 12.91	NG	5	2.3		●	0 258 003 957	0 258 986 502	1236	3	
	08.88 - 12.91	7A	5	2.3		●	0 258 003 957	0 258 986 502	1236	3	
90 Quattro											
89, 8A2, B3	04.87 - 09.91	NG	5	2.3		●	0 258 003 957	0 258 986 502	1236	3	
	07.88 - 09.91	7A	5	2.3		●	0 258 003 957	0 258 986 502	1236	3	
100											
43, C2	04.77 - 07.82	WC	5	2.2		●	0 258 001 051	0 258 986 501	500	1	
44, 44Q, C3	09.84 - 12.90	KU	5	2.2		●	0 258 003 957	0 258 986 502	1236	3	
	08.86 - 08.91	NF	5	2.3		●	0 258 003 957	0 258 986 502	1236	3	
4A2, C4	12.90 - 07.94	AAH	6	2.8	w/catalytic converter	●	0 258 003 508	0 258 986 502	506	3	
					w/o catalytic converter	●	0 258 003 396	0 258 986 502	726	3	
		Chass.no →4A..P..027 920	6	2.8	09.91 - 08.93	2 required	●	0 258 003 508	0 258 986 502	506	3
		Chass.no 4A-P-027 921→	6	2.8	09.92 - 07.94	2 required	●	0 258 003 396	0 258 986 502	726	3
	04.92 - 07.94	ABC	6	2.6	w/catalytic converter	●	0 258 003 508	0 258 986 502	506	3	
					w/o catalytic converter	●	0 258 003 396	0 258 986 502	726	3	
100 Quattro											
44, 44Q, C3	08.84 - 11.90	KU	5	2.2		●	0 258 003 957	0 258 986 502	1236	3	
4A2, C4	03.92 - 07.94	ABC	6	2.6		●	0 258 003 508	0 258 986 502	506	3	
200											
43, C2	08.81 - 09.82	KJ	5	2.2		●	0 258 001 051	0 258 986 501	500	1	
44, C3	08.83 - 09.86	JY	5	2.2		●		0 258 986 501			
	08.85 - 12.91	MC	5	2.2		●	0 258 003 957	0 258 986 502	1236	3	
200 Quattro											
44, C3	01.85 - 12.90	MC	5	2.2		●	0 258 003 957	0 258 986 502	1236	3	



200 2.2										
43, C2	10.79 - 09.82	WC	5	2.2		●	0 258 001 051	0 258 986 501	500	1

200 2.2 Turbo										
43, C2	10.79 - 09.82	WJ	5	2.2		●	0 258 001 051	0 258 986 501	500	1

BENTLEY

Arnage										
	04.02 - 08.08		8	6.8		●	0 258 017 188		860	5
						▲	0 258 010 040			

Brooklands										
	07.92 - 08.97	L 410 MN 1T	8	6.8	Ascertain in vehicle	●	0 258 003 645	0 258 986 505	1035	4
							0 258 003 746	0 258 986 505	600	4

Continental										
	03.91 - 08.99	L 410 IT	8	6.8		●	0 258 003 645	0 258 986 505	1035	4

Continental GT										
	06.03 - 10.10		12	6.0		●	0 258 006 617	0 258 986 602	1520	4

Mulsanne										
	01.81 - 08.87	V8 <OHV>	8	6.8	01.81 - 03.83	●		0 258 986 501		
					04.83 - 08.87	●	0 258 986 501	0 258 986 501	195	1

Turbo R										
	04.93 - 07.95	L 410 MT	8	6.8		●	0 258 003 330	0 258 986 507	1035	4
	07.95 - 07.99	L 410 MT 1T	8	6.8	Ascertain in vehicle	●	0 258 003 645	0 258 986 505	1035	4
							0 258 003 746	0 258 986 505	600	4

BMW

M 135 i										
F 20	07.12→	N55 B30A	6	3.0		●	0 258 027 019			
						▲	0 258 010 162	0 258 986 602		

M3										
E 36	09.92 - 09.95	30 6S 1 <S 50 B 30..>	6	3.0	Left side	●	0 258 005 324	0 258 986 503	570	4
					Right side	●	0 258 005 327	0 258 986 503	570	4
	10.95 - 12.98	32 6S 1/3 <S 50 B 32..>	6	3.2	cyls. 1 - 3	●	0 258 003 748	0 258 986 505	1145	4
					cyls. 4 - 6	●	0 258 003 749	0 258 986 505	1005	4
E 46	09.00 - 05.06	32 6S 4 <S 54 B 32>	6	3.2	cyls. 1 - 3	●	0 258 003 751	0 258 986 505	840	4
					cyls. 4 - 6	●	0 258 005 139	0 258 986 505	935	4
					Left side	▲	0 258 005 281	0 258 986 505	470	4
					Right side	▲	F 00H L00 305	0 258 986 505	422	4
E 92	05.07→	S65 B40A	8	4.0		●	0 258 017 038		340	5
						▲	0 258 006 793	0 258 986 602	325	4
E 90	11.07→	S65 B40A	8	4.0		●	0 258 017 038		340	5
						▲	0 258 006 793	0 258 986 602	325	4

M3 Cabrio										
E 93	03.08→	S65 B40A	8	4.0		●	0 258 017 038		340	5
						▲	0 258 006 793	0 258 986 602	325	4





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M3 Cabriolet										
E 46	04.01 - 08.06	32 6S 4 <S 54 B 32>	6	3.2	cyls. 1 - 3	●	0 258 003 751	0 258 986 505	840	4
					cyls. 4 - 6	●	0 258 005 139	0 258 986 505	935	4
					Left side	▲	0 258 005 281	0 258 986 505	470	4
					Right side	▲	F 00H L00 305	0 258 986 505	422	4
M3 CSL										
E 46	03.03 - 12.03	32 6S 4 <S 54 B 32>	6	3.2	cyls. 1 - 3	●	0 258 003 751	0 258 986 505	840	4
					cyls. 4 - 6	●	0 258 005 139	0 258 986 505	935	4
					Left side	▲	0 258 005 281	0 258 986 505	470	4
					Right side	▲	F 00H L00 305	0 258 986 505	422	4
M5										
E 34	10.88 - 12.93	36 6S 1 <S 38 B 36..>	6	3.6		●	0 258 005 313	0 258 005 732	1520	4
E 39	10.98 - 07.03	50 8S 1 <S 62 B 50>	8	5.0		●	0 258 003 477	0 258 986 505	320	4
						▲	0 258 003 475	0 258 986 505	580	4
E 60	11.04 - 12.09	S85 B50A	10	5.0		●	0 258 017 051		620	5
						▲	0 258 005 339	F 00H L00 057	370	4
F 10	09.11→	S63 B44B	8	4.4		●	0 258 017 187		500	5
						▲	0 258 006 792	0 258 986 602	450	4
M6										
E 63	03.05 - 07.10	S85 B50A	10	5.0		●	0 258 017 051		620	5
						▲	0 258 005 339	F 00H L00 057	370	4
M6 Cabriolet										
E 64	11.06 - 07.10	S85 B50A	10	5.0		●	0 258 017 051		620	5
						▲	0 258 005 339	F 00H L00 057	370	4
X 6 xDrive 35 i										
E 71	03.08 - 03.10	N54 B30A	6	3.0	cyls. 1 - 3	●	0 258 017 137		1300	5
						▲	0 258 010 031	0 258 986 602	600	4
					cyls. 4 - 6	●	0 258 017 101		1100	5
						▲	0 258 010 030	0 258 986 602	560	4
X1 sDrive										
E 84	03.10→	N46 B20B	4	2.0	Auto Trans.,cyls. 1 & 4	▲	0 258 006 789	0 258 986 602	470	4
					Auto Trans.,cyls. 2 & 3	▲	0 258 006 993	0 258 986 602	470	4
					cyls. 1 & 4	●	0 258 017 131		550	5
					cyls. 2 & 3	●	0 258 017 028		650	5
					Manual Trans.,cyls. 1 & 4	▲	0 258 006 977	0 258 986 602	480	4
					Manual Trans.,cyls. 2 & 3	▲	0 258 006 992	0 258 986 602	325	4
X1 sDrive d										
E 84	10.09→	N47 D20C	4	2.0		●	0 281 004 079		420	5
X1 xDrive										
E 84	03.10→	N20 B20A	4	3.0	cyls. 1 - 3	●	0 258 017 098		1400	5
						▲	0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	●	0 258 017 099		910	5
						▲	0 258 006 796	0 258 986 602	490	4
X1 xDrive d										
E 84	10.09→	N47 D20C; N47 D20D	4	2.0		●	0 281 004 079		420	5
X3										
E 83	01.04 - 08.06	30 6S 3 <M 54>	6	3.0	cyls. 1 - 3	●	0 258 005 336	F 00H L00 057	540	4
						▲	0 258 005 109	0 258 986 505	990	4
					cyls. 4 - 6	●	0 258 005 337	F 00H L00 057	700	4
						▲	0 258 005 310	0 258 986 505	1005	4



X3 xDrive

X3 xDrive d

X5

E 53	03.99 - 09.03	44 8S 2 <M 62 B 44>	8	4.4		● 0 258 003 477	0 258 986 505	320	4
						▲ 0 258 003 561	0 258 986 505	765	4
	10.99 - 09.06	30 6S 3 <M 54>	6	3.0		● 0 258 003 477	0 258 986 505	320	4
						▲ 0 258 005 109	0 258 986 505	990	4
	02.02 - 09.03	46 8S 1 <M 62 B 46>	8	4.6		● 0 258 003 477	0 258 986 505	320	4
						▲ 0 258 003 561	0 258 986 505	765	4
	10.03 - 10.06	30 6D 2 <M 57N>	6	3.0		● 0 281 004 018		380	5
		N62 B44A <NGV8>	8	4.4	cyls. 1 - 4	● 0 258 007 254		480	5
						▲ 0 258 005 271	0 258 986 505	450	4
					cyls. 5 - 8	● 0 258 007 255		840	5
						▲ 0 258 005 335	0 258 986 505	1150	4
		03.04 - 10.06	N62 B48A <NGV8>	8	4.8	cyls. 1 - 4	● 0 258 007 254		480
E 70						▲ 0 258 005 271	0 258 986 505	450	4
					cyls. 5 - 8	● 0 258 007 255		840	5
						▲ 0 258 005 335	0 258 986 505	1150	4
	11.06 - 09.08	N52 B30... <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 101		1100	5
						▲ 0 258 006 796	0 258 986 602	490	4
		N62 B48B <NGV8>	8	4.8	cyls. 1 - 4	● 0 258 017 126		680	5
						▲ 0 258 006 793	0 258 986 602	325	4
					cyls. 5 - 8	● 0 258 017 124		950	5
						▲ 0 258 006 864	0 258 986 602	325	4
	03.07 - 09.08	30 6D 3 <M 57N2>	6	3.0		● 0 281 004 018		380	5
10.07 - 09.08	30 6D 5	6	3.0		● 0 281 004 066		580	5	



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X5 M										
E 70	09.09→	S63 B44A	8	4.4				● 0 258 017 187	500	5
								▲ 0 258 006 793	0 258 986 602	325

X5 xDrive									
E 70	10.08 - 03.10	N52 B30... <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 101		1100	5
						▲ 0 258 006 796	0 258 986 602	490	4
		N62 B48B <NGV8>	8	4.8	cyls. 1 - 4	● 0 258 017 126		680	5
						▲ 0 258 006 793	0 258 986 602	325	4
					cyls. 5 - 8	● 0 258 017 124		950	5
						▲ 0 258 006 864	0 258 986 602	325	4

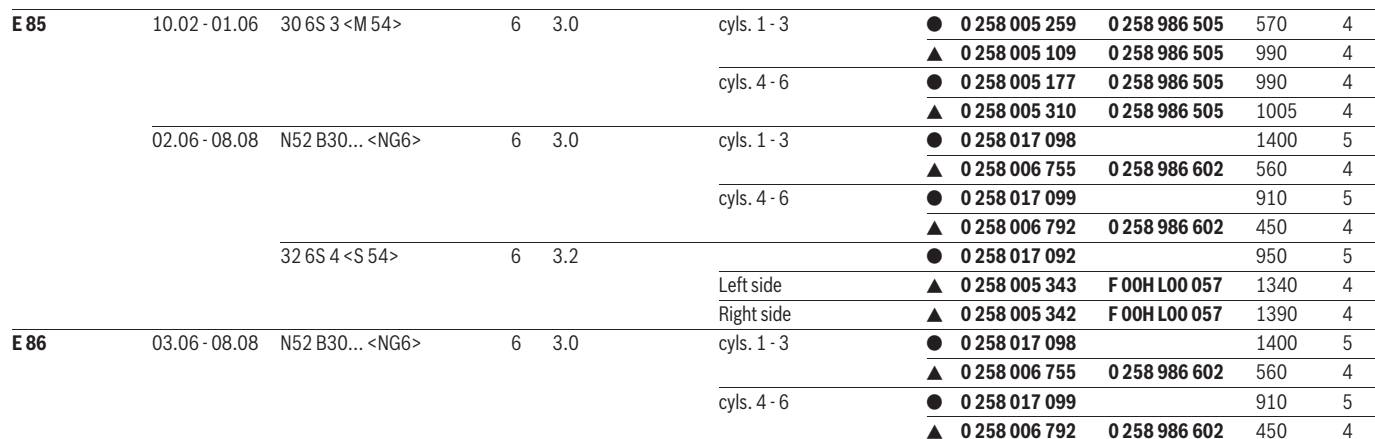
X5 xDrive d									
E 70	10.08 - 03.10	30 6D 3 <M 57N2>	6	3.0		● 0 281 004 018		380	5
		30 6D 5	6	3.0		● 0 281 004 066		580	5

X6										
E 71	09.09→	S63 B44A	8	4.4				● 0 258 017 187	500	5
								▲ 0 258 006 793	0 258 986 602	325

X6 xDrive									
E 71	05.08 - 03.10	30 6D 5	6	3.0	●	0 281 004 066		580	5
	05.08→	N63 B44A	8	4.4	●	0 258 017 187		500	5
					▲	0 258 006 755	0 258 986 602	560	4

Z3											
E 36/7	09.95 - 12.99	19 4S 1 <M 44 B 19>	4	1.9				● 0 258 003 559	0 258 986 505	370	4
								▲ 0 258 003 752	0 258 986 505	450	4
	11.96 - 08.00	28 6S 1/2 <M 52 B 28>	6	2.8	11.96 - 08.98			▲ F 00E 261 264		1100	4
					09.98 - 08.00			● 0 258 005 177	0 258 986 505	990	4
					Left side			▲ 0 258 003 475	0 258 986 505	580	4
					Right side			▲ 0 258 003 561	0 258 986 505	765	4
	04.99 - 12.00	20 6S 4 <M 52 B 20>	6	2.0				● 0 258 005 177	0 258 986 505	990	4
					Left side			▲ 0 258 003 475	0 258 986 505	580	4
					Right side			▲ 0 258 003 561	0 258 986 505	765	4
	05.00 - 06.02	30 6S 3 <M 54>	6	3.0	05.00 - 09.00	Auto Trans.		▲ 0 258 005 109	0 258 986 505	990	4
					Left side,			▲ 0 258 003 475	0 258 986 505	580	4
					RHD veh. Man. Trans.						
					Manual Trans.			● 0 258 005 177	0 258 986 505	990	4
					RHD veh. Auto Trans.,			● 0 258 005 259	0 258 986 505	570	4
					cyls. 1 - 3						
					RHD veh. Auto Trans.,			● 0 258 005 177	0 258 986 505	990	4
					cyls. 4 - 6						
					Right side,			▲ 0 258 003 561	0 258 986 505	765	4
					RHD veh.Man. Trans.						
					10.00 - 06.02			▲ 0 258 005 109	0 258 986 505	990	4
					cyls. 1 - 3			● 0 258 005 259	0 258 986 505	570	4
					cyls. 4 - 6			● 0 258 005 177	0 258 986 505	990	4
	09.00 - 09.02	22 6S 1 <M 54>	6	2.2				▲ 0 258 005 109	0 258 986 505	990	4
								● 0 258 005 259	0 258 986 505	570	4
								● 0 258 005 177	0 258 986 505	990	4

Z4										
E 85	10.02 - 01.06	25 6S 5 <M 54>	6	2.5	cyls. 1 - 3	●	0 258 005 259	0 258 986 505	570	4
						▲	0 258 005 109	0 258 986 505	990	4
					cyls. 4 - 6	●	0 258 005 177	0 258 986 505	990	4
						▲	0 258 005 310	0 258 986 505	1005	4



E 89	04.09 - 08.11	N52 B25...	6	2.5	cyls. 1 - 3	●	0 258 017 098	1400	5
					cyls. 4 - 6	●	0 258 017 099	910	5
			04.09 - 09.09	cyls. 1 - 3	▲	0 258 006 795	0 258 986 602	560	4
				cyls. 4 - 6	▲	0 258 006 796	0 258 986 602	490	4
		10.09 - 08.11	cyls. 1 - 3	▲	0 258 006 755	0 258 986 602	560	4	
			cyls. 4 - 6	▲	0 258 006 792	0 258 986 602	450	4	
		N52 B30...	6	3.0	cyls. 1 - 3	●	0 258 017 098	1400	5
					cyls. 4 - 6	●	0 258 017 099	910	5
	04.09 - 09.09		cyls. 1 - 3	▲	0 258 006 795	0 258 986 602	560	4	
			cyls. 4 - 6	▲	0 258 006 796	0 258 986 602	490	4	
	10.09 - 08.11		cyls. 1 - 3	▲	0 258 006 755	0 258 986 602	560	4	
			cyls. 4 - 6	▲	0 258 006 792	0 258 986 602	450	4	
	04.09 →	N54 B30A	6	3.0	cyls. 1 - 3	●	0 258 017 098	1400	5
						▲	0 258 006 795	0 258 986 602	560
			cyls. 4 - 6	●	0 258 017 102	1200	5		
				▲	0 258 006 796	0 258 986 602	490	4	

E 87	09.04 - 06.11	N45 B16A <NG4>	4	1.6	09.04 - 03.07	●	0 258 986 507			
						▲	0 258 986 507			
						04.07 - 06.11				
						●	0 258 017 126	680	5	
						▲	0 258 006 977	0 258 986 602	480	4

E87	03.07-06.11	N47 D20...	4	2.0	● 0281004079	420	5
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E 88	09.08→	N47 D20...	4	2.0	● 0281004079	420	5
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E87	11.04 - 03.07	N46 B20B <NG4>	4	2.0	● 0 258 007 274	720	5	
					▲ 0 258 986 507			
	03.07 - 06.11	N43 B20A <NG4>	4	2.0	● 0 258 017 130	720	5	
					▲ 0 258 006 977	0 258 986 602	480	4
		N46 B20B <NG4>	4	2.0	● 0 258 017 126	680	5	
					▲ 0 258 006 977	0 258 986 602	480	4

E 87	09.04 - 03.07	20 4D 4 <M 47N>	4	2.0	● 0281 004 046	950	5
	03.07 - 06.11	N47 D20...	4	2.0	● 0281 004 079	420	5



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120i									
E 87	09.04 - 03.07	N46 B20... <NG4>	4	2.0	cyls. 1 & 4	● 0 258 007 273		550	5
						▲	0 258 986 507		
E 87	03.07 - 06.11	N46B20... <NG4>	4	2.0	cyls. 2 & 3	● 0 258 007 146		680	5
					Auto Trans.,cyls. 1 & 4	▲ 0 258 006 789	0 258 986 602	470	4
					Auto Trans.,cyls. 2 & 3	▲ 0 258 006 993	0 258 986 602	470	4
					cyls. 1 & 4	● 0 258 017 131		550	5
					cyls. 2 & 3	● 0 258 017 028		650	5
					Manual Trans.,cyls. 1 & 4	▲ 0 258 006 977	0 258 986 602	480	4
					Manual Trans.,cyls. 2 & 3	▲ 0 258 006 992	0 258 986 602	325	4

120i Cabriolet									
E 88	03.08→	N46 B20... <NG4>	4	2.0	Auto Trans.,cyls. 1 & 4	▲ 0 258 006 789	0 258 986 602	470	4
					Auto Trans.,cyls. 2 & 3	▲ 0 258 006 993	0 258 986 602	470	4
					cyls. 1 & 4	● 0 258 017 131		550	5
					cyls. 2 & 3	● 0 258 017 028		650	5
					Manual Trans.,cyls. 1 & 4	▲ 0 258 006 977	0 258 986 602	480	4
					Manual Trans.,cyls. 2 & 3	▲ 0 258 006 992	0 258 986 602	325	4

123d									
E 87	09.07 - 06.11	N47 D20...	4	2.0		● 0 281 004 079		420	5

123d Cabriolet									
E 88	09.08→	N47 D20...	4	2.0		● 0 281 004 079		420	5

123d Coupe									
E 82	10.07→	N47 D20...	4	2.0		● 0 281 004 079		420	5

125i Cabriolet									
E 88	03.08→	N52 B30... <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 099		910	5
						▲ 0 258 006 796	0 258 986 602	490	4

125i Coupe									
E 82	03.08→	N52 B30... <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 099		910	5
						▲ 0 258 006 796	0 258 986 602	490	4

130i									
E 87	09.05 - 08.09	N52 B30... <NG6>	6	3.0	cyls. 1 - 3	▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	▲ 0 258 006 796	0 258 986 602	490	4
					09.05 - 11.05	cyls. 1 - 3	● 0 258 017 036	380	5
						cyls. 4 - 6	● 0 258 017 038	340	5
					12.05 - 08.09	cyls. 1 - 3	● 0 258 017 098	1400	5
						cyls. 4 - 6	● 0 258 017 099	910	5

135i Cabriolet									
E 88	03.08 - 02.10	N54 B30A <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 102		1200	5
						▲ 0 258 006 796	0 258 986 602	490	4

135i Coupe									
E 82	10.07 - 02.10	N54 B30A <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 102		1200	5
						▲ 0 258 006 796	0 258 986 602	490	4

**300d**

E 90	09.08→	N57 D30A	6	3.0	Euro 5 emissions	● 0 281 004 018	380	5
					Euro 6 emissions	● 0 281 004 168	380	5
						▲ 0 281 004 028	540	5

316i

E 46	02.02 - 03.04	N42 B18A <NG4>	4	1.8	Euro 2 emissions, Euro 3 emissions	● 0 258 007 142	360	5
					Euro 4 emissions, cyls. 1 & 4	● 0 258 007 142	360	5
					Euro 4 emissions, cyls. 2 & 3	● 0 258 007 143	360	5
					Euro 4 emissions,Front	▲ 0 258 005 271 0 258 986 505	450	4
					Euro 4 emissions,Rear	▲ 0 258 005 270 0 258 986 505	765	4

316i Compact

E 36	03.94 - 09.00	16 4E 2 <M 43 B 16>	4	1.6	03.94 - 09.95	● 0 258 005 324 0 258 986 503	570	4
					10.95 - 01.96	● 0 258 003 810 0 258 986 503	600	4
					02.96 - 09.00	● 0 258 003 810 0 258 986 503	600	4
	11.95 - 09.00	16 4E 2 <M 43 B 16.. Gas CNG>	4	1.6	Gas vehicles only	● 0 258 003 750 0 258 986 505	540	4
					11.95 - 01.96	● 0 258 003 810 0 258 986 503	600	4
					02.96 - 09.00	● 0 258 003 810 0 258 986 503	600	4
	12.98 - 09.00	19 4E 1 <M 43 B 19>	4	1.9		● 0 258 003 559 0 258 986 505	370	4
						▲ 0 258 003 561 0 258 986 505	765	4

316ti Compact

E 36	09.94 - 09.96	18 4S 1 <M 42 B 18>	4	1.8		● 0 258 005 324 0 258 986 503	570	4
	12.95 - 09.00	19 4S 1 <M 44 B 19>	4	1.9		● 0 258 003 559 0 258 986 505	370	4
						▲ 0 258 003 561 0 258 986 505	765	4
E 46	06.01 - 03.04	N42 B18A <NG4>	4	1.8	Euro 2 emissions, Euro 3 emissions	● 0 258 007 142	360	5
					Euro 3 emissions	▲ 0 258 005 270 0 258 986 505	765	4
					Euro 4 emissions, cyls. 1 & 4	● 0 258 007 142	360	5
					Euro 4 emissions, cyls. 2 & 3	● 0 258 007 143	360	5
					Euro 4 emissions,Front	▲ 0 258 005 271 0 258 986 505	450	4
					Euro 4 emissions,Rear	▲ 0 258 005 270 0 258 986 505	765	4
	04.04 - 12.04	N45 B16A <NG4>	4	1.6		● 0 258 006 428 0 258 986 602	540	4
						▲ 0 258 005 270 0 258 986 505	765	4
		N46 B18A <NG4>	4	1.8	Euro 2 emissions, Euro 3 emissions	● 0 258 007 142	360	5
					Euro 3 emissions	▲ 0 258 005 270 0 258 986 505	765	4
					Euro 4 emissions, cyls. 1 & 4	● 0 258 007 142	360	5
					Euro 4 emissions, cyls. 2 & 3	● 0 258 007 143	360	5
					Euro 4 emissions,Front	▲ 0 258 005 271 0 258 986 505	450	4
					Euro 4 emissions,Rear	▲ 0 258 005 270 0 258 986 505	765	4

318d

F 30	03.12→	N47 D20C	4	2.0		● 0 281 004 018	380	5
						▲ 0 281 004 028	540	5

318i

E 30	09.87 - 12.91	18 4E 1 <M 40 B 18>	4	1.8		● 0 258 005 325 0 258 986 503	940	4
E 36	12.90 - 02.94	18 4E 1 <M 40 B 18>	4	1.8		● 0 258 005 324 0 258 986 503	570	4
	03.92 - 10.96	18 4S 1 <M 42 B 18>	4	1.8	10.92 - 10.96	● 0 258 005 324 0 258 986 503	570	4
	09.93 - 12.98	18 4E 2 <M 43 B 18>	4	1.8	09.93 - 09.95	● 0 258 005 324 0 258 986 503	570	4
					10.95 - 01.96	● 0 258 003 810 0 258 986 503	600	4
					02.96 - 12.98	● 0 258 003 810 0 258 986 503	600	4





◀ BMW

E 46	11.98 - 09.01	19 4E 1 <M 43 B 19>	4	1.9		● 0 258 003 559	0 258 986 505	370	4
						▲ 0 258 003 561	0 258 986 505	765	4
	09.01 - 03.04	N42 B20A <NG4>	4	2.0	Euro 2 emissions,	● 0 258 007 142		360	5
					Euro 3 emissions				
					Euro 4 emissions,	● 0 258 007 142		360	5
					cyls. 1 & 4				
					Euro 4 emissions,	● 0 258 007 143		360	5
					cyls. 2 & 3				
					Euro 4 emissions,Front	▲ 0 258 005 271	0 258 986 505	450	4
					Euro 4 emissions,Rear	▲ 0 258 005 270	0 258 986 505	765	4
	04.04 - 03.05	N46 B20... <NG4>	4	2.0	Euro 2 emissions,	● 0 258 007 142		360	5
					Euro 3 emissions				
					Euro 3 emissions	▲ 0 258 005 270	0 258 986 505	765	4
					Euro 4 emissions,	● 0 258 007 142		360	5
					cyls. 1 & 4				
					Euro 4 emissions,	● 0 258 007 143		360	5
					cyls. 2 & 3				
					Euro 4 emissions,Front	▲ 0 258 005 271	0 258 986 505	450	4
					Euro 4 emissions,Rear	▲ 0 258 005 270	0 258 986 505	765	4

318i Cabriolet

E 30	09.90 - 12.93	18 4E 1 <M 40 B 18>	4	1.8		● 0 258 005 325	0 258 986 503	940	4
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318iS

E 30	09.89 - 12.91	18 4S 1 <M 42 B 18>	4	1.8	09.89 - 08.90	● 0 258 005 325	0 258 986 503	940	4
					09.90 - 12.91	● 0 258 005 323	0 258 986 503	800	4
E 36	03.92 - 09.96	18 4S 1 <M 42 B 18>	4	1.8	03.92 - 09.92	● 0 258 005 324	0 258 986 503	570	4
					10.92 - 09.96	● 0 258 005 324	0 258 986 503	570	4
	03.93 - 12.96	18 4S 1 <M 42 B 18>	4	1.8		● 0 258 005 324	0 258 986 503	570	4
	03.95 - 08.99	19 4S 1 <M 44 B 19>	4	1.9		● 0 258 003 559	0 258 986 505	370	4
	12.95 - 08.99	19 4S 1 <M 44 B 19>	4	1.9		▲ 0 258 003 561	0 258 986 505	765	4
	07.96 - 10.98	19 4S 1 <M44 B 19>	4	1.8		● 0 258 003 559	0 258 986 505	370	4

318ti Compact

E 46	04.04 - 12.04	N46 B20... <NG4>	4	2.0	Euro 2 emissions,	● 0 258 007 142		360	5
					Euro 3 emissions				
					Euro 3 emissions	▲ 0 258 005 270	0 258 986 505	765	4
					Euro 4 emissions,	● 0 258 007 142		360	5
					cyls. 1 & 4				
					Euro 4 emissions,	● 0 258 007 143		360	5
					cyls. 2 & 3				
					Euro 4 emissions,Front	▲ 0 258 005 271	0 258 986 505	450	4
					Euro 4 emissions,Rear	▲ 0 258 005 270	0 258 986 505	765	4

320Ci

E 46	09.00 - 05.06	22 6S 1 <M 54>	6	2.2		▲ 0 258 005 109	0 258 986 505	990	4
					cyls. 1 - 3	● 0 258 005 259	0 258 986 505	570	4
					cyls. 4 - 6	● 0 258 005 177	0 258 986 505	990	4

320d

E 90	03.05 - 09.07	20 4D 4 <M 47N>	4	2.0		● 0 281 004 018		380	5
	09.07 - 03.10	N47 D20...	4	2.0		● 0 281 004 079		420	5
F 30	02.12→	N47 D20C	4	2.0		● 0 281 004 018		380	5
						▲ 0 281 004 028		540	5

320d Cabriolet

E 93	03.08 - 02.10	N47 D20...	4	2.0		● 0 281 004 079		420	5
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320d Coupe

E 92	03.07 - 02.10	N47 D20...	4	2.0		● 0 281 004 079		420	5
	09.08 - 02.10	N47 D20C	4	2.0		● 0 281 004 079		420	5

**320d Touring**

E 91	09.07 - 02.10	N47 D20...	4	2.0	●	0 281 004 079	420	5
	09.08 - 02.10	N47 D20C	4	2.0	●	0 281 004 079	420	5

320i

E 30	12.85 - 12.91	20 6E E/20 6K A <M 20 B 20>	6	2.0	12.86 - 09.87	4 connections	●	0 258 003 045	0 258 986 503	540	4
					10.87 - 12.91	4 connections	●	0 258 005 324	0 258 986 503	570	4
E 36	09.90 - 12.95	20 6S 1/2 <M 50 B 20>	6	2.0	09.90 - 08.92	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4
						Manual Trans.	●	0 258 005 324	0 258 986 503	570	4
	10.91 - 10.96	20 6S 1/2 <M50 B20>	6	2.0	10.91 - 08.92	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4
						Manual Trans.	●	0 258 005 324	0 258 986 503	570	4
E 46	09.00 - 03.05	22 6S 1 <M 54>	6	2.2			▲	0 258 005 109	0 258 986 505	990	4
						cyls. 1 - 3	●	0 258 005 259	0 258 986 505	570	4
						cyls. 4 - 6	●	0 258 005 177	0 258 986 505	990	4
E 90	03.05→	N46 B20... <NG4>	4	2.0	03.05 - 09.07	cyls. 1 & 4	●	0 258 007 273		550	5
							▲		0 258 986 507		
						cyls. 2 & 3	●	0 258 007 146		680	5
					10.07→	Auto Trans.,cyls. 1 & 4	▲	0 258 006 789	0 258 986 602	470	4
						Auto Trans.,cyls. 2 & 3	▲	0 258 006 993	0 258 986 602	470	4
						cyls. 1 & 4	●	0 258 017 131		550	5
						cyls. 2 & 3	●	0 258 017 028		650	5
						Manual Trans.,cyls. 1 & 4	▲	0 258 006 977	0 258 986 602	480	4
						Manual Trans.,cyls. 2 & 3	▲	0 258 006 992	0 258 986 602	325	4
							●	0 258 027 029			
							▲	0 258 010 239			
F 30	03.12→	N20 B20A	4	2.0			●	0 258 027 029			
							▲	0 258 010 239			

320i Touring

E 46	09.00 - 09.05	22 6S 1 <M 54>	6	2.2			▲	0 258 005 109	0 258 986 505	990	4
						cyls. 1 - 3	●	0 258 005 259	0 258 986 505	570	4
						cyls. 4 - 6	●	0 258 005 177	0 258 986 505	990	4
E 91	09.05→	N46 B20... <NG4>	4	2.0	09.05 - 09.07	cyls. 1 & 4	●	0 258 007 273		550	5
							▲		0 258 986 507		
						cyls. 2 & 3	●	0 258 007 146		680	5
					10.07→	Auto Trans.,cyls. 1 & 4	▲	0 258 006 789	0 258 986 602	470	4
						Auto Trans.,cyls. 2 & 3	▲	0 258 006 993	0 258 986 602	470	4
						cyls. 1 & 4	●	0 258 017 131		550	5
						cyls. 2 & 3	●	0 258 017 028		650	5
						Manual Trans.,cyls. 1 & 4	▲	0 258 006 977	0 258 986 602	480	4
						Manual Trans.,cyls. 2 & 3	▲	0 258 006 992	0 258 986 602	325	4
							●	0 258 027 029			
							▲	0 258 010 239			

323Ci

E 46	04.98 - 09.00	25 6S 4 <M 52 B 25>	6	2.5			●	0 258 005 177	0 258 986 505	990	4
							▲	0 258 003 561	0 258 986 505	765	4

323Ci Cabriolet

E 46	03.00 - 09.00	25 6S 4 <M 52 B 25>	6	2.5			●	0 258 005 177	0 258 986 505	990	4
							▲	0 258 003 561	0 258 986 505	765	4

323i

E 36	10.94 - 12.98	25 6S 3 <M 52 B 25>	6	2.5	10.95 - 12.98		●	F 00E 261 264		1100	4
	03.95 - 06.99	25 6S 3 <M 52 B 25>	6	2.5	10.95 - 06.99		●	F 00E 261 264		1100	4
	10.96 - 10.98	25 6S 3 <M52 B25>	6	2.5			●	F 00E 261 264		1100	4
					10.96 - 03.98		●	F 00E 261 264		1100	4
E 46	04.98 - 09.00	25 6S 4 <M 52 B 25>	6	2.5			●	0 258 005 177	0 258 986 505	990	4
							▲	0 258 003 561	0 258 986 505	765	4
E 90	09.05→	N52 B25... <NG6>	6	2.5		cyls. 1 - 3	▲	0 258 006 795	0 258 986 602	560	4
						cyls. 4 - 6	▲	0 258 006 796	0 258 986 602	490	4
					09.05 - 11.05	cyls. 1 - 3	●	0 258 017 036		380	5
						cyls. 4 - 6	●	0 258 017 038		340	5
					12.05→	cyls. 1 - 3	●	0 258 017 098		1400	5
						cyls. 4 - 6	●	0 258 017 099		910	5





BMW

323i Cabriolet											
E 36	05.95 - 09.99	25 6S 3 <M 52 B 25>	6	2.5	10.95 - 09.99	●	F 00E 261 264	1100	4		
323i Coupe											
E 92	09.06→	N52 B25A <NG6>	6	2.5	cyls. 1 - 3	●	0 258 017 098	1400	5		
						▲	0 258 006 795	0 258 986 602	560	4	
					cyls. 4 - 6	●	0 258 017 099	910	5		
						▲	0 258 006 796	0 258 986 602	490	4	
323i Touring											
E 91	09.05→	N52 B25A <NG6>	6	2.5	cyls. 1 - 3	▲	0 258 006 795	0 258 986 602	560	4	
					cyls. 4 - 6	▲	0 258 006 796	0 258 986 602	490	4	
					09.05 - 11.05	cyls. 1 - 3	●	0 258 017 036	380	5	
						cyls. 4 - 6	●	0 258 017 038	340	5	
					12.05→	cyls. 1 - 3	●	0 258 017 098	1400	5	
						cyls. 4 - 6	●	0 258 017 099	910	5	
323ti											
E 36	06.97 - 09.00	25 6S 3 <M 52 B 25>	6	2.5		▲	F 00E 261 264	1100	4		
					06.97 - 01.99	●	F 00E 261 264	1100	4		
325Ci											
E 46	09.00 - 05.06	25 6S 5 <M 54>	6	2.5		▲	0 258 005 109	0 258 986 505	990	4	
					cyls. 1 - 3	●	0 258 005 259	0 258 986 505	570	4	
					cyls. 4 - 6	●	0 258 005 177	0 258 986 505	990	4	
					09.02 - 08.03	R bank	●	0 258 007 176	990	5	
						325Ci Cabriolet					
E 46	09.00 - 08.06	25 6S 5 <M 54>	6	2.5		▲	0 258 005 109	0 258 986 505	990	4	
					cyls. 1 - 3	●	0 258 005 259	0 258 986 505	570	4	
					cyls. 4 - 6	●	0 258 005 177	0 258 986 505	990	4	
					09.02 - 08.03	R bank	●	0 258 007 176	990	5	
						325e					
E 30	01.85 - 12.87	27 6K A/B <M 20 B 27>	6	2.7	3 connections	●	0 258 003 008	0 258 986 502	523	3	
					12.86 - 09.87	4 connections	●	0 258 003 045	0 258 986 503	540	4
325i											
E 30	12.86 - 12.91	25 6K 1 <M 20 B 25 Kat.>	6	2.5	12.86 - 09.87	4 connections	●	0 258 003 045	0 258 986 503	540	4
					10.87 - 12.91	4 connections	●	0 258 005 324	0 258 986 503	570	4
E 36	09.90 - 12.95	25 6S 1/2 <M 50 B 25>	6	2.5	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4	
					Manual Trans.	●	0 258 005 324	0 258 986 503	570	4	
	04.91 - 08.95	25 6S 1/2 <M 50 B 25>	6	2.5	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4	
					03.92 - 12.95	25 6S 1/2 <M 50 B 25>	6	2.5	Auto Trans.	●	0 258 005 324
						Manual Trans.	●	0 258 005 324	0 258 986 503	570	4
E 46	09.00 - 03.05	25 6S 5 <M 54>	6	2.5		▲	0 258 005 109	0 258 986 505	990	4	
					cyls. 1 - 3	●	0 258 005 259	0 258 986 505	570	4	
					cyls. 4 - 6	●	0 258 005 177	0 258 986 505	990	4	
					09.02 - 08.03	R bank	●	0 258 007 176	990	5	
						E 90					
E 90	03.05→	N52 B25... <NG6>	6	2.5	cyls. 1 - 3	▲	0 258 006 795	0 258 986 602	560	4	
					cyls. 4 - 6	▲	0 258 006 796	0 258 986 602	490	4	
					03.05 - 11.05	cyls. 1 - 3	●	0 258 017 036	380	5	
						cyls. 4 - 6	●	0 258 017 038	340	5	
					12.05→	cyls. 1 - 3	●	0 258 017 098	1400	5	
						cyls. 4 - 6	●	0 258 017 099	910	5	
325i Cabriolet											
E 36	03.93 - 12.95	25 6S 2 <M 50 B 25>	6	2.5	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4	
					Manual Trans.	●	0 258 005 324	0 258 986 503	570	4	



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E 90	03.05→	N52 B30... <NG6>	6	3.0	cyls. 1 - 3	▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	▲ 0 258 006 796	0 258 986 602	490	4
					03.05 - 11.05	● 0 258 017 036		380	5
					cyls. 4 - 6	● 0 258 017 038		340	5
					12.05→	● 0 258 017 098		1400	5
					cyls. 4 - 6	● 0 258 017 099		910	5

335i									
E 90	09.06 - 02.10	N54 B30A <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 102		1200	5
						▲ 0 258 006 796	0 258 986 602	490	4
F 30	02.12→	N55 B30A	6	3.0		● 0 258 027 019			
						▲ 0 258 010 162	0 258 986 602		

335i Cabriolet									
E 93	03.07 - 02.10	N54 B30A <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 102		1200	5
						▲ 0 258 006 796	0 258 986 602	490	4

335i Coupe									
E 92	09.06 - 02.10	N54 B30A <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 102		1200	5
						▲ 0 258 006 796	0 258 986 602	490	4

335i Touring									
E 91	09.06 - 02.10	N54 B30A <NG6>	6	3.0	cyls. 1 - 3	● 0 258 017 098		1400	5
						▲ 0 258 006 795	0 258 986 602	560	4
					cyls. 4 - 6	● 0 258 017 102		1200	5
						▲ 0 258 006 796	0 258 986 602	490	4

520d									
E 60	09.07 - 02.10	N47 D20...	4	2.0		● 0 281 004 079		420	5
F 10	05.10→	N47 D20C <N47N>	4	2.0		● 0 281 004 018		380	5
						▲ 0 281 004 028		540	5

520i									
E 34	09.89 - 12.95	20 6S 1/2 <M 50 B 20>	6	2.0	Bosch engine mgmt.	● 0 258 005 322	0 258 986 503	1450	4
E 60	09.07 - 02.10	N43 B20A <NG4>	4	2.0		● 0 258 017 173		890	5
						▲ 0 258 010 027	0 258 986 602	780	4

523i									
E 39	09.95 - 09.00	25 6S 3/4 <M 52 B 25>	6	2.5	09.95 - 09.98	● F 00E 261 264		1100	4
					10.98 - 09.00	● 0 258 005 177	0 258 986 505	990	4
						▲ 0 258 005 109	0 258 986 505	990	4
E 60	03.05 - 02.10	N52 B25... <NG6>	6	2.5	no trailer coupling, cyls. 4 - 6	▲ 0 258 006 809	0 258 986 602	380	4
					w/trailer coupling, cyls. 1 - 3	▲ 0 258 006 789	0 258 986 602	470	4
					w/trailer coupling, cyls. 4 - 6	▲ 0 258 006 790	0 258 986 602	510	4
					03.05 - 11.05	● 0 258 017 036		380	5
					cyls. 4 - 6	● 0 258 017 038		340	5
					03.05 - 03.07	▲ 0 258 006 808	0 258 986 602	430	4
					12.05 - 02.10	● 0 258 017 098		1400	5
					cyls. 4 - 6	● 0 258 017 099		910	5
					04.07 - 02.10	▲ 0 258 006 977	0 258 986 602	480	4
					no trailer coupling, cyls. 1 - 3				



B

B



B

B



B

B



B

B



B

B



B



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530i															
E 34	09.92 - 12.95	30 8S 1 <M 60 B 30>	8	3.0	09.92 - 06.94	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4				
						Manual Trans.	●	0 258 005 324	0 258 986 503	570	4				
					07.94 - 12.95	Auto Trans.	●	0 258 003 523	0 258 986 503	480	4				
						Manual Trans.	●	0 258 003 810	0 258 986 503	600	4				
E 39	09.00 - 07.03	30 6S 3 <M 54>	6	3.0			●	0 258 005 259	0 258 986 505	570	4				
							▲	0 258 005 109	0 258 986 505	990	4				
E 60	07.03 - 03.05	30 6S 3 <M 54>	6	3.0		cyls. 1 - 3		●	0 258 005 259	0 258 986 505	570	4			
								▲	0 258 005 109	0 258 986 505	990	4			
		cyls. 4 - 6		●	0 258 005 320		570	4							
			▲	0 258 005 310	0 258 986 505	1005	4								
	03.05 - 02.10	N52 B30... <NG6>	6	3.0		no trailer coupling, cyls. 4 - 6		▲	0 258 006 809	0 258 986 602	380	4			
								w/trailer coupling, cyls. 1 - 3		▲	0 258 006 789	0 258 986 602	470	4	
									w/trailer coupling, cyls. 4 - 6		▲	0 258 006 790	0 258 986 602	510	4
	03.05 - 11.05	cyls. 1 - 3		●	0 258 017 036		380	5							
			cyls. 4 - 6		●	0 258 017 038		340	5						
	03.05 - 03.07	no trailer coupling, cyls. 1 - 3		▲	0 258 006 808	0 258 986 602	430	4							
	12.05 - 02.10	cyls. 1 - 3		●	0 258 017 098		1400	5							
			cyls. 4 - 6		●	0 258 017 099		910	5						
	04.07 - 02.10	no trailer coupling, cyls. 1 - 3		▲	0 258 006 977	0 258 986 602	480	4							
	03.07 - 02.10	N53 B30A <NG6>	6	3.0		cyls. 1 - 3		●	0 258 017 098		1400	5			
								▲	0 258 006 789	0 258 986 602	470	4			
							cyls. 4 - 6		●	0 258 017 099		910	5		
									▲	0 258 006 790	0 258 986 602	510	4		
	530i Touring														
	E 39	09.00 - 05.04	30 6S 3 <M 54>	6	3.0			●	0 258 005 259	0 258 986 505	570	4			
							▲	0 258 005 109	0 258 986 505	990	4				
E 61	03.05 - 08.10	N52 B30... <NG6>	6	3.0		no trailer coupling, cyls. 4 - 6		▲	0 258 006 809	0 258 986 602	380	4			
						w/trailer coupling, cyls. 1 - 3		▲	0 258 006 789	0 258 986 602	470	4			
						w/trailer coupling, cyls. 4 - 6		▲	0 258 006 790	0 258 986 602	510	4			
					03.05 - 11.05	cyls. 1 - 3		●	0 258 017 036		380	5			
						cyls. 4 - 6		●	0 258 017 038		340	5			
					03.05 - 03.07	no trailer coupling, cyls. 1 - 3		▲	0 258 006 808	0 258 986 602	430	4			
					12.05 - 08.10	cyls. 1 - 3		●	0 258 017 098		1400	5			
						cyls. 4 - 6		●	0 258 017 099		910	5			
					04.07 - 08.10	no trailer coupling, cyls. 1 - 3		▲	0 258 006 977	0 258 986 602	480	4			
	03.07 - 08.10	N53 B30A <NG6>	6	3.0		cyls. 1 - 3		●	0 258 017 098		1400	5			
								▲	0 258 006 789	0 258 986 602	470	4			
					cyls. 4 - 6		●	0 258 017 099		910	5				
							▲	0 258 006 790	0 258 986 602	510	4				
535i															
E 28	01.85 - 12.87	34 6K A <M 30 B 35 Kat.>	6	3.4	01.85 - 04.86		●	0 258 003 008	0 258 986 502	523	3				
					05.86 - 12.87		●	0 258 003 049	0 258 986 502	1790	3				
E 34	01.88 - 04.93	34 6K B <M 30 B 35>	6	3.5			●	0 258 005 313	0 258 005 732	1520	4				
E 39	01.96 - 07.03	35 8S 1/2 <M 62 B 35>	8	3.5	01.96 - 09.98		●	0 258 003 559	0 258 986 505	370	4				
					10.98 - 07.03		●	0 258 003 477	0 258 986 505	320	4				
								▲	0 258 003 475	0 258 986 505	580	4			
F 10	03.10→	N55 B30A	6	3.0			●	0 258 027 015							
							▲	0 258 010 162	0 258 986 602						



540i											
E 34	09.92 - 09.95	40 8S 1 <M 60 B 40>	8	4.0	09.92 - 06.94	Manual Trans.	●	0 258 005 324	0 258 986 503	570	4
					09.92 - 09.94	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4
					07.94 - 09.95		●	0 258 003 523	0 258 986 503	480	4
E 39	01.96 - 07.03	44 8S 1/2 <M 62 B 44>	8	4.4	01.96 - 09.98		●	0 258 003 559	0 258 986 505	370	4
					10.98 - 07.03		●	0 258 003 477	0 258 986 505	320	4
							▲	0 258 003 475	0 258 986 505	580	4
E 60	09.05 - 02.10	N62 B40A <NGV8>	8	4.0	Auto Trans.,cyls. 1 - 4	●	0 258 017 049			550	5
					Auto Trans.,cyls. 5 - 8	●	0 258 017 029			620	5
					cyls. 1 - 4	▲	0 258 006 793	0 258 986 602		325	4
					cyls. 5 - 8	▲	0 258 006 794	0 258 986 602		450	4
					Manual Trans.,cyls. 1 - 4	●	0 258 017 092			950	5
					Manual Trans.,cyls. 5 - 8	●	0 258 017 093			550	5
545i											
E 60	09.03 - 09.05	N62 B44A <NGV8>	8	4.4	Auto Trans.,cyls. 1 - 4	●	0 258 007 144			550	5
					Auto Trans.,cyls. 5 - 8	●	0 258 007 208			620	5
					cyls. 1 - 4	▲	0 258 005 297	0 258 986 505		325	4
					cyls. 5 - 8	▲	0 258 005 321	0 258 986 505		450	4
					Manual Trans.,cyls. 1 - 4	●	0 258 007 277			950	5
					Manual Trans.,cyls. 5 - 8	●	0 258 007 278			550	5
550i											
E 60	09.05 - 02.10	N62 B48B <NGV8>	8	4.8	Auto Trans.,cyls. 1 - 4	●	0 258 017 049			550	5
					Auto Trans.,cyls. 5 - 8	●	0 258 017 029			620	5
					cyls. 1 - 4	▲	0 258 006 793	0 258 986 602		325	4
					cyls. 5 - 8	▲	0 258 006 794	0 258 986 602		450	4
					Manual Trans.,cyls. 1 - 4	●	0 258 017 092			950	5
					Manual Trans.,cyls. 5 - 8	●	0 258 017 093			550	5
F 10	03.10→	N63 B44A	8	4.4		●	0 258 017 187			500	5
						▲	0 258 006 755	0 258 986 602		560	4
635CSi											
E 24	01.86 - 04.89	<M 30 B 35 Kat.>	6	3.4	01.86 - 04.86		●	0 258 003 008	0 258 986 502	523	3
					05.86 - 12.87		●	0 258 003 049	0 258 986 502	1790	3
					01.88 - 04.89		●	0 258 005 313	0 258 005 732	1520	4
645Ci											
E 63	01.04 - 09.05	N62 B44A <NGV8>	8	4.4	Auto Trans.,cyls. 1 - 4	●	0 258 007 144			550	5
					Auto Trans.,cyls. 5 - 8	●	0 258 007 208			620	5
					cyls. 1 - 4	▲	0 258 005 297	0 258 986 505		325	4
					cyls. 5 - 8	▲	0 258 005 321	0 258 986 505		450	4
					Manual Trans.,cyls. 1 - 4	●	0 258 007 277			950	5
					Manual Trans.,cyls. 5 - 8	●	0 258 007 278			550	5
645Ci Cabriolet											
E 64	04.04 - 09.05	N62 B44A <NGV8>	8	4.4	Auto Trans.,cyls. 1 - 4	●	0 258 007 144			550	5
					Auto Trans.,cyls. 5 - 8	●	0 258 007 208			620	5
					cyls. 1 - 4	▲	0 258 005 297	0 258 986 505		325	4
					cyls. 5 - 8	▲	0 258 005 321	0 258 986 505		450	4
					Manual Trans.,cyls. 1 - 4	●	0 258 007 277			950	5
					Manual Trans.,cyls. 5 - 8	●	0 258 007 278			550	5
650i											
E 63	09.05 - 07.10	N62 B48B <NGV8>	8	4.8	Auto Trans.,cyls. 1 - 4	●	0 258 017 049			550	5
					Auto Trans.,cyls. 5 - 8	●	0 258 017 029			620	5
					cyls. 1 - 4	▲	0 258 006 793	0 258 986 602		325	4
					cyls. 5 - 8	▲	0 258 006 794	0 258 986 602		450	4
					Manual Trans.,cyls. 1 - 4	●	0 258 017 092			950	5
					Manual Trans.,cyls. 5 - 8	●	0 258 017 093			550	5





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650i Cabriolet											
E 64	09.05 - 07.10	N62 B48B <NGV8>	8	4.8	Auto Trans.,cyls. 1 - 4	●	0 258 017 049	550	5		
					Auto Trans.,cyls. 5 - 8	●	0 258 017 029	620	5		
					cyls. 1 - 4	▲	0 258 006 793	0 258 986 602	325	4	
					cyls. 5 - 8	▲	0 258 006 794	0 258 986 602	450	4	
					Manual Trans.,cyls. 1 - 4	●	0 258 017 092	950	5		
					Manual Trans.,cyls. 5 - 8	●	0 258 017 093	550	5		
730d											
F 01	11.08 - 06.12	N57 D30A	6	3.0	Euro 5 emissions	●	0 281 004 018	380	5		
					Euro 6 emissions	●	0 281 004 168	380	5		
					▲	0 281 004 028	540	5			
730i, 730iL											
E 32	09.86 - 06.94	30 6K A <M 30 B 30>	6	3.0	09.86 - 09.87	●	0 258 003 037	0 258 986 506	1600	4	
					10.87 - 06.94	●	0 258 005 313	0 258 005 732	1520	4	
	09.91 - 10.94	30 8S 1 <M 60 B 30>	8	3.0	Auto Trans.	●	0 258 005 324	0 258 986 503	570	4	
					Manual Trans.	●	0 258 005 324	0 258 986 503	570	4	
					●	0 258 003 810	0 258 986 503	600	4		
E 38	06.94 - 12.96	30 8S 1 <M 60 B 30>	8	3.0	●	0 258 003 810	0 258 986 503	600	4		
735i											
E 23	01.85 - 08.86	34 6K A <M 30 B 35 Kat.>	6	3.4	01.85 - 04.86	●	0 258 003 008	0 258 986 502	523	3	
					05.86 - 08.86	●	0 258 003 049	0 258 986 502	1790	3	
E 65	11.01 - 03.05	N62 B36A <NGV8>	8	3.6	cyls. 1 - 4	●	0 258 007 144		550	5	
					▲	0 258 005 297	0 258 986 505	325	4		
					11.01 - 05.02	cyls. 5 - 8	●	0 258 007 146		680	5
					11.01 - 10.03	cyls. 5 - 8	▲	0 258 005 298	0 258 986 505	325	4
					06.02 - 03.05	cyls. 5 - 8	●	0 258 007 208		620	5
					11.03 - 03.05	cyls. 5 - 8	▲	0 258 005 321	0 258 986 505	450	4
735i, 735iL											
E 32	09.86 - 12.92	34 6E C/K B <M 30 B 35>	6	3.4	09.86 - 09.87	●	0 258 003 037	0 258 986 506	1600	4	
					10.87 - 12.92	●	0 258 005 313	0 258 005 732	1520	4	
E 38	09.94 - 10.01	35 8S 1/2 <M 62 B 35>	8	3.5	09.94 - 09.98	●	0 258 003 559	0 258 986 505	370	4	
					10.98 - 10.01	●	0 258 003 477	0 258 986 505	320	4	
					▲	0 258 003 475	0 258 986 505	580	4		
735Li											
E 66	03.02 - 03.05	N62 B36A <NGV8>	8	3.6	cyls. 1 - 4	●	0 258 007 144		550	5	
					▲	0 258 005 297	0 258 986 505	325	4		
					03.02 - 05.02	cyls. 5 - 8	●	0 258 007 146		680	5
					03.02 - 10.03	cyls. 5 - 8	▲	0 258 005 298	0 258 986 505	325	4
					06.02 - 03.05	cyls. 5 - 8	●	0 258 007 208		620	5
					11.03 - 03.05	cyls. 5 - 8	▲	0 258 005 321	0 258 986 505	450	4
740i											
E 65	04.05 - 10.08	N62 B40A <NGV8>	8	4.0	cyls. 1 - 4	●	0 258 017 049		550	5	
					▲	0 258 006 793	0 258 986 602	325	4		
					cyls. 5 - 8	●	0 258 017 029		620	5	
					▲	0 258 006 794	0 258 986 602	450	4		
F 01	11.08 - 06.12	N54 B30A	6	3.0	cyls. 1 - 3	●	0 258 017 207		1230	5	
					▲	0 258 010 031	0 258 986 602	600	4		
					cyls. 4 - 6	●	0 258 017 206		960	5	
					▲	0 258 010 030	0 258 986 602	560	4		
740i, 740iL											
E 32	09.91 - 10.94	40 8S 1 <M 60 B 40>	8	4.0	●	0 258 005 324	0 258 986 503	570	4		
E 38	06.94 - 06.96	40 8S 1 <M 60 B 40>	8	4.0	●	0 258 003 810	0 258 986 503	600	4		
					01.96 - 08.01	44 8S 1/2 <M 62 B 44>	8	4.4	01.96 - 09.98	●	0 258 003 559
					10.98 - 08.01	●	0 258 003 477	0 258 986 505	320	4	
					▲	0 258 003 475	0 258 986 505	580	4		

**740Li**

E 66	04.05 - 10.08	N62 B40A <NGV8>	8	4.0	cyls. 1 - 4	● 0 258 017 049	550	5
					cyls. 5 - 8	▲ 0 258 006 793 0 258 986 602	325	4
F 02	11.08 - 06.12	N54 B30A	6	3.0	cyls. 1 - 3	● 0 258 017 029	620	5
						▲ 0 258 006 794 0 258 986 602	450	4
					cyls. 4 - 6	● 0 258 017 207	1230	5
						▲ 0 258 010 031 0 258 986 602	600	4
						● 0 258 017 206	960	5
						▲ 0 258 010 030 0 258 986 602	560	4

745i

E 65	11.01 - 03.05	N62 B44A <NGV8>	8	4.4	cyls. 1 - 4	● 0 258 007 144	550	5
						▲ 0 258 005 297 0 258 986 505	325	4
					11.01 - 05.02 cyls. 5 - 8	● 0 258 007 146	680	5
					11.01 - 10.03 cyls. 5 - 8	▲ 0 258 005 298 0 258 986 505	325	4
					06.02 - 03.05 cyls. 5 - 8	● 0 258 007 208	620	5
					11.03 - 03.05 cyls. 5 - 8	▲ 0 258 005 321 0 258 986 505	450	4

745Li

E 66	03.02 - 03.05	N62 B44A <NGV8>	8	4.4	cyls. 1 - 4	● 0 258 007 144	550	5
						▲ 0 258 005 297 0 258 986 505	325	4
					03.02 - 05.02 cyls. 5 - 8	● 0 258 007 146	680	5
					03.02 - 10.03 cyls. 5 - 8	▲ 0 258 005 298 0 258 986 505	325	4
					06.02 - 03.05 cyls. 5 - 8	● 0 258 007 208	620	5
					11.03 - 03.05 cyls. 5 - 8	▲ 0 258 005 321 0 258 986 505	450	4

750i

E 65	04.05 - 10.08	N62 B48B <NGV8>	8	4.8	cyls. 1 - 4	▲ 0 258 006 793 0 258 986 602	325	4
					cyls. 5 - 8	● 0 258 017 029	620	5
						▲ 0 258 006 794 0 258 986 602	450	4
F 01	11.08 - 06.12	N63 B44A	8	4.4		● 0 258 017 187	500	5
						▲ 0 258 006 755 0 258 986 602	560	4

750i, 750iL

E 32	09.87 - 10.94	50 12 A <M 70 B 50>	12	5.0		● 0 258 005 324 0 258 986 503	570	4
E 38	06.94 - 06.01	54 12 1/2 <M 73 B 54>	12	5.4		● 0 258 003 477 0 258 986 505	320	4
					06.94 - 09.98	▲ 0 258 003 475 0 258 986 505	580	4
					06.94 - 08.99	● 0 258 003 559 0 258 986 505	370	4
					10.98 - 06.01	▲ 0 258 003 561 0 258 986 505	765	4

750Li

E 66	04.05 - 10.08	N62 B48B <NGV8>	8	4.8	cyls. 1 - 4	● 0 258 017 049	550	5
						▲ 0 258 006 793 0 258 986 602	325	4
					cyls. 5 - 8	● 0 258 017 029	620	5
						▲ 0 258 006 794 0 258 986 602	450	4
F 02	11.08 - 06.12	N63 B44A	8	4.4		● 0 258 017 187	500	5
						▲ 0 258 006 755 0 258 986 602	560	4

760Li

E 66	12.02 - 10.08	N73 B60... <NGV12>	12	6.0	12.02 - 09.06 cyls. 1 - 6	● 0 258 007 160	620	5
						▲ 0 258 005 297 0 258 986 505	325	4
					cyls. 7 - 12	● 0 258 007 208	620	5
						▲ 0 258 005 298 0 258 986 505	325	4
					10.06 - 10.08 cyls. 1 - 6	● 0 258 017 125	620	5
						▲ 0 258 006 793 0 258 986 602	325	4
					cyls. 7 - 12	● 0 258 017 029	620	5
						▲ 0 258 006 864 0 258 986 602	325	4
F 02	09.09→	N74 B60A	12	6.0		● 0 258 027 005	320	5
						▲ 0 258 010 181 0 258 986 602	600	4





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840Ci										
E 31	09.94 - 12.99	44 8S 1 <M 62 B 44>	8	4.4		▲	0 258 003 475	0 258 986 505	580	4
					Auto Trans.	●	0 258 003 559	0 258 986 505	370	4
					Manual Trans.	●		0 258 986 505		

840i											
E 31	04.93 - 03.96	40 8S 1 <M 60 B 40>	8	4.0	04.93 - 04.94	●	0 258 005 324	0 258 986 503	570	4	
					05.94 - 03.96	Auto Trans.	●	0 258 003 810	0 258 986 503	600	4
						Manual Trans.	●	0 258 005 324	0 258 986 503	570	4

850 CSI										
E 31	08.92 - 10.96	56 12 1 <M 70 B 56>	12	5.6		●	0 258 005 325	0 258 986 503	940	4
					09.93 - 10.96	●	0 258 005 325	0 258 986 503	940	4

850i, 850Ci										
E 31	07.89 - 12.94	50 12 A <M 70 B 50>	12	5.0		●	0 258 005 324	0 258 986 503	570	4

CHERY

J11										
T11	04.05→	SQR484F	4	2.0		●	0 258 005 292	0 258 986 507	400	4

CHRYSLER

Crossfire										
ZH	09.03 - 08.08	EGX	6	3.2		●		0 258 986 602		
						▲	0 258 006 276	0 258 986 615	340	4
					Auto Trans., Left side	▲	0 258 006 276	0 258 986 615	340	4
					Manual Trans., Left side	▲	0 258 006 123	0 258 986 615	260	4
	09.04 - 08.06	EGZ	6	3.2	Right side	▲	0 258 006 167	0 258 986 615	450	4
						●		0 258 986 602		
					Auto Trans., Left side	▲	0 258 006 276	0 258 986 615	340	4
					Manual Trans., Left side	▲	0 258 006 123	0 258 986 615	260	4
	09.04 - 08.08	EGX	6	3.2	Right side	▲	0 258 006 167	0 258 986 615	450	4
						●		0 258 986 602		
					Auto Trans., Left side	▲	0 258 006 276	0 258 986 615	340	4
					Manual Trans., Left side	▲	0 258 006 123	0 258 986 615	260	4
					Right side	▲	0 258 006 167	0 258 986 615	450	4

Grand Voyager										
RS	09.07→	EGL	6	3.8		●	0 258 006 915	0 258 986 602	343	4

Neon										
PL	06.94 - 08.99	ECB	4	2.0	Round connector	●	0 258 005 705	0 258 986 507	330	4
					Square connector	●	0 258 003 275	0 258 986 507	328	4
	09.99 - 12.05	ECB	4	2.0		●	0 258 005 705	0 258 986 507	330	4

PT Cruiser										
PT	06.00 - 12.05	ECC	4	2.0	06.00 - 12.02	●	F 00H L00 121	0 258 005 729	453	4
						▲		0 258 986 507		
					01.03 - 12.03	●	F 00H L00 222		410	4
						▲	F 00H L00 207	0 258 986 507	305	4
					01.04 - 12.05	●		0 258 986 507		
						▲		0 258 986 507		
	06.00 - 12.10	EDZ	4	2.4	06.00 - 12.02	▲		0 258 986 507		
					01.03 - 12.03	▲	F 00H L00 207	0 258 986 507	305	4
					01.04 - 12.10	●		0 258 986 507		
						●		0 258 986 507		
	09.08→	EDZ	4	2.4		●		0 258 986 507		

**Sebring**

JS	09.06 - 08.08	ED3	4	2.4	●	0 258 006 915	0 258 986 602	343	4
					▲	0 258 006 915	0 258 986 602	343	4
		EER	6	2.7	▲		0 258 986 602		

Sebring Convertible

JS	09.06→	EER	6	2.7	●	0 258 006 915	0 258 986 602	343	4
					▲	0 258 006 915	0 258 986 602	343	4

Viper

	06.97→	EWB	10	8.0	●	0 258 005 722	0 258 986 507	493	4
					▲	0 258 005 737	0 258 986 507	495	4

Voyager

GS	03.97 - 12.99	EG...	6	3.3		●	F 00H L00 048	0 258 005 729	340	4	
						▲	F 00H L00 052	0 258 986 507	340	4	
RS	08.00→	EGA GAS	6	3.3	08.00 - 08.00	TLEV vehicle	▲	F 00H L00 065	0 258 986 507	945	4
					08.00 - 12.02		●		0 258 986 507		
					09.01 - 08.03		▲	F 00H L00 240	0 258 986 507	550	4

300C

LX	09.04→	ESF	8	6.1	09.04 - 08.08	▲		0 258 986 602		
LE	10.04→	EGG	6	3.5		●		0 258 986 507		
					Left side	▲		0 258 986 507		
					Right side	▲		0 258 986 507		
						▲		0 258 986 507		
	01.05→	ESF	8	6.1		●		0 258 005 729		
					10.04 - 12.06	●		0 258 005 729		
					01.07→	●		0 258 986 507		
					Left side	▲		0 258 986 507		
					Right side	▲		0 258 986 507		
					01.05 - 12.06	●		0 258 005 729		
					01.07→	●		0 258 986 507		
	10.05→	EXL	6	3.0		●	0 258 017 095		830	5

CITROEN**AX**

	06.88 - 05.90	KDZ Kat. <TU3M> Org. →5292	4	1.4	●	0 258 003 078	0 258 986 506	1130	4
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Berlingo

M49	07.96 - 11.02	KFX <TU3JP> Org. →7874	4	1.4	EURO 2000, CEE 2000 emissions	●	0 258 006 028	0 258 986 615	410	4
					07.96 - 06.98	▲	0 258 006 026	0 258 986 615	1260	4
					EURO 93 - CEE W2 emissions, EURO 96, CEE 95, L3 emissions	●	0 258 003 716	0 258 986 506	410	4
		Org. 7875→	4	1.4	07.98 - 11.02	●		0 258 986 506		
M59	11.02 - 03.10	KFW <TU3JP/TU3A>	4	1.4		●		0 258 986 507		
						▲		0 258 986 507		
B9	05.08→	NFR <TU5JP4B>	4	1.6		●	0 258 006 028	0 258 986 615	410	4
						▲	0 258 006 185	0 258 986 615	565	4

BX

X56	03.86 - 12.94	DFZ Kat. <XU9J1/Z>	4	1.9	03.86 - 06.86	●	0 258 003 004	0 258 986 502	426	3
					07.86 - 12.94	●	0 258 003 078	0 258 986 506	1130	4
	03.88 - 03.93	DFW Kat. <XU9J4/Z>	4	1.9		●	0 258 003 078	0 258 986 506	1130	4





◀ CITROEN

C2										
A6	09.03 - 12.09	NFU <TU5JP4>	4	1.6		▲	0 258 006 185	0 258 986 615	565	4
					Euro 4 emissions	●	0 258 006 028	0 258 986 615	410	4
					IFL5 emission.	●	0 258 006 027	0 258 986 615	565	4
	10.04 - 05.09	NFS <TU5JP4S>	4	1.6		▲	0 258 006 185	0 258 986 615	565	4
					Euro 4 emissions	●	0 258 006 028	0 258 986 615	410	4
					IFL5 emission.	●	0 258 006 027	0 258 986 615	565	4
C3										
A8	01.02 - 08.05	KFV <TU3JP>	4	1.4		●		0 258 986 507		
						▲		0 258 986 507		
		NFU <TU5JP4>	4	1.6		●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 185	0 258 986 615	565	4
A42	05.03→	NFU <TU5JP4>	4	1.6		▲	0 258 006 185	0 258 986 615	565	4
					IFL5 emission.	●	0 258 006 027	0 258 986 615	565	4
					L5 emission	●	0 258 006 028	0 258 986 615	410	4
A31	09.05 - 05.09	NFU <TU5JP4>	4	1.6		●	0 258 006 028	0 258 986 615	410	4
						▲	0 258 006 185	0 258 986 615	565	4
	09.05 - 09.09	KFV <TU3A/TU3JP>	4	1.4		▲		0 258 986 507		
					Euro 3 emissions, Both Petrol & Gas engines	●		0 258 986 507		
					Euro 3 emissions, Petrol engines only.	●	0 258 006 027	0 258 986 615	565	4
A51	09.09→	5FS <EP6C>	4	1.6		●	0 258 017 217		320	5
						▲		0 258 986 602		
C4										
B5	11.04 - 03.08	RFK <EW10J4S>	4	2.0		●	0 258 006 029	0 258 986 615	1510	4
						▲	0 258 006 026	0 258 986 615	1260	4
	11.04 - 07.08	NFU <TU5JP4>	4	1.6		●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 185	0 258 986 615	565	4
	07.08 - 07.09	5FT <EP6DT>	4	1.6		●	0 258 017 209		710	5
						▲		0 258 986 602		
	07.08 - 09.10	5FX <EP6DT>	4	1.6		●	0 258 010 081		565	4
						▲		0 258 986 602		
C4 Picasso										
B58	09.10→	RHH <DW10CTED4/FAP>	4	2.0		●	0 281 004 130		410	5
C5										
X4	03.01 - 09.04	RFN <EW10J4>	4	2.0		●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 431	0 258 986 615	1860	4
		XFX <ES9J4S>	6	3.0		●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 185	0 258 986 615	565	4
	06.01 - 09.04	RFN <EW10J4>	4	2.0		●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 431	0 258 986 615	1860	4
		XFX <ES9J4S>	6	3.0		●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 185	0 258 986 615	565	4
X3	10.04 - 09.05	4HX <DW12TED4>	4	2.2		●	0 281 004 051		410	5
	10.04 - 04.07	XFU <ES9A>	6	3.0		●	0 258 006 027	0 258 986 615	565	4
					Front	▲	0 258 006 185	0 258 986 615	565	4
					Rear	▲	0 258 006 186	0 258 986 615	1260	4
	03.06 - 03.08	4H... <DW12BTED4>	4	2.2		●	0 281 004 051		410	5
	04.06 - 03.08	4H... <DW12BTED4>	4	2.2		●	0 281 004 051		410	5
X7	07.09→	X8Z <DT20C>	6	3.0		●	0 281 004 124		410	5
	09.09→	5FV <EP6CDT>	4	1.6		●	0 258 010 081		565	4
						▲		0 258 986 602		
		RHH <DW10CTED4>	4	2.0		●	0 281 004 130		410	5



C6											
X6	11.05 - 02.09	XFV <ES9A>	6	3.0		●	0 258 006 027	0 258 986 615	565	4	
						▲	0 258 006 185	0 258 986 615	565	4	
DS3											
A55	01.10→	8F... <EP3C>	4	1.4		●	0 258 017 217		320	5	
						▲		0 258 986 602			
		5FR <EP6DT>	4	1.6		●	0 258 010 081		565	4	
						▲		0 258 986 602			
DS4											
B75	03.11→	5FU <EP6CDTX>	4	1.6		▲		0 258 986 602			
		5FV <EP6CDT>	4	1.6		●	0 258 010 081		565	4	
						▲		0 258 986 602			
Xantia											
X1	03.93 - 01.98	RFX Kat. <XU10J2C/Z, L3>									
		Org. →6779	4	2.0	03.93 - 05.95	●	0 258 003 239	0 258 986 506	480	4	
		Org. 6780→	4	2.0	06.95 - 01.98	●	0 258 003 668	0 258 986 506	555	4	
		12.94 - 01.98	RFV <XU10J4R>	4	2.0		●	0 258 003 719	0 258 986 506	1510	4
		05.95 - 01.98	RGX <XU10J2CTE>	4	2.0		●	0 258 003 668	0 258 986 506	555	4
X2	12.97 - 12.01	RFV <XU10J4R>	4	2.0		●	0 258 003 719	0 258 986 506	1510	4	
		RFX <XU10J2C/L3>;	4	2.0		●	0 258 003 717	0 258 986 506	565	4	
		RGX <XU10J2TE>									
Xantia Break											
X1	09.95 - 01.98	RFX Kat. <XU10J2C/Z, L3>	4	2.0		●	0 258 003 668	0 258 986 506	555	4	
X2	01.98 - 12.01	XFZ <ES9J4>	6	3.0		●	0 258 003 754	0 258 986 503	565	4	
XM											
Y3	05.89 - 06.93	SFZ,S6A <ZPJ>									
		Org. →5347	6	3.0	06.89 - 05.91	●	0 258 003 088	0 258 986 503	1500	4	
		Org. 5348→	6	3.0	06.91 - 06.93	●	0 258 003 204	0 258 986 503	1500	4	
		06.93 - 06.94	UFZ <ZPJ>	6	3.0		●	0 258 003 204	0 258 986 503	1500	4
Y4	07.94 - 12.97	UFZ <ZPJ>	6	3.0		●	0 258 003 359	0 258 986 503	1510	4	
	09.97 - 10.00	XFZ <ES9J4>	6	3.0		●	0 258 003 754	0 258 986 503	565	4	
Xsara											
N6	07.97 - 08.00	NFZ <TU5JP>									
		Org. →7706	4	1.6	07.97 - 12.97	●	0 258 003 716	0 258 986 506	410	4	
		Org. 7707→	4	1.6	01.98 - 08.00	●	0 258 006 028	0 258 986 615	410	4	
		LFY <XU7JP4>	4	1.8		●		0 258 986 506			
		LFZ <XU7JP>	4	1.8		●	0 258 003 718	0 258 986 506	1265	4	
		RFS <XU10J4RS>	4	2.0		●	0 258 003 718	0 258 986 506	1265	4	
		RFV <XU10J4R>	4	2.0		●	0 258 003 717	0 258 986 506	565	4	
N7	09.00 - 12.05	NFU <TU5JP4>	4	1.6		●	0 258 006 027	0 258 986 615	565	4	
						▲	0 258 006 185	0 258 986 615	565	4	
		RFN <EW10J4>	4	2.0		●	0 258 006 027	0 258 986 615	565	4	
						▲	0 258 006 029	0 258 986 615	1510	4	
		RFS <XU10J4RS>	4	2.0		●	0 258 006 026	0 258 986 615	1260	4	
						▲	0 258 006 029	0 258 986 615	1510	4	





DAEWOO

Cielo										
	08.94 - 08.97	A15MF <DOHC>; G15MF <SOHC>	4	1.5		●	0 258 002 014	0 258 986 501	400	1
Espero										
KLEJ	09.93 - 10.94	C20LE	4	2.0		●	0 258 002 014	0 258 986 501	400	1
	03.97 - 10.99	C20LE	4	2.0		●	0 258 002 014	0 258 986 501	400	1
Kalos										
	05.02 - 12.04	F15S3 <SOHC Family I> Chass.no →580669	4	1.5		●		0 258 986 501		
Lacetti										
KLAM	03.04 - 01.05	T18SED	4	1.8		●		0 258 986 602		
Lanos										
KLAT	11.96 - 09.03	A15SMS <E-TEC>	4	1.5		●	0 258 002 014	0 258 986 501	400	1
					▲	0 258 005 703	0 258 005 732	335	4	
		Chass.no →595888	4	1.5		●	0 258 002 014	0 258 986 501	400	1
		Chass.no 595889→	4	1.5		●		F 00H L00 091		
	04.97 - 09.03	A16DMS	4	1.6		▲	0 258 005 703	0 258 005 732	335	4
		Chass.no →595888	4	1.6		●	0 258 002 014	0 258 986 501	400	1
		Chass.no 595889→	4	1.6		●		F 00H L00 091		
		A16DMS <E-TEC>	4	1.6		▲	0 258 005 703	0 258 005 732	335	4
		Chass.no →595888	4	1.6		●	0 258 002 014	0 258 986 501	400	1
		Chass.no 595889→	4	1.6		●		F 00H L00 091		
	04.00 - 05.03	A15SMS <SOHC Family I>	4	1.5		●	0 258 002 014	0 258 986 501	400	1
Leganza										
KLAV, V100	03.97 - 12.02	X20SED	4	2.0		●	0 258 002 014	0 258 986 501	400	1
		Chass.no 289554→	4	2.0		●		F 00H L00 091		
					▲	0 258 005 703	0 258 005 732	335	4	
	09.98 - 12.02	T22SED	4	2.2		●	0 258 002 028	F 00H L00 091	347	2
					▲	0 258 005 703	0 258 005 732	335	4	
Matiz										
KLYA	04.98 - 01.05	F8CV	3	0.8		▲		0 258 986 602		
		Chass.no →47162	3	0.8		●	0 258 005 703	0 258 005 732	335	4
		Chass.no 471673→, →585105	3	0.8		●		0 258 986 602		
Euro 2 emissions										
Euro 2 emissions										
Musso										
MJ	01.96 - 12.00	M162 E32 <MB-M 104.992>	6	3.2		●	0 258 003 782	0 258 986 505	347	4
Nubira										
KLAJ, J100	09.97 - 09.99	A16DMS <L44>	4	1.6		▲		0 258 986 602		
		Chass.no →580669	4	1.6		●	0 258 002 014	0 258 986 501	400	1
KLAJ, 150, 190	10.99 - 06.03	X20SED	4	2.0		▲	F 00H L00 170	0 258 005 732	860	4
		Chass.no →642920	4	2.0		●	0 258 002 014	0 258 986 501	400	1
		Chass.no 642921→	4	2.0		●		F 00H L00 091		
Euro 2 emissions										
Euro 3 emissions										
Tacuma										
KLAU	09.00 - 01.05	T20SED	4	2.0		●		F 00H L00 091		
					▲	0 258 005 703	0 258 005 732	335	4	



DAIHATSU

Applause

06.89 - 07.97	HDE <Kat.>	4	1.6	●	0 258 986 501		
06.89 - 12.99	HDE	4	1.6	●	0 258 002 051	0 258 002 031	540 1
09.97 - 04.00	HDE <Kat.>	4	1.6	●	0 258 986 501		

Charade

G102	06.88 - 10.90	HCE <Kat.>	4	1.3	●	0 258 986 501		
	11.90 - 12.92	HCE	4	1.3	●	0 258 002 051	0 258 002 031	540 1
		HCE <Kat.>	4	1.3	●	0 258 986 501		
G200	01.93 - 09.00	HCE <Kat.>	4	1.3	●	0 258 986 501		
	05.93 - 04.96	HCE	4	1.3	●	0 258 002 031		
G203	08.94 - 06.00	HEEG	4	1.5	●	0 258 986 501		
L251	03.03 - 12.07	EJ	3	1.0	●	0 258 986 507		

Copen

L880	05.02 - 12.05	JB-DET	4	0.7	●	0 258 986 602		
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Cuore

L701	10.98 - 12.02	EJDE	3	1.0	10.98 - 12.01	●	0 258 986 501	
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Feroza

F300	10.88 - 10.99	HDE	4	1.6	●	0 258 986 501		
F310	05.92 - 10.99	HDE <Kat.>	4	1.6	●	0 258 986 501		

Mira

L200	01.92 - 12.95	EFEL	3	0.7	●	0 258 986 501		
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Move

L601	01.97 - 09.98	ED20	3	0.9	●	0 258 986 501		
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Pyzar

G303G	08.96 - 07.02	HEEG	4	1.5	●	0 258 986 501		
	08.98 - 12.00	HD	4	1.6	●	0 258 986 501		

Rocky

	10.87 - 01.89	3YE	4	2.0	●	0 258 002 031		
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Sirion

M100	04.98 - 05.00	EJDE	3	1.0	●	0 258 986 501		
M101	08.00 - 07.04	K3VE	4	1.3	●	0 258 986 602		

Terios

J100	03.97 - 05.00	HCEJ	4	1.3	●	0 258 986 501		
J102	05.00 - 12.05	K3VE	4	1.3	●	0 258 986 602		

YRV

M201G	08.00 - 04.05	K3VE	4	1.3	▲	F 00H L00 091		
				08.00 - 12.01	●	0 258 986 602		
M201	08.00 - 07.05	K3	4	1.3	08.00 - 12.01	●	0 258 986 602	
					▲	0 258 986 602		





DODGE

Avenger

JS	09.07 - 08.10	EER	6	2.7	▲	0 258 986 507		
	09.07 - 08.11	ECN	4	2.0 09.07 - 08.10	●	0 258 006 915	0 258 986 602	343 4
					▲	0 258 006 915	0 258 986 602	343 4
		ED3	4	2.4 09.07 - 08.10	●	0 258 006 915	0 258 986 602	343 4
					▲	0 258 006 915	0 258 986 602	343 4

Caliber

PM	09.06 - 08.10	EBA	4	1.8	●	0 258 006 915	0 258 986 602	343 4
					▲	0 258 006 915	0 258 986 602	343 4
	09.06 - 12.10	ECN	4	2.0 09.06 - 08.10	●	0 258 006 915	0 258 986 602	343 4
					▲	0 258 006 915	0 258 986 602	343 4
	09.06 - 08.11	ED...	4	2.4 09.06 - 08.10	●	0 258 006 915	0 258 986 602	343 4
					▲	0 258 006 915	0 258 986 602	343 4
	09.08→	ECN	4	2.0	●	0 258 006 915	0 258 986 602	343 4
					▲	0 258 006 915	0 258 986 602	343 4

Nitro

KA	09.06 - 08.09	EN...	4	2.8	●	0 258 017 090		350 5
	09.06 - 08.11	EKG	6	3.7	●		0 258 986 507	
					▲		0 258 986 507	

FERRARI

F50

	07.95 - 10.97		12	4.7	●	0 258 003 309	0 258 986 506	600 4
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Mondial

	01.86 - 12.87	F 105 C..Kat.	8	3.2	●	0 258 003 957	0 258 986 502	1236 3
	02.90 - 02.94	F 119 D	8	3.4 02.90 - 06.91	●	0 258 003 222	0 258 986 506	911 4
				07.91 - 02.94	●	0 258 003 222	0 258 986 506	911 4

328GTS

	09.84 - 09.89	F 105 C..	8	3.2	●	0 258 003 957	0 258 986 502	1236 3
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348

	02.90 - 04.94	F 119 F 000	8	3.4 02.90 - 06.91	●	0 258 003 222	0 258 986 506	911 4
				07.91 - 04.94	●	0 258 003 222	0 258 986 506	911 4
	08.90 - 04.94	F 119 F 000	8	3.4 08.90 - 06.91	●	0 258 003 222	0 258 986 506	911 4

355

	05.94 - 10.99	F129B/40	8	3.5	●	0 258 003 309	0 258 986 506	600 4
	10.95→	F129C/40	8	3.5	●	0 258 003 819	0 258 986 507	600 4
					▲	0 258 003 820	0 258 986 505	1000 4

360

	03.99 - 12.04	F131	8	3.6	●	0 258 007 001		500 5
					▲	0 258 006 196	0 258 986 615	1200 4
	06.00→	F131B	8	3.6	●	0 258 007 001		500 5
					▲	0 258 006 196	0 258 986 615	1200 4

456

	03.96 - 12.04	F 116 V12	12	5.5	●	0 258 003 819	0 258 986 507	600 4
					▲	0 258 003 820	0 258 986 505	1000 4



456GT									
	01.93 - 03.96	F 116 B 00	12	5.5		●	0 258 003 309	0 258 986 506	600 4

458 Italia									
	03.10→		8	4.5		●	0 258 017 171		500 5

512									
	01.92 - 10.94	F 113 D 00/40	12	5.0		●	0 258 003 222	0 258 986 506	911 4

550									
	10.96→	F 133	12	5.5		●	0 258 003 819	0 258 986 507	600 4
						▲	0 258 003 820	0 258 986 505	1000 4

575									
	02.02→	F 133 48V	12	5.7		●	0 258 006 486	0 258 986 615	700 4

FIAT

Abarth 500									
312	05.08→	312 A1.000 <M20>	4	1.4		●	0 258 006 206	0 258 986 615	325 4
					Auto Trans.	▲	0 258 010 167	0 258 986 615	795 4
					Manual Trans.	▲	0 258 006 375	0 258 986 615	630 4

Abarth 695									
312	05.08→	312 A3.000	4	1.4		●	0 258 006 206	0 258 986 615	325 4
					Auto Trans.	▲	0 258 010 167	0 258 986 615	795 4
					Manual Trans.	▲	0 258 006 375	0 258 986 615	630 4

Croma									
154	03.88 - 12.89	834 B.048	4	2.0		●	0 258 003 957	0 258 986 502	1236 3

Ducato									
250	06.06→	F1AE0481D <M94>	4	2.3		●	0 281 004 026		400 5

Punto									
199	10.05→	350 A1.000 <M11>	4	1.4		●	0 258 006 206	0 258 986 615	325 4
						▲	0 258 006 206	0 258 986 615	325 4
		939 A1.000 <M88>	4	1.9		●	0 281 004 026		400 5
	01.06→	199 A5.000 <M89>	4	1.9		●	0 281 004 026		400 5
	06.06→	199 A7.000 <M12>	4	1.4		●	0 258 006 206	0 258 986 615	325 4
	06.07→	198 A4.000 <M20>	4	1.4		●	0 258 006 206	0 258 986 615	325 4
						▲	0 258 006 375	0 258 986 615	630 4

Ritmo									
198	03.07 - 12.09	192 A8.000 <M88>	4	1.9		●	0 281 004 026		400 5
	04.07 - 12.09	937 A5.000 <M92>	4	1.9		●	0 281 004 026		400 5
	07.07 - 12.09	198 A1.000 <M21>	4	1.4		●	0 258 006 206	0 258 986 615	325 4
						▲	0 258 006 375	0 258 986 615	630 4

124									
	06.79 - 04.85	132 C3.031	4	2.0	06.79 - 08.81	●	0 258 001 051	0 258 986 501	500 1
					09.81 - 04.85	●	0 258 001 051	0 258 986 501	500 1

500									
312	07.07→	169 A4.000 <M8>	4	1.2		▲		0 258 986 507	
					non Start-Stop veh.	●		0 258 986 507	
		169 A3.000 <M17>	4	1.4		●	0 258 006 206	0 258 986 615	325 4
						▲	0 258 010 046	0 258 986 615	560 4



F



FORD

Capri Convertible

SA	10.89 - 09.90	F	4	1.6	●	0 258 002 054	0 258 986 501	590	1
SA II	10.90 - 03.92	D; T	4	1.6	●	0 258 002 054	0 258 986 501	590	1
SC	04.92 - 07.93	D	4	1.6	●	0 258 002 054	0 258 986 501	590	1
	07.92 - 07.93	T	4	1.6	●	0 258 002 054	0 258 986 501	590	1
SE	08.93 - 07.94	D; T	4	1.6	●	0 258 002 054	0 258 986 501	590	1

Corsair

UA	09.88 - 08.92	CA20E	4	2.0	●		0 258 986 501		
		KA24E	4	2.4	●		0 258 986 501		

Cougar

SW/SX	06.99 - 12.00	LCBC <MP25 Duratec-VE SEFI>	6	2.5	▲	0 258 005 717	0 258 986 507	422	4
				06.99 - 12.99	●	F 00H L00 034	0 258 986 507	670	4
				01.00 - 12.00	●	0 258 005 716	0 258 986 507	300	4

Courier

PC	09.90 - 05.99	G6	4	2.6	2-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
					4-pin connection	●	0 258 005 708	0 258 986 507	510	4
PD	03.96 - 11.99	G6	4	2.6	2-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
					4-pin connection	●	0 258 005 708	0 258 986 507	510	4
	05.96 - 01.99	G6	4	2.6	4-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
PE	02.99 - 10.02	G6	4	2.6	2-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
					4-pin connection	●	0 258 005 708	0 258 986 507	510	4
PG	11.02 - 08.04	G6	4	2.6	2-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
					4-pin connection	●	0 258 005 708	0 258 986 507	510	4
PH	09.04 - 01.06	G6	4	2.6	2-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
					4-pin connection	●	0 258 005 708	0 258 986 507	510	4

Escape

ZA	09.00 - 08.05	Duratec	6	3.0		●	0 258 005 718	0 258 986 507	511	4	
						▲	0 258 005 718	0 258 986 507	511	4	
					Left side	●	0 258 005 718	0 258 986 507	511	4	
	09.00 - 08.08	Duratec	6	3.0	09.05 - 08.06	Right side	●	0 258 005 718	0 258 986 507	511	4
						2 required	●		0 258 005 729		
					09.05 - 08.08	Left side	●	0 258 005 716	0 258 986 507	300	4
						Right side	▲	0 258 005 718	0 258 986 507	511	4
BA	12.00 - 08.08	Duratec <1>	6	3.0		●	0 258 005 718	0 258 986 507	511	4	
						▲	0 258 005 718	0 258 986 507	511	4	
						●	0 258 005 717	0 258 986 507	422	4	
	01.04→	L3 <L3 MZR>	4	2.3		▲	0 258 005 718	0 258 986 507	511	4	
ZB	09.05 - 08.08	Duratec	6	3.0	Left side	●	0 258 005 716	0 258 986 507	300	4	
					Right side	▲	0 258 005 718	0 258 986 507	511	4	
					09.05 - 08.06	Right side	●	0 258 005 718	0 258 986 507	511	4

Explorer

UN/UP/UQ/US	09.95 - 08.01		8	5.0	2 required	▲	0 258 005 716	0 258 986 507	300	4
				09.95 - 08.99	Left side	●	0 258 005 716	0 258 986 507	300	4
					Right side	●	0 258 005 717	0 258 986 507	422	4
					2 required	●		0 258 005 729		
				09.99 - 08.01	2 required	●	0 258 986 603	0 258 986 602	422	4
	09.96 - 08.00		6	4.0		▲		0 258 005 729		
					Auto Trans.	▲	0 258 005 718	0 258 986 507	511	4
				09.96 - 08.99	Right side	●	0 258 005 717	0 258 986 507	422	4



UN/UP/UQ/US	09.96 - 08.01	6	4.0	09.96 - 08.97	●	0 258 005 717	0 258 986 507	422	4
				09.96 - 08.99	●		0 258 005 729		
				Manual Trans.	▲	0 258 005 719	0 258 986 507	640	4
				09.96 - 08.00	▲		0 258 005 729		
				Auto Trans.	▲	0 258 005 718	0 258 986 507	511	4
				09.97 - 08.99	●	0 258 005 718	0 258 986 507	511	4
				Left side	●	0 258 005 717	0 258 986 507	422	4
				Right side	●	0 258 005 717	0 258 986 507	422	4
				09.99 - 08.00	▲	0 258 005 716	0 258 986 507	300	4
				Manual Trans.	▲	0 258 005 716	0 258 986 507	300	4
UT/UX/UZ	09.01 - 08.05	6	4.0	2 required	●	0 258 986 603	0 258 986 602	422	4
					▲		0 258 005 729		
				Left side	▲	0 258 005 716	0 258 986 507	300	4
				2 required	●	0 258 986 603	0 258 986 602	422	4
				09.02 - 08.05	▲	0 258 005 717	0 258 986 507	422	4
				Right side	▲	0 258 005 717	0 258 986 507	422	4
				09.04 - 08.05	●	0 258 986 625		310	4
				2 required	●	0 258 986 625		310	4
				...	▲	0 258 005 716	0 258 986 507	300	4
				09.01 - 08.03	▲	0 258 005 717	0 258 986 507	422	4
	09.05 - 01.08	6	4.0	Left side	▲	0 258 005 716	0 258 986 507	300	4
				Right side	▲	0 258 005 717	0 258 986 507	422	4
				2 required	●	0 258 005 716	0 258 986 507	300	4
				09.03 - 08.05	●	0 258 986 625	0 258 986 602	310	4
				2 required	▲	0 258 005 717	0 258 986 507	422	4
					▲	0 258 005 717	0 258 986 507	422	4
				2 required	●	0 258 986 625	0 258 986 602	310	4
					●	0 258 986 625	0 258 986 602	310	4
					●	0 258 986 625	0 258 986 602	310	4
					●	0 258 986 625	0 258 986 602	310	4

Fairlane

NA	06.88 - 09.89	P	6	3.9	●	0 258 003 950	0 258 986 502	422	3
NA II	10.89 - 06.91	P	6	3.9	●	0 258 003 950	0 258 986 502	422	3
NC	07.91 - 02.92	P	6	3.9	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
NC II	03.92 - 02.95	H	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
NF	03.95 - 09.95	H	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
NF II	10.95 - 08.96	H	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
NL	09.96 - 02.99	H; X	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
AU	02.99 - 06.00	Y	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
AU II	07.00 - 02.03	Y	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
BA	07.03 - 02.05	H <Barra 182>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Barra 220>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
BA II	03.05 - 09.05	H <Barra 182>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Barra 220>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
BF	10.05 - 12.07	H <Barra 190>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Barra 230>	8	5.4	●	0 258 005 717	0 258 986 507	422	4

Falcon / Fairmont (inc G & XR Series)

EA	03.88 - 12.88	A <CFI>	6	3.2	●	0 258 003 950	0 258 986 502	422	3
		D <CFI>; P <MPFI>	6	3.9	●	0 258 003 950	0 258 986 502	422	3
EA II	10.89 - 06.91	D <CFI>; P <MPFI>	6	3.9	●	0 258 003 950	0 258 986 502	422	3
EB	07.91 - 02.92	D <CFI>; P <MPFI>	6	3.9	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
EB II	03.92 - 07.93	H	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
	10.92 - 04.93	J	8	5.0	●	0 258 003 950	0 258 986 502	422	3
	10.92 - 07.93	X	6	4.0	●	0 258 003 950	0 258 986 502	422	3
ED	08.93 - 07.94	X	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		H	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		T; Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
EF	09.94 - 09.95	H; X	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3



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FORD

EF II	10.95 - 08.96	H; X	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
EL	09.96 - 08.98	H; X	6	4.0	●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0	●	0 258 003 950	0 258 986 502	422	3
AU	09.98 - 02.00	X	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
	09.98 - 03.00	H	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
AU II	04.00 - 03.01	H	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		X	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
	04.00 - 09.01	H	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
	07.00 - 03.01	S	6	4.0	●	0 258 986 603	0 258 986 602	422	4
AU III	04.01 - 09.02	H	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		S; X	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
	10.01 - 09.02	H	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0	●	0 258 986 603	0 258 986 602	422	4
BA	10.02 - 09.04	H <Barra 182>; S <GAS>; Y <Barra 240T>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Barra 220>; Z <Boss 260>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
BA II	10.04 - 09.05	H <Barra 182>; S <GAS>; Y <Barra 240T>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Barra 220>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
	03.05 - 09.05	Z <Boss 260>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
BF	10.05 - 09.06	H <Barra 190>; S <Egas>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y <Barra 245T>	6	4.0	10.05 - 01.06 02.06 - 09.06	● 0 258 986 603	0 258 986 602	422	4
		Z <Barra 230>; Z <Boss 260>	8	5.4	●	0 258 005 717	0 258 986 507	422	4
BF II	10.06 - 05.08	H <Barra 190>; S <Egas>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y <Barra 245T>	6	4.0	●	0 258 005 717	0 258 986 507	422	4
		Z <Barra 230>; Z <Boss 260>	8	5.4	●	0 258 005 717	0 258 986 507	422	4
FG	04.08→	Y <Barra 270T>	6	4.0	●	0 258 005 717	0 258 986 507	422	4
		Z <Boss 290>	8	5.4	●	0 258 005 717	0 258 986 507	422	4
BF III	05.08→	H <Barra 190>	6	4.0	●	0 258 986 603	0 258 986 602	422	4

Falcon Utility / Van (inc XR Series)

XG	03.93 - 03.96	H	6	4.0	●	0 258 003 950	0 258 986 502	422	3
	10.93 - 03.96	X	6	4.0	●	0 258 003 950	0 258 986 502	422	3
AU II	04.00 - 09.01	H <Intech>; S <GAS>; X <Intech>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Intech>	8	5.0	●	0 258 986 603	0 258 986 602	422	4
AU III	10.01 - 09.02	H <Intech>; S <GAS>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Intech>	8	5.0	●	0 258 986 603	0 258 986 602	422	4
BA	10.02 - 09.04	H <Barra 182>; S <GAS>; Y <Barra 240T>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Barra 220>; Z <Boss 260>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
BA II	10.04 - 09.05	H <Barra 182>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		S <GAS>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Z <Barra 220>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
	03.05 - 09.05	H <Barra 182>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y <Barra 240T>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
BF	10.05 - 09.06	Z <Boss 260>	8	5.4	●	0 258 986 603	0 258 986 602	422	4
		H <Barra 190>; S <GAS>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y <Barra 245T>	6	4.0	10.05 - 01.06 02.06 - 09.06	● 0 258 986 603	0 258 986 602	422	4



BF	10.05 - 09.06	Z <Barra 220>; Z <Boss 260>	8	5.4	●	0 258 005 717	0 258 986 507	422	4
BF II	10.06 - 05.08	H <Barra 190>; S <GAS>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
		Y <Barra 245T>	6	4.0	●	0 258 005 717	0 258 986 507	422	4
		Z <Barra 220>; Z <Boss 260>	8	5.4	●	0 258 005 717	0 258 986 507	422	4
FG	04.08→	Y <Barra 270T>	6	4.0	●	0 258 005 717	0 258 986 507	422	4
		Z <Boss 260>	8	5.4	●	0 258 005 717	0 258 986 507	422	4

Festiva

WB	04.94 - 12.96	U	4	1.3	●	0 258 002 054	0 258 986 501	590	1
WBII	02.97 - 12.97	U	4	1.3	●		0 258 986 501		
		E	4	1.5	●		0 258 986 501		
WF	01.98 - 12.00	U	4	1.3	●		0 258 986 501		
		E	4	1.5	●		0 258 986 501		

Fiesta

JD, JH	11.01 - 09.08	FYJ... <Duratec 16V SFI>	4	1.6	Auto Trans.	▲	0 258 986 507		
					Manual Trans.	▲	0 258 986 602		
					11.01 - 07.08	●	0 258 986 507		
					08.08 - 09.08	●	0 258 986 602		
WQ	06.07 - 09.08	N4JB <Duratec 16V SFI>	4	2.0		●	0 258 006 573	0 258 986 602	435 4
						▲	0 258 006 713	0 258 986 602	758 4
JD, JH	07.08→	SPJ... <Euro4/Euro5>	4	1.4	07.08 - 07.09 Manual Trans.	▲	0 258 986 602		
					07.08 - 03.10	●	0 258 986 602		
WS/WT	07.08→	HXJ... <Euro4/Euro5>	4	1.6	07.08 - 07.09	●	0 258 986 602		
						▲	0 258 986 602		

Focus

LR	06.02 - 05.05	EYDC <ZH18,Zetec-E,SFI>	4	1.8		●	0 258 986 507		
						▲	0 258 986 615		
		ALDA <Duratec-ST>	4	2.0		●	0 258 005 717	0 258 986 507	422 4
						▲	0 258 005 717	0 258 986 507	422 4
		EDDC <ZH20,Zetec-E,SFI>	4	2.0		●	0 258 986 507		
						▲	0 258 986 615		
LS	07.04 - 01.08	AOD... <Duratec-HE>	4	2.0		●	0 258 006 573	0 258 986 602	435 4
						▲	0 258 006 569	0 258 986 602	660 4
LS/LT	04.06 - 01.08	HYDA <Duratec-ST>	5	2.5		●	0 258 007 239		620 5
						▲	0 258 010 165	0 258 986 602	
LS	07.06 - 07.10	AOD... <Duratec-HE>	4	2.0		●	0 258 006 573	0 258 986 602	435 4
						▲	0 258 006 569	0 258 986 602	660 4
DA, HC	12.07 - 12.11	AOD... <Euro4/Euro5>	4	2.0		●	0 258 006 573	0 258 986 602	435 4
						▲	0 258 006 569	0 258 986 602	660 4
LV	06.08 - 12.11	HYDA <Euro4>	5	2.5		●	0 258 007 239		620 5
						▲	0 258 010 165	0 258 986 602	
	01.09 - 12.11	JZDA <Euro4>	5	2.5		●	0 258 007 239		620 5
						▲	0 258 010 165	0 258 986 602	

FPV Force 6

BF II	10.06 - 05.08	Y <F6 270>	6	4.0	●	0 258 005 717	0 258 986 507	422	4
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FPV Force 8

BF II	10.06 - 05.08	Z	8	5.4	●	0 258 005 717	0 258 986 507	422	4
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FPV F6

FG	05.08→	Y <F6 310>	6	4.0	●	0 258 005 717	0 258 986 507	422	4
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FPV F6 Tornado

BA II	01.05 - 09.05	Y <F6 270>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
BF	10.05 - 09.06	Y <F6 270>	6	4.0	10.05 - 01.06	●	0 258 986 603	0 258 986 602	422 4
					02.06 - 09.06	●	0 258 005 717	0 258 986 507	422 4
BF II	10.06 - 05.08	Y <F6 270>	6	4.0	●	0 258 005 717	0 258 986 507	422	4



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FPV F6 Typhoon									
BA II	10.04 - 09.05	Y <F6 270>	6	4.0		●	0 258 986 603	0 258 986 602	422 4
BF	10.05 - 09.06	Y <F6 270>	6	4.0	10.05 - 01.06	●	0 258 986 603	0 258 986 602	422 4
					02.06 - 09.06	●	0 258 005 717	0 258 986 507	422 4
BF II	10.06 - 05.08	Y <F6 270>	6	4.0		●	0 258 005 717	0 258 986 507	422 4
FPV F6 UTE									
FG	05.08→	Y <F6 310>	6	4.0		●	0 258 005 717	0 258 986 507	422 4
FPV GT									
BA	02.03 - 09.04	Z <Boss 290>	8	5.4		●	0 258 986 603	0 258 986 602	422 4
BA II	10.04 - 09.05	Z <Boss 290>	8	5.4		●	0 258 986 603	0 258 986 602	422 4
BF	10.05 - 09.06	Z <Boss 290>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
BF II	10.06 - 05.08	Z <Boss 302>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
FG	05.08→	Z <Boss 315>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
FPV GT-P									
BA	02.03 - 09.04	Z <Boss 290>	8	5.4		●	0 258 986 603	0 258 986 602	422 4
BA II	10.04 - 09.05	Z <Boss 290>	8	5.4		●	0 258 986 603	0 258 986 602	422 4
BF	10.05 - 09.06	Z <Boss 290>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
BF II	10.06 - 05.08	Z <Boss 302>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
FPV Pursuit									
BA	02.03 - 09.04	Z <Boss 290>	8	5.4		●	0 258 986 603	0 258 986 602	422 4
BA II	10.04 - 09.05	Z <Boss 290>	8	5.4		●	0 258 986 603	0 258 986 602	422 4
BF	10.05 - 09.06	Z <Boss 290>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
BF II	10.06 - 05.08	Z <Boss 302>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
FG	05.08→	Z <Boss 315>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
FPV Super Pursuit									
BA II	06.05 - 09.05	Z <Boss 290>	8	5.4		●	0 258 986 603	0 258 986 602	422 4
BF	10.05 - 09.06	Z <Boss 290>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
BF II	10.06 - 05.08	Z <Boss 302>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
FG	05.08→	Z <Boss 315>	8	5.4		●	0 258 005 717	0 258 986 507	422 4
F-100									
	09.80 - 08.81		8	5.8		●		0 258 986 501	
F150									
	09.87 - 08.91		8	5.8	09.87 - 08.89	●		0 258 005 725	
					Ascertain in vehicle	●	0 258 003 953	0 258 986 502	511 3
					09.89 - 08.91	●		0 258 005 729	
	04.90 - 12.93		8	5.8	2 required	●		0 258 005 729	
F250									
	09.79 - 08.85		8	5.8	09.80 - 08.85	●		0 258 986 501	
	09.87 - 08.91		8	5.8	09.87 - 08.89	●	0 258 003 953	0 258 986 502	511 3
					09.88 - 08.91	●		0 258 005 729	
					09.89 - 08.91	●	0 258 005 716	0 258 986 507	300 4
							0 258 005 718	0 258 986 507	511 4
	01.01 - 09.07	<5,4L SOHC V8>	8	5.4		●	0 258 005 716	0 258 986 507	300 4
F350									
	09.83 - 12.85		8	5.8		●		0 258 986 501	
	09.86 - 08.91		6	4.9		▲	0 258 005 718	0 258 005 729	511 4
								0 258 986 507	511 4
					09.86 - 08.89	●	0 258 003 953	0 258 986 502	511 3
					09.89 - 08.91	●		0 258 005 729	
	09.87 - 08.91		8	5.8	09.87 - 08.89	●	0 258 003 953	0 258 986 502	511 3
					09.89 - 08.91	●		0 258 005 729	



	09.87 - 12.93		8	5.8		▲	0 258 005 718	0 258 986 507	511	4
	09.91 - 12.93		8	5.8		●	0 258 005 718	0 258 005 729	511	4
								0 258 986 507	511	4
	09.98 - 08.04		8	5.4	2 required	●	0 258 005 716	0 258 005 729	300	4
								0 258 986 507	300	4
						▲	0 258 005 716	0 258 005 729	300	4
								0 258 986 507	300	4
	09.98 - 08.99	2 required				●	0 258 005 717	0 258 986 507	422	4
	09.98 - 08.03	2 required				▲	0 258 005 717	0 258 986 507	422	4
	09.99 - 08.03	2 required				●	0 258 986 625	0 258 986 602	310	4

Ka										
TA/TB	09.99 - 10.02	J4D <HCS,Endura-E SEFI>; J4M <HCS,Endura-E SEFI>	4	1.3		●		0 258 986 507		
						▲		0 258 986 507		

Kuga										
DM2	12.08→	HYD... <Euro4/Euro5>	5	2.5		●	0 258 007 332		580	5
						▲	0 258 006 682	0 258 986 602	770	4

Laser										
KC	10.85 - 09.87	F	4	1.6		●	0 258 002 054	0 258 986 501	590	1
KE	10.87 - 02.90	F; T	4	1.6		●	0 258 002 054	0 258 986 501	590	1
KF	03.90 - 09.91	C; N	4	1.8		●		0 258 986 501		
	06.90 - 09.91	H	4	1.8		●		0 258 986 501		
KH	10.91 - 09.92	C; H; N	4	1.8		●		0 258 986 501		
KH II	10.92 - 07.93	H	4	1.8		●		0 258 986 501		
	10.92 - 09.94	C; N	4	1.8		●		0 258 986 501		
KJ	10.94 - 11.96	B	4	1.6		●		0 258 986 502		
		N	4	1.8		●		0 258 986 502		
KJ II	12.96 - 12.97	B	4	1.6		●		0 258 986 502		
		N	4	1.8		●		0 258 986 502		
KJ III	12.97 - 03.99	B	4	1.6		●		0 258 986 502		
		N	4	1.8		●		0 258 986 502		
KN	03.99 - 02.01	ZM	4	1.6		●		0 258 986 501		
		FP	4	1.8		●		0 258 986 501		
KQ	03.01 - 12.03	ZM	4	1.6		●		0 258 986 501		
		FP	4	1.8		●		0 258 986 501		

LTD										
DA	06.88 - 09.89	P	6	3.9		●	0 258 003 950	0 258 986 502	422	3
DA II	10.89 - 06.91	P	6	3.9		●	0 258 003 950	0 258 986 502	422	3
DC	07.91 - 02.92	P	6	3.9		●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0		●	0 258 003 950	0 258 986 502	422	3
	03.92 - 02.95	H	6	4.0		●	0 258 003 950	0 258 986 502	422	3
DC II	03.92 - 02.95	Z	8	5.0		●	0 258 003 950	0 258 986 502	422	3
DF	03.95 - 09.95	H	6	4.0		●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0		●	0 258 003 950	0 258 986 502	422	3
DF II	10.95 - 08.96	H	6	4.0		●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0		●	0 258 003 950	0 258 986 502	422	3
DL	09.96 - 05.99	H	6	4.0		●	0 258 003 950	0 258 986 502	422	3
		Z	8	5.0		●	0 258 003 950	0 258 986 502	422	3
AU	05.99 - 05.00	Z	8	5.0		●	0 258 986 603	0 258 986 602	422	4
	10.99 - 09.00	Y	6	4.0		●	0 258 986 603	0 258 986 602	422	4
AU II	06.00 - 06.03	Y	6	4.0		●	0 258 986 603	0 258 986 602	422	4
		Z	8	5.0		●	0 258 986 603	0 258 986 602	422	4
BA	07.03 - 09.04	Z	8	5.4		●	0 258 986 603	0 258 986 602	422	4
BA II	03.05 - 09.05	Z <Barra 220>	8	5.4		●	0 258 986 603	0 258 986 602	422	4

Meteor										
GC	10.85 - 10.87	F	4	1.6		●	0 258 002 054	0 258 986 501	590	1





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Mondeo									
HA/HB	03.95 - 07.96	NGA <ZH20,ZETEC>	4	2.0	●	0 258 003 714	0 258 986 507	400	4
HC/HD/HE	08.96 - 09.00	NGD <ZH20, ZETEC-E>	4	2.0	●	F 00H L00 034	0 258 986 507	670	4
	08.98 - 09.00	NGB <ZH20, ZETEC-E>	4	2.0	●	F 00H L00 034	0 258 986 507	670	4
MA/MB	02.07 - 03.10	HU... <Euro4>	5	2.5	●	0 258 007 332		580	5
MB	09.07→	SEBA <Euro4>	4	2.3	▲	0 258 006 965	0 258 986 602	640	4
					●	0 258 006 925	0 258 986 602	435	4
					▲	0 258 006 927	0 258 986 602	660	4

Mondeo ST24									
HE	12.99 - 09.00	SEA <MP25, DURATEC-VE>	6	2.5	●	0 258 003 714	0 258 986 507	400	4

Mustang									
	09.95 - 08.01	...	8	4.6	▲	0 258 005 716	0 258 986 507	300	4
					●	0 258 005 721	0 258 986 507	300	4
					▲	0 258 005 721	0 258 986 507	300	4
					●	0 258 005 716	0 258 986 507	300	4
					▲	0 258 005 716	0 258 986 507	300	4
					●	0 258 005 716	0 258 986 507	300	4
					●	0 258 005 716	0 258 986 507	300	4
					▲	0 258 005 716	0 258 986 507	300	4
					●	0 258 005 721	0 258 986 507	300	4
					▲	0 258 005 721	0 258 986 507	300	4
					●	0 258 005 716	0 258 986 507	300	4
					▲	0 258 005 716	0 258 986 507	300	4

Probe									
	04.94 - 07.97	KL	6	2.5	●	0 258 005 708	0 258 986 507	510	4
					●	0 258 005 709	0 258 986 507	380	4
					▲		0 258 986 602		
					●	F 00H L00 120	0 258 986 502	380	3
					●	F 00H L00 156		415	4
					●		0 258 986 507		
					▲		0 258 986 507		
					▲		0 258 986 507		

Taurus									
	09.95 - 08.99	Duratec 30	6	3.0	●	0 258 986 603	0 258 986 602	422	4
					▲	0 258 005 735	0 258 986 507	422	4
					▲	0 258 005 717	0 258 986 507	422	4

Telstar									
AT	10.87 - 10.89	T	4	2.2	●	0 258 002 054	0 258 986 501	590	1
AV	01.90 - 10.91	T	4	2.2	●	0 258 986 501	0 258 986 501	195	1
AX	01.92 - 08.94	N	4	2.0	●	0 258 005 708	0 258 986 507	510	4
		U	6	2.5	●	0 258 005 708	0 258 986 507	510	4
AY	12.92 - 08.94	N	4	2.0	●	0 258 005 708	0 258 986 507	510	4
	09.94 - 11.96	N	4	2.0	●	0 258 005 708	0 258 986 507	510	4
		U	6	2.5	●	0 258 005 708	0 258 986 507	510	4

Telstar Turbo									
AS	01.86 - 09.87	N <Turbo>	4	2.0	●	0 258 002 054	0 258 986 501	590	1
AT	10.87 - 10.89	T <Turbo>	4	2.2	●	0 258 002 054	0 258 986 501	590	1
AV	01.90 - 10.91	T <Turbo>	4	2.2	●	0 258 986 501	0 258 986 501	195	1

Territory									
SX	05.04 - 09.05	H <Barra 182>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
SY	10.05 - 04.09	H <Barra 190>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
					▲	0 258 005 717		422	4
SY II	05.09→	H <Barra 190>	6	4.0	●	0 258 986 603	0 258 986 602	422	4
					▲	0 258 005 717		422	4

**Territory Turbo**

SY	09.07 - 04.09	T <Barra 245T>	6	4.0	● 0 258 005 717	422	4
					▲ 0 258 005 717	422	4
SY II	05.09→	T <Barra 245T>	6	4.0	● 0 258 005 717	422	4
					▲ 0 258 005 717	422	4

TE50

AU	10.99 - 09.00	Z	8	5.0	● 0 258 986 603	0 258 986 602	422	4
AU II	10.00 - 10.01	Z	8	5.0	● 0 258 986 603	0 258 986 602	422	4

TL50

AU	10.99 - 09.00	Z	8	5.0	● 0 258 986 603	0 258 986 602	422	4
AU II	10.00 - 10.01	Z	8	5.0	● 0 258 986 603	0 258 986 602	422	4

Transit

	08.94 - 07.00	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	4	2.0	● 0 258 006 022	0 258 986 615	400	4
	08.01 - 07.06	E5FC <DOHC 16V BI-FUEL>	4	2.3	● 0 258 986 603	0 258 986 615	422	4
					▲ 0 258 005 785	0 258 986 507	300	4

Transit FT 330 2.2 TDCi

	09.11→	CVR... <Euro4/Euro5>	4	2.2	● 0 281 004 154		630	5
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Transit FT 350 2.2 TDCi

	09.11→	CVR... <Euro4/Euro5>	4	2.2	● 0 281 004 154		630	5
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Transit FT 370 2.2 TDCi

	09.11→	CVR... <Euro4/Euro5>	4	2.2	● 0 281 004 154		630	5
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Transit FT 430 2.2 TDCi

	09.11→	CVR... <Euro4/Euro5>	4	2.2	● 0 281 004 154		630	5
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Transit FT 460 2.2 TDCi

	09.11→	CVR... <Euro4/Euro5>	4	2.2	● 0 281 004 154		630	5
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TS50

AU	10.99 - 09.00	Z	8	5.0	● 0 258 986 603	0 258 986 602	422	4
AU II	10.00 - 10.01	Z	8	5.0	● 0 258 986 603	0 258 986 602	422	4

GREAT WALL**SA220**

	06.06→	491QE	4	2.2	● 0 258 005 292	0 258 986 507	400	4
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HOLDEN**Adventra**

VZ	09.04 - 08.06	VF <LS1>	8	5.7	● F 00H L00 111		433	4
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Apollo

JK	08.89 - 07.91	3SFC <LA4>	4	2.0	● 0 258 002 051	0 258 002 031	540	1
JM	04.93 - 07.95	5SFE <LA4>	4	2.2	●	0 258 002 031		
		3VZFE <LA6>	6	3.0	● F 00H L00 196	0 258 986 501	540	1
JP	08.95 - 05.97	5SFE <LA4>	4	2.2	●	0 258 002 031		
		3VZFE <LA6>	6	3.0	● F 00H L00 196	0 258 986 501	540	1





◀ HOLDEN

Astra									
TR	09.96 - 09.98	C16SE <L55>	4	1.6		●	0 258 002 014	0 258 986 501	400 1
		C18SEL <2HO>	4	1.8		●	F 00E 262 888		780 4
		X20XEV <L34>	4	2.0		●	F 00E 262 888		780 4
TS	10.98 - 11.00	X18XE1 <2H9>	4	1.8		●	F 00E 263 076		670 4
	09.00 - 08.05	Z22SE	4	2.2		●		0 258 986 602	
					Manual Trans.	▲		0 258 986 602	
	12.00 - 09.04	Z18XE	4	1.8		●	F 00E 263 076		670 4
	09.02 - 08.05	Z20LET <Turbo Ecotec>	4	2.0		●	0 258 006 171	0 258 986 615	549 4
	03.04 - 12.05	Z18XE	4	1.8		●		0 258 986 507	
AH	03.04 - 03.07	Z18XE <Ecotec>	4	1.8		●		0 258 986 507	
						▲		0 258 986 507	

Astra Convertible									
TS	09.00 - 08.05	Z22SE	4	2.2		●		0 258 986 602	
					Manual Trans.	▲		0 258 986 602	
	05.03 - 12.04	Z20LET <Turbo Ecotec>	4	2.0		●	0 258 006 171	0 258 986 615	549 4
						▲	0 258 006 280	0 258 986 602	1116 4

Astra Coupe									
TS	09.00 - 08.05	Z22SE	4	2.2		●		0 258 986 602	
					Manual Trans.	▲		0 258 986 602	

Barina									
SB	04.94 - 11.95	C16XE <L91>	4	1.6		●	0 986 258 024	0 258 986 501	340 1
	04.94 - 07.97	C12NZ <L71>	4	1.2		●	0 258 002 014	0 258 986 501	400 1
		C14NZ <LH6>	4	1.4		●	0 258 002 014	0 258 986 501	400 1
	12.95 - 09.98	X16XE <L91>	4	1.6	w/o AP	●	0 986 258 024	0 258 986 501	340 1
					w/secondary air pump	●	0 258 002 014	0 258 986 501	400 1
	08.97 - 03.01	C14SE <L48>	4	1.4		●	0 258 002 014	0 258 986 501	400 1
XC	04.01 - 10.05	Z14XE	4	1.4		●	0 258 005 256	0 258 986 507	524 4
	09.01 - 10.05	Z18XE <GSI/Ecotec>	4	1.8		▲	0 258 005 291		314 4
						●		0 258 986 507	

Calibra									
YE	09.91 - 07.95	C20NE <ML4>; C20XE <MT5>	4	2.0		●	0 258 003 300	0 258 986 502	910 3
		C20LET <M23>	4	2.0		●	0 258 003 141	0 258 986 502	1250 3
	08.95 - 10.97	X20XEV <MG4 F18>							
		Chass.no T9004512→	4	2.0		●	F 00E 262 888		780 4
		C25XE, X25XE <MG4 F18>	6	2.5	Ascertain in vehicle	●	0 258 003 300	0 258 986 502	910 3
								0 258 986 504	910 3
							0 258 003 763	0 258 986 502	910 3

Camira									
JE	04.87 - 09.89	JD <LE4>	4	2.0		●	0 258 002 014	0 258 986 501	400 1

Caprice									
VQ	03.90 - 10.91	VU							
		Eng. no. →VU611 187	8	5.0		●	0 258 002 014	0 258 986 501	400 1
VQ II	12.91 - 02.94	VH <LN3>	6	3.8		●	0 258 002 028	F 00H L00 091	347 2
		VU	8	5.0		●	0 258 002 014	0 258 986 501	400 1
VR	03.94 - 08.94	VU	8	5.0		●	0 258 986 001	F 00H L00 091	570 2
VR II	09.94 - 04.95	VU	8	5.0		●	0 258 986 001	F 00H L00 091	570 2
VS	03.95 - 08.96	VU	8	5.0		●	0 258 986 001	F 00H L00 091	570 2
	04.95 - 08.96	VH <LN3>	6	3.8		●	0 258 005 703	0 258 005 732	335 4
VS II	09.96 - 04.98	VS S/C <L67>	6	3.8		●	0 258 005 703	0 258 005 732	335 4
		VU	8	5.0		●	0 258 986 001	F 00H L00 091	570 2
	09.96 - 05.98	VH <LN3>	6	3.8		●	0 258 005 703	0 258 005 732	335 4
VS III	05.98 - 06.99	VS S/C <L67>	6	3.8		●	0 258 005 703	0 258 005 732	335 4
		VU	8	5.0		●	0 258 986 001	F 00H L00 091	570 2



VS III	06.98 - 05.99	VH <LN3>	6	3.8	●	0 258 005 703	0 258 005 732	335	4
WH	06.99 - 07.01	VH <LN3>	6	3.8	●	0 258 002 028	F 00H L00 091	347	2
		VS S/C <L67>	6	3.8	●	0 258 005 703	0 258 005 732	335	4
		VF <LS1>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
WH II	08.01 - 04.03	VH <LN3>	6	3.8	●	0 258 002 028	F 00H L00 091	347	2
		VF <LS1>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
WK	05.03 - 08.04	VH <LN3>	6	3.8	●	0 258 002 028	F 00H L00 091	347	2
		VF <LS1>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
WL	09.04 - 12.05	VF <LS1>	8	5.7	●	F 00H L00 111		433	4
	09.04 - 08.06	H7 <Premium>	6	3.6	●	0 258 007 200		675	5
					▲	0 258 006 743	0 258 986 602	400	4
	01.06 - 08.06	6M	8	6.0	●	F 00H L00 111		433	4
WM	09.06→	L98 <LS2>	8	6.0	●	F 00H L00 111		433	4
	09.09→	L76 AFM	6	6.0	●	F 00H L00 111		433	4

Captiva

CG	05.06→	HMA <Alloytec>	6	3.2	●	0 258 017 123		500	5
					▲	0 258 006 595	0 258 986 602	338	4

Ascertain in vehicle

Combo

SB	02.96 - 06.97	C14NZ <2H6>	4	1.4	●	0 258 002 014	0 258 986 501	400	1
	08.97 - 12.02	C14SE <L48>	4	1.4	●	0 258 002 014	0 258 986 501	400	1
XC	10.01→	Z16SE	4	1.6	●	0 258 005 291	0 258 005 729	314	4
	09.04→	Z14XEP	4	1.4	●	0 258 006 501	0 258 986 602	549	4
					▲	0 258 006 499	0 258 986 602	300	4

Commodore / Calais

VL	01.86 - 07.88	RB30E; RB30ET <Turbo>	6	3.0		●	0 986 258 002		285	3
VN	08.88 - 02.90	VH <LN3>	6	3.8		●	0 258 002 014	0 258 986 501	400	1
		VU	8	5.0		●	0 258 002 014	0 258 986 501	400	1
	08.88 - 09.91	VH <LN3>	6	3.8		●	0 258 002 014	0 258 986 501	400	1
		VU	8	5.0		●	0 258 002 014	0 258 986 501	400	1
VN II	03.90 - 09.91	VH <LN3>	6	3.8		●	0 258 002 014	0 258 986 501	400	1
		VU	8	5.0		●	0 258 002 014	0 258 986 501	400	1
VP	10.91 - 12.92	VH <LN3>	6	3.8		●	0 258 002 028	F 00H L00 091	347	2
		VU	8	5.0		●	0 258 002 014	0 258 986 501	400	1
VP II	01.93 - 06.93	VH <LN3>	6	3.8		●	0 258 002 028	F 00H L00 091	347	2
	02.93 - 06.93	VU	8	5.0		●	0 258 002 014	0 258 986 501	400	1
VR	07.93 - 08.94	VH <LN3>	6	3.8		●		0 258 986 507		
		VU	8	5.0		●	0 258 986 001	F 00H L00 091	570	2
VR II	09.94 - 03.95	VH <LN3>	6	3.8		●		0 258 986 507		
		VU	8	5.0		●	0 258 986 001	F 00H L00 091	570	2
VS	04.95 - 05.96	VH <LN3>								
		Chass.no L 823095→	6	3.8	4-pin connection	●	0 258 005 703	0 258 005 732	335	4
		Chass.no →L 823094	6	3.8	2-pin connection	●	0 258 986 001	F 00H L00 091	570	2
		VU	8	5.0		●	0 258 986 001	F 00H L00 091	570	2
VS II	06.96 - 07.97	VH <LN3>; VS S/C <L67>	6	3.8		●	0 258 005 703	0 258 005 732	335	4
		VU	8	5.0		●	0 258 986 001	F 00H L00 091	570	2
VT	09.97 - 05.99	VH <LN3>	6	3.8		●	0 258 002 028	F 00H L00 091	347	2
		VS S/C <L67>	6	3.8		●	0 258 005 703	0 258 005 732	335	4
		VM High Performance <LB9>;	8	5.0		●	0 258 005 703	0 258 005 732	335	4
		VM <LB9>								
VT II	06.99 - 08.00	VH <LN3>	6	3.8		●	0 258 002 028	F 00H L00 091	347	2
		VS S/C <L67>	6	3.8		●	0 258 005 703	0 258 005 732	335	4
		VF <LS1>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VX	10.00 - 07.01	VH <LN3>	6	3.8		●	0 258 002 028	F 00H L00 091	347	2
		VS S/C <L67>	6	3.8		●	0 258 005 703	0 258 005 732	335	4
		VF <LS1>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VX II	08.01 - 09.02	VH <LN3>	6	3.8		●	0 258 002 028	F 00H L00 091	347	2
		VS S/C <L67>	6	3.8		●	0 258 005 703	0 258 005 732	335	4
		VF <LS1>	8	5.7		●	0 258 005 703	0 258 005 732	335	4





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VY	10.02 - 07.03	VH <LN3>	6	3.8	● 0 258 002 028	F 00H L00 091	347	2	
		VS S/C <L67>	6	3.8	● 0 258 005 703	0 258 005 732	335	4	
		VF <LS1>	8	5.7	● 0 258 005 703	0 258 005 732	335	4	
VY II	08.03 - 08.04	VH <LN3>	6	3.8	● 0 258 002 028	F 00H L00 091	347	2	
		VS S/C <L67>	6	3.8	● 0 258 005 703	0 258 005 732	335	4	
		VF <LS1>	8	5.7	● 0 258 005 703	0 258 005 732	335	4	
VZ	09.04 - 08.06	H7 <Premium>	6	3.6	● 0 258 007 200		675	5	
				▲ 0 258 006 743	0 258 986 602	400	4		
		VF <LS1>	8	5.7	● F 00H L00 111		433	4	
	09.04 - 04.08	HB <Decontent>	6	3.6	● 0 258 006 743	0 258 986 602	400	4	
	01.06 - 08.06	L76	8	6.0	● F 00H L00 111		433	4	
VE	09.06→	HNG	6	3.6	▲ 0 258 006 743	0 258 986 602	400	4	
				09.06 - 08.07	● 0 258 017 123		500	5	
				09.07→	● 0 258 010 047		500	4	
		H7	6	3.6	▲ 0 258 006 743	0 258 986 602	400	4	
				09.06 - 08.07	● 0 258 017 123		500	5	
				09.07→	● 0 258 010 047		500	4	
		H7 <Premium>	6	3.6	▲ 0 258 006 743	0 258 986 602	400	4	
				09.06 - 08.07	● 0 258 017 123		500	5	
				09.07→	● 0 258 010 047		500	4	
		L98 <LS2>	8	6.0	● F 00H L00 111		433	4	
		01.09→	L76 AFM	8	6.0	● F 00H L00 111		433	4
		09.09→	HF <LF1 SIDI>	6	3.0	2 required	● 0 258 010 134		290
						▲ 0 258 010 134		290	4

Commodore Utility

VG	08.90 - 08.91	VH <LN3>	6	3.8		● 0 258 002 014	0 258 986 501	400	1
		VU	8	5.0		● 0 258 002 014	0 258 986 501	400	1
VP	09.91 - 06.93	VH <LN3>	6	3.8		● 0 258 002 028	F 00H L00 091	347	2
		VU	8	5.0		● 0 258 002 014	0 258 986 501	400	1
VR	07.93 - 03.95	VU	8	5.0		● 0 258 986 001	F 00H L00 091	570	2
VS	04.95 - 05.96	VH <LN3>							
		Chass.no L 823095→	6	3.8	4-pin connection	● 0 258 005 703	0 258 005 732	335	4
		Chass.no →L 823094	6	3.8	2-pin connection	● 0 258 986 001	F 00H L00 091	570	2
		VU	8	5.0		● 0 258 986 001	F 00H L00 091	570	2
VS II	06.96 - 07.97	VH <LN3>	6	3.8		● 0 258 005 703	0 258 005 732	335	4
		VU	8	5.0		● 0 258 986 001	F 00H L00 091	570	2
VS III	05.98 - 12.00	VH <LN3>	6	3.8		● 0 258 005 703	0 258 005 732	335	4
		VU	8	5.0		● 0 258 986 001	F 00H L00 091	570	2
VU	12.00 - 07.01	VH <LN3>	6	3.8		● 0 258 002 028	F 00H L00 091	347	2
		VF <LS1>	8	5.7		● 0 258 005 703	0 258 005 732	335	4
VU II	08.01 - 09.02	VH <LN3>	6	3.8		● 0 258 002 028	F 00H L00 091	347	2
		VF <LS1>	8	5.7		● 0 258 005 703	0 258 005 732	335	4
VY	10.02 - 07.03	VH <LN3>	6	3.8		● 0 258 002 028	F 00H L00 091	347	2
		VF <LS1>	8	5.7		● 0 258 005 703	0 258 005 732	335	4
VY II	08.03 - 08.04	VH <LN3>	6	3.8		● 0 258 002 028	F 00H L00 091	347	2
		VF <LS1>	8	5.7		● 0 258 005 703	0 258 005 732	335	4
VZ	09.04 - 08.07	HB <HFV6>	6	3.6		● 0 258 006 743	0 258 986 602	400	4
		VF <LS1>	8	5.7		● F 00H L00 111		433	4
	01.06 - 08.07	6M	8	6.0		● F 00H L00 111		433	4
VE	10.07→	6M	8	6.0		● F 00H L00 111		433	4
	09.09→	L76 AFM	8	6.0		● F 00H L00 111		433	4

Crewman

VY II	08.03 - 08.04	VH <LN3>	6	3.8		● 0 258 002 028	F 00H L00 091	347	2
		VF <LS1>	8	5.7		● 0 258 005 703	0 258 005 732	335	4
VZ	09.04 - 08.06	HB <HFV6>	6	3.6		● 0 258 006 743	0 258 986 602	400	4
		VF <LS1>	8	5.7		● F 00H L00 111		433	4

Frontera

UT	01.95 - 03.99	X20SE OHC <Ecotec>	4	2.0		● 0 258 003 448	0 258 986 502	560	3
B	03.99 - 08.05	6VD1	6	3.2		● 0 258 005 703	0 258 005 732	335	4



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Suburban										
K8	01.98 - 08.05	L31	8	5.7		●	0 258 005 720	0 258 005 732	417	4
						▲	0 258 005 703	0 258 005 732	335	4
Tigra										
XC	09.04 - 09.07	Z18XE <Ecotec>	4	1.8		●	0 258 986 507			
						▲	0 258 986 507			
Vectra										
JR	06.97 - 07.98	C20SEL <L34>	4	2.0		●	F 00E 262 888		780	4
		X25XE <L80>								
		Chass.no V5141893→	6	2.5		●	0 258 003 300	0 258 986 502	910	3
		Chass.no→V5141892	6	2.5		●	0 258 003 448	0 258 986 502	560	3
JS	08.98 - 06.99	C20SEL <L34>	4	2.0		●	F 00E 262 888		780	4
		C22SEL <LA9>	4	2.2		●	F 00E 262 888		780	4
		X25XE <L80>	6	2.5		●	0 258 003 300	0 258 986 502	910	3
JS II	07.99 - 08.00	X25XE <L80>	6	2.5		●	0 258 003 300	0 258 986 502	910	3
	07.99 - 09.02	C20SEL <L34>	4	2.0		●	F 00E 262 888		780	4
		C22SEL <LA9>	4	2.2		●	F 00E 262 888		780	4
	09.00 - 09.02	Y26SE	6	2.6		●	0 258 006 347	0 258 986 615	460	4
ZC	08.02→	Z32SE <Ecotec>	6	3.2		▲	0 258 006 346	0 258 986 615	750	4
					●	0 258 006 386	0 258 986 615	300	4	
						▲	0 258 006 386	0 258 986 615	300	4
Zafira										
TT	09.00 - 08.05	Z22SE <Ecotec>	4	2.2		●	0 258 986 602			
					Manual Trans.	▲	0 258 986 602			

HONDA

Accord									
CA/CB/CD	11.85 - 12.89	A20A2	4	2.0		●	0 258 002 050	0 258 986 501	510
		A20A4	4	2.0		●	0 258 986 501		
	01.86 - 05.89	A20A2	4	2.0		●	0 258 002 050	0 258 986 501	510
	04.87 - 10.89	A20A4	4	2.0		●	0 258 002 050	0 258 986 501	510
	11.89 - 09.93	F22A5	4	2.2		●	0 258 005 710	0 258 986 507	382
	01.93 - 01.02	F22B1	4	2.2		●	0 258 986 604	0 258 986 602	310
		F22B3	4	2.2		●	0 258 986 604	0 258 986 602	310
	10.93 - 12.97	F22A6	4	2.2		●	0 258 005 710	0 258 986 507	382
		F22B1	4	2.2		●	0 258 986 604	0 258 986 602	310
						●	0 258 986 611	0 258 986 602	340
						▲	0 258 986 602		
	09.95 - 12.97					▲	0 258 986 602		
						▲	0 258 986 635		865
CG	09.97 - 08.02	J30A1	6	3.0		▲	0 258 986 602		
						●	0 258 986 612	0 258 986 602	500
						▲	0 258 986 635		865
							0 258 986 663		810
	12.97 - 12.00					●	0 258 986 612	0 258 986 602	500
						●	0 258 986 507		
	09.99 - 08.02					▲	0 258 986 663		810
						●	F 00H L00 180		415
	09.00 - 08.02					●	0 258 986 507		
					Auto Trans.	▲	0 258 986 635		865
	09.97 - 10.02	F23A1	4	2.3		●	0 258 986 604	0 258 986 602	310
						▲	0 258 986 663	0 258 986 602	810
CA/CB/CD	12.97 - 04.99	F23A1	4	2.3		●	0 258 986 604	0 258 986 602	310
	01.98 - 11.06	J30A4	6	3.0		▲	F 00H L00 181	0 258 986 507	470
					2 required	▲	0 258 986 507		
	01.99 - 05.03	F23A1	4	2.3		●	0 258 986 604	0 258 986 602	310

												
	01.00 - 10.06	K24A4	4	2.4			▲	0 258 986 507				
					Front		●	0 258 986 507				
CL/CN/CM	02.03 - 06.08	K24A3	4	2.4			▲	0 258 986 507				
Accord Aerodeck												
CA/CB/CD	06.93 - 01.97	F22B1	4	2.2			●	0 258 986 604	0 258 986 602	310	4	
CB/CC/CD/CE	10.93 - 06.96	F22B3	4	2.2			●	0 258 986 604	0 258 986 602	310	4	
Accord Tourer												
CL/CN/CM	02.03 - 08.08	K24A3	4	2.4			▲	0 258 986 507				
Civic												
EG/EH	11.91 - 09.93	D16A6	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
	10.93 - 09.95	D15B4; D15B7	4	1.5			●	0 258 005 710	0 258 986 507	382	4	
		D16Y1	4	1.6				●	0 258 986 605	0 258 986 602	610	4
EJ/EK	10.95 - 09.98	D16A1	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
		D16Y5	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
	10.95 - 10.98	B16A2	4	1.6			●	0 258 986 611	0 258 986 602	340	4	
	10.95 - 03.99	B16A2	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
	10.95 - 09.00	D16Y4	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
	10.95 - 12.00	D16Y5	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
	10.95 - 02.01	B16A2	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
		D16Y5	4	1.6			●	0 258 986 605	0 258 986 602	610	4	
		05.96 - 04.99	D16Y8 <VTEC>	4	1.6			●	0 258 986 605	0 258 986 602	610	4
		09.98 - 08.00	B16A2	4	1.6			●	0 258 986 611	0 258 986 602	340	4
EJ	04.99 - 04.00	D16Y7	4	1.6			▲	0 258 986 681	0 258 986 602	405	4	
							●	0 258 986 605	0 258 986 602	610	4	
							▲	0 258 986 612	0 258 986 602	500	4	
	11.01 - 03.05	LDA1										
		Chass.no 1000001→ 1200000	4	1.3			▲	0 258 986 507				
ES	01.02 - 12.05	LDA1	4	1.3	01.02 - 08.04		▲	0 258 986 507				
FD	01.06→	LDA2	4	1.3			▲	0 258 986 507				
	04.06 - 08.10	K20A	4	2.0			▲	0 258 986 507				
	05.06→	<i-VTEC>	4	1.8			▲	0 258 986 507				
Civic Hatchback												
FK/FN	09.05→	R18A2	4	1.8			▲	0 258 986 507				
Concerto												
	11.88 - 07.93	D16A6	4	1.6			●	0 258 986 501				
CR-V												
RD	09.96 - 02.99	B20B3	4	2.0	09.96 - 12.97		●	0 258 986 602				
					01.98 - 12.98		●	0 258 986 615				
					01.99 - 02.99		●	0 258 986 602				
	02.99 - 12.01	B20B3	4	2.0			●	0 258 986 611	0 258 986 602	340	4	
RD7	08.02 - 10.06	K24A1	4	2.4			▲	F 00H L00 151	0 258 986 507	305	4	
CRX												
ED/EE	11.87 - 05.92	D16A8	4	1.6			●	0 258 002 050	0 258 986 501	510	1	
EG/EH	06.92 - 06.98	B16A2	4	1.6			●	0 258 005 710	0 258 986 507	382	4	
HR-V												
GH	12.98 - 12.01	D16W1	4	1.6			●	0 258 986 602				
					Auto Trans.	▲	0 258 986 602					
		D16W2	4	1.6			●	0 258 986 602				
					Auto Trans.	▲	0 258 986 602					
	12.98 - 07.02	D16W1	4	1.6	12.98 - 12.01		●	0 258 986 602				
					Auto Trans.	▲	0 258 986 602					
					01.02 - 07.02		▲	0 258 986 602				





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Insight										
ZE	01.00 - 12.06	ECA1	3	1.0	01.00 - 08.03	Manual Trans.	▲	0 258 986 602		
					09.00 - 12.06	Auto Trans.	▲	0 258 986 507		
						w/CVT	▲	0 258 986 507		

Integra										
DA	06.86 - 05.89	D16A3	4	1.6			●	0 258 002 050	0 258 986 501	510 1
	06.89 - 07.93	B18A1	4	1.8			●	0 258 002 050	0 258 986 501	510 1
DC	08.93 - 10.99	B18B2; B18C2	4	1.8			●	0 258 986 602		

Integra Type-R										
DC	01.98 - 10.01	B18C6	4	1.8			●	0 258 986 602		

Jazz										
GD	03.02 - 12.08	L13A1	4	1.3			●	0 258 006 540	0 258 986 602	697 4
							▲	0 258 006 538	0 258 986 602	415 4
	09.02 - 10.07	L15A	4	1.5	09.02 - 11.05	Auto Trans.	●	0 258 986 602		
					11.03 - 10.07		▲	0 258 986 602		
					12.05 - 10.07		●	0 258 986 602		

Legend										
	05.86 - 12.87	C25A1	6	2.5			●	0 258 002 050	0 258 986 501	510 1
	01.87 - 02.91	C27A1	6	2.7			●	0 258 002 050	0 258 986 501	510 1
	03.91 - 04.96	C32A3; C32A3 <MPFI>	6	3.2			●	0 258 986 602		
	01.96 - 04.98	C35A2	6	3.5	Left side		●	0 258 986 507		
					Right side		●	0 258 986 602		
	04.98 - 12.04	C35A5	6	3.5	04.98 - 12.98	Left side	●	0 258 986 507		
						Right side	●	0 258 986 602		
					01.99 - 12.04	Right side	●	0 258 986 602		
					01.00 - 12.04	Left side	●	0 258 986 507		
	10.04 - 09.08	J35A8	6	3.5	Front		●	0 258 986 602		
					2 required		▲	0 258 986 507		

MDX										
YD1	03.03 - 06.06	J35A	6	3.5			▲	0 258 986 507		
						Front	●	0 258 986 602		

NSX										
NA	06.90 - 12.96	C30A3	6	3.0			●	0 258 986 602		
	06.90 - 06.00	C30A4	6	3.0			●	0 258 986 602		
					Front		▲	0 258 986 602		
	01.97 - 06.00				Front		●	0 258 986 602		
					Front		●	0 258 986 507		
	01.97 - 09.05	C32B2	6	3.2	Rear		●	0 258 986 507		
					Front		▲	0 258 986 602		
					Rear		▲	0 258 986 602		

NSX-T										
NA	01.95 - 01.05	C30A4	6	3.0			●	0 258 986 602		
					Front		▲	0 258 986 602		
	01.97 - 01.05				Front		●	0 258 986 602		
					Front		●	0 258 986 507		
	01.97 - 09.05	C32B2	6	3.2	Rear		●	0 258 986 507		
					Front		▲	0 258 986 602		
					Rear		▲	0 258 986 602		

Odyssey										
RA	06.95 - 12.97	F22B6 <MPFI>	4	2.2			●	0 258 986 602		
	01.98 - 02.00	F23A7	4	2.3			●	0 258 986 602		
	03.00→	F23Z4	4	2.3			●	0 258 986 602		
	10.03 - 10.08	K24A	4	2.4			▲	0 258 986 602		

**Prelude**

AB	01.86 - 09.87	A20A4	4	2.0		●	0 258 002 050	0 258 986 501	510	1
BA	04.87 - 01.92	B20A5	4	2.0		●		0 258 986 501		
	10.87 - 12.91	B20A6	4	2.0	10.87 - 11.90	●	0 258 002 050	0 258 986 501	510	1
					12.90 - 12.91	●	0 258 005 710	0 258 986 507	382	4
BB	09.91 - 12.96	H23A1	4	2.3		●	0 258 986 611	0 258 986 602	340	4
					09.95 - 12.96	▲	0 258 986 635	0 258 986 602	865	4
	12.91 - 12.96	F22A1	4	2.2		●		0 258 986 602		
	01.94 - 12.96	H22A1	4	2.2		●		0 258 986 602		
	01.97 - 02.02	H22A4	4	2.2		●		0 258 986 602		
	01.97 - 07.02	F22A6	4	2.2		●		0 258 986 602		

S2000

	04.99 - 06.09	F20C1 <S2A>	4	2.0	04.99 - 12.03	▲		0 258 986 602		
					04.99 - 12.05	●		0 258 986 507		

HSV (HOLDEN SPECIAL VEHICLES)**Avalanche Utility**

VY II	03.04 - 09.04	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
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Avalanche Wagon

VY II	12.03 - 09.04	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
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Clubsport

VN	08.88 - 10.91	VU	8	5.0		●	0 258 002 014	0 258 986 501	400	1
VP	11.91 - 07.93	VU	8	5.0		●	0 258 002 014	0 258 986 501	400	1
VR	06.93 - 04.95	VU	8	5.0		●		0 258 986 507		
VS	05.95 - 08.97	VU	8	5.0		●		0 258 986 507		
VT	09.97 - 05.99	VM <LB9>	8	5.0		●	0 258 005 703	0 258 005 732	335	4
VT II	06.99 - 08.00	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VX	09.00 - 08.02	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VY	09.02 - 08.03	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VY II	09.03 - 09.04	VF <Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VZ	10.04 - 07.06	VF <LS2, Gen IV>	8	6.0		●	F 00H L00 111		433	4

Clubsport R8

VT II	06.99 - 08.00	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VX	06.00 - 08.02	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VY	09.02 - 08.03	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VY II	09.03 - 09.04	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VZ	10.04 - 07.06	VF <LS2, Gen IV>	8	6.0		●	F 00H L00 111		433	4
VE	08.06→	ZL <LS2 307>	8	6.0		●	F 00H L00 111		433	4
	03.08→	ZLF <LS3 317>	8	6.2		●	F 00H L00 111		433	4

Coupe GTO

V2	09.00 - 01.03	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
V2 II	02.03 - 08.03	VF <Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
V2 III	09.03 - 09.04	VF <Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
VZ	10.04 - 12.06	VF <Gen IV, LS1>	8	6.0		●	F 00H L00 111		433	4

Coupe GTS

V2	09.00 - 01.03	VF <LS1, Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
V2 II	02.03 - 02.04	VF <Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
V2 III	03.04 - 12.04	VF <Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4

Coupe4

V2 III	06.04 - 09.04	VF <Gen III>	8	5.7		●	0 258 005 703	0 258 005 732	335	4
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H



◀ HSV

Grange									
VS	05.95 - 05.99	VU	8	5.0	●	0 258 986 507			
		VF	8	5.7	●	0 258 986 507			
WH	06.99 - 08.01	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
WH II	09.01 - 08.03	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
WK	09.03 - 09.04	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
WL	10.04 - 12.06	VF <LS1, Gen IV>	8	6.0	●	F 00H L00 111		433	4
WM	08.06→	ZL <LS2 307>	8	6.0	●	F 00H L00 111		433	4
	03.08→	ZLF <LS3 317>	8	6.2	●	F 00H L00 111		433	4

Group A									
VN	06.91 - 12.91	VU	8	5.0	●	0 258 986 507			

Group A (Walkinshaw)									
VL	02.88 - 12.88	VU	8	5.0	●	0 258 002 014	0 258 986 501	400	1

GTS									
VP	11.91 - 07.93	VU	8	5.0	●	0 258 986 507			
VR	06.93 - 04.95	VF	8	5.7	●	0 258 986 507			
VS	05.95 - 08.97	VF	8	5.7	●	0 258 986 507			
VT II	06.99 - 08.00	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VX	09.00 - 08.02	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VY	09.02 - 09.04	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VZ	10.04 - 07.06	VF <LS2, Gen IV>	8	6.0	●	F 00H L00 111		433	4
VE	08.06→	ZL <LS2 307>	8	6.0	●	F 00H L00 111		433	4
	03.08→	ZLF <LS3 317>	8	6.2	●	F 00H L00 111		433	4

Maloo									
VG	08.88 - 10.91	VU	8	5.0	●	0 258 002 014	0 258 986 501	400	1
VR	06.93 - 04.95	VU	8	5.0	●	0 258 986 507			
VS	05.95 - 12.00	VU	8	5.0	●	0 258 986 507			
VU	03.01 - 08.01	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VU II	09.01 - 09.02	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VY	10.02 - 08.03	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VY II	09.03 - 09.04	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VZ	10.04 - 08.07	VF <LS1, Gen IV>	8	6.0	●	F 00H L00 111		433	4
VZ II	01.07 - 08.07	ZL <LS2 307>	8	6.0	●	F 00H L00 111		433	4
VE	03.08→	ZLF <LS3 317>	8	6.2	●	F 00H L00 111		433	4

Maloo R8									
VU	03.01 - 08.01	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VU II	09.01 - 09.02	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VY	10.02 - 08.03	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VY II	09.03 - 09.04	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VZ	10.04 - 08.07	VF <LS1, Gen IV>	8	6.0	●	F 00H L00 111		433	4

Senator									
VP	11.91 - 07.93	VU	8	5.0	●	0 258 002 014	0 258 986 507	400	1
VR	06.93 - 04.95	VU	8	5.0	●	0 258 986 507			
		VF	8	5.7	●	0 258 986 507			
VS	05.95 - 08.97	VU	8	5.0	●	0 258 986 507			
		VF	8	5.7	●	0 258 986 507			
VT	09.97 - 05.99	VM <LB9>	8	5.0	●	0 258 005 703	0 258 005 732	335	4
		VF	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VT II	06.99 - 08.00	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VX	09.00 - 08.02	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VY	09.02 - 08.03	VF <LS1, Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VY II	09.03 - 09.04	VF <Gen III>	8	5.7	●	0 258 005 703	0 258 005 732	335	4
VZ	10.04 - 07.06	VF <LS2, Gen IV>	8	6.0	●	F 00H L00 111		433	4
VE	08.06→	ZL <LS2 307>	8	6.0	●	F 00H L00 111		433	4

**Senator Signature**

VE	03.08→	ZLF <LS3 317>	8	6.2	● F 00H L00 111	433	4
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SV6000

VZ	10.04 - 07.06	VF <LS2, Gen IV>	8	6.0	● F 00H L00 111	433	4
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XU6

VT	09.97 - 08.00	VS <L67>	6	3.8	● 0 258 005 703	0 258 005 732	335	4
VX	09.00 - 08.02	VS <L67>	6	3.8	● 0 258 005 703	0 258 005 732	335	4
VY	09.02 - 06.03	VS <L67>	6	3.8	● 0 258 005 703	0 258 005 732	335	4

HYUNDAI**Accent**

LC	05.00 - 02.03	G4EC-G <DOHC Alpha>	4	1.5	● 0 258 986 627	0 258 986 602	380	4
	10.01→	Alpha	4	1.6	▲ 0 258 986 627	0 258 986 602	380	4
LC	03.03 - 03.06	G4ED-G	4	1.6	● 0 258 986 627	0 258 986 602	380	4
					▲	0 258 986 602		
MC, MCT	04.06 - 10.11	G4ED <(A7) 16AD>	4	1.6	● 0 258 986 627	0 258 986 602	380	4
					▲	0 258 986 602		
RB	01.11→	D4FB <(1E) U162>	4	1.6	● 0 281 004 093		360	5

Coupe

RD	05.96 - 04.02	G4... <Beta>	4	2.0	05.96 - 11.96	Not EURO 96, CEE 95, L3 emissions	● 0 258 986 007	F 00H L00 057	380	4
					12.96 - 04.02	EEC 96 emission	● 0 986 258 004			

Elantra

XD	06.00 - 08.06	G4GB	4	1.8	●	0 258 986 627	0 258 986 602	380	4
					▲	0 258 986 627	0 258 986 602	380	4
	08.00 - 09.06	G4GC... <2.0L MPI DOHC>	4	2.0	●		0 258 986 602		
					w/ VCT	▲		0 258 986 602	
					w/o VCT	▲	0 258 986 627	0 258 986 602	380

Excel

X2	02.90 - 07.94	G4DJ	4	1.5		● 0 258 002 053	0 258 986 501	795	1	
X3	07.94 - 07.99	G4EK	4	1.5	07.94 - 07.97	● 0 258 986 007		380	4	
					08.97 - 07.99	● 0 986 258 010		350	3	
	11.95 - 07.99	G4FK	4	1.5	11.95 - 12.96	EEC 96 emission	● 0 258 986 007	F 00H L00 057	380	4
					01.97 - 08.97	EEC 96 emission	● 0 986 258 004			
					08.97 - 07.99	EEC 96 emission	● 0 986 258 010		350	3

Getz

TB	03.03 - 08.05	G4E-A	4	1.3	● 0 258 986 627	0 258 986 602	380	4
					▲	0 258 986 602		
	09.05 - 06.09	G4EE...	4	1.4	● 0 258 986 627	0 258 986 602	380	4
					▲	0 258 986 602		
	10.05 - 06.09	G4ED-G	4	1.6	● 0 258 986 627	0 258 986 602	380	4
					▲	0 258 986 602		

Grandeur

TG	07.06→	D4EB <(2D) D22>	4	2.2	● 0 281 004 044		400	5
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iLoad

	03.08→	D4CB... <(6A) A25>	4	2.5	● 0 281 004 093		360	5
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iMax

	03.08→	D4CB <(6A) A25>	4	2.5	● 0 281 004 093		360	5
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◀ HYUNDAI

iX35

LM, EL	01.10→	D4HA <(2E) R20>	4	2.0		● 0 281 004 089	320	5
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i30

FD, FDH	09.07→	D4FB <(1C) U16/ (1E) U162>	4	1.6	EEC 2000 emission, EURO 2005, EC 2005 emissions	● 0 281 004 069	425	5
		G4GC... <(B2) 20BT>	4	2.0	Euro 5 emissions	● 0 281 004 093	360	5
					Ascertain in vehicle	▲ 0 258 986 627 0 258 986 602	380	4
	02.08→	D4FB <(1C) U16/ (1E) U162>	4	1.6	EEC 2000 emission, EURO 2005, EC 2005 emissions	● 0 281 004 069	585	4
					Euro 5 emissions	● 0 281 004 093	425	5
	03.08→	G4GC... <(B2) 20BT>	4	2.0		● 0 258 986 720	360	5
						● 0 258 986 720	585	4
						▲ 0 258 986 627 0 258 986 602	380	4

i30 1.6 CRDi

GD	12.11→	D4FB <(1E) U162>	4	1.6		● 0 281 004 093	360	5
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i40

VF	04.11→	D4FD <(1F) U172>	4	1.7		● 0 281 004 093	360	5
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i40 1.7 CRDi

VF	04.11→	D4FD <(1F) U172>	4	1.7		● 0 281 004 093	360	5
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Lantra

J1	10.90 - 04.95	G4CR <New Sirius>; G4DJ <New Sirius>	4	1.6		● 0 258 003 218 0 258 986 507	460	4
	06.92 - 04.95	G4CN <New Sirius>	4	1.8		▲ 0 258 986 602		
J2	05.95 - 09.00	G4GM <Beta>	4	1.8	05.95 - 11.96	● 0 258 003 218 0 258 986 507	460	4
					12.96 - 09.00	▲ 0 258 986 507		
	08.96 - 09.00	G4GF <Beta>	4	2.0	08.96 - 11.96	● 0 258 986 007 F 00H L00 057	380	4
					12.96 - 09.00	● 0 986 258 004		

Santa Fe

SM	02.00 - 12.05	G4JSX	4	2.4		● 0 258 986 507		
						▲ 0 258 986 602		
CM	09.00 - 12.05	G6BA	6	2.7	09.00 - 01.03 Left side	▲ 0 258 986 683 0 258 986 602	630	4
					02.03 - 12.05	● 0 258 986 507		
	03.06 - 11.09	D4EB <(2D) D22>	4	2.2		▲ 0 258 986 507		
	11.09→	D4HB <(2F) R22>	4	2.2		● 0 281 004 044	400	5
						● 0 281 004 089	320	5

Scoupe

	02.90 - 06.92	G4DJ	4	1.5		● 0 258 003 957 0 258 986 502	1236	3
		G4DJ <New Orion>	4	1.5		● 0 258 002 053 0 258 986 501	795	1
	07.92 - 04.95	G4EK <Alpha>	4	1.5	07.92 - 06.93	● 0 258 003 957 0 258 986 502	1236	3
					07.93 - 04.95	● 0 258 005 726		
					07.92 - 06.93	● 0 258 003 957 0 258 986 502	1236	3
		G4EK-TC <Alpha>	4	1.5	07.93 - 04.95	● 0 258 005 726		

Sonata

Y2	09.89 - 06.93	G6AT <6G72>	6	3.0		● 0 258 986 501		
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Sonata II

Y3	07.93 - 04.96	G4CP <New Sirius>	4	2.0		● 0 258 986 507		
					02.95 - 04.96	▲ 0 258 986 507		
	07.93 - 06.98	G6AT	6	3.0		● 0 258 986 507		
	05.96 - 06.98	G4CP <New Sirius>	4	2.0		● 0 258 986 507		
						▲ 0 258 986 507		



Sonata III

EF	03.98 - 03.01	G6AV	6	2.5	Right side	▲	0 258 986 507		
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Sonata IV

EF	01.01 - 09.04	G4P <DOHC Sirius II>	4	2.0		●	0 258 986 507		
						▲	0 258 986 602		
	04.01 - 01.05	G6BA	6	2.7	Right side	▲	0 258 986 507		
				02.03 - 01.05		●	0 258 986 507		
					Left side	▲	0 258 986 507		

Sonata V

NF	01.06 - 12.07	D4EA <(2B) D20>	4	2.0	01.06 - 09.06	●	0 281 004 044	400	5
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Terracan

HP	07.01 - 10.06	G6CU1 <Sigma>	6	3.5		●	0 258 986 507		
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Tiburón

RD	04.96→	G4EK <DOHC Alpha>	4	1.5		●	0 258 986 007	F 00H L00 057	380	4
GK	03.02 - 12.03	G4GC...	4	2.0		●	0 258 986 602			
						▲	0 258 986 627	0 258 986 602	380	4
	03.02 - 08.09	G6BA...	6	2.7	02.03 - 08.09	●	0 258 986 507			
					Left side	▲	0 258 986 507			
					Right side	▲	0 258 986 507			

Trajet

FO	01.00 - 06.07	G6BA...	6	2.7		▲	0 258 986 507			
					02.03 - 06.07	●	0 258 986 507			

Tucson

JM	08.04 - 03.10	G4GC	4	2.0		●	0 258 986 602			
						▲	0 258 986 602			
	09.04 - 03.10	G6BA...	6	2.7	Right side	▲	0 258 986 602			

INFINITI

FX30d 3.0 4x4

S51	03.10→	V9X	6	3.0		●	0 281 004 167	400	5	
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FX37 3.7 4x4

S51	07.08→	VQ37VHR	6	3.7		▲	0 258 986 614	300	4	
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FX50 5.0 4x4

S51	07.08→	VK50VE	8	5.0		▲	0 258 986 614	300	4	
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M37 3.7

Y51	05.10→	VQ37VHR	6	3.7		▲	0 258 986 614	300	4	
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IVECO

Daily 29 L 14

	04.06→	F1AE0481H...	4	2.3		●	0 281 004 026	400	5	
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Daily 35 S 14

	04.06→	F1AE0481H...	4	2.3		●	0 281 004 026	400	5	
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IVECO

Daily 35 S 18							
04.06 - 05.09	F1CE0481H...	4	3.0	●	0 281 004 026	400	5

Daily 65 C 18							
04.06→	F1CE0481H..	4	3.0	●	0 281 004 026	400	5

JAGUAR

Daimler							
10.86 - 12.90	9 DPANA <AJ6>	6	3.6	●	0 258 003 957	0 258 986 502	1236 3
10.86 - 12.92	7P <Kat.>	12	5.3	●	0 258 003 957	0 258 986 502	1236 3
09.89 - 10.94	9 EPCNA <AJ6 KAT>	6	4.0	●	0 258 003 957	0 258 986 502	1236 3
09.94 - 10.98	9 JPFRB <AJ16>	6	4.0	●	0 258 003 957	0 258 986 502	1236 3

Sovereign							
10.86 - 08.89	AJ6.4 <Kat.>	6	3.6	●	0 258 003 957	0 258 986 502	1236 3
03.93 - 12.95		12	6.0	●	0 258 003 313	0 258 986 502	916 3

S-Type							
10.98 - 04.02	GC GB						
	Chass.no M45255→N52047	8	4.0	▲		0 258 986 507	
	Chass.no →M45254	8	4.0	●	0 258 005 716	0 258 986 507	300 4
10.98 - 03.08	FC FB						
	Chass.no M45255→N52047	6	3.0	▲		0 258 986 507	
	Chass.no →M45254	6	3.0	●	0 258 005 716	0 258 986 507	300 4
10.01 - 07.05	JB						
	Chass.no M45255→N52047	6	2.5	▲		0 258 986 507	
	Chass.no →M45254	6	2.5	●	0 258 005 716	0 258 986 507	300 4
10.01 - 03.08	HB						
	Chass.no M45255→N52047	8	4.2	▲		0 258 986 507	
	Chass.no →M45254	8	4.2	●	0 258 005 716	0 258 986 507	300 4
	1B						
	Chass.no M45255→N52047	8	4.2	▲		0 258 986 507	
	Chass.no →M45254	8	4.2	●	0 258 005 716	0 258 986 507	300 4

XF							
03.09→	AJV6D	6	3.0	●	0 281 004 125	1054	5

XJR8							
09.97 - 09.02	DC <AJV8>						
	Chass.no 853936→	8	4.0	▲		0 258 986 507	

XJ6							
03.79 - 10.86		6	4.2	●		0 258 986 501	
09.89 - 09.94	AJ6 <Kat.>	6	4.0	●	0 258 003 957	0 258 986 502	1236 3
10.90 - 09.94	9BPMNA <AJ6>	6	3.2	●	0 258 003 957	0 258 986 502	1236 3
10.94 - 12.98	AJ16						
	Chass.no 667829→708757	6	4.0	●	0 258 003 313	0 258 986 502	916 3

**XJ8**

09.97 - 09.00	BC <AJV8>								
	Chass.no F05776→	8	4.0			▲		0 258 986 507	
	Chass.no 853936→	8	4.0			▲		0 258 986 507	
	F05775								
09.97 - 01.03	AC <AJV8>								
	Chass.no F05776→	8	3.2			▲		0 258 986 507	
	Chass.no 853936→	8	3.2			▲		0 258 986 507	
	F05775								

XJ12

07.81 - 09.94	<Kat.>	12	5.3	07.81 - 03.90	●	0 258 003 957	0 258 986 502	1236	3
				04.90 - 09.94	●	0 258 003 957	0 258 986 502	1236	3
10.94 - 12.99	8D								
	Chass.no 667829→	12	6.0		●	0 258 003 313	0 258 986 502	916	3
	708757								

XKR8

03.98 - 09.02	EC <AJV8>	8	4.0		●		0 258 986 507		
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XK8

03.96 - 09.02	CE,CC,NC,NB <AJV8>	8	4.0		●		0 258 986 507		
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X-Type

03.01 - 11.09	XB	6	2.5		▲		0 258 986 507		
	WB	6	3.0		▲		0 258 986 507		
03.02 - 10.05	YB	6	2.0		▲		0 258 986 507		

JEEP**Cherokee**

XJ	09.93 - 08.01	ERH	6	4.0	09.93 - 12.97	▲	0 258 005 736	0 258 005 729	340	4
					09.93 - 12.98	●	0 258 005 722	0 258 986 507	493	4
					01.99 - 12.99	▲	F 00H L00 093	0 258 005 729	400	4
					01.99 - 12.00	●	0 258 005 722	0 258 986 507	493	4
					01.00 - 08.01	●	F 00H L00 048		340	4
KJ	03.01 - 12.07	ED1,EDO	4	2.4	03.01 - 12.03	▲		0 258 986 507		
						●	F 00H L00 210		350	4
		EKG <K>	6	3.7	03.01 - 12.03	●		0 258 986 507		
					Left side	▲		0 258 986 507		
					Right side	●		0 258 986 507		
KK	09.07→	EKG	6	3.7	01.04 - 12.07	▲		0 258 986 507		
						●		0 258 986 507		
						▲		0 258 986 507		

CJ7

09.78 - 12.85	6	4.2	09.80 - 12.85	●		0 258 986 501		
06.81 - 08.83	4	2.5		●		0 258 986 501		

Commander

XH	01.06→	EXL	6	3.0		●	0 258 017 090		350	5
					01.06 - 12.07	●	0 258 986 676	0 258 986 602	330	4
		EVA <N>	8	4.7		▲		0 258 986 602		
					01.08→	●		0 258 986 507		
						▲		0 258 986 507		
						●		0 258 986 507		





◀ JEEP

Compass									
MK	10.06→	EC...	4	2.0		●	0 258 017 016	560	5
		ED...	4	2.4		●	0 258 006 915	0 258 986 602	343 4
						▲	0 258 006 915	0 258 986 602	343 4

Grand Cherokee												
ZG	09.92 - 04.99	ERH <6L <S MPI>>	6	4.0	09.92 - 01.97		▲	0 258 003 829	0 258 986 503	1105	4	
					01.96 - 04.99		●	F 00H L00 049	0 258 005 729	593	4	
					01.98 - 04.99		▲	0 258 005 736	0 258 986 507	340	4	
WJ	09.98 - 08.04	ERH	6	4.0	09.98 - 08.00		●	F 00H L00 048	0 258 005 729	340	4	
							▲	0 258 005 722	0 258 005 729	493	4	
					09.00 - 08.03	Rear	●	F 00H L00 210		350	4	
			EVA	8	4.7	09.01 - 08.03	Front	●	F 00H L00 223		500	4
		09.00 - 08.01				Left side	●	0 258 986 676		330	4	
						Right side	●	0 258 986 690		490	4	
		09.00 - 08.04				Right side	▲	0 258 986 676		330	4	
WG	09.00 - 12.04	ERH,ERO <Power Tech>	6	4.0			●	F 00H L00 210	0 258 005 729	350	4	
		EVA <Power Tech>	8	4.7		Left side	●		0 258 986 602			
					Right side	●		0 258 986 602				
WK	09.04→	EKG	6	3.7	09.04 - 08.08	2 required	●		0 258 986 507			
WH	03.05→	EXL	6	3.0			●	0 258 017 090		350	5	
		EVA,EVO <Power TechV8>	8	4.7			●	0 258 986 676	0 258 986 602	330	4	
							▲		0 258 986 602			
		EZB,EZO <Hemi V8>	8	5.7			●		0 258 986 507			
WK	01.06→	ESF	8	6.1	01.06 - 08.06	cyls. 4 - 6	●		0 258 005 729			
							●		0 258 986 507			
							▲		0 258 986 507			

J10									
	11.82 - 04.85		6	4.2			●		0 258 986 501

Patriot									
MK	10.06→	EC...	4	2.0		●	0 258 017 016	560	5
		ED...	4	2.4		●	0 258 006 915	0 258 986 602	343 4
						▲	0 258 006 915	0 258 986 602	343 4

Wrangler											
TJ	01.97 - 02.07	ERH	6	4.0	01.97 - 08.98	▲	F 00H L00 093	0 258 986 507	400	4	
					01.97 - 12.98	●	0 258 005 722	0 258 986 507	493	4	
						▲	0 258 005 736	0 258 986 507	340	4	
					01.97 - 08.99	▲	F 00H L00 093	0 258 005 729	400	4	
					01.99 - 12.99	●	0 258 005 722	0 258 986 507	493	4	
						▲	F 00H L00 093	0 258 005 729	400	4	
					09.99 - 08.00	Front	●	0 258 005 737	0 258 986 507	495	4
							▲	0 258 005 737	0 258 986 507	495	4
						Rear	▲	F 00H L00 129		270	4
					01.00 - 12.00		●	F 00H L00 048	0 258 005 729	340	4
						cyls. 4 - 6	▲	F 00H L00 093	0 258 005 729	400	4
					09.00 - 08.03	Rear	●	F 00H L00 210		350	4
					09.01 - 08.03	Front	●	F 00H L00 223		500	4
							▲	F 00H L00 207	0 258 986 507	305	4
					01.04 - 12.04	cyls. 4 - 6	▲		0 258 986 507		
					01.05 - 02.07	cyls. 1 - 3	●		0 258 005 729		
						cyls. 4 - 6	●		0 258 005 729		
							▲		0 258 986 507		
					09.05 - 08.06	2 required	●		0 258 986 507		
	08.03 - 12.06	ERH	6	4.0	Ascertain in vehicle	▲		0 258 986 507			



JK	01.07→	ENS	4	2.8		▲	0 258 017 277			
		EGT	6	3.8	01.07 - 08.08	2 required	●	0 258 986 507		
					01.07 - 12.09	Left side	●	0 258 006 658	0 258 986 602	478 4
						Right side	●	0 258 006 915	0 258 986 602	343 4
						2 required	▲	0 258 986 507		

KIA

Carens

FC	04.99 - 05.02	TB <TED>	4	1.8		EEC 96 emission	●	F 00H L00 147	0 258 986 505	580 4
						Not EEC 96 emission	●	F 00H L00 141	0 258 986 505	415 4

Cerato

FE	03.04 - 01.09	G4GC	4	2.0			▲		0 258 986 602	
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Credos

	02.98 - 07.00	FE <DOHC FED>	4	2.0			●	0 258 003 653	0 258 986 502	545 3
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Rio

DC	07.00 - 02.05	A5D	4	1.5			●	0 258 986 507		
	09.02 - 02.05	A5D	4	1.5			▲	0 258 986 507		
JB, DE	03.05 - 09.11	G4EE	4	1.4			●	0 258 986 627	0 258 986 602	380 4
		G4ED	4	1.6			●	0 258 986 627	0 258 986 602	380 4

Sorento

JC	03.03 - 05.08	G6CU	6	3.5			●	0 258 986 507		
							▲	0 258 986 602		
	03.06 - 08.09	D4CB	4	2.5			●	0 281 004 093		360 5
	12.06 - 08.09	G6DB	6	3.3			●	0 281 004 044		400 5
XM	09.09→	D4HB	4	2.2			●	0 281 004 060		320 5

Soul

AM	01.09→	D4FB <Euro 4>	4	1.6			●	0 281 004 093		360 5
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Sportage

JA	01.97 - 10.98	FED	4	2.0			●	0 258 003 461	0 258 986 502	395 3
	11.98 - 03.04	FED	4	2.0		Ascertain in vehicle	●	F 00H L00 141		415 4
JE	09.04 - 04.07	G6BA	6	2.7		R bank	▲	0 258 986 602		
	01.06 - 04.07	D4EA...; D4EA-V	4	2.0			●	0 281 004 044		400 5
	05.07 - 05.10	D4EA	4	2.0			●	0 281 004 044		400 5
		G4GC	4	2.0			▲	0 258 986 602		

Sportage 2.0 CRDi 4x4

SL	01.11→	D4HA	4	2.0			●	0 281 004 060		320 5
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LAMBORGHINI (S+L+H)

Countach

	09.85 - 07.90	L 507 V4I	12	5.2			●	0 258 986 501		
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LAND ROVER GROUP

Discovery

09.89 - 12.98	22D <Kat.>	8	3.5	●	F 00E 261 358	550	3
10.93 - 12.98	V8 3.9 <EFI>	8	3.9	●	F 00E 261 358	550	3
10.98 - 08.04	36D 94D 56D <OHV>	8	4.0	●	0 258 005 175	0 258 986 505	350 4
				▲	0 258 005 176	0 258 986 505	600 4
09.09→	306DT	6	3.0	●	0 281 004 126	538	5

Freelander

LN	09.97 - 11.00	K18 / 18K16 <K-Serie>						
		Chass.no →YA 999999	4	1.8	●	0 258 003 193	0 258 986 506	423 4
		Chass.no 1A 000001→	4	1.8	▲	0 258 006 432	0 258 986 615	538 4
		Chass.no 1A 000001→	4	1.8	●	0 258 006 127	0 258 986 615	568 4
		1A569999						
		Chass.no 1A576764→	4	1.8	●	0 258 003 229	0 258 986 506	623 4
		1A599999						
		Chass.no 2A000001→	4	1.8	●	0 258 006 127	0 258 986 615	568 4
09.01 - 03.07	KV6 25 K4F	6	2.5	▲	0 258 006 432	0 258 986 615	538 4	

Freelander II

LF	10.06→	224DT	4	2.2	●	0 281 004 154	630	5
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Freelander 2 SD4 AWD

LF	09.10→	224DT	4	2.2	●	0 281 004 154	630	5
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Range Rover

06.70 - 06.86	22D <V8F-EFI-KAT>							
	Chass.no FA 351847→	8	3.5	w/catalytic converter	●	F 00E 261 358		550 3
01.87 - 09.90	V8F-EFI <KAT.>							
	Chass.no FA 351847→	8	3.5	w/catalytic converter	●	F 00E 261 358		550 3
11.88 - 08.94	37D,38D <V8-EFI-KAT>							
	Chass.no FA 351847→	8	3.9	w/catalytic converter	●	F 00E 261 358		550 3
09.94 - 08.02	42D							
	Chass.no XA 410482→	8	4.0		●	0 258 005 184	0 258 986 505	500 4
	46D							
	Chass.no XA 410482→	8	4.6		●	0 258 005 184	0 258 986 505	500 4
03.02 - 07.05	M62B44 V8	8	4.4		●	0 258 003 477	0 258 986 505	320 4
					▲	0 258 005 109	0 258 986 505	990 4
09.09→	306DT	6	3.0		●	0 281 004 126		538 5

LEXUS

ES300

VCV10	03.92 - 08.96	3VZFE	6	3.0	●	0 258 002 051	0 258 002 031	540 1
MCV20	08.96 - 07.01	1MZFE	6	3.0	●	0 258 986 606	0 258 986 602	565 4
MCV30	07.01 - 07.03	1MZFE	6	3.0	▲		0 258 986 602	

GS300

JZS160	08.97 - 01.05	2JZGE	6	3.0	●		0 258 986 602	
					▲	0 258 986 607	0 258 986 602	750 4
				09.03 - 01.05	Rear	●	0 258 986 697	470 4
GRS190	01.05 - 12.11	3GRFSE	6	3.0		●	0 258 986 697	470 4
				01.05 - 03.06		▲		0 258 986 602

GS430

UZS161	07.00 - 01.07	3UZFE	8	4.3		Right side	●	0 258 986 602
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GS450											
GWS191	02.06 - 02.12	2GRFSE	6	3.5			▲		0 258 986 602		
IS F 5.0											
USE20	12.07→	2URGSE Chass.no GSE25	8	5.0			▲		0 258 986 602		
IS250											
GSE20	08.05→	4GRFSE	6	2.5			▲		0 258 986 602		
IS300											
JCE10	07.01 - 07.05	2JZGE	6	3.0			▲		0 258 986 602		
					Ascertain in vehicle, cyls. 1 - 3		●		0 258 986 602		
					cyls. 4 - 6		●		0 258 986 602		
							▲	0 258 986 641	0 258 986 602	935	4
IS350											
GSE21R	08.10→	2GRFSE	6	3.5			▲		0 258 986 602		
LS400											
UCF10	12.89 - 09.94	1UZFE	8	4.0			●		0 258 986 602		
UCF20	10.94 - 08.00	1UZFE	8	4.0			▲		0 258 986 602		
LS430											
UCF30	08.00 - 08.06	3UZFE	8	4.3			▲		0 258 986 602		
					Right side		●		0 258 986 602		
LX470											
UZJ100	01.98 - 08.07	2UZFE	8	4.7			●		0 258 986 602		
							▲		0 258 986 617		
LX570											
URJ201	11.07→	3URFE	8	5.7			▲		0 258 986 602		
					Right side		▲		0 258 986 602		
RX330											
MCU33	03.02→	3MZFE	6	3.3	09.07 - 08.08		▲	0 258 986 647		300	4
RX350											
GSU35	01.06 - 12.08	2GRFE	6	3.5	Front		▲		0 258 986 602		
RX400											
MHU38	03.05 - 12.08	3MZFE	6	3.3			▲		0 258 986 602		
SC430											
UZZ40	05.01→	3UZFE	8	4.3			●		0 258 986 602		
							▲		0 258 986 602		
					Right side		●		0 258 986 602		



L



LOTUS

Elan										
	09.89 - 06.92	Isuzu 4XE1	4	1.6		●	0 258 986 501			
Elise										
	01.96 - 12.01	K-Serie	4	1.8	Ascertain in vehicle	●	0 258 003 229	0 258 986 506	623	4
								0 258 986 615	623	4
							0 258 006 127	0 258 986 506	568	4
Esprit										
	02.80 - 07.92	910	4	2.2		●	0 258 986 501			
Exige										
	10.01 - 10.04	2ZZ-GE	4	1.8	Ascertain in vehicle	●	0 258 003 229	0 258 986 506	623	4
								0 258 986 615	623	4
							0 258 006 127	0 258 986 506	568	4

MASERATI

Quattroporte										
	03.04→		8	4.2		●	0 258 007 272		1000	5

MAYBACH

57										
	09.02→	M 285.950 <E 55>	12	5.5		●	0 258 006 481	0 258 986 602	340	4
						▲	0 258 006 438	0 258 986 602	450	4
62										
	09.02→	M 285.950 <E 55>	12	5.5		●	0 258 006 481	0 258 986 602	340	4
						▲	0 258 006 438	0 258 986 602	450	4

MAZDA

B2600										
UF	08.89 - 03.96	G6	4	2.6		●	F 00H L00 172	0 258 002 210	1110	2
	03.96 - 05.99	G6	4	2.6	2-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
					4-pin connection	●	0 258 005 708	0 258 986 507	510	4
UN	02.99 - 03.06	G6	4	2.6	2-pin connection	●	F 00H L00 172	0 258 002 210	1110	2
					4-pin connection	●	0 258 005 708	0 258 986 507	510	4
Eunos 30X										
EC	12.91 - 01.98	K8	6	1.8		●		0 258 986 602		
						▲		0 258 986 602		
Eunos 500										
CA	04.94 - 09.96	KF	6	2.0		●	0 258 005 708	0 258 986 507	510	4
		Chass.no CA10**-100938→	6	2.0	Left side	●		0 258 986 507		
					Right side	●		0 258 986 507		
Eunos 800										
TA	09.93 - 06.96	KL	6	2.5		●	0 258 005 708	0 258 986 507	510	4
	02.94 - 05.96	KJ	6	2.3	Ascertain in vehicle	●		0 258 986 502		
	06.96→		6	2.5		●		0 258 986 507		
						▲		0 258 986 507		



Millenia										
TA	08.00→	KJ <Miller-Cycle>	6	2.3		●	0 258 986 502			
						▲	0 258 986 502			
MPV										
LV	08.93 - 04.96	E	6	3.0		●	0 258 986 501	0 258 986 501	195	1
LW	03.02 - 06.04	L3	4	2.3		●	0 258 986 507			
	03.02 - 12.05	AJ/AJDE	6	3.0	Front	●	0 258 986 507			
					Rear	●	0 258 005 708	0 258 986 507	510	4
LW	05.02 - 08.04	E	6	3.0	Front	●	0 258 986 507			
						▲	0 258 986 602			
					Rear	●	0 258 005 708	0 258 986 507	510	4
						▲	0 258 986 507			
MX-5										
NA	08.89 - 08.93	B64F	4	1.6		●	0 258 986 501			
	09.93 - 11.97	BP								
		Chass.no →NA18** 309286	4	1.8		●	0 258 986 602			
NB	01.98 - 07.05	BPD	4	1.8	01.98 - 08.00	●	0 258 986 602			
					09.00 - 07.05	●	0 258 986 507			
		Chass.no 200302→	4	1.8	Auto Trans.	▲	0 258 986 602			
	09.00 - 07.05	BPZE	4	1.8	Auto Trans.	●	0 258 986 507			
MX-6										
GD	07.87 - 10.88	F2	4	2.2		●	0 258 002 054	0 258 986 501	590	1
	09.89 - 06.91	F2	4	2.2		●	0 258 986 501	0 258 986 501	195	1
GE	07.94 - 06.97	KL								
		Chass.no GE*0*2-111879→	6	2.5	cyls. 1 - 3	●	0 258 986 507			
					cyls. 4 - 6	●	0 258 986 507			
		Chass.no →GE*0*2-111879	6	2.5		●	0 258 005 708	0 258 986 507	510	4
Premacy										
CP	11.01 - 05.03	FS	4	2.0		▲	0 258 986 602			
RX-7										
FC	09.85 - 04.89	13BN34 <Kat.>	2	1.3		●	0 258 002 054	0 258 986 501	590	1
	03.89 - 11.91	13B	2	1.3		●	0 258 986 501			
FD	01.92 - 07.94	13B	2	1.3		●	0 258 986 501			
	07.94 - 02.96	RE13B	2	1.3		●	0 258 986 501			
RX-8										
SE	04.03 - 04.08	13B	2	1.3		▲	0 258 986 602			
Tribute										
	12.00→	AJ	6	3.0		●	0 258 005 718	0 258 986 507	511	4
						▲	0 258 005 718	0 258 986 507	511	4
3										
BK	07.03 - 12.08	LF	4	2.0	07.03 - 03.06	●	0 258 986 507			
						▲	0 258 986 602			
6										
GG/GY	02.02 - 08.07	L3	4	2.3	02.02 - 02.05	▲	0 258 986 602			
		Chass.no 693225→	4	2.3		▲	0 258 986 602			
	04.02 - 08.08	L3	4	2.3	04.02 - 02.05	▲	0 258 986 602			
		Chass.no →693224	4	2.3	03.05 - 08.08	▲	0 258 986 602			
		Chass.no 693225→	4	2.3		▲	0 258 986 602			
	06.02 - 12.07	L3	4	2.3	06.02 - 02.05	▲	0 258 986 602			
					03.05 - 12.07	▲	0 258 986 602			
	08.02 - 12.07	L3	4	2.3	08.02 - 02.05	▲	0 258 986 602			





◀ MAZDA

121									
DA	04.89 - 10.90	B3A6	4	1.3	●	0 258 002 054	0 258 986 501	590	1
DB	11.90 - 12.95	B3	4	1.3	●	0 258 003 703	0 258 986 502	395	3
	11.93 - 12.95	B5M1	4	1.5	●	0 258 003 703	0 258 986 502	395	3
DW	08.96 - 12.99	B3	4	1.3	●		0 258 986 502		
		B5	4	1.5	●		0 258 986 502		
	01.00 - 12.02	B3	4	1.3	●		0 258 986 502		
		B5	4	1.5	●		0 258 986 502		

323									
BF	07.85 - 07.87	B6	4	1.6	●	0 258 002 054	0 258 986 501	590	1
	09.87 - 06.89	B6	4	1.6	●	0 258 002 054	0 258 986 501	590	1
BG	07.89 - 05.94	BP	4	1.8	●	0 258 002 054	0 258 986 501	590	1
BA	05.94 - 09.95	BP	4	1.8	●		0 258 986 501		
		KF/F	6	2.0	●		0 258 986 507		
							0 258 986 602		
	11.94 - 09.95	BP	4	1.8	●		0 258 986 501		
	08.95 - 09.96	B6	4	1.6	●		0 258 986 501		
		BP	4	1.8	●		0 258 986 501		
	10.96 - 06.98	B6	4	1.6	●		0 258 986 501		
		BP	4	1.8	●		0 258 986 501		
	10.96 - 07.98	KF	6	2.0	●		0 258 986 507		
BJ	05.98 - 10.00	FP	4	1.8	●		0 258 986 507		
	07.98 - 11.00	ZM	4	1.6	●		0 258 986 507		
	07.98 - 09.03	FP	4	1.8	●		0 258 986 507		
					Ascertain in vehicle	●	0 258 986 602		
	12.00 - 12.03	ZM	4	1.6	●		0 258 986 507		
		FP	4	1.8	●		0 258 986 507		
		FS	4	2.0	●		0 258 986 507		
					Ascertain in vehicle	●	0 258 986 602		
	01.01→	FP	4	1.8	●		0 258 986 502		

626									
GC	09.85 - 06.87	FE	4	2.0	●	0 258 002 054	0 258 986 501	590	1
GD	07.87 - 08.89	F2	4	2.2	●	0 258 002 054	0 258 986 501	590	1
GV	03.88 - 09.89	F2	4	2.2	●	0 258 002 054	0 258 986 501	590	1
GD	09.89 - 09.91	F2	4	2.2	●	0 258 986 501	0 258 986 501	195	1
GE	09.91 - 05.94	KL	6	2.5	●	0 258 005 708	0 258 986 507	510	4
	01.92 - 05.94	FS	4	2.0	●	0 258 005 708	0 258 986 507	510	4
	04.92 - 05.94	KL	6	2.5	●	0 258 005 708	0 258 986 507	510	4
	06.94 - 06.97	FS							
		Chass.no →GE*0*2-111840	4	2.0	●	0 258 005 708	0 258 986 507	510	4
		KL							
		Chass.no GE*0*2-111879→	6	2.5			0 258 986 507		
					cyls. 1 - 3	●			
					cyls. 4 - 6	●	0 258 986 507		
		Chass.no →GE*0*2-111879	6	2.5	●	0 258 005 708	0 258 986 507	510	4
GF	06.97 - 10.99	FSD	4	2.0	●	0 258 005 708	0 258 986 507	510	4
					Auto Trans.	●	0 258 986 507		
					Manual Trans.	●	0 258 986 507		
		FSD DOHC	4	2.0	●		0 258 986 507		
					Auto Trans.	●	0 258 986 507		
					Manual Trans.	●	0 258 986 507		
	11.99 - 08.02	FSD	4	2.0	●	0 258 005 708	0 258 986 507	510	4
					Auto Trans.	●	0 258 986 507		
					Manual Trans.	●	0 258 986 507		

626 Turbo									
GC	01.86 - 06.87	FE	4	2.0	●	0 258 002 054	0 258 986 501	590	1
GD	10.87 - 09.91	F2	4	2.2	●	0 258 002 054	0 258 986 501	590	1
	09.89 - 09.91	F2	4	2.2	●	0 258 986 501	0 258 986 501	195	1



929									
HB	09.85 - 02.87	FE <HBES>	4	2.0		● 0 258 002 054	0 258 986 501	590	1
HC	02.87 - 06.91	JE	6	3.0		●	0 258 986 504		
HD	05.91 - 12.95	JE	6	3.0	Right side	● 0 258 005 708	0 258 986 507	510	4
HE	11.95 - 09.97	JE	6	3.0		●	0 258 986 507		

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A140									
W168	10.97 - 08.04	M 166.940 <E 14>							
		Chass.no J 568590→	4	1.4		● 0 258 006 436	0 258 986 602	260	4
						▲ 0 258 006 473	0 258 986 602	400	4
	03.01 - 08.04	Chass.no →J 568589	4	1.4		● 0 258 006 123	0 258 986 615	260	4
						▲ 0 258 006 125	0 258 986 615	400	4
		M 166.940 <E 14>							
		Chass.no J 568590→	4	1.4		● 0 258 006 436	0 258 986 602	260	4
						▲ 0 258 006 473	0 258 986 602	400	4
		Chass.no →J 568589	4	1.4		● 0 258 006 123	0 258 986 615	260	4
						▲ 0 258 006 125	0 258 986 615	400	4

A150									
W169	09.04 - 04.09	M 266.920 <E 15>							
		Chass.no J 151311→	4	1.5		● 0 258 006 749	0 258 986 602	330	4
						▲ 0 258 006 749	0 258 986 602	330	4

A160									
W168	10.97 - 08.04	M 166.960 <E 16>							
		Chass.no J 568590→	4	1.6		● 0 258 006 436	0 258 986 602	260	4
						▲ 0 258 006 473	0 258 986 602	400	4
	03.01 - 08.04	Chass.no →J 568589	4	1.6		● 0 258 006 123	0 258 986 615	260	4
						▲ 0 258 006 125	0 258 986 615	400	4
		M 166.960 <E 16>							
		Chass.no J 568590→	4	1.6		● 0 258 006 436	0 258 986 602	260	4
						▲ 0 258 006 473	0 258 986 602	400	4
		Chass.no →J 568589	4	1.6		● 0 258 006 123	0 258 986 615	260	4
						▲ 0 258 006 125	0 258 986 615	400	4

A170									
W169	09.04 - 04.09	M 266.940 <E 17>							
		Chass.no J 151311→	4	1.7		● 0 258 006 749	0 258 986 602	330	4
						▲ 0 258 006 749	0 258 986 602	330	4

A190									
W168	03.99 - 08.04	M 166.990 <E 19>							
		Chass.no J 568590→	4	1.9		● 0 258 006 436	0 258 986 602	260	4
						▲ 0 258 006 473	0 258 986 602	400	4
	03.01 - 08.04	Chass.no →J 568589	4	1.9		● 0 258 006 123	0 258 986 615	260	4
						▲ 0 258 006 125	0 258 986 615	400	4
		M 166.990 <E 19>							
		Chass.no J 568590→	4	1.9		● 0 258 006 436	0 258 986 602	260	4
						▲ 0 258 006 473	0 258 986 602	400	4
		Chass.no →J 568589	4	1.9		● 0 258 006 123	0 258 986 615	260	4
						▲ 0 258 006 125	0 258 986 615	400	4

A200									
W169	04.04→	M 266.960 <E 20>							
		Chass.no J 151311→	4	2.0		● 0 258 006 749	0 258 986 602	330	4
	06.05 - 10.10	M 266.980 <E 20 LA>	4	2.0		▲ 0 258 006 749	0 258 986 602	330	4
						● 0 258 006 749	0 258 986 602	330	4





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B180 CDI																
W245	04.05→	OM 640.940 <DE 20 LA>	4	2.0	Euro 5 emissions	●	0 258 017 016	560	5							
					Not Euro 5 emissions	●	0 258 017 014	350	5							
B200																
W245	04.05 - 10.10	M 266.980 <E 20 LA>	4	2.0		●	0 258 006 749	0 258 986 602	330	4						
						▲	0 258 006 749	0 258 986 602	330	4						
	04.05→	M 266.960 <E 20>	4	2.0		●	0 258 006 749	0 258 986 602	330	4						
						▲	0 258 006 749	0 258 986 602	330	4						
C 200 KOMPRESSOR																
W203	05.00 - 08.02	M 111.955 <E 20 EVO ML>	4	2.0		●	0 258 006 272	0 258 986 615	420	4						
						▲	0 258 006 268	0 258 986 615	600	4						
C 200 KOMPRESSOR Sportcoupe																
W203	01.01 - 08.02	M 111.955 <E 20 EVO ML>	4	2.0		●	0 258 006 272	0 258 986 615	420	4						
						▲	0 258 006 268	0 258 986 615	600	4						
C 200 KOMPRESSOR T-Modell																
W202	04.00 - 02.01	M 111.956 <E 20 EVO ML>	4	2.0		●	0 258 006 167	0 258 986 615	450	4						
						▲	0 258 006 125	0 258 986 615	400	4						
CL 600 Coupe																
W140	06.96 - 08.99	M 120.982	12	6.0		●	0 258 003 782	0 258 986 505	347	4						
CLC200 Kompressor																
W203	03.08 - 05.10	M 271.957 <KE 18 ML REPO>	4	1.8		●	0 258 007 161		850	5						
						▲	0 258 006 475	0 258 986 602	660	4						
CLK55 AMG																
W208	05.99 - 04.02	M 113.984 <E55> Chass.no F 136790→, T 000731→	8	5.4	Auto Trans.,Left side	●	0 258 006 320	0 258 986 615	340	4						
					Auto Trans.,Right side	●	0 258 006 326	0 258 986 615	1180	4						
					Left side	▲	0 258 006 320	0 258 986 615	340	4						
					Right side	▲	0 258 006 324	0 258 986 615	610	4						
					Chass.no →F 136789, →T 000730	Left side	●	0 258 005 088	0 258 986 505	845	4					
							▲	0 258 005 094	0 258 986 505	340	4					
						Right side	●	0 258 005 090	0 258 986 505	670	4					
							▲	0 258 005 092	0 258 986 505	610	4					
						W209	08.01 - 08.06	M 113.987 <E 55>	8	5.4		▲	0 258 006 183	0 258 986 615	350	4
						Left side					●	0 258 006 318	0 258 986 615	830	4	
	Right side	●	0 258 006 167	0 258 986 615	450	4										
CLK63 AMG																
W209	09.06 - 12.09	M 156.982 <E 63>	8	6.2		▲	0 258 006 749	0 258 986 602	330	4						
					Left side	●	0 258 017 020		1260	5						
					Right side	●	0 258 017 016		560	5						
CLK200																
W208	06.97 - 06.00	M 111.945 <E20>	4	2.0		●	0 258 003 870	0 258 986 507	1000	4						
CLK200 Kompressor																
W208	06.00 - 01.03	M 111.956 <E 20 EVO ML>	4	2.0		●	0 258 006 167	0 258 986 615	450	4						
						▲	0 258 006 125	0 258 986 615	400	4						
W209	09.02 - 09.06	M 271.940 <KE 18 ML>	4	1.8		●	0 258 007 161		850	5						
						▲	0 258 006 475	0 258 986 602	660	4						

**CLK230 Kompressor**

W208	06.97 - 06.00	M 111.975 <E23 ML>	4	2.3	Auto Trans.	● 0 258 003 870	0 258 986 507	1000	4
						● 0 258 003 870	0 258 986 507	1000	4
						● 0 258 005 083	0 258 986 507	1150	4
						● 0 258 005 083	0 258 986 507	1150	4
						● 0 258 005 083	0 258 986 507	1150	4
	06.98 - 05.00	M 111.975 <E23 ML>	4	2.3	Auto Trans.	● 0 258 003 870	0 258 986 507	1000	4
						● 0 258 003 870	0 258 986 507	1000	4
						● 0 258 005 083	0 258 986 507	1150	4
						● 0 258 005 083	0 258 986 507	1150	4
						● 0 258 005 083	0 258 986 507	1150	4
	06.00 - 04.02	M 111.982 <EVO ML>	4	2.3		● 0 258 006 167	0 258 986 615	450	4
						▲ 0 258 006 125	0 258 986 615	400	4

CLK240

W209	05.02 - 03.05	M 112.912 <E 26>	6	2.6		▲ 0 258 006 183	0 258 986 615	350	4
					Left side	● 0 258 006 359	0 258 986 615	640	4
					Right side	● 0 258 006 167	0 258 986 615	450	4

CLK280

W209	04.05 - 12.09	M 272.940 <E 30>	6	3.0		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4

CLK320

W208	06.98 - 01.03	M 112.940 <E32>	6	3.2	Auto Trans.,Left side	● 0 258 006 320	0 258 986 615	340	4
					Auto Trans.,Right side	● 0 258 006 326	0 258 986 615	1180	4
					Left side	▲ 0 258 006 320	0 258 986 615	340	4
					Right side	▲ 0 258 006 324	0 258 986 615	610	4
					Chass.no T 054272→	6	3.2	Left side	● 0 258 005 088
		Right side	▲ 0 258 005 094	0 258 986 505	340			4	
		Left side	● 0 258 005 090	0 258 986 505	670			4	
		Right side	▲ 0 258 005 092	0 258 986 505	610			4	
		Chass.no →T 054271	▲ 0 258 006 183	0 258 986 615	350			4	
		W209	05.02 - 03.05	M 112.955 <E 32>	6	3.2	Left side	● 0 258 006 359	0 258 986 615
Right side	● 0 258 006 167						0 258 986 615	450	4

CLK350

W209	04.05 - 12.09	M 272.960 <E 35>	6	3.5		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4

CLK430

W208	09.98 - 04.02	M 113.943 <E43>	8	4.3	Auto Trans., Left side	● 0 258 006 320	0 258 986 615	340	4
					Auto Trans., Right side	● 0 258 006 326	0 258 986 615	1180	4
					Left side	▲ 0 258 006 320	0 258 986 615	340	4
					Right side	▲ 0 258 006 324	0 258 986 615	610	4
					Left side	● 0 258 005 088	0 258 986 505	845	4
						▲ 0 258 005 094	0 258 986 505	340	4
					Right side	● 0 258 005 090	0 258 986 505	670	4
						▲ 0 258 005 092	0 258 986 505	610	4
	09.98 - 01.03	M 113.943 <E43>	8	4.3	Auto Trans., Left side	● 0 258 006 320	0 258 986 615	340	4
					Auto Trans., Right side	● 0 258 006 326	0 258 986 615	1180	4
					Left side	▲ 0 258 006 320	0 258 986 615	340	4
					Right side	▲ 0 258 006 324	0 258 986 615	610	4
					Left side	● 0 258 005 088	0 258 986 505	845	4
						▲ 0 258 005 094	0 258 986 505	340	4





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CLK500									
W209	05.02 - 07.06	M 113.968 <E 50>	8	5.0		▲ 0 258 006 183	0 258 986 615	350	4
					Left side	● 0 258 006 359	0 258 986 615	640	4
	09.06 - 12.09	M 273.967 <E 55>	8	5.5	Right side	● 0 258 006 167	0 258 986 615	450	4
						● 0 258 017 016		560	5
					▲ 0 258 006 749	0 258 986 602	330	4	
CLS55 AMG									
W219	06.04 - 08.06	M 113.990 <E 55>	8	5.4		● 0 258 006 272	0 258 986 615	420	4
						▲ 0 258 006 328	0 258 986 615	450	4
CLS63 AMG									
W219	04.06 - 02.11	M 156.983 <E 63>	8	6.2		▲ 0 258 006 747	0 258 986 602	490	4
					Left side	● 0 258 017 016		560	5
					Right side	● 0 258 017 016		560	5
CLS350									
W219	06.04 - 12.09	M 272.964 <E 35>	6	3.5		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4
	04.06 - 09.10	M 272.985 <DE 35>	6	3.5		● 0 258 017 080		560	5
						▲ 0 258 006 749	0 258 986 602	330	4
CLS500									
W219	06.04 - 04.06	M 113.967 <E 50>	8	5.0		● 0 258 006 272	0 258 986 615	420	4
						▲ 0 258 006 328	0 258 986 615	450	4
	04.06 - 09.10	M 273.960 <E 55>	8	5.5		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4
CL55 AMG									
W215	09.99 - 08.02	M 113.986 <E 55>	8	5.4		● 0 258 006 274	0 258 986 615	480	4
						▲ 0 258 006 276	0 258 986 615	340	4
CL55 AMG Kompressor									
W215	09.02 - 08.06	M 113.991 <E 55 ML AMG>	8	5.4		● 0 258 006 274	0 258 986 615	480	4
						▲ 0 258 006 276	0 258 986 615	340	4
CL63 AMG									
W216	01.07 - 07.10	M 156.984 <E 63>	8	6.2		● 0 258 017 016		560	5
						▲ 0 258 006 747	0 258 986 602	490	4
CL65 AMG									
W215	09.03 - 08.06	M 275.980 <E 60>	12	6.0		● 0 258 006 473	0 258 986 602	400	4
						▲ 0 258 006 438	0 258 986 602	450	4
W216	09.07 - 07.10	M 275.982 <E 60>	12	6.0		● 0 258 006 473	0 258 986 602	400	4
						▲ 0 258 006 473	0 258 986 602	400	4
CL500									
W215	09.99 - 05.06	M 113.960 <E 50> Chass.no A 008783→	8	5.0		● 0 258 006 274	0 258 986 615	480	4
						▲ 0 258 006 276	0 258 986 615	340	4
		Chass.no →A 008782	8	5.0		● 0 258 003 642	0 258 986 505	480	4
						▲ 0 258 003 782	0 258 986 505	347	4
W216	06.06 - 07.10	M 273.961 <E 55>	8	5.5		● 0 258 017 016		560	5
						▲ 0 258 006 747	0 258 986 602	490	4
CL600									
W215	09.99 - 08.02	M 137.970 <E 58>	12	5.8		● 0 258 006 167	0 258 986 615	450	4
						▲ 0 258 006 125	0 258 986 615	400	4

		Type	Cyl.	l/ccm	Product		C/D		UNI		
W215	09.02 - 08.06	M 275.950 <E 55>	12	5.5				● 0 258 006 473	0 258 986 602	400	4
								▲ 0 258 006 438	0 258 986 602	450	4
					09.02 - 08.04	4 required		● 0 258 006 167	0 258 986 615	450	4
W216	09.06→	M 275.953 <E 55>	12	5.5				● 0 258 006 473	0 258 986 602	400	4
								▲ 0 258 006 473	0 258 986 602	400	4
C32 AMG Kompressor											
W203	01.01 - 01.04	M 112.961 <E 32 AMG>	6	3.2				▲ 0 258 006 183	0 258 986 615	350	4
					Left side			● 0 258 006 359	0 258 986 615	640	4
					Right side			● 0 258 006 167	0 258 986 615	450	4
C36 AMG											
W202	01.94 - 05.97	M 104.941 <AMG>									
		Chass.no A 436536→, F 483848→	6	3.6				● 0 258 005 005	0 258 986 505	180	4
		Chass.no →A436535, →F483847	6	3.6				● 0 258 003 427	0 258 986 503	230	4
C43 AMG											
W202	11.97 - 04.00	M 113.944	8	4.3		Left side		● 0 258 005 088	0 258 986 505	845	4
								▲ 0 258 005 094	0 258 986 505	340	4
					Right side			● 0 258 005 090	0 258 986 505	670	4
								▲ 0 258 005 092	0 258 986 505	610	4
C55 AMG											
W203	02.04 - 08.07	M 113.988 <E 55>	8	5.4				▲ 0 258 006 183	0 258 986 615	350	4
					Left side			● 0 258 006 318	0 258 986 615	830	4
					Right side			● 0 258 006 167	0 258 986 615	450	4
C63 AMG											
W204	02.08→	M 156.985 <E 63>	8	6.2				● 0 258 017 016		560	5
								▲ 0 258 006 749	0 258 986 602	330	4
C63 AMG T-Model											
W204	02.08→	M 156.985 <E 63>	8	6.2				● 0 258 017 016		560	5
								▲ 0 258 006 749	0 258 986 602	330	4
C180											
W202	03.93 - 08.95	M 111.920 <E 18>									
		Eng. no. →..050883	4	1.8	Auto Trans.			● 0 258 003 365	0 258 986 506	680	4
		Eng. no. →..117655	4	1.8	Manual Trans.			● 0 258 003 365	0 258 986 506	680	4
		Eng. no. →..050884→	4	1.8	Auto Trans.			● 0 258 003 513	0 258 986 506	860	4
		Eng. no. →..117656→	4	1.8	Manual Trans.			● 0 258 003 513	0 258 986 506	860	4
	09.95 - 04.00	M 111.921 <E 18>									
		Eng. no. →..004126	4	1.8	Auto Trans.			● 0 258 003 870	0 258 986 507	1000	4
		Eng. no. →..007268	4	1.8	Manual Trans.			● 0 258 003 870	0 258 986 507	1000	4
		Eng. no. →..004127→	4	1.8	Auto Trans.			● 0 258 005 083	0 258 986 507	1150	4
		Eng. no. →..007269→	4	1.8	Manual Trans.			● 0 258 005 083	0 258 986 507	1150	4
W203	10.00 - 08.02	M 111.951 <E 20 EVO>	4	2.0	Euro 3 emissions			● 0 258 006 181	0 258 986 615	500	4
								▲ 0 258 006 268	0 258 986 615	600	4
					Euro 4 emissions			● 0 258 006 324	0 258 986 615	610	4
								▲ 0 258 006 123	0 258 986 615	260	4
C180 Kompressor											
W203	09.02 - 02.08	M 271.946 <KE 18 ML>	4	1.8				● 0 258 007 161		850	5
								▲ 0 258 006 475	0 258 986 602	660	4





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C180 T-Model

W202	05.96 - 02.01	M 111.920 <E 18>							
		Eng. no. →..050883	4	1.8	Auto Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. →..117655	4	1.8	Manual Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. ..050884→	4	1.8	Auto Trans.	●	0 258 003 513	0 258 986 506	860 4
		Eng. no. ...117656→	4	1.8	Manual Trans.	●	0 258 003 513	0 258 986 506	860 4

C200

W202	01.94 - 04.00	M 111.941 <E 20>							
		Eng. no. →..014845	4	2.0	Manual Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. →..015981	4	2.0	Auto Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. ..014846→	4	2.0	Manual Trans.	●	0 258 003 513	0 258 986 506	860 4
		Eng. no. ...015982→	4	2.0	Auto Trans.	●	0 258 003 513	0 258 986 506	860 4

C200 CGI T-Model

W204	04.09→	M 271.8... <DE 18 EVO>	4	1.8		●	0 258 017 203		
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C200 Kompressor

W203	09.02 - 02.07	M 271.940 <KE 18 ML>	4	1.8		●	0 258 007 161		850 5
						▲	0 258 006 475	0 258 986 602	660 4
	04.03 - 04.05	M 271.942 <DE 18 ML>	4	1.8		●	0 258 007 161		850 5
						▲	0 258 006 475	0 258 986 602	660 4
W204	03.07 - 04.10	M 271.950 <KE 18 ML>	4	1.8		●	0 258 017 121		830 5
						▲	0 258 006 475	0 258 986 602	660 4

C200 Kompressor Sportcoupe

W203	09.02 - 02.08	M 271.940 <KE 18 ML>	4	1.8		●	0 258 007 161		850 5
						▲	0 258 006 475	0 258 986 602	660 4

C200 Kompressor T-Model

W203	01.01 - 08.02	M 111.955 <E 20 EVO ML>	4	2.0		●	0 258 006 272	0 258 986 615	420 4
						▲	0 258 006 268	0 258 986 615	600 4
	09.02 - 08.07	M 271.940 <KE 18 ML>	4	1.8		●	0 258 007 161		850 5
						▲	0 258 006 475	0 258 986 602	660 4
W204	09.07 - 04.10	M 271.950 <KE 18 ML>	4	1.8		●	0 258 017 121		830 5
						▲	0 258 006 475	0 258 986 602	660 4

C200 T-Model

W202	05.96 - 02.01	M 111.941 <E 20>							
		Eng. no. →..014845	4	2.0	Manual Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. →..015981	4	2.0	Auto Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. ..014846→	4	2.0	Manual Trans.	●	0 258 003 513	0 258 986 506	860 4
		Eng. no. ...015982→	4	2.0	Auto Trans.	●	0 258 003 513	0 258 986 506	860 4

C220

W202	03.93 - 09.96	M 111.961 <E 22>							
		Eng. no. →..017341	4	2.2	Manual Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. →..050895	4	2.2	Auto Trans.	●	0 258 003 365	0 258 986 506	680 4
		Eng. no. ..017342→	4	2.2	Manual Trans.	●	0 258 003 513	0 258 986 506	860 4
		Eng. no. ..050896→	4	2.2	Auto Trans.	●	0 258 003 513	0 258 986 506	860 4
W203	03.03 - 02.07	OM 646.963 <DE 22 LA>	4	2.2		●	0 258 017 016		560 5
W204	03.07 - 04.09	OM 646.811	4	2.2		●	0 258 017 016		560 5
		<DE 22 LALL EVO>							
	09.07 - 03.09	OM 646.811 <DE 22>	4	2.1		●	0 258 017 016		560 5

C220 CDI

W204	12.08→	OM 651.911 <D 22 LHD>	4	2.1	for Start-Stop veh.	●	0 281 004 205		630 5
					non Start-Stop veh.	●	0 258 017 108		630 5

**C220 CDI T-Model**

W204	04.09→	OM 651.911 <D 22 G>	4	2.1	for Start-Stop veh.	● 0 281 004 205	630	5
					non Start-Stop veh.	● 0 258 017 108	630	5

C230

W202	09.96 - 08.97	M 111.974 <E 23>						
		Eng. no. →..001871	4	2.3	Manual Trans.	● 0 258 003 870	0 258 986 507	1000 4
		Eng. no. →..004991	4	2.3	Auto Trans.	● 0 258 003 870	0 258 986 507	1000 4
		Eng. no. →..001872→	4	2.3	Manual Trans.	● 0 258 005 083	0 258 986 507	1150 4
		Eng. no. →..004992→	4	2.3	Auto Trans.	● 0 258 005 083	0 258 986 507	1150 4
W203	06.05 - 07.07	M 272.920 <E 25>	6	2.5		● 0 258 017 016		560 5
						▲ 0 258 006 749	0 258 986 602	330 4

C230 Kompressor Sportcoupe

W203	08.03 - 05.05	M 271.948 <KE 18 ML>	4	1.8		● 0 258 007 161		850 5
						▲ 0 258 006 475	0 258 986 602	660 4

C230 Sportcoupe

W203	06.05 - 02.08	M 272.920 <E 25>	6	2.5		● 0 258 017 016		560 5
						▲ 0 258 006 749	0 258 986 602	330 4

C230 T-Model

W202	05.96 - 05.97	M 111.974						
		Eng. no. →..001871	4	2.3	Manual Trans.	● 0 258 003 870	0 258 986 507	1000 4
		Eng. no. →..004991	4	2.3	Auto Trans.	● 0 258 003 870	0 258 986 507	1000 4
		Eng. no. →..001872→	4	2.3	Manual Trans.	● 0 258 005 083	0 258 986 507	1150 4
		Eng. no. →..004992→	4	2.3	Auto Trans.	● 0 258 005 083	0 258 986 507	1150 4
W203	06.05 - 08.07	M 272.920 <E 25>	6	2.5		● 0 258 017 016		560 5
						▲ 0 258 006 749	0 258 986 602	330 4

C240

W202	06.97 - 04.00	M 112.910 <E 24>	6	2.4	Left side	● 0 258 005 088	0 258 986 505	845 4
						▲ 0 258 005 094	0 258 986 505	340 4
					Right side	● 0 258 005 090	0 258 986 505	670 4
						▲ 0 258 005 092	0 258 986 505	610 4
						▲ 0 258 006 183	0 258 986 615	350 4
W203	05.00 - 05.05	M 112.912 <E 26>	6	2.6	Left side	● 0 258 006 359	0 258 986 615	640 4
					Right side	● 0 258 006 167	0 258 986 615	450 4

C240 T-Model

W202	06.97 - 02.01	M 112.910 <E 24>	6	2.4	Left side	● 0 258 005 088	0 258 986 505	845 4
						▲ 0 258 005 094	0 258 986 505	340 4
					Right side	● 0 258 005 090	0 258 986 505	670 4
						▲ 0 258 005 092	0 258 986 505	610 4
						▲ 0 258 006 183	0 258 986 615	350 4
W203	01.01 - 05.05	M 112.912 <E 26>	6	2.6	Left side	● 0 258 006 359	0 258 986 615	640 4
					Right side	● 0 258 006 167	0 258 986 615	450 4

C250 CGI

W204	04.09→	M 271.860 <DE 18 EVO>	4	1.8		● 0 258 017 203		
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C250 CGI T-Model

W204	04.09→	M 271.860 <DE 18 EVO>	4	1.8		● 0 258 017 203		
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C280

W202	05.93 - 05.97	M 104.941						
		Chass.no A 436536→, F 483848→	6	2.8		● 0 258 005 005	0 258 986 505	180 4
		Chass.no →A436535, →F483847	6	2.8		● 0 258 003 427	0 258 986 503	230 4





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W202	06.97 - 04.00	M 112.920 <E 28>	6	2.8	Left side	● 0 258 005 088	0 258 986 505	845	4
						▲ 0 258 005 094	0 258 986 505	340	4
					Right side	● 0 258 005 090	0 258 986 505	670	4
						▲ 0 258 005 092	0 258 986 505	610	4
W204	03.07 - 04.09	M 272.947 <KE 30>	6	3.0		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4

C320									
W203	05.00 - 05.05	M 112.946 <DE LA>	6	3.2		▲ 0 258 006 183	0 258 986 615	350	4
					Left side	● 0 258 006 359	0 258 986 615	640	4
					Right side	● 0 258 006 167	0 258 986 615	450	4
W204	06.07 - 04.09	OM 642.960 <D 30>	6	3.0		▲ 0 258 017 014		350	5

C320 Sportcoupe									
W203	09.02 - 05.05	M 112.946 <E 32>	6	3.2		▲ 0 258 006 183	0 258 986 615	350	4
					Left side	● 0 258 006 359	0 258 986 615	640	4
					Right side	● 0 258 006 167	0 258 986 615	450	4

C350									
W203	06.05 - 02.07	M 272.960 <E 35>	6	3.5	Left side	● 0 258 006 359	0 258 986 615	640	4
						▲ 0 258 006 471	0 258 986 615	760	4
					Right side	● 0 258 006 359	0 258 986 615	640	4
						▲ 0 258 006 183	0 258 986 615	350	4

C350 CDI									
W204	10.09 - 01.11	OM 642.830 <D 30 LHD>	6	3.0	Euro 5 emissions	● 0 258 017 016		560	5
					Not Euro 5 emissions	● 0 258 017 014		350	5

E 500 T-Modell									
W211	09.03 - 03.06	M 113.967 <E 50>	8	5.0		● 0 258 006 272	0 258 986 615	420	4
						▲ 0 258 006 328	0 258 986 615	450	4

E36 AMG									
W124	03.94 - 06.98	M 104.992	6	3.6		● 0 258 003 314	0 258 986 503	780	4

E55 AMG									
W210	09.97 - 03.03	M 113.980 <E55>	8	5.5	Euro 3 emissions, D4 emissions	● 0 258 003 642	0 258 986 505	480	4
					RHD veh. Right side	● 0 258 003 640	0 258 986 505	770	4
					09.97 - 06.00	▲ 0 258 003 782	0 258 986 505	347	4
					Euro 2 emissions	● 0 258 003 862	0 258 986 505	640	4
					RHD veh. left side	● 0 258 003 798	0 258 986 505	580	4
					07.00 - 03.03	▲ 0 258 006 276	0 258 986 615	340	4
					Euro 2 emissions	● 0 258 006 274	0 258 986 615	480	4
					RHD veh. left side	● 0 258 006 353	0 258 986 615	580	4
W211	10.02 - 05.06	M 113.990 <E 55 ML AMG>	8	5.4		● 0 258 006 272	0 258 986 615	420	4
						▲ 0 258 006 328	0 258 986 615	450	4

E63 AMG									
W211	06.06 - 01.09	M 156.983 <E 63 AMG>	8	6.2		● 0 258 017 016		560	5
						▲ 0 258 006 747	0 258 986 602	490	4
W212	04.09 - 04.11	M 156.985 <M 156 E63>	8	6.2		● 0 258 017 016		560	5
						▲ 0 258 006 747	0 258 986 602	490	4

E63 AMG T-Model									
W211	06.06 - 08.09	M 156.983 <E 63 AMG>	8	6.2		● 0 258 017 016		560	5
						▲ 0 258 006 747	0 258 986 602	490	4

**E200 Kompressor**

W210	09.00 - 03.02	M 111.957 <E20 EVO ML>	4	2.0		● 0 258 006 348	0 258 986 615	900	4
						▲ 0 258 006 167	0 258 986 615	450	4
W211	03.02 - 03.06	M 271.941 <KE 18 ML>	4	1.8		● 0 258 007 161		850	5
						▲ 0 258 006 456	0 258 986 602	700	4
	04.06 - 01.09	M 271.956 <KE 18 ML>	4	1.8		▲ 0 258 006 456	0 258 986 602	700	4
						● 0 258 007 338		850	5
						● 0 258 007 161		850	5

E220

W124	07.93 - 06.95	M 111.960	4	2.2		●	0 258 986 501		
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E220 Cabriolet

W124	07.93 - 06.98	M 111.960	4	2.2		●	0 258 003 320	0 258 986 506	800 4
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E220 CDI

W212	12.08→	OM 651.924 <D 22 LL>	4	2.1	for Start-Stop veh.	● 0 281 004 205		630	5
					non Start-Stop veh.	● 0 258 017 108		630	5

E220 Coupe

W124	07.93 - 06.97	M 111.960	4	2.2		●	0 258 003 320	0 258 986 506	800 4
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E220 T-Model

W124	07.93 - 05.96	M 111.960	4	2.2		●	0 258 003 320	0 258 986 506	800 4
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E230

W210	06.95 - 08.97	M 111.970 <E23>	4	2.3		●	0 258 003 571	0 258 986 506	510 4
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E230 T-Model

W210	05.96 - 08.97	M 111.970 <E23>	4	2.3		●	0 258 003 571	0 258 986 506	510 4
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E240

W210	09.97 - 04.00	M 112.911 <E24>	6	2.4		▲	0 258 003 782	0 258 986 505	347	4
					Euro 2 emissions	●	0 258 003 862	0 258 986 505	640	4
					Euro 3 emissions, D4 emissions	●	0 258 003 642	0 258 986 505	480	4
					RHD veh. left side	●	0 258 003 798	0 258 986 505	580	4
					RHD veh. Right side	●	0 258 003 640	0 258 986 505	770	4
W211	03.02 - 03.05	M 112.913 <E 26>	6	2.6		●	0 258 006 272	0 258 986 615	420	4
						▲	0 258 006 328	0 258 986 615	450	4

E240 T-Model

W210	09.97 - 06.99	M 112.911 <E24>	6	2.4		▲	0 258 003 782	0 258 986 505	347	4
					Euro 2 emissions	●	0 258 003 862	0 258 986 505	640	4
					Euro 3 emissions, D4 emissions	●	0 258 003 642	0 258 986 505	480	4
					RHD veh. left side	●	0 258 003 798	0 258 986 505	580	4
					RHD veh. Right side	●	0 258 003 640	0 258 986 505	770	4
	06.99 - 01.03	M 112.914 <E26>	6	2.6		●	0 258 006 353	0 258 986 615	580	4
				06.99 - 06.00	▲	0 258 003 782	0 258 986 505	347	4	
				07.00 - 01.03	▲	0 258 006 276	0 258 986 615	340	4	
W211	02.03 - 03.05	M 112.913 <E 26>	6	2.6		●	0 258 006 272	0 258 986 615	420	4
						▲	0 258 006 328	0 258 986 615	450	4

E250 CDI

W212	12.08→	OM 651.924 <D 22 LL>	4	2.1	for Start-Stop veh.	● 0 281 004 205		630	5
					non Start-Stop veh.	● 0 258 017 108		630	5
W211	04.09→	M 271.860 <DE 18>	4	1.8		●	0 258 017 203		





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E250 CDI Coupe												
W207	02.09→	OM 651.911 <D 22 G>	4	2.1	for Start-Stop veh.	● 0 281 004 205		630	5			
					non Start-Stop veh.	● 0 258 017 108		630	5			
E250 CGI Cabriolet												
W207	01.10→	M 271.860 <DE 18 EVO>	4	1.8		● 0 258 017 203						
E250 Coupe												
W207	02.09→	M 271.860 <DE 35>	4	1.8		● 0 258 017 203						
E280												
W124	07.93 - 06.95	M 104.942	6	2.8		● 0 258 003 925	0 258 986 502	780	3			
W210	06.95 - 01.03	M 112.921 <E28>	6	2.8	Euro 3 emissions, D4 emissions	● 0 258 003 642	0 258 986 505	480	4			
					RHD veh. Right side	● 0 258 003 640	0 258 986 505	770	4			
						▲ 0 258 003 782	0 258 986 505	347	4			
					Euro 2 emissions	● 0 258 003 862	0 258 986 505	640	4			
	07.00 - 01.03				RHD veh. left side	● 0 258 003 798	0 258 986 505	580	4			
						▲ 0 258 006 276	0 258 986 615	340	4			
					Euro 2 emissions	● 0 258 006 274	0 258 986 615	480	4			
					RHD veh. left side	● 0 258 006 353	0 258 986 615	580	4			
W211	04.05 - 03.09	M 272.943 <E 30>	6	3.0		● 0 258 017 016		560	5			
						▲ 0 258 006 749	0 258 986 602	330	4			
		OM 642.920 <D 30>	6	3.0		● 0 258 017 016		560	5			
E280 T-Model												
W124	07.93 - 05.96	M 104.942	6	2.8		● 0 258 003 314	0 258 986 503	780	4			
W211	04.05 - 08.09	M 272.943 <E 30>	6	3.0		● 0 258 017 016		560	5			
						▲ 0 258 006 749	0 258 986 602	330	4			
						● 0 258 017 016		560	5			
E320												
W210	06.95 - 02.97	M 104.995	6	3.2		● 0 258 003 597	0 258 986 503	560	4			
	03.97 - 05.99	M 112.941 <E32>	6	3.2	Euro 2 emissions	● 0 258 003 862	0 258 986 505	640	4			
					Euro 3 emissions, D4 emissions	● 0 258 003 642	0 258 986 505	480	4			
					RHD veh. left side	● 0 258 003 798	0 258 986 505	580	4			
					RHD veh. Right side	● 0 258 003 640	0 258 986 505	770	4			
W211	03.02 - 03.05	M 112.949 <E 32>	6	3.2		● 0 258 006 272	0 258 986 615	420	4			
						▲ 0 258 006 328	0 258 986 615	450	4			
E320 Cabriolet												
W124	05.93 - 06.98	M 104.992	6	3.2		● 0 258 003 314	0 258 986 503	780	4			
E320 Coupe												
W124	07.93 - 06.98	M 104.992	6	3.2		● 0 258 003 314	0 258 986 503	780	4			
E320 T-Model												
W211	02.03 - 03.05	M 112.949 <E 32>	6	3.2		● 0 258 006 272	0 258 986 615	420	4			
						▲ 0 258 006 328	0 258 986 615	450	4			
E350												
W211	02.05 - 03.09	M 272.964 <E 35>	6	3.5		● 0 258 017 016		560	5			
						▲ 0 258 006 749	0 258 986 602	330	4			
W212	04.09 - 07.11	M 272.980 <M272 E35>	6	3.5		● 0 258 017 016		560	5			
						▲ 0 258 006 749	0 258 986 602	330	4			
E350 Cabriolet												
W207	01.10→	M 272.988 <E 35>	6	3.5		● 0 258 017 016		560	5			
						▲ 0 258 006 749	0 258 986 602	330	4			

											
E350 CDI											
W212	08.08 - 11.10	OM 642.850 <D 30 LL>	6	3.0			●	0 258 017 016		560	5
E350 Coupe											
W207	05.09→	M 272.988 <E 35>	6	3.5			●	0 258 017 016		560	5
							▲	0 258 006 749	0 258 986 602	330	4
E350 T-Model											
W211	02.05 - 08.09	M 272.964 <E 35>	6	3.5			●	0 258 017 016		560	5
							▲	0 258 006 749	0 258 986 602	330	4
W212	08.09 - 07.11	M 272.980 <M272 E35>	6	3.5			●	0 258 017 016		560	5
							▲	0 258 006 749	0 258 986 602	330	4
E430											
W210	09.97 - 05.99	M 113.940 <E43>	8	4.3			▲	0 258 003 782	0 258 986 505	347	4
							●	0 258 003 862	0 258 986 505	640	4
							●	0 258 003 642	0 258 986 505	480	4
							●	0 258 003 798	0 258 986 505	580	4
							●	0 258 003 640	0 258 986 505	770	4
	07.99 - 03.02	M 113.940 <E43>	8	4.3			●	0 258 003 642	0 258 986 505	480	4
							●	0 258 003 640	0 258 986 505	770	4
							▲	0 258 003 782	0 258 986 505	347	4
							●	0 258 003 862	0 258 986 505	640	4
							●	0 258 003 798	0 258 986 505	580	4
							▲	0 258 006 276	0 258 986 615	340	4
							●	0 258 006 274	0 258 986 615	480	4
							●	0 258 006 353	0 258 986 615	580	4
E500											
W211	03.02 - 03.06	M 113.967 <E 50>	8	5.0			●	0 258 006 272	0 258 986 615	420	4
							▲	0 258 006 328	0 258 986 615	450	4
	04.06 - 03.09	M 273.960 <E 55>	8	5.5			●	0 258 017 016		560	5
W212	04.09 - 08.11	M 273.971 <E 55>	8	5.5			●	0 258 017 016		560	5
							▲	0 258 006 749	0 258 986 602	330	4
E500 Cabriolet											
W207	01.10 - 01.11	M 273.966 <E 55>	8	5.5			●	0 258 017 016		560	5
							▲	0 258 006 749	0 258 986 602	330	4
E500 Coupe											
W207	02.09 - 01.11	M 273.966 <E 55>	8	5.5			●	0 258 017 016		560	5
							▲	0 258 006 749	0 258 986 602	330	4
E500 T-Model											
W211	04.06 - 08.09	M 273.960 <E 55>	8	5.5			●	0 258 017 016		560	5
GL350 CDI											
W204	04.09 - 03.12	OM 642.832 <D 30 LHD REPO>	6	3.0			●	0 258 017 016		560	5
GL500											
W164	02.06→	M 273.963 <E 55>	8	5.5			●	0 258 017 016		560	5
							▲	0 258 006 747	0 258 986 602	490	4
							▲	0 258 006 749	0 258 986 602	330	4
G320											
W463	12.97 - 08.06	M 112.945 <E 32>	6	3.2			●	0 258 003 798	0 258 986 505	580	4





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ML55 AMG												
W163	03.00 - 06.05	M 113.981 <E 55>	8	5.4				● 0 258 003 782	0 258 986 505	347	4	
								▲ 0 258 005 202	0 258 986 505	250	4	
ML63 AMG												
W164	02.06 - 11.10	M 156.980 <E 63>	8	6.2				● 0 258 017 016		560	5	
								▲ 0 258 006 747	0 258 986 602	490	4	
ML280												
W164	07.05 - 04.09	OM 642.940 <D 30>	6	3.0		Fitted in catalytic converter	● 0 258 017 014			350	5	
ML320												
W163	03.98 - 09.02	M 112.942 <E 32>	6	3.2	03.98 - 09.00			● 0 258 003 782	0 258 986 505	347	4	
								▲ 0 258 005 202	0 258 986 505	250	4	
					10.00 - 09.02			● 0 258 006 276	0 258 986 615	340	4	
								▲ 0 258 006 123	0 258 986 615	260	4	
W164	03.05 - 04.09	OM 642.940 <D 30>	6	3.0			● 0 258 017 016			560	5	
ML350												
W163	08.02 - 01.03	M 112.970 <E 37>	6	3.7				● 0 258 006 276	0 258 986 615	340	4	
								▲ 0 258 006 123	0 258 986 615	260	4	
W164	09.05 - 06.11	M 272.967 <E 35>	6	3.5				● 0 258 017 016		560	5	
								Left side	▲ 0 258 006 747	0 258 986 602	490	4
								Right side	▲ 0 258 006 749	0 258 986 602	330	4
ML430												
W163	09.98 - 07.02	M 113.942 <E 43>	8	4.3	09.98 - 09.00			● 0 258 003 782	0 258 986 505	347	4	
								▲ 0 258 005 202	0 258 986 505	250	4	
					10.00 - 07.02			● 0 258 006 276	0 258 986 615	340	4	
								▲ 0 258 006 123	0 258 986 615	260	4	
ML500												
W163	09.01 - 06.05	M 113.965 <E 50>	8	5.0				● 0 258 006 276	0 258 986 615	340	4	
								▲ 0 258 006 123	0 258 986 615	260	4	
W164	09.05 - 08.07	M 113.964 <E 50>	8	5.0	Left side			● 0 258 006 318	0 258 986 615	830	4	
								▲ 0 258 006 328	0 258 986 615	450	4	
					Right side			● 0 258 006 268	0 258 986 615	600	4	
								▲ 0 258 006 183	0 258 986 615	350	4	
	09.07 - 07.11	M 273.963 <E 55>	8	5.5				● 0 258 017 016		560	5	
								▲ 0 258 006 747	0 258 986 602	490	4	
					Left side	▲ 0 258 006 747	0 258 986 602	490	4			
					Right side	▲ 0 258 006 749	0 258 986 602	330	4			
R 500 4MATIC												
W251	02.06 - 04.07	M 113.971 <E 50>	8	5.0	Left side			● 0 258 006 318	0 258 986 615	830	4	
								▲ 0 258 006 328	0 258 986 615	450	4	
					Right side			● 0 258 006 268	0 258 986 615	600	4	
								▲ 0 258 006 183	0 258 986 615	350	4	
R280												
W251	04.06 - 04.09	OM 642.950 <D 30>	6	3.0				● 0 258 017 016		560	5	
R350												
W251	05.07 - 05.10	M 272.967 <E 35>	6	3.5				● 0 258 017 016		560	5	
								Left side	▲ 0 258 006 747	0 258 986 602	490	4
								Right side	▲ 0 258 006 749	0 258 986 602	330	4
R500												
W251	05.07→	M 273.963 <E 55>	8	5.0				● 0 258 017 016		560	5	
								Left side	▲ 0 258 006 747	0 258 986 602	490	4
								Right side	▲ 0 258 006 749	0 258 986 602	330	4

**SLK32 AMG**

W170	06.99 - 03.04	M 112.960 <E32 ML>	6	3.2	Auto Trans.	▲ 0 258 006 276	0 258 986 615	340	4
					Left side	● 0 258 006 125	0 258 986 615	400	4
					Manual Trans.	▲ 0 258 006 123	0 258 986 615	260	4
					Right side	● 0 258 006 181	0 258 986 615	500	4

SLK55 AMG

W171	04.04 - 11.10	M 113.989 <E 55>	8	5.4		▲ 0 258 006 420	0 258 986 615	520	4
					Left side	● 0 258 006 318	0 258 986 615	830	4
					Right side	● 0 258 006 268	0 258 986 615	600	4

SLK200

W170	09.96 - 01.00	M 111.946 <E20>							
		Eng. no. →..006646	4	2.0	Auto Trans.	● 0 258 003 855	0 258 986 507	300	4
		Eng. no. →..013735	4	2.0	Manual Trans.	● 0 258 003 855	0 258 986 507	300	4
		Eng. no. →..006647→	4	2.0	Auto Trans.	● 0 258 005 163	0 258 986 507	730	4
		Eng. no. →..013736→	4	2.0	Manual Trans.	● 0 258 005 163	0 258 986 507	730	4

SLK200 Kompressor

W170	09.96 - 01.00	M 111.943 <E20 ML>							
		Eng. no. →..006277	4	2.0		● 0 258 003 855	0 258 986 507	300	4
		Eng. no. →..006278→	4	2.0		● 0 258 005 163	0 258 986 507	730	4
	02.00 - 03.04	M 111.958 <E20 EVO ML>	4	2.0		● 0 258 006 276	0 258 986 615	340	4
						▲ 0 258 006 125	0 258 986 615	400	4
W171	04.04 - 11.07	M 271.944 <KE 18 ML>	4	1.8		▲ 0 258 006 475	0 258 986 602	660	4
		Chass.no F 028442→	4	1.8		● 0 258 007 290		1070	5
		Chass.no →F 028441	4	1.8		● 0 258 007 149		1000	5
	12.07 - 11.10	M 271.954 <KE 18 ML>	4	1.8		● 0 258 007 290		1070	5
						▲ 0 258 006 475	0 258 986 602	660	4

SLK230 Kompressor

W170	09.96 - 01.00	M 111.973 <E23 ML>							
		Eng. no. →..013520	4	2.3	Manual Trans.	● 0 258 003 855	0 258 986 507	300	4
		Eng. no. →..041031	4	2.3	Auto Trans.	● 0 258 003 855	0 258 986 507	300	4
		Eng. no. →..013521→	4	2.3	Manual Trans.	● 0 258 005 163	0 258 986 507	730	4
		Eng. no. →..041032→	4	2.3	Auto Trans.	● 0 258 005 163	0 258 986 507	730	4
	02.00 - 03.04	M 111.983 <E23 EVO ML>	4	2.3		● 0 258 006 276	0 258 986 615	340	4
						▲ 0 258 006 125	0 258 986 615	400	4

SLK280

W171	05.05 - 02.09	M 272.942 <E 30>	6	3.0		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4

SLK300

W171	03.09 - 11.10	M 272.942 <E 30>	6	3.0		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4

SLK320

W170	06.99 - 03.04	M 112.947 <E32>	6	3.2	Auto Trans.	▲ 0 258 006 276	0 258 986 615	340	4
					Left side	● 0 258 006 125	0 258 986 615	400	4
					Manual Trans.	▲ 0 258 006 123	0 258 986 615	260	4
					Right side	● 0 258 006 181	0 258 986 615	500	4

SLK350

W171	04.04 - 11.07	M 272.963 <E 35>	6	3.5		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4
	12.07 - 02.11	M 272.969 <E 35>	6	3.5		● 0 258 017 016		560	5
						▲ 0 258 006 749	0 258 986 602	330	4





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SL55 AMG										
W230	10.01 - 02.06	M 113.992 <E 55>	8	5.4		●	0 258 006 167	0 258 986 615	450	4
						▲	0 258 006 328	0 258 986 615	450	4
	01.06 - 03.08	M 113.995 <E 55>	8	5.4		●	0 258 006 167	0 258 986 615	450	4
						▲	0 258 006 328	0 258 986 615	450	4
SL63 AMG										
W230	01.08 - 12.11	M 156.981 <E 63>	8	6.2		●	0 258 017 016		560	5
						▲	0 258 006 749	0 258 986 602	330	4
SL65 AMG										
W230	09.04 - 12.11	M 275.98... <E 60>	12	6.0		●	0 258 006 473	0 258 986 602	400	4
						▲	0 258 006 473	0 258 986 602	400	4
SL280										
W129	07.93 - 05.98	M 104.943								
		Chass.no F 125158→	6	2.8		●	0 258 003 792	0 258 986 503	200	4
		F 127941								
		Chass.no F 127942→	6	2.8		●	0 258 003 786	0 258 986 503	290	4
		F 140421								
	Chass.no F 140422→	6	2.8		●	0 258 003 864	0 258 986 505	290	4	
	Chass.no →F 125157	6	2.8		●	0 258 003 429	0 258 986 503	350	4	
06.98 - 08.01	M 112.923	6	2.8		D4 emissions	●	0 258 003 862	0 258 986 505	640	4
SL320										
W129	06.98 - 08.01	M 112.943	6	3.2		▲	0 258 003 862	0 258 986 505	640	4
					Left side	●	0 258 003 640	0 258 986 505	770	4
					Right side	●	0 258 003 642	0 258 986 505	480	4
SL350										
W230	03.03 - 12.05	M 112.973 <E 37>	6	3.7		●	0 258 006 274	0 258 986 615	480	4
						▲	0 258 006 420	0 258 986 615	520	4
	01.06 - 12.07	M 272.966 <E 35>	6	3.5		●	0 258 017 016		560	5
						▲	0 258 006 749	0 258 986 602	330	4
	01.08 - 12.11	M 272.968 <E 35>	6	3.5		●	0 258 017 016		560	5
						▲	0 258 006 749	0 258 986 602	330	4
SL500										
W129	09.93 - 08.95	M 119.972	8	5.0		●	0 258 003 326	0 258 986 503	630	4
	06.98 - 08.01	M 113.961	8	5.0		▲	0 258 003 862	0 258 986 505	640	4
						06.98 - 08.99	●	0 258 003 782	0 258 986 505	347
W230	10.01 - 12.05	M 113.963 <E 50>	8	5.0		●	0 258 006 167	0 258 986 615	450	4
						▲	0 258 006 328	0 258 986 615	450	4
	01.06 - 11.12	M 273.965 <E 55>	8	5.5		●	0 258 017 016		560	5
						▲	0 258 006 749	0 258 986 602	330	4
SL600										
W129	07.93 - 09.95	M 120.981	12	6.0		●	0 258 003 429	0 258 986 503	350	4
	06.98 - 08.01	M 120.983	12	6.0		●	0 258 003 782	0 258 986 505	347	4
W230	03.03 - 12.05	M 275.951 <E 55>	12	5.5		●	0 258 006 473	0 258 986 602	400	4
						▲	0 258 006 473	0 258 986 602	400	4
	01.06 - 11.12	M 275.954 <E 55>	12	5.5		●	0 258 006 473	0 258 986 602	400	4
						▲	0 258 006 473	0 258 986 602	400	4
Sprinter										
WNCV3	04.06 - 03.09	OM 646... <Euro 4>	4	2.1		●	0 258 017 016		560	5
		OM 646.984 DE 22 LA	4	2.1		●	0 258 017 016		560	5
		<Euro 4>								
	04.06 - 12.09	OM 646.985 DE 22 LA	4	2.1		●	0 258 017 016		560	5
	04.06→	OM 646... <Euro 4>	4	2.1		●	0 258 017 016		560	5

**Sprinter CDI**

WNCV3	04.06 - 03.09	OM 646... <Euro 4>	4	2.1	● 0 258 017 016	560	5
		OM 642... <Euro 4>	6	3.0	● 0 258 017 016	560	5
	04.06 - 12.09	OM 646.9... <Euro 4>	4	2.1	● 0 258 017 016	560	5

S55 AMG

W220	09.02 - 08.06	113.991 <E55 AMG>	8	5.4	● 0 258 006 274	0 258 986 615	480	4
					▲ 0 258 006 276	0 258 986 615	340	4

S63 AMG

W221	12.06 - 07.10	M 156.984 <E 63>	8	6.2	● 0 258 017 016	560	5
					▲ 0 258 006 747	0 258 986 602	490

S65 AMG

W220	02.04 - 08.06	M 275.980 <E60>	12	6.0	● 0 258 006 473	0 258 986 602	400	4
					▲ 0 258 006 438	0 258 986 602	450	4
W221	07.06 - 02.11	M 275.982 <E 60>	12	6.0	● 0 258 006 473	0 258 986 602	400	4
					▲ 0 258 006 473	0 258 986 602	400	4

S280

W140	06.93 - 09.98	M 104.944						
		Chass.no A328811→	6	2.8	● 0 258 003 864	0 258 986 505	290	4
		Chass.no →A328810	6	2.8	● 0 258 003 786	0 258 986 503	290	4

S320

W220	10.98 - 08.02	M 112.944 <E32>							
		Chass.no A 138351→	6	3.2		● 0 258 006 274	0 258 986 615	480	4
					Not for D4 emissions	▲ 0 258 006 276	0 258 986 615	340	4
		Chass.no →A 138350	6	3.2	D4 emissions	▲ 0 258 003 782	0 258 986 505	347	4
		Chass.no →A138350	6	3.2		● 0 258 003 642	0 258 986 505	480	4
W221	12.05 - 04.09	OM 642.930 <D 30>	6	3.0		● 0 258 017 016		560	5

S350

W220	09.02 - 08.06	M 112.972 <E37>	6	3.7	● 0 258 006 274	0 258 986 615	480	4
					▲ 0 258 006 276	0 258 986 615	340	4
W221	09.05 - 01.11	M 272.965 <E 35>	6	3.5	● 0 258 017 016		560	5
					▲ 0 258 006 747	0 258 986 602	490	4

S420

W140	06.93 - 09.98	M 119.971;981						
		Chass.no A100181→	8	4.2	● 0 258 003 326	0 258 986 503	630	4
		Chass.no →A100180	8	4.2	● 0 258 003 429	0 258 986 503	350	4

S430

W220	10.98 - 09.05	M 113.941 <E43>								
		Chass.no A 138351→	8	4.3		●	0 258 006 274	0 258 986 615	480	4
					Not for D4 emissions	▲	0 258 006 276	0 258 986 615	340	4
		Chass.no →A 138350	8	4.3	D4 emissions	▲	0 258 003 782	0 258 986 505	347	4
		Chass.no →A138350	8	4.3		●	0 258 003 642	0 258 986 505	480	4
	10.98 - 01.06	M 113.941 <E43>								
		Chass.no A 138351→	8	4.3		●	0 258 006 274	0 258 986 615	480	4
					Not for D4 emissions	▲	0 258 006 276	0 258 986 615	340	4
		Chass.no →A 138350	8	4.3	D4 emissions	▲	0 258 003 782	0 258 986 505	347	4
		Chass.no →A138350	8	4.3		●	0 258 003 642	0 258 986 505	480	4

S500

W140	06.93 - 09.98	M 119.970;980						
		Chass.no A100181→	8	5.0	● 0 258 003 326	0 258 986 503	630	4
		Chass.no →A100180	8	5.0	● 0 258 003 429	0 258 986 503	350	4



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S600VianoVitoVito CDI180E190EBosch Automotive Aftermarket

		Type	Cyl.	l/ccm	Product	?	C/D		UNI	mm	5 max.
W201											
	09.86 - 09.93	M 102.962									
		Eng. no. →...122335	4	2.0	Auto Trans.	●	0 258 003 134	0 258 986 502	350	3	
		Eng. no. →...236838	4	2.0	Manual Trans.	●	0 258 003 134	0 258 986 502	350	3	
		Eng. no. →...122336→	4	2.0	Auto Trans.	●	0 258 003 156	0 258 986 502	533	3	
		Eng. no. →...236839→	4	2.0	Manual Trans.	●	0 258 003 156	0 258 986 502	533	3	
	09.89 - 08.92	M 102.985									
		Eng. no. →...033729	4	2.3	Manual Trans.	●	0 258 003 134	0 258 986 502	350	3	
		Eng. no. →...080064	4	2.3	Auto Trans.	●	0 258 003 134	0 258 986 502	350	3	
		Eng. no. →...033730→	4	2.3	Manual Trans.	●	0 258 003 156	0 258 986 502	533	3	
		Eng. no. →...080065→	4	2.3	Auto Trans.	●	0 258 003 156	0 258 986 502	533	3	
	03.90 - 08.93	M 102.910									
		Chass.no A 582958→	4	1.8		●	0 258 003 156	0 258 986 502	533	3	
		Chass.no →A 528957	4	1.8		●	0 258 003 134	0 258 986 502	350	3	
220E											
W124	09.92 - 06.93	M 111.960	4	2.2		●	0 258 003 320	0 258 986 506	800	4	
230E											
W123	04.80 - 12.85	M 102.980	4	2.3	w/catalytic converter	●		0 258 986 501			
W124	12.84 - 06.93	M 102.982	4	2.3		●	0 258 003 130	0 258 986 502	780	3	
					Ascertain in vehicle	●	0 258 003 156	0 258 986 502	533	3	
230TE											
W123	04.80 - 12.85	M 102.980	4	2.3	w/catalytic converter	●		0 258 986 501			
W124	09.85 - 08.93	M 102.982	4	2.3		●	0 258 003 156	0 258 986 502	533	3	
260E											
W124	09.85 - 10.92	M 103.940	6	2.6		●	0 258 003 130	0 258 986 502	780	3	
300CE											
W124	03.87 - 06.93	M 103.983	6	3.0		●	0 258 003 130	0 258 986 502	780	3	
	09.89 - 12.92	M 104.980	6	3.0		●	0 258 003 146	0 258 986 504	780	3	
300E											
W124	01.85 - 08.93	M 103.980;983	6	3.0		●	0 258 003 130	0 258 986 502	780	3	
							0 258 003 925	0 258 986 502	780	3	
	09.92 - 06.93	M 104.942	6	2.8		●	0 258 003 925	0 258 986 502	780	3	
300SE											
W126	09.85 - 06.91	M 103.981	6	3.0		●	0 258 003 130	0 258 986 502	780	3	
W140	03.91 - 05.93	M 104.99...									
		Chass.no A328811→	6	3.2		●	0 258 003 864	0 258 986 505	290	4	
		Chass.no →A328810	6	3.2		●	0 258 003 786	0 258 986 503	290	4	
300TE											
W124	01.86 - 08.92	M 103.983	6	3.0		●	0 258 003 925	0 258 986 502	780	3	
320CE											
W124	09.92 - 06.93	M 104.992	6	3.2		●	0 258 003 314	0 258 986 503	780	4	
320E											
W124	09.92 - 06.93	M 104.992	6	3.2		●	0 258 003 314	0 258 986 503	780	4	
400SE											
W140	02.91 - 05.93	M 119.971;981									
		Chass.no A100181→	8	4.2		●	0 258 003 326	0 258 986 503	630	4	
		Chass.no →A100180	8	4.2		●	0 258 003 429	0 258 986 503	350	4	
420SEL											
W126	09.85 - 06.91	M 116.965	8	4.2		●	0 258 003 926	0 258 986 502	990	3	





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500SE

W140	02.91 - 05.93	M 119.970;980							
		Chass.no A100181→	8	5.0		●	0 258 003 326	0 258 986 503	630 4
		Chass.no A290167→	8	5.0	Left side	●	0 258 003 798	0 258 986 505	580 4
					Right side	●	0 258 003 642	0 258 986 505	480 4
		Chass.no →A100180	8	5.0		●	0 258 003 429	0 258 986 503	350 4

500SEC

W140	10.92 - 05.93	M 119.970;980							
		Chass.no A100181→	8	5.0		●	0 258 003 326	0 258 986 503	630 4
		Chass.no →A100180	8	5.0		●	0 258 003 429	0 258 986 503	350 4

500SL

W129	09.89 - 08.92	M 119.960	8	5.0		●	0 258 003 160	0 258 986 502	446 3
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560SEC

W126	10.85 - 06.91	M 117.968	8	5.6		●	0 258 003 926	0 258 986 502	990 3
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560SEL

W126	10.85 - 06.91	M 117.968 <KAT>	8	5.6		●	0 258 003 926	0 258 986 502	990 3
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560SL

W107	09.85 - 08.89	M 117.967	8	5.6		●	0 258 003 930	0 258 986 502	700 3
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600SL

W129	07.92 - 06.93	M 120.981;983	12	6.0		●	0 258 003 429	0 258 986 503	350 4
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MG

MGF

10.95 - 03.02	18 K4F <K-Serie>								
		Chass.no YD 522573→	4	1.8		●	0 258 006 127	0 258 986 615	568 4
		Chass.no →YD 522572	4	1.8		●	0 258 003 229	0 258 986 506	623 4
		18 K4K <MPI VVC K-Serie>							
		Chass.no YD 522573→	4	1.8		●	0 258 006 127	0 258 986 615	568 4
		Chass.no →YD 522572	4	1.8		●	0 258 003 229	0 258 986 506	623 4

MGTF

03.02 - 05.05	18 K4F K-Serie <DOHC>		4	1.8		▲	0 258 006 127	0 258 986 615	568 4
		Chass.no YD 522573→	4	1.8		●	0 258 006 127	0 258 986 615	568 4
		Chass.no →YD 522572	4	1.8		●	0 258 003 229	0 258 986 506	623 4
		18 K4F K-Serie- VVC-	4	1.8		▲	0 258 006 127	0 258 986 615	568 4
		<DOHC>							
		Chass.no YD 522573→	4	1.8		●	0 258 006 127	0 258 986 615	568 4
		Chass.no →YD 522572	4	1.8		●	0 258 003 229	0 258 986 506	623 4
		03.02→							
		18 K4F K-Serie <DOHC>	4	1.8		▲	0 258 006 127	0 258 986 615	568 4
		Chass.no YD 522573→	4	1.8		●	0 258 006 127	0 258 986 615	568 4
		Chass.no →YD 522572	4	1.8		●	0 258 003 229	0 258 986 506	623 4

ZR

10.01 - 05.05	18 K4K <K-Serie>								
		Chass.no YD 471565→	4	1.8		●	0 258 006 289	0 258 986 615	1138 4
		Chass.no →YD 471564	4	1.8		●	0 258 003 229	0 258 986 506	623 4

ZS

10.01 - 05.05	25 K4F <K-Serie 2.5KV6>	6	2.5			●		0 258 986 507	
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ZT

10.01 - 05.05	25 K4F <K-Serie>	6	2.5			●		0 258 986 507	
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MINI (BMW)

Cooper

R 50	06.01 - 11.07	W10 B16A...	4	1.6	●	0 258 986 507		
R 56	11.06 - 08.10	N12 B16...	4	1.6	●	0 258 017 217	320	5
	03.10→	N16 B16A	4	1.6	●	0 258 027 005	320	5

Cooper Cabrio

R 52	07.04 - 07.08	W10 B16A...	4	1.6	●	0 258 986 507		
R 57	03.09 - 06.10	N12 B16...	4	1.6	●	0 258 017 217	320	5
	03.10→	N16 B16A	4	1.6	●	0 258 027 005	320	5

Cooper Clubman

R 55	11.07 - 07.10	N12 B16...	4	1.6	●	0 258 017 217	320	5
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Cooper D

R 56	08.10→	N47 C16A	4	1.6	●	0 281 004 079	420	5
	03.11→	N47 C20A	4	2.0	●	0 281 004 079	420	5

Cooper S

R 53	03.02 - 11.06	W11 B16A	4	1.6	●	0 258 986 507		
R 56	11.06 - 07.10	N14 B16A..	4	1.6	●	0 258 017 112	710	5

Cooper S Cabrio

R 52	08.04 - 07.08	W11 B16A	4	1.6	●	0 258 986 507		
R 57	03.09 - 07.10	N14 B16A..	4	1.6	●	0 258 017 112	710	5
	03.10→	N18 B16A	4	1.6	●	0 258 017 187	500	5

Cooper S Coupe

R 58	09.11→	N18 B16A	4	1.6	●	0 258 017 187	500	5
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Cooper S Roadster

R 59	02.12→	N18 B16A	4	1.6	●	0 258 017 187	500	5
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John Cooper Works

R 53	08.04 - 11.06	W11 B16A	4	1.6	●	0 258 986 507		
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John Cooper Works Cabrio

R 52	08.04 - 07.08	W11 B16A	4	1.6	●	0 258 986 507		
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John Cooper Works Clubman

R 55	07.08→	N14 B16C	4	1.6	●	0 258 017 112	710	5
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John Cooper Works Coupe

R 58	09.11→	N14 B16C	4	1.6	●	0 258 017 112	710	5
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John Cooper Works Roadster

R 59	02.12→	N14 B16C	4	1.6	●	0 258 017 112	710	5
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MITSUBISHI

Challenger

PA	02.98→	6G72	6	3.0	2 required	●	0 258 986 507		
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Colt

CZ	04.04 - 06.10	4A91	4	1.5		●	0 258 006 566	0 258 986 602	478 4
						▲	0 258 006 568	0 258 986 602	348 4





◀ MITSUBISHI

CJ	10.04 - 05.06	4G15 (DOHC)	4	1.5	●	0 258 006 718	0 258 986 602	658	4
	10.04→	4A91	4	1.5	●	0 258 006 732	0 258 986 602	448	4
					▲	0 258 006 769	0 258 986 602	743	4
CZ	01.05→	4G15	4	1.5	●	0 258 006 718	0 258 986 602	658	4
					▲	0 258 006 566	0 258 986 602	478	4

Cordia Turbo

AC	01.86 - 12.89	4G62	4	1.8	●	0 258 002 053	0 258 986 501	795	1
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Express / Starwagon L300

SF	01.86 - 12.90	4G64	4	2.4	●	0 258 002 053	0 258 986 501	795	1
SF, SG	01.86 - 12.91	4G64	4	2.4	●	0 258 002 053	0 258 986 501	795	1
SG	01.90 - 12.91	4G64	4	2.4	●	0 258 002 053	0 258 986 501	795	1

Galant

HG	01.89 - 12.90	4G63 SOHC	4	2.0	●	0 258 002 053	0 258 986 501	795	1
HG/HH	01.89 - 12.93	4G63 DOHC	4	2.0	●	F 00H L00 050	0 258 986 507	790	4
HH	01.90 - 12.93	4G63 SOHC	4	2.0	●	0 258 002 053	0 258 986 501	795	1
HJ	11.92 - 05.96	4G63 Kat.; 4G63 SOHC Kat.	4	2.0	●	0 258 003 383	0 258 986 507	313	4
		6A12 Kat.	6	2.0	●		0 258 986 602		

Grandis

	01.04 - 11.10	4G69	4	2.4		cyls. 3 & 4	●	F 00H L00 168	0 258 986 507	495	4
						cyls. 1 & 2	●		0 258 986 507		

Lancer

C6/C7	04.88 - 05.90	4G61	4	1.6	●	0 258 002 053	0 258 986 501	795	1	
CA	01.89 - 09.90	4G15	4	1.5	●	0 258 002 053	0 258 986 501	795	1	
CB	10.90 - 09.92	4G15 SOHC	4	1.5	●	0 258 002 053	0 258 986 501	795	1	
		4G61 DOHC	4	1.6	●	0 258 002 053	0 258 986 501	795	1	
CA/CB/CD	05.92 - 12.96	4G93 Kat.	4	1.8	●		0 258 986 507			
C6/C7	06.92 - 07.95	4G92 Kat.	4	1.6	●	0 258 002 053	0 258 986 501	795	1	
CA/CB/CD	07.93 - 12.97	4G15 <MPI>	4	1.5	●		F 00H L00 091			
	12.93 - 12.96	4G92 MVV	4	1.6	●		0 258 986 507			
CK/CP/CN	05.96 - 05.01	4G93 Kat.	4	1.8	●		F 00H L00 091			
MG21/41	01.98 - 02.03	4G15	4	1.5	●		F 00H L00 091			
CS/CT	06.02 - 04.10	4G63	4	2.0	06.02 - 08.04	●		0 258 986 602		
					06.02 - 03.06	▲	0 258 986 633	0 258 986 602	450	4
	06.03 - 06.08	4G63	4	2.0	06.03 - 03.06	▲		0 258 986 602		
					06.03 - 03.06	▲	0 258 986 633	0 258 986 602	450	4
	06.03 - 04.10	4G13	4	1.3	●		0 258 986 602			
					▲		0 258 986 602			

Lancer Evo

CS/CT	12.00 - 12.03	4G63	4	2.0	▲		0 258 986 602		
	09.02 - 07.05	4G63	4	2.0	●		0 258 986 507		

Lancer GSR

	10.95 - 05.96	4G93 (DOHC)	4	1.8	●		F 00H L00 091		
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L300

P	11.86 - 10.88	G64B Kat.	4	2.4	●	0 258 002 053	0 258 986 501	795	1
	11.88 - 05.96	4G64 Kat.	4	2.4	●	0 258 002 053	0 258 986 501	795	1

Magna / Verada

TN	04.87 - 05.89	4G54 EFI <Astron II>	4	2.6	●	9 250 060 016	0 258 986 501		1
TP	06.89 - 04.92	4G54 EFI <Astron II>	4	2.6	●	9 250 060 016	0 258 986 501		1
TR	04.91 - 02.94	4G54 EFI	4	2.6	●	0 258 986 501	0 258 986 501	195	1
KR	07.91 - 02.94	6G72	6	3.0		2 required	●	0 258 986 507	
TR	04.93 - 02.94	6G72	6	3.0		2 required	●	0 258 986 507	
KS	03.94 - 09.96	6G72 <E32>	6	3.0		2 required	●	0 258 986 507	



TS	03.94 - 02.97	4G54	4	2.6		●	0 258 986 501	0 258 986 501	195	1
		6G72	6	3.0	2 required	●		0 258 986 507		
TE	04.96 - 05.97	4G64	4	2.4	2 required	●		0 258 986 507		
		6G72	6	3.0	2 required	●		0 258 986 507		
KE	10.96 - 05.97	6G72	6	3.0	2 required	●		0 258 986 507		
		6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KF	06.97 - 03.99	6G72	6	3.0	2 required	●		0 258 986 507		
		6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TF	06.97 - 03.99	4G64	4	2.4	2 required	●		0 258 986 507		
		6G72	6	3.0	2 required	●		0 258 986 507		
KW	01.98 - 03.07	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KH	04.99 - 07.00	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TH	04.99 - 07.00	6G72 <E32>	6	3.0	2 required	●		0 258 986 507		
		6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KJ	08.00 - 07.01	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TJ	08.00 - 06.02	6G74 <E32>	6	3.0	2 required	●		0 258 986 507		
		6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KJ	08.01 - 06.02	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KJ II	07.02 - 05.03	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TJ II	07.02 - 06.03	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KJ II	12.02 - 07.03	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TJ II	12.02 - 01.04	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KL	06.03 - 09.04	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TL	06.03 - 09.04	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KL	08.03 - 09.04	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TL	02.04 - 09.04	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
KW	10.04 - 09.05	6G74 <E35>	6	3.5	2 required	●		0 258 986 507		
TW	10.04 - 09.05	6G74 <E35>; 6G74 <E40>	6	3.5	2 required	●		0 258 986 507		
Mirage										
	01.93→	4G15 <SOHC Kat. >	4	1.5		●		0 258 002 210		
Nimbus										
UF	01.92 - 11.98	4G64 SOHC	4	2.4		●		0 258 002 210		
UG	12.98→	4G64	4	2.4		●		0 258 002 210		
Pajero										
NK/NL	04.96 - 09.99	4G64 (SOHC)	4	2.4		●		F 00HL00 091		
NM-NS	07.00 - 09.06	6G72 (SOHC)	6	3.0		●		0 258 986 507		
Starion										
JD	01.86 - 12.87	4G63T	4	2.0		●	0 258 002 051	0 258 002 031	540	1
	06.86 - 03.90	G54B Kat.	4	2.6		●		0 258 002 031		
380										
DL I	10.05 - 03.06	6G75	6	3.8	Left side,Front	●	0 258 006 735	0 258 986 602	388	4
					Rear,Left side	▲	0 258 006 760	0 258 986 602	558	4
					Rear,Right side	▲	0 258 006 762	0 258 986 602	733	4
					Right side,Front	●	0 258 006 737	0 258 986 602	518	4
DL II	04.06 - 06.07	6G75	6	3.8	Left side,Front	●	0 258 006 735	0 258 986 602	388	4
					Rear,Left side	▲	0 258 006 760	0 258 986 602	558	4
					Rear,Right side	▲	0 258 006 762	0 258 986 602	733	4
					Right side,Front	●	0 258 006 737	0 258 986 602	518	4
DL III	07.07 - 03.08	6G75	6	3.8	Left side,Front	●	0 258 006 735	0 258 986 602	388	4
					Rear,Left side	▲	0 258 006 760	0 258 986 602	558	4
					Rear,Right side	▲	0 258 006 762	0 258 986 602	733	4
					Right side,Front	●	0 258 006 737	0 258 986 602	518	4
3000 GT										
	10.92 - 09.97	6G72	6	3.0	Left side	●		0 258 986 507		
					Right side	●		0 258 986 602		



NISSAN											
Bluebird											
U13	07.93 - 09.97	KA24DE	4	2.4			●	F 00HL00 030	0 258 986 501	241	1
Cefiro											
	12.98 - 08.02	VQ20DE	6	2.0	2 required		●		0 258 986 502		
Dualis											
J10	12.06→	MR20DE	4	2.0			▲	0 258 986 614	0 258 986 617	300	4
Exa											
	03.86 - 06.87	E15ET	4	1.5			●		0 258 986 501		
Fairlady											
	07.89 - 08.00	VG30DETT	6	3.0	07.89 - 03.93	Left side	●		0 258 986 504		
						Right side	●		0 258 986 504		
					04.93 - 08.00	Left side	●		0 258 005 726		
						Right side	●		0 258 005 726		
Gazelle											
S12	10.83 - 02.88	CA20E	4	2.0			●		0 258 986 501		
GT-R											
R35	12.08 - 10.10	VR38DETT	6	3.8			▲	0 258 986 614	0 258 986 617	300	4
Laurel											
	06.97 - 08.02	RB25DE	6	2.5			●		0 258 005 726		
Maxima											
A32	10.94 - 01.00	VQ30DE	6	3.0			●	F 00HL00 044	0 258 005 726	820	3
	02.95 - 09.99	VQ30DE	6	3.0	02.95 - 08.98	2 required	●	F 00HL00 044	0 258 005 726	820	3
					09.96 - 08.97		▲	F 00HL00 016	0 258 005 732	455	4
					09.96 - 08.98		▲		0 258 005 727		
					09.97 - 08.98		▲	F 00HL00 238	0 258 986 506	580	4
CA33	01.00 - 01.06	VQ30DE	6	3.0			▲		0 258 986 506		
						cyls. 1 - 3	●		0 258 005 726		
						cyls. 4 - 6	●	0 258 005 955	0 258 986 502	415	3
A34	02.03 - 05.08	VQ35DE	6	3.5	02.03 - 07.04		●	0 258 007 185		400	5
J31	07.06 - 02.08	VQ35DE	6	3.5			▲		0 258 986 507		
						Front	●		0 258 986 507		
Micra											
K11E	05.95 - 12.97	CG13DE	4	1.3			●	0 258 003 256	0 258 986 502	410	3
K12E	06.05 - 10.10	CR14DE	4	1.4			▲	0 258 006 513	0 258 986 602	315	4
Murano											
Z50	11.04 - 12.08	VQ35DE	6	3.5			●	0 258 007 264		400	5
							▲		0 258 986 507		
Z51	01.09→	VQ35DE	6	3.5			▲	0 258 986 614	0 258 986 617	300	4
Navara											
D21	03.92 - 01.97	VG30E	6	3.0	03.93 - 01.97		●	0 258 003 418	0 258 986 502	1850	3
					09.94 - 08.95		●	F 00HL00 020	0 258 005 726	1850	3
D22	06.00 - 11.05	VG30E	6	3.0			●	F 00HL00 020		1850	3
D40	01.05→	VQ40DE	6	4.0	01.05 - 08.06	A/F sensor, 2 required	●	0 258 007 204		400	5
NX											
B13	08.90 - 09.93	SR20DE	4	2.0			●	F 00HL00 102	0 258 005 726	385	3



Pathfinder										
R50	09.95 - 06.05	VG33E	6	3.3	cyls. 1 - 3	●	0 258 986 502			
					Left side	●	0 258 005 726			
					Right side	●	0 258 005 726			
					09.95 - 02.99	cyls. 4 - 6	●	0 258 986 502		
R51	06.05→	VQ40DE	6	4.0		●	0 258 007 204		400	5
					Left side	▲	0 258 006 513	0 258 986 602	315	4
					Right side	▲	0 258 986 602			
Patrol										
	01.92 - 12.95	TB42E	6	4.2		●	0 986 258 021		560	1
Y60	02.92 - 11.97	TB42E	6	4.2		●	0 258 986 501			
Pintara										
R31	06.86 - 12.90	CA20E	4	2.0		●	0 258 986 501			
U12	08.89 - 10.92	CA20E	4	2.0		●	0 258 986 501			
		KA24E	4	2.4		●	0 258 986 501			
Pulsar										
N12	04.84 - 07.87	E15T	4	1.5		●	0 258 986 501			
N14	08.91 - 05.95	GA16DE	4	1.6		●	0 986 258 022	0 258 986 501	280	1
		SR20DE	4	2.0	12.92 - 03.93	●	0 258 005 726			
N15	08.95 - 06.00	GA16DE	4	1.6	Auto Trans.	●	0 258 005 726			
					Manual Trans.	●	F 00H L00 030	0 258 986 501	241	1
		SR20DE	4	2.0		●	F 00H L00 102	0 258 005 726	385	3
N16	07.00 - 02.03	QG16DE <DOHC-16V-EFI>	4	1.6		●	F 00H L00 038	0 258 986 502	340	3
Sylvia										
	05.88 - 01.91	CA18DET	4	1.8		●	0 258 986 502			
	01.99 - 08.02	SR20DE	4	2.0		●	0 258 005 726			
Terrano										
	10.89 - 08.95	VG30E	6	3.0	10.89 - 10.93	●	F 00H L00 020	0 258 005 726	1850	3
	09.95 - 08.02	VG33E	6	3.3		●	0 258 005 726			
R20	11.96 - 12.99	KA24E	4	2.4	Manual Trans.	●	0 258 003 897	0 258 986 502	1200	3
Tiida										
	01.05→	MR18DE	4	1.8	12.05→	▲	0 258 986 614	0 258 986 617	300	4
C11	02.07→	MR18DE	4	1.8		▲	0 258 986 614	0 258 986 617	300	4
X-Trail										
T30	09.02 - 03.07	QR25DE	4	2.5		▲	0 258 986 646	0 258 986 602	490	4
T31	04.07→	M9R	4	2.0		●	0 281 004 027		655	5
180SX										
	03.89 - 01.91	CA18DET	4	1.8		●	0 258 986 502			
200SX										
S14	04.94 - 12.99	SR20DET	4	2.0	04.94 - 07.96	●	F 00H L00 006	0 258 005 726	340	3
					08.96 - 12.99	●	F 00H L00 006	0 258 005 726	340	3
300C										
Y30	01.85 - 12.88	VG30E	6	3.0		●	0 986 258 002		285	3
300ZX										
Z31	09.85 - 09.89	VG30ET	6	3.0		●	0 986 258 002		285	3
Z32	01.90 - 11.95	VG30DE	6	3.0		●	F 00H L00 130	0 258 005 726	600	3
	01.90 - 03.96	VG30DETT	6	3.0		●	F 00H L00 130	0 258 005 726	600	3
					09.95 - 03.96 2 required	▲	0 258 005 727			
	01.90 - 08.96	VG30DE <VG30DETT>	6	3.0	09.95 - 08.96 2 required	▲	0 258 005 732			





◀ NISSAN

350Z									
Z33	09.02 - 01.07	VQ35DE	6	3.5		● 0 258 007 240		560	5
					Left side	▲	0 258 986 602		
					Right side	▲	0 258 986 602		

350Z Cabriolet									
Z33	09.03 - 01.07	VQ35DE	6	3.5		● 0 258 007 240		560	5
					Left side	▲	0 258 986 602		
					Right side	▲	0 258 986 602		

370Z									
Z34	01.09→	VQ37VHR	6	3.7		▲ 0 258 986 614	0 258 986 617	300	4

OPEL

Astra									
J	09.12→	A 16 LET <Ecotec>	4	1.6		● 0 258 010 068	0 258 986 602	350	4
						▲ 0 258 010 069	0 258 986 602	373	4

Astra GTC									
J	09.12→	A 14 NET <Turbo ecoFLEX>	4	1.4		● 0 258 010 121		460	4
						▲ 0 258 010 065		300	4
		A 16 LET <Turbo ecoFLEX>	4	1.6		● 0 258 010 068	0 258 986 602	350	4
						▲ 0 258 010 069	0 258 986 602	373	4

Astra Sports Tourer									
J	09.12→	A 14 NET <Ecotec>	4	1.4		● 0 258 010 121		460	4
						▲ 0 258 010 065		300	4
		A 16 LET <Ecotec>	4	1.6		● 0 258 010 068	0 258 986 602	350	4
						▲ 0 258 010 069	0 258 986 602	373	4

Astra 1.4i Turbo									
J	09.09→	A 14 NET <Ecotec>	4	1.4		● 0 258 010 121		460	4
						▲ 0 258 010 065		300	4

Corsa									
D	09.12→	A 14 XER <Twinport ECO>	4	1.4		● 0 258 010 121		460	4
						▲ 0 258 010 065		300	4

Insignia									
69	09.12→	A 20 DTH <ecoFlex>							
		Chass.no A1000001→	4	2.0		● 0 281 004 186			
		Chass.no →91999999	4	2.0		● 0 281 004 110		460	5

Insignia Sports Tourer									
35	09.12→	A 20 DTH <ecoFlex>							
		Chass.no A1000001→	4	2.0		● 0 281 004 186			
		Chass.no →91999999	4	2.0		● 0 281 004 110		460	5

PEUGEOT

Partner									
B9	05.08→	NFR <TU5JP4B>	4	1.6		● 0 258 006 028	0 258 986 615	410	4
						▲ 0 258 006 185	0 258 986 615	565	4

RCZ 1.6 THP									
T75	01.10→	5FU <EP6CDTX>	4	1.6		● 0 258 027 017			
						▲	0 258 986 602		



T75	01.10→	5FV <EP6CDT>	4	1.6	▲	0 258 986 602		
		Trans.no MC	4	1.6	●	0 258 017 209	710	5
		Trans.no MC	4	1.6	●	0 258 010 081	565	4

RCZ 2.0 HDi

T75	01.10→	RHH <DW10CTED4 FAP>	4	2.0	●	0 281 004 130	410	5
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205

	10.86 - 10.87	DFZ <XU9J1 Kat.>	4	1.9	●	0 258 003 046	0 258 986 502	440	3
	10.87 - 09.98	D6B <XU9JA>	4	1.9	●	0 258 003 074	0 258 986 506	440	4

205 GTi

	10.87 - 03.91	DFZ <XU9J1 Kat.>	4	1.9	●	0 258 003 046	0 258 986 502	440	3
	04.91 - 04.94	DFY,DKZ <XU9JAZ Kat.>	4	1.9	●	0 258 003 074	0 258 986 506	440	4

205 Si

	04.91 - 04.94	BDY <XU5M Kat.>	4	1.6	●	0 258 003 074	0 258 986 506	440	4
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206

T1	06.98 - 08.07	NFZ <TU5JP>	4	1.6	●	0 258 006 028	0 258 986 615	410	4
					▲	0 258 006 029	0 258 986 615	1510	4
	03.00 - 08.07	NFU <TU5JP4>	4	1.6	▲	0 258 006 185	0 258 986 615	565	4
					●	0 258 006 028	0 258 986 615	410	4
					●	0 258 006 027	0 258 986 615	565	4
	03.00 - 02.09	KF... <TU3JP/TU3A/L4/FL5>	4	1.4	●		0 258 986 507		
					▲		0 258 986 507		
	10.00 - 11.04	RFN <EW10J4>	4	2.0	▲	0 258 006 186	0 258 986 615	1260	4
		Org. →9673	4	2.0	●	0 258 006 027	0 258 986 615	565	4
		Org. 9674→	4	2.0	●	0 258 006 026	0 258 986 615	1260	4
	06.01 - 02.07	N6A <TU5JP4>	4	1.6	●	0 258 006 027	0 258 986 615	565	4
T1	03.03 - 08.06	RFK <EW10J4S>	4	2.0	●	0 258 006 026	0 258 986 615	1260	4
					▲	0 258 006 186	0 258 986 615	1260	4
	02.04 - 12.05	KFW <TU3JP>	4	1.4	●	0 258 006 027	0 258 986 507	565	4
							0 258 986 615	565	4

206CC

T1	09.00 - 03.07	NFU <TU5JP4>	4	1.6	▲	0 258 006 185	0 258 986 615	565	4
					●	0 258 006 028	0 258 986 615	410	4
					●	0 258 006 027	0 258 986 615	565	4
		RFN <EW10J4>	4	2.0	▲	0 258 006 186	0 258 986 615	1260	4
		Org. →9673	4	2.0	●	0 258 006 027	0 258 986 615	565	4
		Org. 9674→	4	2.0	●	0 258 006 026	0 258 986 615	1260	4

207

A7	05.06 - 06.09	KF... <TU3A>	4	1.4	▲		0 258 986 507		
	07.06 - 04.10	5FX <EP6DT>	4	1.6	▲		0 258 986 602		
		Org. →11556 81, 82 →11563	4	1.6	●	0 258 017 209		710	5
		Org. 11557 81→, 11564 82→	4	1.6	●	0 258 010 081		565	4
	03.07 - 06.09	5FW <EP6>	4	1.6	▲		0 258 986 602		
		Org. →11808	4	1.6	●	0 258 017 217		320	5
		Org. 11809→	4	1.6	●	0 258 017 217		320	5
	06.07 - 06.09	5FW <EP6>	4	1.6	▲		0 258 986 602		
		Org. →11808	4	1.6	●	0 258 017 217		320	5
		Org. 11809→	4	1.6	●	0 258 017 217		320	5
	07.09→	5FS <EP6C>	4	1.6	●	0 258 017 217		320	5
					▲		0 258 986 602		





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207 GTi

A7	04.07 - 02.11	5FY <EP6DTS>	4	1.6	●	0 258 017 209	710	5
					▲	0 258 986 602		

207CC

A7	03.07 - 06.09	5FW <EP6>	4	1.6	▲	0 258 986 602		
		Org. →11808	4	1.6	03.07 - 03.09	●	0 258 017 217	320 5
		Org. 11809→	4	1.6	04.09 - 06.09	●	0 258 017 217	320 5
	03.07 - 07.10	5FX <EP6DT>	4	1.6	▲	0 258 986 602		
		Org. →11556 81, →11563 82	4	1.6	03.07 - 08.08	●	0 258 017 209	710 5
		Org. 11557 81→, 11564 82→	4	1.6	09.08 - 07.10	●	0 258 010 081	565 4
	07.09→	5FS <EP6C>	4	1.6	●	0 258 017 217	320	5
					▲	0 258 986 602		

306

N3	01.93 - 04.97	LFZ <XU7JP KAT.>	4	1.8	01.93 - 02.95	●	0 258 003 203	0 258 986 506	1500	4
					03.95 - 04.97	●	0 258 003 717	0 258 986 506	565	4
	08.93 - 04.97	RFX <XU10J2 KAT.>	4	2.0	08.93 - 02.95	●	0 258 003 203	0 258 986 506	1500	4
					03.95 - 04.97	●	0 258 003 717	0 258 986 506	565	4
		RFY <XU10J4>	4	2.0	08.93 - 02.95	●	0 258 003 203	0 258 986 506	1500	4
					03.95 - 04.97	●	0 258 003 717	0 258 986 506	565	4
		R6D <XU10J2>	4	2.0	08.93 - 02.95	●	0 258 003 203	0 258 986 506	1500	4
					03.95 - 04.97	●	0 258 003 717	0 258 986 506	565	4
N5	05.97 - 03.02	LFY <XU7JP4>	4	1.8	EURO 96, CEE 95, L3 emissions	●		0 258 986 506		
					EURO 2000, CEE 2000 emissions	●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 186	0 258 986 615	1260	4
		L6A <XU7JP>	4	1.8		●	0 258 003 672	0 258 986 506	565	4
		RFV <XU10J4R>	4	2.0		●	0 258 003 717	0 258 986 506	565	4
	05.97 - 10.03	LFY <XU7JP4>	4	1.8	EURO 96, CEE 95, L3 emissions	●		0 258 986 506		
					EURO 2000, CEE 2000 emissions	●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 186	0 258 986 615	1260	4
		LFZ <XU7JP KAT.>	4	1.8		●	0 258 003 717	0 258 986 506	565	4
		L6A <XU7JP>	4	1.8		●	0 258 003 672	0 258 986 506	565	4
		RFS <XU10J4RS>	4	2.0		●	0 258 003 717	0 258 986 506	565	4
		RFV <XU10J4R>	4	2.0		●	0 258 003 717	0 258 986 506	565	4
		R6E <XU10J4R>	4	2.0		●	0 258 003 672	0 258 986 506	565	4
	12.97 - 12.07	<XU7JP4>	4	1.8		●	0 258 003 717	0 258 986 506	565	4

306CC

N3	01.93 - 04.97	LFZ <XU7JP KAT.>	4	1.8	01.93 - 02.95	●	0 258 003 203	0 258 986 506	1500	4
					03.95 - 04.97	●	0 258 003 717	0 258 986 506	565	4
N5	05.97 - 10.03	LFY <XU7JP4>	4	1.8	EURO 96, CEE 95, L3 emissions	●		0 258 986 506		
					EURO 2000, CEE 2000 emissions	●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 186	0 258 986 615	1260	4
		RFV <XU10J4R>	4	2.0		●	0 258 003 717	0 258 986 506	565	4

307

T5	08.00 - 05.05	NFU <TU5JP4>	4	1.6		▲	0 258 006 185	0 258 986 615	565	4
		Org. →10228	4	1.6	08.00 - 11.04	●	0 258 006 027	0 258 986 615	565	4
		Org. 10229→	4	1.6	12.04 - 05.05	●	0 258 006 028	0 258 986 615	410	4
		RFN <EW10J4>	4	2.0		●	0 258 006 026	0 258 986 615	1260	4
						▲	0 258 006 029	0 258 986 615	1510	4
	10.03 - 05.05	RFK <EW10J4S>	4	2.0		●	0 258 006 026	0 258 986 615	1260	4
						▲	0 258 006 029	0 258 986 615	1510	4
		RFN <EW10J4>	4	2.0		●	0 258 006 026	0 258 986 615	1260	4
						▲	0 258 006 029	0 258 986 615	1510	4





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D9	04.99 - 06.04	XFZ <ES9J4>	6	3.0	ECE R15.04 emissions	●	0 258 003 705	0 258 986 503	565	4
					EURO 96, CEE 95, L3 emissions	●	0 258 003 754	0 258 986 503	565	4
	04.99 - 02.05	RFV <XU10J4R>	4	2.0	Ascertain in vehicle	●	0 258 003 673	0 258 986 506	1260	4
							0 258 003 718	0 258 986 506	1265	4
		XFZ <ES9J4>	6	3.0	ECE R15.04 emissions	●	0 258 003 705	0 258 986 503	565	4
					EURO 96, CEE 95, L3 emissions	●	0 258 003 754	0 258 986 503	565	4
	12.99 - 06.04	XFX <ES9J4S>	6	3.0		▲	0 258 006 185	0 258 986 615	565	4
		Org. →8819	6	3.0	12.99 - 12.00 Front	●	0 258 006 027	0 258 986 615	565	4
					Rear	●	0 258 006 028	0 258 986 615	410	4
		Org. 8820→	6	3.0	01.01 - 06.04	●	0 258 006 027	0 258 986 615	565	4
	12.99 - 02.05	XFX <ES9J4S>	6	3.0		▲	0 258 006 185	0 258 986 615	565	4
		Org. →8819	6	3.0	12.99 - 12.00 Front	●	0 258 006 027	0 258 986 615	565	4
					Rear	●	0 258 006 028	0 258 986 615	410	4
		Org. 8820→	6	3.0	01.01 - 02.05	●	0 258 006 027	0 258 986 615	565	4
	08.00 - 06.04	RFN <EW10J4>	4	2.0		●	0 258 006 026	0 258 986 615	1260	4
						▲	0 258 006 029	0 258 986 615	1510	4
407										
D2	05.04 - 10.05	3FZ <EW12J4>	4	2.2		●	0 258 006 026	0 258 986 615	1260	4
						▲	0 258 006 431	0 258 986 615	1860	4
	05.04 - 11.05	RFN <EW10J4>	4	2.0		●	0 258 006 026	0 258 986 615	1260	4
						▲	0 258 006 431	0 258 986 615	1860	4
	05.04 - 12.06	XFV <ES9A>	6	3.0		●	0 258 006 027	0 258 986 615	565	4
						▲	0 258 006 185	0 258 986 615	565	4
505										
	02.86 - 06.87	<XN6 Kat.>	4	2.0	02.86 - 06.86	●	0 258 003 004	0 258 986 502	426	3
					07.86 - 06.87	●	0 258 003 046	0 258 986 502	440	3
	03.86 - 12.93	851X <ZDJL Kat.>	4	2.2		●	0 258 003 046	0 258 986 502	440	3
508 2.2 HDi										
W2	10.10→	4HL <DW12C>	4	2.2		●	0 281 004 130		410	5
605										
Y30	07.93 - 05.99	UFZ <ZPJ KAT.>	6	3.0	07.93 - 06.94	●	0 258 003 204	0 258 986 503	1500	4
					07.94 - 05.99	●	0 258 003 359	0 258 986 503	1510	4
607										
Z8	03.00 - 11.04	XFX <ES9J4S>	6	2.9		▲	0 258 006 185	0 258 986 615	565	4
		Org. →8819	6	2.9	03.00 - 12.00 Front	●	0 258 006 027	0 258 986 615	565	4
					Rear	●	0 258 006 028	0 258 986 615	410	4
		Org. 8820→	6	2.9	01.01 - 11.04	●	0 258 006 027	0 258 986 615	565	4
Z9	12.04→	XFV <ES9A>	6	3.0		▲	0 258 006 185	0 258 986 615	565	4
					Front	●	0 258 006 027	0 258 986 615	565	4
					Rear	●	0 258 006 028	0 258 986 615	410	4
3008										
T8	05.09→	5FV <EP6CDT>	4	1.6		●	0 258 010 081		565	4
						▲		0 258 986 602		
		RHH <DW10CTED4 FAP>	4	2.0		●	0 281 004 130		410	5
4007										
I3	09.07→	4HN <DW12METED4 /FAP>	4	2.2		●	0 281 004 080		565	5



Porsche

Boxster

986	10.96 - 08.99	M96.20	6	2.5		▲ 0 258 003 806	0 258 986 505	350	4
	09.99 - 08.02	M96.22	6	2.7		● 0 258 003 806	0 258 986 505	350	4
					Front	▲ 0 258 005 183	0 258 986 505	425	4
					Rear	▲ 0 258 003 806	0 258 986 505	350	4
	09.02 - 08.04	M96.23	6	2.7	Front	▲ 0 258 006 508	0 258 986 602	430	4
					Rear	▲ 0 258 006 506	0 258 986 602	290	4
987	09.04 - 08.06	M96.25	6	2.7		● 0 258 017 222		1220	5
						▲ 0 258 006 697	0 258 986 602	775	4
	09.06 - 01.09	M97.20	6	2.7		● 0 258 006 810	0 258 986 602	790	4
						▲ 0 258 006 697	0 258 986 602	775	4
	02.09 →	MA1.20	6	2.9		● 0 258 017 228		1460	5
						▲ 0 258 010 147		710	4

Boxster S

986	09.99 - 08.02	M96.21	6	3.2		● 0 258 003 806	0 258 986 505	350	4
					Front	▲ 0 258 005 183	0 258 986 505	425	4
					Rear	▲ 0 258 003 806	0 258 986 505	350	4
	09.02 - 08.04	M96.24	6	3.2	Front	▲ 0 258 006 508	0 258 986 602	430	4
					Rear	▲ 0 258 006 506	0 258 986 602	290	4
						● 0 258 017 222		1220	5
987	09.04 - 08.06	M96.26	6	3.2		▲ 0 258 006 697	0 258 986 602	775	4
						● 0 258 006 810	0 258 986 602	790	4
	09.06 - 08.08	M97.2...	6	3.4		▲ 0 258 006 697	0 258 986 602	775	4
						● 0 258 017 228		1460	5
	09.08 →	MA1.21	6	3.4		▲ 0 258 010 147		710	4

Boxster Spyder

987	09.10 →	MA1.21C	6	3.4		● 0 258 017 228		1460	5
						▲ 0 258 010 147		710	4

Carrera GT

	10.04 - 04.06	M80.01	10	5.7		● 0 258 007 044		750	5
						▲ 0 258 006 205	0 258 986 602	600	4

Cayenne

9PA	02.07 - 08.10	M55.01	6	3.6	cyls. 1 - 3	● 0 258 017 082		390	5
						▲ 0 258 010 036	0 258 986 602	750	4
					cyls. 4 - 6	● 0 258 017 178		750	5
						▲ 0 258 010 036	0 258 986 602	750	4
92A	09.10 - 08.11	M05.9E	6	3.0		● 0 281 004 148		750	5
						● 0 258 017 178		750	5
						▲ 0 258 006 986		1290	4
						● 0 258 017 178		750	5
	09.10 →	M55.02	6	3.6	cyls. 1 - 3	▲ 0 258 006 986	0 258 986 602	1290	4
					cyls. 4 - 6				

Cayenne GTS

9PA	08.07 - 08.10	M48.01G	8	4.8		● 0 258 017 228		1460	5
						▲ 0 258 006 962	0 258 986 602	693	4

Cayenne S

9PA	09.02 - 01.07	M48.00	8	4.5		▲ 0 258 006 498	0 258 986 602	790	4
					Left side	● 0 258 007 158		1490	5
					Right side	● 0 258 007 157		1470	5
						● 0 258 017 228		1460	5
						▲ 0 258 006 962	0 258 986 602	693	4





◀ PORSCHE

92A	09.10→	M48.02	8	4.8		▲ 0 258 010 207		
					Left side	● 0 258 017 254		
					Right side	● 0 258 017 256		

Cayenne S Hybrid

92A	09.10 - 08.11	M06.EC	6	3.0	Left side	● 0 258 017 182		1720	5
						▲ 0 258 006 986	0 258 986 602	1290	4
					Right side	● 0 258 017 176		750	5
						▲ 0 258 010 038	0 258 986 602	750	4
	09.11→	MCG...	6	3.0	Left side	● 0 258 017 182		1720	5
						▲ 0 258 006 986	0 258 986 602	1290	4
					Right side	● 0 258 017 176		750	5
						▲ 0 258 010 038	0 258 986 602	750	4

Cayenne Turbo

9PA	09.02 - 01.07	M48.50	8	4.5		● 0 258 007 174		800	5
						▲ 0 258 006 498	0 258 986 602	790	4
	02.07 - 08.10	M48.51	8	4.8		● 0 258 017 226		715	5
						▲ 0 258 006 962	0 258 986 602	693	4
92A	09.10→	M48.52	8	4.8		● 0 258 017 258			
						▲ 0 258 010 207			

Cayenne Turbo S

9PA	02.07 - 08.10	M48.51T	8	4.8		● 0 258 017 226		715	5
						▲ 0 258 006 962	0 258 986 602	693	4

Cayenne 3.0

92A	06.11→	MCR.C...	6	3.0		● 0 281 004 148		750	5
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Cayman

987C	09.06 - 01.09	M97.20	6	2.7		● 0 258 006 810	0 258 986 602	790	4
						▲ 0 258 006 697	0 258 986 602	775	4
	02.09→	MA1.20C	6	2.9		● 0 258 017 228		1460	5
						▲ 0 258 010 147		710	4

Cayman R

987C	02.10→	MA1.21C	6	3.4		● 0 258 017 228		1460	5
						▲ 0 258 010 147		710	4

Cayman S

987C	11.05 - 01.09	M97.21	6	3.4		● 0 258 006 810	0 258 986 602	790	4
						▲ 0 258 006 697	0 258 986 602	775	4
	02.09→	MA1.21C	6	3.4		● 0 258 017 228		1460	5
						▲ 0 258 010 147		710	4

Panamera

970	05.10→	M46.20; M46.40	6	3.6	cyls. 1 - 3	● 0 258 017 220		1080	5
					cyls. 4 - 6	● 0 258 017 218		665	5
						▲ 0 258 010 177	0 258 986 602	950	4
					Dual Clutch Trans.,	▲ 0 258 010 139	0 258 986 602	1230	4
					cyls. 1 - 3				
					Manual Trans., cyls. 1 - 3	▲ 0 258 010 179	0 258 986 602	1360	4
	03.11→	M48.70	8	4.8	Left side	● 0 258 017 218		665	5
						▲ 0 258 010 177	0 258 986 602	950	4
					Right side	● 0 258 017 220		1080	5
						▲ 0 258 010 139	0 258 986 602	1230	4
	06.11→	MCG...	6	3.0		▲ 0 258 010 346			
					Left side	● 0 258 017 182		1720	5
					Right side	● 0 258 017 176		750	5

**Panamera S**

970	03.09→	M48.20	8	4.8	cyls. 1 - 4	● 0 258 017 220	1080	5	
					cyls. 5 - 8	● 0 258 017 218	665	5	
						▲ 0 258 010 177	0 258 986 602	950	4
					Dual Clutch Trans., cyls. 1 - 4	▲ 0 258 010 139	0 258 986 602	1230	4
					Manual Trans.,cyls. 1 - 4	▲ 0 258 010 179	0 258 986 602	1360	4

Panamera Turbo

970	03.09→	M48.70	8	4.8	Left side	● 0 258 017 218	665	5
						▲ 0 258 010 177	0 258 986 602	950
					Right side	● 0 258 017 220	1080	5
						▲ 0 258 010 139	0 258 986 602	1230

Panamera 4S

970	03.09→	M48.40	8	4.8	cyls. 1 - 4	● 0 258 017 220	1080	5	
					cyls. 5 - 8	● 0 258 017 218	665	5	
						▲ 0 258 010 177	0 258 986 602	950	4
					Dual Clutch Trans., cyls. 1 - 4	▲ 0 258 010 139	0 258 986 602	1230	4
					Manual Trans.,cyls. 1 - 4	▲ 0 258 010 179	0 258 986 602	1360	4

911

	09.83 - 07.86	930.21	6	3.2		● 0 258 003 003	0 258 986 502	550	3
997	08.06 - 05.08	M96.05	6	3.6		● 0 258 006 824	0 258 986 602	550	4
						▲ 0 258 006 825	0 258 986 602	580	4
						● 0 258 006 824	0 258 986 602	550	4
	08.07 - 08.09	M97.01	6	3.8		▲ 0 258 006 825	0 258 986 602	580	4
						● 0 258 007 308		735	5
	08.07 - 08.09	M97.70	6	3.6		▲ 0 258 006 826	0 258 986 602	615	4

911 Carrera

964	09.89 - 08.93	M64.0...	6	3.6	09.90 - 08.93	● 0 258 003 924	0 258 986 502	715	3
993	09.93 - 08.95	M64.0...	6	3.6		● 0 258 003 369	0 258 986 505	1000	4
	09.94 - 08.97	M64.20	6	3.8		● 0 258 003 369	0 258 986 505	1000	4
	09.95 - 08.97	M64.2...	6	3.6		● 0 258 003 369	0 258 986 505	1000	4
	09.97 - 08.99	M96.01	6	3.4		● 0 258 003 564	0 258 986 505	580	4
996					w/OBD	▲ 0 258 003 723	0 258 986 505	720	4
	09.99 - 08.01	M96.04	6	3.4	w/o OBD	▲ 0 258 003 723	0 258 986 505	720	4
					09.99 - 08.00	● 0 258 003 564	0 258 986 505	580	4
					09.00 - 08.01	● 0 258 003 564	0 258 986 505	580	4
	09.01 - 07.04	M96.03	6	3.6		● 0 258 006 433	0 258 986 602	580	4
						▲ 0 258 006 435	0 258 986 602	580	4
	08.04 - 05.08	M96.05	6	3.6	08.04 - 08.05	● 0 258 006 433	0 258 986 602	580	4
					09.05 - 05.08	▲ 0 258 006 435	0 258 986 602	580	4
997						● 0 258 006 824	0 258 986 602	550	4
						▲ 0 258 006 825	0 258 986 602	580	4
	04.05 - 05.08	M96.05	6	3.6	04.05 - 08.05	● 0 258 006 433	0 258 986 602	580	4
						▲ 0 258 006 435	0 258 986 602	580	4
		M97.01	6	3.8	04.05 - 08.05	● 0 258 006 433	0 258 986 602	580	4
						▲ 0 258 006 435	0 258 986 602	580	4
					09.05 - 05.08	● 0 258 006 824	0 258 986 602	550	4
						▲ 0 258 006 825	0 258 986 602	580	4
997 GT3	03.06 - 12.08	M97.76	6	3.6		● 0 258 007 276		790	5
						▲ 0 258 006 697	0 258 986 602	775	4
997	06.08→	MA1.02	6	3.6		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4
991	12.11→	MA1.04	6	3.4		● 0 258 017 315			
		MA1.03	6	3.8		● 0 258 017 315			
	03.12→	MA1.04	6	3.4		● 0 258 017 315			
		MA1.03	6	3.8		● 0 258 017 315			





◀ PORSCHE

911 Carrera Cab									
997	06.08→	MA1.02	6	3.6		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4

911 Carrera S									
997	08.04 - 05.08	M97.01	6	3.8	08.04 - 08.05	● 0 258 006 433		0 258 986 602	580 4
						▲ 0 258 006 435		0 258 986 602	580 4
						● 0 258 006 824		0 258 986 602	550 4
						▲ 0 258 006 825		0 258 986 602	580 4
	06.08→	MA1.01	6	3.8	09.05 - 05.08	● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4

911 Carrera S Cab									
997	06.08→	MA1.01	6	3.8		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4

911 Carrera 4									
964	09.89 - 08.93	M64.01	6	3.6	09.90 - 08.93	● 0 258 003 924		0 258 986 502	715 3
993	09.94 - 08.95	M64.05	6	3.6		● 0 258 003 369		0 258 986 505	1000 4
	09.95 - 08.97	M64.21	6	3.6		● 0 258 003 369		0 258 986 505	1000 4
996	09.01 - 07.04	M96.03	6	3.6		● 0 258 006 433		0 258 986 602	580 4
						▲ 0 258 006 435		0 258 986 602	580 4
997	10.05 - 05.08	M97.01	6	3.8		● 0 258 006 824		0 258 986 602	550 4
						▲ 0 258 006 825		0 258 986 602	580 4
	06.08→	MA1.02	6	3.6		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4

911 Carrera 4 Cab									
997	06.08→	MA1.02	6	3.6		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4

911 Carrera 4S									
997	06.08→	MA1.01	6	3.8		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4

911 Carrera 4S Cab									
997	06.08→	MA1.01	6	3.8		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4

911 GTS									
997	10.10→	MA1.01	6	3.8		● 0 258 017 222		1220	5
						▲ 0 258 010 083		835	4

911 GTS Cab									
997	10.10→	MA1.01	6	3.8		● 0 258 017 222		1220	5
						▲ 0 258 010 083		835	4

911 GT2									
996T/GT2/GT3	06.01 - 09.04	M96.70S	6	3.6		● 0 258 003 564		0 258 986 505	580 4
997	09.07 - 08.09	M97.70S	6	3.6		● 0 258 007 308		735	5
						▲ 0 258 006 826		0 258 986 602	615 4

911 GT2 RS									
997	09.10 - 08.11	M97.70	6	3.6		● 0 258 007 308		735	5
						▲ 0 258 010 057		0 258 986 602	705 4

911 GT3									
996T/GT2/GT3	03.99 - 08.01	M96.76	6	3.6		● 0 258 003 721		0 258 986 505	870 4
997 GT3	08.09 - 08.11	M97.77	6	3.8		● 0 258 017 222		1220	5
						▲ 0 258 006 697		0 258 986 602	775 4



911 GT3 RS									
997 GT3	08.10 - 08.11	M97.77	6	3.8		● 0 258 017 223		1220	5
						▲ 0 258 006 697	0 258 986 602	775	4
911 Targa 4									
997	06.08→	MA1.02	6	3.6		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4
911 Targa 4S									
997	06.08→	MA1.01	6	3.8		● 0 258 017 223		1220	5
						▲ 0 258 010 083		835	4
911 Turbo									
964	12.90 - 08.92	M30.69	6	3.3		● 0 258 003 924	0 258 986 502	715	3
	02.93 - 08.93	M64.50	6	3.6		● 0 258 003 924	0 258 986 502	715	3
993	03.95 - 08.97	M64.60	6	3.6		● 0 258 003 564	0 258 986 505	580	4
						▲ 0 258 003 577	0 258 986 505	870	4
996T/GT2/GT3	06.00 - 09.05	M96.70	6	3.6		● 0 258 003 564	0 258 986 505	580	4
	02.03 - 09.05	M96.70E	6	3.6		● 0 258 003 564	0 258 986 505	580	4
	10.03 - 09.05	M96.70	6	3.6		● 0 258 003 564	0 258 986 505	580	4
		M96.70E	6	3.6		● 0 258 003 564	0 258 986 505	580	4
997	03.06 - 08.09	M97.70	6	3.6		● 0 258 007 308		735	5
						▲ 0 258 006 826	0 258 986 602	615	4
	10.09→	MA1.70	6	3.8		● 0 258 017 213			
						▲ 0 258 010 200	0 258 986 602		
911 Turbo Cab									
997	10.09→	MA1.70	6	3.8		● 0 258 017 213			
						▲ 0 258 010 200	0 258 986 602		
911 Turbo S									
997	05.10→	MA1.70	6	3.8		● 0 258 017 213			
						▲ 0 258 010 200	0 258 986 602		
911 Turbo S Cab									
997	05.10→	MA1.70	6	3.8		● 0 258 017 213			
						▲ 0 258 010 200	0 258 986 602		
928S									
	08.83 - 07.86	M28.2...	8	4.7		● 0 258 003 003	0 258 986 502	550	3
	08.85 - 07.86	M28...	8	4.7		● 0 258 003 918	0 258 986 502	582	3
	08.86 - 07.91	M2842...	8	5.0		● 0 258 003 048	0 258 986 502	670	3
	08.91 - 11.95	M28...	8	5.4		● 0 258 003 048	0 258 986 502	670	3
944									
	01.85 - 07.87	M44.0...	4	2.5		● 0 258 003 011	0 258 986 502	952	3
	08.85 - 07.88	M44.51	4	2.5		● 0 258 003 012	0 258 986 502	670	3
	09.87 - 07.91	M44.52	4	2.5		● 0 258 003 012	0 258 986 502	670	3
	11.88 - 07.89	M44.1...	4	2.7		● 0 258 003 011	0 258 986 502	952	3
	12.88 - 07.91	M44.41	4	3.0		● 0 258 003 011	0 258 986 502	952	3
968									
	08.91 - 11.95	M44.4...	4	3.0		● 0 258 003 011	0 258 986 502	952	3





PROTON

GEN2

02.04→	S4PH <Campro>	4	1.6	●	0 258 005 255	0 258 986 507	318	4
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Persona

C90 CC0	01.93 - 12.97	4G15 Euro I	4	1.5	11.94 - 12.97	●	0 258 005 255	0 258 986 507	318	4
C90 CC1	12.95 - 06.99	4G13 Euro II	4	1.3		●	0 258 005 255	0 258 986 507	318	4
		4G92 Euro II <SOHC>	4	1.6		●		0 258 986 602		
	12.95→	4G15 <Euro II>	4	1.5		●	0 258 005 255	0 258 986 507	318	4
	08.07→	S4PH <Campro>	4	1.6		●	0 258 005 255	0 258 986 507	318	4

Satria

C90	03.96→	4G13	4	1.3		●	0 258 003 383	0 258 986 507	313	4
		4G15	4	1.5		●	0 258 003 383	0 258 986 507	313	4
		4G92	4	1.6		●	0 258 003 383	0 258 986 507	313	4
	11.98→	4G93	4	1.8		●		0 258 986 602		

S16

02.08→	S4PE <Campro MPI DOHC>	4	1.3	●	0 258 005 255	0 258 986 507	318	4
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Waja

CF1	09.00→	4G18 S4	4	1.6		▲	0 258 986 623	0 258 986 602	650	4
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Wira

C90	05.95 - 12.96	4G92	4	1.6		●		0 258 986 602		
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RENAULT

Clio

BB./CB./SB.	06.98 - 10.07	K4M 748	4	1.6	●	0 258 006 046	0 258 986 615	480	4		
		Chass.no VF1BBOH,									
		Chass.no VF1CBOH	4	1.6	▲	0 258 006 294	0 258 986 615	408	4		
		Chass.no VF1BBOT,									
	Chass.no VF1CBOT	4	1.6	▲	0 258 005 135	0 258 986 507	428	4			
	03.99 - 10.07	F4R 730	4	2.0	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 294	0 258 986 615	408	4				
	10.99 - 10.07	K4J 712; K4J 713	4	1.4	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 294	0 258 986 615	408	4				
	05.00 - 10.07	K4J 711	4	1.4	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 294	0 258 986 615	408	4				
	08.00 - 10.07	K4J 710	4	1.4	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 294	0 258 986 615	408	4				
		K4M 708	4	1.6	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 295	0 258 986 615	358	4				
	06.01 - 10.07	K4M 744	4	1.6	●	0 258 006 046	0 258 986 615	480	4		
▲			0 258 006 294	0 258 986 615	408	4					
F4R 732; F4R 736		4	2.0	●	0 258 006 046	0 258 986 615	480	4			
		▲	0 258 006 294	0 258 986 615	408	4					
LB	06.01 - 10.07	K4J 712	4	1.4	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 294	0 258 986 615	408	4				
	11.01 - 10.07	K4J 713	4	1.4	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 294	0 258 986 615	408	4				
BB./CB./SB.	12.02 - 10.07	K4M 742	4	1.6	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 294	0 258 986 615	408	4				
	03.03 - 10.07	F4R 738	4	2.0	●	0 258 006 046	0 258 986 615	480	4		
			▲	0 258 006 046	0 258 986 615	480	4				
BR/CR	06.05→	K4J 780	4	1.4	05.08→	Ascertain in vehicle	●	0 258 006 046	0 258 986 615	480	4

											
BR/CR	12.05→	F4R 830	4	2.0	Ascertain in vehicle	●	0 258 006 046	0 258 986 615	480	4	
							0 258 006 971	0 258 986 615	420	4	
						▲	0 258 006 294	0 258 986 615	408	4	
							0 258 006 971	0 258 986 615	420	4	
	11.09→	F4R 832	4	2.0	Ascertain in vehicle	▲	0 258 010 110	0 258 986 602	420	4	
						●	0 258 006 046	0 258 986 602	480	4	
							0 258 986 615	480	4		
							0 258 010 110	0 258 986 602	420	4	
Fluence											
L3	02.10→	M4R 714	4	2.0		●	0 258 006 990	0 258 986 602	492	4	
						▲	0 258 006 990	0 258 986 602	492	4	
Koleos											
HY	09.08→	M9R 833	4	2.0		●	0 281 004 027		655	5	
Laguna											
B56	01.94 - 12.96	F3R 722	4	2.0		●	0 258 003 448	0 258 986 502	560	3	
	01.94 - 02.01	F3R 723	4	2.0		●	0 258 003 448	0 258 986 502	560	3	
BG.	03.01 - 09.07	F4R 712	4	2.0		●	0 258 006 046	0 258 986 615	480	4	
						▲	0 258 006 295	0 258 986 615	358	4	
		L7X 731	6	3.0		●	0 258 006 027	0 258 986 615	565	4	
						▲	0 258 006 027	0 258 986 615	565	4	
	06.01 - 09.07	F4R 713	4	2.0		●	0 258 006 046	0 258 986 615	480	4	
						▲	0 258 006 295	0 258 986 615	358	4	
07.05 - 09.07	G9T 605	4	2.2		●	0 281 004 040		481	5		
BT	10.07→	F4R 811	4	2.0		●	0 258 006 988	0 258 986 615	358	4	
KT	10.07→	F4R 811	4	2.0		●	0 258 006 988	0 258 986 615	358	4	
Megane											
X64	03.99 - 09.03	K4M 700	4	1.6		●	0 258 006 046	0 258 986 615	480	4	
						▲	0 258 006 295	0 258 986 615	358	4	
BM./CM./GM./SM.	03.03 - 10.08	F4R 774	4	2.0		●	0 258 006 295	0 258 986 615	358	4	
						▲	0 258 006 295	0 258 986 615	358	4	
LM	07.03 - 10.09	F4R 771	4	2.0	07.03 - 11.06	●	0 258 006 046	0 258 986 615	480	4	
					12.06 - 10.09	●	0 258 006 953	0 258 986 615	492	4	
EM	10.03 - 03.10	K4M 760; K4M 761	4	1.6		●	0 258 006 046	0 258 986 615	480	4	
						▲	0 258 006 046	0 258 986 615	480	4	
		F4R 770	4	2.0	10.03 - 11.06	●	0 258 006 046	0 258 986 615	480	4	
					12.06 - 03.10	●	0 258 006 953	0 258 986 615	492	4	
		F4R 771	4	2.0	10.03 - 11.06	●	0 258 006 046	0 258 986 615	480	4	
					12.06 - 03.10	●	0 258 006 953	0 258 986 615	492	4	
BM./CM./GM./SM.	05.05 - 10.08	K4M 812	4	1.6		●	0 258 006 046	0 258 986 615	480	4	
DZ	11.09→	F4R 874	4	2.0		▲	0 258 006 046	0 258 986 615	480	4	
						●	0 258 010 062	0 258 986 602	370	4	
						▲	0 258 010 062	0 258 986 602	370	4	
Megane III Coupe 2.0 R.S.											
DZ	11.11→	F4R 874	4	2.0		●	0 258 010 062	0 258 986 602	370	4	
						▲	0 258 010 062	0 258 986 602	370	4	
Megane III Hatchback 2.0											
BZ	11.08→	M4R 711	4	2.0		●	0 258 006 990	0 258 986 602	492	4	
						▲	0 258 006 990	0 258 986 602	492	4	
R 19											
X53	09.88 - 12.95	F3N 742 Kat.; F3N 743 Kat.	4	1.7		●	0 258 003 189	0 258 986 502	400	3	
	05.92 - 12.95	F3P 700 Kat.	4	1.8		●	0 258 003 189	0 258 986 502	400	3	
	09.94 - 12.95	F3P 682 Kat.	4	1.8		●	0 258 003 189	0 258 986 502	400	3	
	10.94 - 12.95	F3P 765 Kat.	4	1.8		●	0 258 003 189	0 258 986 502	400	3	



R



◀ RENAULT

R 21

L48	07.86 - 12.94	J7T 754,755 Kat.								
		Chass.no S00005773→	4	2.2	02.90 - 12.94	●		0 258 986 501		
		Chass.no →S00005772	4	2.2	07.86 - 02.90	●	0 258 003 189	0 258 986 502	400	3

R 25

	10.85 - 10.86	J7T 708	4	2.2	10.86 - 10.86	●		0 258 986 501		
	10.86 - 12.92	J7T 732,733 Kat.	4	2.2	10.86 - 01.90	●	0 258 001 051	0 258 986 501	500	1
					02.90 - 12.92	●		0 258 986 501		

Scenic

JA.	03.99 - 04.03	K4M 700	4	1.6		●	0 258 006 046	0 258 986 615	480	4
						▲	0 258 006 295	0 258 986 615	358	4
	06.99 - 04.03	F4R 744	4	2.0		●	0 258 006 046	0 258 986 615	480	4
						▲	0 258 006 295	0 258 986 615	358	4
	06.00 - 04.03	F4R 746	4	2.0		●	0 258 006 046	0 258 986 615	480	4
						▲	0 258 006 295	0 258 986 615	358	4
	11.00 - 04.03	F4R 744	4	2.0		●	0 258 006 046	0 258 986 615	480	4
						▲	0 258 006 295	0 258 986 615	358	4
	02.01 - 04.03	F4R 746	4	2.0		●	0 258 006 046	0 258 986 615	480	4
						▲	0 258 006 295	0 258 986 615	358	4
	05.03 - 04.09	F4R 770; F4R 771	4	2.0		●	0 258 006 046	0 258 986 615	480	4
						▲	0 258 006 046	0 258 986 615	480	4

ROLLS-ROYCE

Corniche

	01.87 - 05.90	OHV V8 Kat.	8	6.8		●	0 258 003 016	0 258 986 502	760	3
	04.93 - 08.94	L 410 M	8	6.8		●	0 258 003 330	0 258 986 507	1035	4

Flying Spur

	08.94 - 07.95	OHV V8	8	6.8		●	0 258 003 645	0 258 986 505	1035	4
							0 258 003 746	0 258 986 505	600	4

Ghost

RR4	12.09→	N74 B66A	12	6.6		●	0 258 027 005		320	5
						▲	0 258 010 181	0 258 986 602	600	4

Phantom

RR1	03.03→	N73 B68A	12	6.8	03.03 - 09.06	cyls. 1 - 6	●	0 258 007 145		680	5
							▲	0 258 005 297	0 258 986 505	325	4
						cyls. 7 - 12	●	0 258 007 146		680	5
							▲	0 258 005 298	0 258 986 505	325	4
					10.06→		●	0 258 017 126		680	5
							▲	0 258 006 793	0 258 986 602	325	4

Phantom Coupe

RR3	09.08→	N73 B68A	12	6.8		●	0 258 017 126		680	5
						▲	0 258 006 793	0 258 986 602	325	4

Phantom Drophead

RR2	06.07→	N73 B68A	12	6.8		●	0 258 017 126		680	5
						▲	0 258 006 793	0 258 986 602	325	4

Silver Spirit

01.87 - 07.89	OHV V8 <Kat.>	8	6.8		●	0 258 003 016	0 258 986 502	760	3	
03.94 - 05.98	L 410 MN 1T	8	6.8	03.94 - 08.95	●	0 258 003 330	0 258 986 507	1035	4	
				09.95 - 05.98	Length: 600 mm	●	0 258 003 746	0 258 986 505	600	4
					Length: 1035 mm	●	0 258 003 645		1035	4

**Silver Spur**

01.87 - 03.93	OHV V8 <Kat.>	8	6.8			● 0 258 003 016	0 258 986 502	760	3
04.93 - 12.98	OHV V8	8	6.8	09.95 - 12.98	Length: 600 mm	● 0 258 003 746	0 258 986 505	600	4
					Length: 1035 mm	● 0 258 003 645		1035	4

ROVER**75**

01.99 - 05.05	25 K4F <KV 6>	6	2.5			●	0 258 986 507		
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827

02.88 - 10.91	C27A V6	6	2.7			● 0 258 002 050	0 258 986 501	510	1
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SAAB (SAAB AUTOMOBILE AB)**9-3**

9400	03.98 - 08.00	B204I	4	2.0		▲ 0 258 003 577	0 258 986 505	870	4
					For unleaded fuel	● 0 258 005 328	0 258 986 502	500	3
					Suitable for leaded fuel	● 0 258 003 503	0 258 986 502	1120	3
		B204L	4	2.0		▲ 0 258 003 577	0 258 986 505	870	4
		Chass.no X2020001→, X7020001→	4	2.0		● 0 258 005 074	0 258 986 505	720	4
		Chass.no →X2020000, →X7020000	4	2.0		● 0 258 986 601	0 258 986 505	1120	4
		B234I	4	2.3		▲ 0 258 003 577	0 258 986 505	870	4
					For unleaded fuel	● 0 258 005 328	0 258 986 502	500	3
					Suitable for leaded fuel	● 0 258 003 503	0 258 986 502	1120	3
	09.98 - 08.00	B204E	4	2.0		▲ 0 258 003 577	0 258 986 505	870	4
Chass.no X2020001→, X7020001→		4	2.0		● 0 258 005 074	0 258 986 505	720	4	
Chass.no →X2020000, →X7020000		4	2.0		● 0 258 986 601	0 258 986 505	1120	4	
09.99 - 08.00	B235R	4	2.3		▲ 0 258 003 577	0 258 986 505	870	4	
	Chass.no X2020001→, X7020001→	4	2.3		● 0 258 005 074	0 258 986 505	720	4	
	Chass.no →X2020000, →X7020000	4	2.3		● 0 258 986 601	0 258 986 505	1120	4	
09.99 - 08.02	B205E <(Ecopower)>; B205L; B205R <Ecopower DOHC>	4	2.0		● 0 258 006 174	0 258 986 615	700	4	
					▲ 0 258 006 175	0 258 986 615	850	4	
9440	09.02 - 02.11	B207E; B207L	4	2.0	09.03 - 02.11	● 0 258 006 623	0 258 986 615	443	4
					▲ 0 258 006 624	0 258 986 615	858	4	
	02.03→	B207R	4	2.0	09.03→	● 0 258 006 623	0 258 986 615	443	4
					▲ 0 258 006 624	0 258 986 615	858	4	
	09.04 - 09.10	Z19DTH	4	1.9		● 0 281 004 026		400	5
	09.05→	B284L <Turbo>	6	2.8		● 0 258 017 001		684	5
					▲ 0 258 006 546	0 258 986 602	340	4	
	07.07→	B207R	4	2.0		● 0 258 006 623	0 258 986 615	443	4
						▲ 0 258 006 624	0 258 986 615	858	4
	02.08→	Z19DTR	4	1.9		● 0 281 004 026		400	5
04.08→	B284L <Turbo>	6	2.8		● 0 258 017 001		684	5	
				▲ 0 258 006 546	0 258 986 602	340	4		

9-3 Cabriolet

9440	08.03 - 02.11	B207E; B207L; B207R	4	2.0	09.03 - 02.11	● 0 258 006 623	0 258 986 615	443	4
						▲ 0 258 006 624	0 258 986 615	858	4
	09.05 - 02.11	B284L <Turbo>	6	2.8		● 0 258 017 001		684	5
						▲ 0 258 006 546	0 258 986 602	340	4
	01.06→	Z19DTH	4	1.9		● 0 281 004 026		400	5
	02.08→	Z19DTR	4	1.9		● 0 281 004 026		400	5



◀ SAAB

9-3 Cabriolet									
9440	09.08→	B284L	6	2.8		● 0 258 017 001		684	5
						▲ 0 258 006 546	0 258 986 602	340	4

9-3 Kombi									
9440	03.05→	Z19DTH	4	1.9		● 0 281 004 026		400	5
		B207L	4	2.0		● 0 258 006 623	0 258 986 615	443	4
						▲ 0 258 006 624	0 258 986 615	858	4
		B207R	4	2.0		● 0 258 006 623	0 258 986 615	443	4
						▲ 0 258 006 624	0 258 986 615	858	4
		B284L <Turbo>	6	2.8		● 0 258 017 001		684	5
						▲ 0 258 006 546	0 258 986 602	340	4
	02.08→	Z19DTR	4	1.9		● 0 281 004 026		400	5
	03.08→	B284L	6	2.8		● 0 258 017 001		684	5
						▲ 0 258 006 546	0 258 986 602	340	4
	03.09→	B207R	4	2.0		● 0 258 006 623	0 258 986 615	443	4
						▲ 0 258 006 624	0 258 986 615	858	4

9-5									
9600	06.97 - 08.09	B205E <Ecopower>	4	2.0	For unleaded fuel	● 0 258 005 074	0 258 986 505	720	4
					Suitable for leaded fuel	● 0 258 986 601	0 258 986 505	1120	4
	06.99 - 08.03	B308E <Ecopower> Chass.no Y3040001→	6	3.0		● 0 258 006 174	0 258 986 615	700	4
						▲ 0 258 006 173	0 258 986 615	1500	4
		Chass.no →Y3040000	6	3.0		● 0 258 005 074	0 258 986 505	720	4
						▲ 0 258 003 577	0 258 986 505	870	4
	09.99 - 08.00	B205E <Ecopower>	4	2.0	For unleaded fuel	● 0 258 005 074	0 258 986 505	720	4
					Suitable for leaded fuel	● 0 258 986 601	0 258 986 505	1120	4
	09.00 - 02.10	B235E <Ecopower>	4	2.3		● 0 258 006 174	0 258 986 615	700	4
						▲ 0 258 006 175	0 258 986 615	850	4
	09.01 - 02.10	B235R	4	2.3		● 0 258 006 174	0 258 986 615	700	4
						▲ 0 258 006 175	0 258 986 615	850	4
	09.03 - 02.10	B235L	4	2.3		● 0 258 006 174	0 258 986 615	700	4
						▲ 0 258 006 175	0 258 986 615	850	4

9-5 Kombi									
9600	09.00 - 02.10	B235E <Ecopower>	4	2.3		● 0 258 006 174	0 258 986 615	700	4
						▲ 0 258 006 175	0 258 986 615	850	4
	09.01 - 02.10	B235R	4	2.3		● 0 258 006 174	0 258 986 615	700	4
						▲ 0 258 006 175	0 258 986 615	850	4

900									
	09.83 - 08.90	B 201 I Kat.	4	2.0	09.83 - 08.85	● 0 258 001 051	0 258 986 501	500	1
	09.83 - 08.91	B 201 I Kat.	4	2.0	09.85 - 08.87 09.87 - 08.90	●	0 258 986 501		
	09.85 - 08.92	B 202 I Kat.	4	2.0		● 0 258 003 957	0 258 986 502	1236	3
	09.90 - 08.93	B 212 I Kat.	4	2.1		● 0 258 003 957	0 258 986 502	1236	3
	09.90 - 08.94	B 212 I Kat.	4	2.1	09.90 - 08.93	● 0 258 003 957	0 258 986 502	1236	3
	09.93 - 08.98	B 206 I Kat.	4	2.0		● 0 258 005 334	0 258 986 502	1285	3
					For unleaded fuel, Without heating				
					Suitable for leaded fuel	● 0 258 003 503	0 258 986 502	1120	3
	09.93 - 10.98	B 258 I	6	2.5	For leaded fuel	● 0 258 005 328	0 258 986 502	500	3
					Suitable for leaded fuel	● 0 258 003 505	0 258 986 502	500	3
	03.94 - 08.98	B 206 I Kat.	4	2.0	For unleaded fuel, Without heating	● 0 258 005 334	0 258 986 502	1285	3
					Suitable for leaded fuel	● 0 258 003 503	0 258 986 502	1120	3
	09.94 - 08.98	B 204 I Kat.	4	2.0	For unleaded fuel, Without heating	● 0 258 005 334	0 258 986 502	1285	3
					Suitable for leaded fuel	● 0 258 003 503	0 258 986 502	1120	3

**900 Turbo**

08.84 - 08.93	B 202 L Kat.	4	2.0	08.84 - 08.85	● 0 258 001 051	0 258 986 501	500	1
				09.85 - 08.89	● 0 258 003 957	0 258 986 502	1236	3

900 Turbo Cabriolet

08.86 - 09.93	B 202 L Kat.	4	2.0	09.88 - 08.93	● 0 258 003 957	0 258 986 502	1236	3
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9000

09.85 - 08.88	B 202 L <Turbo- Katalysator>	4	2.0		● 0 258 003 957	0 258 986 502	1236	3	
08.86 - 08.93	B 202 I <Kat>	4	2.0	08.86 - 08.86	● 0 258 003 957	0 258 986 502	1236	3	
				09.86 - 08.90	● 0 258 003 957	0 258 986 502	1236	3	
				09.90 - 08.91	● 0 258 003 957	0 258 986 502	1236	3	
				09.91 - 08.93	● 0 258 005 334	0 258 986 502	1285	3	
09.89 - 08.93	B 202 I <Kat>	4	2.0	09.89 - 08.90	● 0 258 003 957	0 258 986 502	1236	3	
	B 234 I <Kat>	4	2.3	09.89 - 08.91	● 0 258 003 957	0 258 986 502	1236	3	
				09.91 - 08.93	● 0 258 005 334	0 258 986 502	1285	3	
01.90 - 08.93	B 202 L <Turbo- Katalysator>	4	2.0		● 0 258 003 957	0 258 986 502	1236	3	
09.90 - 08.93	B 234 L <Turbo- Katalysator>	4	2.3	09.90 - 08.91	● 0 258 003 957	0 258 986 502	1236	3	
				09.91 - 08.93	● 0 258 005 334	0 258 986 502	1285	3	
09.92 - 12.98	B 202 S <Turbo- Katalysator>	4	2.0		● 0 258 005 334	0 258 986 502	1285	3	
09.93 - 12.98	B 234 I <Kat>	4	2.3	For unleaded fuel	● 0 258 005 329	0 258 986 502	1860	3	
				09.93 - 08.94	Suitable for leaded fuel	● 0 258 003 441	0 258 986 504	1470	3
				09.94 - 12.98	Suitable for leaded fuel	● 0 258 003 504	0 258 986 502	1470	3
	B 234 L <Kat>	4	2.3	09.93 - 08.94	Suitable for leaded fuel	● 0 258 003 503	0 258 986 504	1120	3
				09.93 - 08.95		● 0 258 005 334	0 258 986 502	1285	3
				09.94 - 08.95	Suitable for leaded fuel	● 0 258 003 503	0 258 986 502	1120	3
				09.95 - 12.98		● 0 258 986 601	0 258 986 505	1120	4
				10.95 - 12.98	Suitable for leaded fuel	● 0 258 986 601	0 258 986 505	1120	4
09.94 - 12.98	B 308 I <Kat>	6	3.0	For unleaded fuel,Front	● 0 258 003 505	0 258 986 502	500	3	
				Front	● 0 258 005 328	0 258 986 502	500	3	

SEAT

Cordoba

6K2	09.93 - 04.96	2E	4	2.0	w/catalytic converter	● 0 258 003 267	0 258 986 503	610	4
					w/o catalytic converter	● 0 258 003 829	0 258 986 503	1105	4
	07.94 - 12.02	ADZ	4	1.8	w/catalytic converter	● 0 258 003 759	0 258 986 507	550	4
					w/o catalytic converter	● 0 258 003 273	0 258 986 502	510	4
	12.95 - 11.02	AFT	4	1.6		● 0 258 003 548	0 258 986 503	910	4
	03.97 - 12.98	AEE	4	1.6		● 0 258 003 542	0 258 986 505	580	4

Ibiza

6K1	03.93 - 04.96	2E	4	2.0	w/catalytic converter	● 0 258 003 267	0 258 986 503	610	4
					w/o catalytic converter	● 0 258 003 829	0 258 986 503	1105	4
	09.93 - 12.95	ABD							
		Chass.no →6K..ZR155 000, 4	1.4	09.93 - 12.94	w/catalytic converter	● 0 258 003 439	0 258 986 503	650	4
		→6K..ZR700 000			w/o catalytic converter	● 0 258 003 829	0 258 986 503	1105	4
		Chass.no 6K..ZR155 001→, 4	1.4	01.95 - 12.95		● 0 258 003 759	0 258 986 507	550	4
		6K..ZR700 001→							
	12.95 - 12.97	AEX							
		Chass.no →6K..V..165 000	4	1.4	12.95 - 05.97	● 0 258 003 759	0 258 986 507	550	4
		Chass.no 6K..V..165 000→	4	1.4	06.97 - 12.97	● 0 258 003 842	0 258 986 505	750	4
	06.96 - 10.99	ABF	4	2.0		● 0 258 003 584	0 258 986 506	690	4

Toledo

1L2	05.91 - 06.96	2E	4	2.0	w/o catalytic converter	● 0 258 003 829	0 258 986 503	1105	4	
		Chass.no→1L...ZD320 000	4	2.0	05.91 - 02.94	w/catalytic converter	● 0 258 003 331	0 258 986 502	510	3
		Chass.no 1L...ZD320 001→	4	2.0	03.94 - 06.96	w/catalytic converter	● 0 258 003 267	0 258 986 503	610	4



S



SEAT

1L2	03.94 - 03.99	ABF									
			Chass.no →1L..ZR020 000	4	2.0	03.94 - 12.94	●	0 258 003 267	0 258 986 503	610	4
			Chass.no 1L..ZR023 558→	4	2.0	01.95 - 03.99	●	0 258 003 584	0 258 986 506	690	4
	03.96 - 03.99	AGG		4	2.0	w/catalytic converter	●	0 258 003 548	0 258 986 503	910	4
						w/o catalytic converter	●	0 258 003 868	0 258 986 503	690	4

SKODA

Fabia 1.4 TSI Combi RS

5J5	05.10→	CAVE <D32>	4	1.4			●	0 258 017 178		750	5
							▲	0 258 010 036	0 258 986 602	750	4

Fabia 1.4 TSI RS

5J2	05.10→	CAVE <D32>	4	1.4			●	0 258 017 178		750	5
							▲	0 258 010 036	0 258 986 602	750	4

Octavia

1Z3	05.05→	BSE <MW6>	4	1.6			▲		0 258 986 507		
	10.05 - 10.08	BWA <D2L>	4	2.0			●	0 258 017 270		600	5
							▲	0 258 010 038	0 258 986 602	750	4
	11.05 - 10.08	BVA <D2Z>	4	2.0	Left side		●	0 258 017 012		1060	5
					Right side		▲	0 258 006 986	0 258 986 602	1290	4
							●	0 258 017 241		830	5
							▲	0 258 006 986	0 258 986 602	1290	4
	06.07 - 10.08	BZB <D67>	4	1.8	06.07 - 03.08		●	0 258 006 986		1290	4
					04.08 - 10.08		●	0 258 006 986	0 258 986 602	1290	4
	05.08→	CEGA <D93>	4	2.0			●	0 281 004 148		750	5
1Z5	05.08→	CEGA <D93>	4	2.0			●	0 281 004 148		750	5
1Z3	11.08→	CAXA <D4X>	4	1.4			●	0 258 017 178		750	5
							▲	0 258 010 036	0 258 986 602	750	4
		CDAA <D67>	4	1.8			●	0 258 017 270		600	5
							▲	0 258 010 038	0 258 986 602	750	4
		CCZA <DL2>	4	2.0			●	0 258 017 270		600	5
							▲	0 258 010 038	0 258 986 602	750	4
1Z5	11.08→	CAXA <D4X>	4	1.4			●	0 258 017 178		750	5
							▲	0 258 010 036	0 258 986 602	750	4
		CDAA <D67>	4	1.8			●	0 258 017 270		600	5
							▲	0 258 010 038	0 258 986 602	750	4
		CCZA <DL2>	4	2.0			●	0 258 017 270		600	5
							▲	0 258 010 038	0 258 986 602	750	4
1Z3	05.10→	CFHC <D91>	4	2.0			●	0 281 004 148		750	5
1Z5	05.10→	CFHC <D91>	4	2.0			●	0 281 004 148		750	5

Octavia Combi

1U5	08.00 - 12.10	AUM	4	1.8			●	0 258 007 351		1510	5
							▲	0 258 006 978	0 258 986 615	1760	4
1Z5	05.05→	BSE <MW6>	4	1.6			▲		0 258 986 507		
	10.05 - 10.08	BWA <D2L>	4	2.0			●	0 258 017 270		600	5
							▲	0 258 010 038	0 258 986 602	750	4
	11.05 - 10.08	BVA <D2Z>	4	2.0	Left side		●	0 258 017 012		1060	5
					Right side		▲	0 258 006 986	0 258 986 602	1290	4
							●	0 258 017 241		830	5
							▲	0 258 006 986	0 258 986 602	1290	4
	12.05 - 05.10	BMM <D7N>	4	2.0			●	0 281 004 148		750	5
	06.07 - 10.08	BZB <D67>	4	1.8	06.07 - 03.08		●	0 258 006 986		1290	4
					04.08 - 10.08		●	0 258 006 986	0 258 986 602	1290	4

Octavia Scout

1Z5	05.10→	CFHC <D91>	4	2.0			●	0 281 004 148		750	5
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Roomster									
5J7	05.06 - 07.10	BTS <TT0>	4	1.6		●	0 258 986 602		
						▲	0 258 986 602		

Superb									
3T4	06.08 - 05.10	CBBB <D93>	4	2.0		●	0 281 004 148	750	5
	09.08→	CDAA <D67>	4	1.8		●	0 258 017 270	600	5
						▲	0 258 010 038	0 258 986 602	750 4
	11.08→	CDVA	6	3.6	Left side	●	0 258 017 070	730	5
					Right side	▲	0 258 006 862	0 258 986 602	610 4
						●	0 258 017 068	770	5
						▲	0 258 006 895	0 258 986 602	710 4

Superb Kombi									
3T5	09.09 - 05.10	CBBB <D93>	4	2.0		●	0 281 004 148	750	5
	09.09→	CDAA	4	1.8		●	0 258 017 270	600	5
						▲	0 258 010 038	0 258 986 602	750 4
		CDVA	6	3.6	Left side	●	0 258 017 070	730	5
					Right side	▲	0 258 006 862	0 258 986 602	610 4
						●	0 258 017 068	770	5
						▲	0 258 006 895	0 258 986 602	710 4

Superb 2.0 TDI									
3T4	05.10→	CFGB	4	2.0		●	0 281 004 148	750	5

Superb 2.0 TDI Combi									
3T5	05.10→	CFGB	4	2.0		●	0 281 004 148	750	5

SMART (MCC)

FORFOUR									
454	01.04 - 06.07	135.930	4	1.3		●	0 258 006 566	0 258 986 602	478 4
						▲	0 258 006 568	0 258 986 602	348 4
		135.950	4	1.5		●	0 258 006 566	0 258 986 602	478 4
						▲	0 258 006 568	0 258 986 602	348 4
	04.05 - 06.07	122.950	4	1.5		●	0 258 006 566	0 258 986 602	478 4

FORTWO									
450	02.04 - 03.07	160.910	3	0.7		●	0 258 006 563	0 258 986 615	310 4
						▲	0 258 006 563	0 258 986 615	310 4

Roadster									
452	04.03 - 11.05	160.922	3	0.7		●	0 258 006 563	0 258 986 615	310 4
						▲	0 258 006 563	0 258 986 615	310 4

Smart									
450	01.03 - 01.04	160.920	3	0.7		●	0 258 006 563	0 258 986 615	310 4
						▲	0 258 006 563	0 258 986 615	310 4



S



SSANGYONG

Actyon									
	09.06→	D 20 DT (OM 664.951)	4	2.0		●	0 281 004 137	350	5
Kyron									
	05.05→	D 20 DT <OM 664.950>	4	2.0		●	0 281 004 137	350	5
Musso									
MJ	01.96 - 12.05	M162 E32 <M 104.>	6	3.2	w/o electronic throttle, Not EURO 2000, CEE 2000 emissions	●	0 258 003 782	0 258 986 505	347 4

SUBARU

Forester									
SF	01.97 - 07.98	EJ20J	4	2.0		●	0 258 986 502		
	03.98 - 05.02	EJ202	4	2.0	w/o cat monitoring	●	0 258 986 502		
				10.00 - 05.02	w/cat monitor	●	0 258 007 084	420	5
						▲	0 258 005 732		
		EJ205	4	2.0	03.98 - 05.00	●	0 258 986 502		
					06.00 - 08.00	●	0 258 986 502		
					09.00 - 07.01 Manual Trans.	▲	0 258 986 507		
					09.00 - 05.02 Auto Trans.	▲	0 258 986 507		
					08.01 - 05.02 Manual Trans.	▲	0 258 986 507		
	07.98 - 05.02	EJ25	4	2.5		●	0 258 007 018	460	5
SG					07.98 - 08.98	▲	F 00H L00 053	0 258 005 726	480 3
					09.98 - 08.99	●	0 258 005 726		
					09.98 - 05.02	▲	F 00H L00 122	0 258 005 732	495 4
	06.02 - 05.05	EJ251	4	2.5	06.02 - 05.03 Ascertain in vehicle	▲	F 00H L00 053	0 258 005 726	480 3
					06.03 - 05.05	▲	0 258 005 732		
S12	04.03 - 11.07	EJ255	4	2.5		▲	0 258 986 507		
	12.07→	EJ253	4	2.5		▲	0 258 986 507		
		EJ255	4	2.5	08.10→ 5spd Auto Trans.	▲	0 258 986 602		
Impreza									
	01.93 - 12.95	EJ16	4	1.6		●	F 00H L00 053	0 258 005 726	480 3
GC	01.93 - 12.95	EJ18S	4	1.8		●	F 00H L00 053	0 258 005 726	480 3
GF	01.93 - 12.95	EJ18S	4	1.8		●	F 00H L00 053	0 258 005 726	480 3
GC	01.93 - 07.96	EJ18E	4	1.8		●	F 00H L00 053	0 258 005 726	480 3
GC,GF	10.93 - 09.00	EJ16E	4	1.6		●	F 00H L00 053	0 258 005 726	480 3
	08.95 - 07.98	EJ20E	4	2.0		●	F 00H L00 053	0 258 005 726	480 3
	08.96 - 07.98	EJ16J	4	1.6		●	F 00H L00 053	0 258 005 726	480 3
GD,GG	10.00 - 06.07	EJ201	4	2.0		●	F 00H L00 053	0 258 005 726	480 3
					Ascertain in vehicle	●	0 258 005 732		
						▲	0 258 005 732		
				10.00 - 06.01	Ascertain in vehicle	●	0 258 007 084	420	5
				07.01 - 06.07	Ascertain in vehicle	●	0 258 007 084	420	5
	07.01 - 05.05	EJ251	4	2.5	Ascertain in vehicle	●	F 00H L00 053	0 258 005 726	480 3
							0 258 007 018	0 258 005 726	460 5
				09.03 - 08.04		▲	F 00H L00 186	0 258 986 507	470 4
Impreza WRX									
GC,GF	12.93 - 07.98	EJ20G	4	2.0	12.93 - 07.96	●	0 258 005 726		
	08.98 - 09.00	EJ205	4	2.0		●	0 258 986 502		
GD,GG	10.00 - 10.02	EJ205	4	2.0		▲	0 258 986 507		
				09.01 - 10.02	Auto Trans.	▲	F 00H L00 183	0 258 986 507	530 4
					Manual Trans.	▲	F 00H L00 184	0 258 986 507	625 4

											
GD,GG	06.05 - 06.07	EJ255	4	2.5	09.05 - 06.07	Auto Trans.	▲	F 00H L00 183	0 258 986 507	530	4
						Manual Trans.	▲	F 00H L00 184	0 258 986 507	625	4
Impreza WRX STi											
GD,GG	09.03 - 06.07	EJ257	4	2.5		Manual Trans.	▲	F 00H L00 184	0 258 986 507	625	4
Legacy											
	05.03 - 05.09	EJ20 (DOHC)	4	2.0			▲		0 258 986 602		
Liberty											
BC,BF,BJ	01.89 - 08.95	EJ22	4	2.2			●	F 00H L00 053	0 258 005 726	480	3
	05.92 - 12.93	EJ20G	4	2.0			●		0 258 005 726		
BD,BG	01.94 - 05.97	EJ22E	4	2.2			●	F 00H L00 053	0 258 005 726	480	3
					09.95 - 05.97	▲	0 258 003 445	0 258 986 502	470	3	
	06.96 - 11.98	EJ25D <4CAM>	4	2.5			●		0 258 005 726		
					▲	0 258 003 445	0 258 005 726	470	3		
								0 258 986 502	470	3	
BE	10.98 - 06.03	EJ251	4	2.5	10.98 - 06.00		●	F 00H L00 053	0 258 005 726	480	3
					09.99 - 08.00		▲		0 258 986 507		
						Auto Trans.	●	0 258 007 018		460	5
							▲	F 00H L00 054	0 258 986 507	470	4
					07.00 - 04.02	●	0 258 007 084		420	5	
BE,BH	10.98 - 06.03	EJ201	4	2.0	10.98 - 01.00		●	F 00H L00 053	0 258 005 726	480	3
							▲	F 00H L00 053	0 258 005 726	480	3
					02.00 - 02.02	Ascertain in vehicle	●	0 258 007 084		420	5
					02.00 - 06.03	Ascertain in vehicle	●	F 00H L00 053	0 258 005 726	480	3
									0 258 005 732	480	3
								F 00H L00 122	0 258 005 726	495	4
							▲	F 00H L00 053	0 258 005 726	480	3
									0 258 005 732	480	3
								F 00H L00 122	0 258 005 726	495	4
									0 258 005 732		
BH	10.98 - 06.03	EJ251	4	2.5			▲		0 258 005 732		
					10.98 - 06.00	●	F 00H L00 053	0 258 005 726	480	3	
					07.00 - 04.02	●	0 258 007 084		420	5	
BE,BH	05.01 - 06.03	EJ208	4	2.0			▲		0 258 986 602		
BL,BP	07.03 - 05.09	EZ30D	6	3.0	09.04 - 05.09	2 required	▲	F 00H L00 187	0 258 986 507	375	4
	09.03 - 06.06	EJ25	4	2.5			▲		0 258 986 602		
Outback											
BD,BG	06.96 - 12.99	EJ25D <4CAM>	4	2.5			●		0 258 005 726		
					09.98 - 08.99	▲		0 258 005 726			
BE,BH	10.98 - 06.03	EJ251	4	2.5	10.98 - 06.00	Ascertain in vehicle	●	F 00H L00 053	0 258 005 726	480	3
								0 258 007 018	0 258 005 726	460	5
					09.99 - 08.00		▲		0 258 986 507		
						Auto Trans.	●	0 258 007 018		460	5
							▲	F 00H L00 054	0 258 986 507	470	4
			07.00 - 04.02	●	0 258 007 084		420	5			
BL,BP	07.03 - 06.06	EJ25	4	2.5			▲		0 258 986 602		
SVX											
	09.92 - 12.96	EG33	6	3.3	09.95 - 12.96		▲	F 00H L00 053	0 258 005 726	480	3
Tribeca											
B9	04.06 - 11.07	EZ30D	6	3.0			▲		0 258 986 507		
					2 required	▲	F 00H L00 187	0 258 986 507	375	4	
W10	11.07→	EZ36D	6	3.6			▲		0 258 986 507		
					11.07 - 08.09	2 required	▲	F 00H L00 187	0 258 986 507	375	4
Vortex											
	01.86 - 12.89	EA82	4	1.8			●		0 258 986 501		





SUZUKI

Alto									
EF	10.94 - 02.02	G10B	4	1.0	●	0 258 986 501			
		Chass.no →00180000	4	1.0	●	0 258 986 501			
		Chass.no 00180001→	4	1.0	●	F 00H L00 063	0 258 986 507	560	4
AMF	12.08→	K10B	3	1.0	▲	0 258 010 155		545	4

Baleno									
	05.95 - 11.01	G16B	4	1.6	●	0 258 005 701	0 258 986 504	410	3
	09.95 - 09.05	G18A	4	1.8	●	0 258 005 701	0 258 986 504	410	3
		Chass.no *00140001→	4	1.8	●	0 258 005 729			
		*00200000							
		Chass.no *00200001→	4	1.8	●	0 258 986 507			
		Chass.no 00200001→	4	1.8	▲	0 258 986 602			
	08.96 - 11.01	G16B	4	1.6	●	0 258 986 501			
	08.96 - 08.06	G18A							
		Chass.no →00200000	4	1.8	●	0 258 005 729			
		Chass.no *00200001→	4	1.8	●	0 258 986 507			
		Chass.no 00200001→	4	1.8	▲	0 258 986 602			

Carry									
FD	03.99 - 03.09	G13B	4	1.3	●	0 258 986 602			
					▲	0 258 986 507			

Grand Vitara									
	03.98 - 12.05	J20A	4	2.0	▲	0 258 986 602			
		Chass.no	4	2.0	●	0 258 986 602			
		*A52V00100001→							
		*A52V00150000							
		Chass.no	4	2.0	●	0 258 986 507			
		*A52V00150001→							
		Chass.no	4	2.0	●	0 258 986 507			
		*B52V00150001→							
		Chass.no	4	2.0	●	0 258 986 602			
		*L52V00100001→							
		*L52V00150000							
	03.98 - 03.08	G16B							
		Chass.no →00470000	4	1.6	●	0 258 986 602			
		Chass.no 00470001→	4	1.6	●	0 258 986 507			
	10.00→	J20A	4	2.0	●	0 258 986 507			
					▲	0 258 986 602			
	06.01→	H27A	6	2.7	●	0 258 986 507			
					▲	0 258 986 602			
		Chass.no →00200000	6	2.7	▲	0 258 986 507			
		Chass.no 00200001→	6	2.7	▲	0 258 986 602			
	10.02→	H27A	6	2.7	●	0 258 986 507			
					▲	0 258 986 602			
	10.05→	F9Q	4	1.9	●	0 281 004 179		410	5

Ignis									
	10.00 - 09.03	M13A							
		Chass.no →S00170000	4	1.3	●	0 258 986 602			
	12.03 - 02.05	M15A	4	1.5	●	0 258 986 507			

Jimny									
FJ	10.98 - 10.08	G13BB	4	1.3	●	0 258 986 602			
	10.00 - 10.05	M13A							
		Chass.no →00200000	4	1.3	●	0 258 986 507			

**Liana**

03.01 - 04.08	M16A	4	1.6	▲	0 258 986 602
	Chass.no →00150000	4	1.6	●	0 258 986 602
	Chass.no 00150001→	4	1.6	●	0 258 986 507
04.02 - 12.07	M16A	4	1.6	▲	0 258 986 602
	Chass.no →00300000	4	1.6	●	0 258 986 507
	Chass.no 00300001→	4	1.6	●	0 258 986 602
04.05 - 12.07	M18A	4	1.8	●	0 258 986 507
				▲	0 258 986 602

Sierra

11.95 - 12.97	G13B (SOHC)	4	1.3	●	0 258 986 501
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Swift

SF	09.91 - 09.95	G13B	4	1.3	●	0 258 002 014	0 258 986 501	400	1
		G16B	4	1.6	●	0 258 002 014	0 258 986 501	400	1
	06.96 - 03.01	G13BA							
		Chass.no →*00250000	4	1.3	●	0 258 002 014	0 258 986 501	400	1
		Chass.no *00250001→	4	1.3	●		0 258 986 602		
EZ	11.04→	M15A	4	1.5	●		0 258 986 507		
					▲		0 258 986 602		

Swift GTi

SF	01.89 - 09.95	G13B	4	1.3	03.89 - 09.95	●	0 258 002 014	0 258 986 501	400	1
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Vitara

ET	03.88 - 11.94	G16A	4	1.6	09.88 - 11.94	●	0 258 986 501			
	02.91 - 03.98	G16B	4	1.6		● F 00HL00 063	0 258 986 501	560	4	
							0 258 986 507	560	4	
							0 258 002 014	0 258 986 501	400	1
	12.94 - 03.98	H20A	6	2.0	03.95 - 03.98	●		0 258 005 729		
		H25A	6	2.5	03.95 - 03.98	●		0 258 005 729		

Wagon R Wide

02.97 - 06.99	K10A	4	1.0	●	0 258 986 507
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X90

09.95 - 05.98	G16B	4	1.6	●	0 258 003 973	0 258 986 502	1400	3
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TOYOTA**Avalon**

MCX10R	04.00 - 06.05	1MZFE	6	3.0	●	0 258 986 606	0 258 986 602	565	4
					▲	0 258 986 606	0 258 986 602	565	4

Avensis

AZT220	07.00 - 01.03	1AZFSE	4	2.0	Right side	●	0 258 986 602		
ACM20	05.01 - 11.03	1AZFE	4	2.0	11.03 - 11.03	▲	0 258 986 602		
ACM21	10.03→	2AZFE	4	2.4	10.03 - 08.05	●	0 258 986 602		
						▲	0 258 986 602		

Camry / Vienta

SV11	03.83 - 08.86	2SELC	4	2.0		●	0 258 002 051	0 258 002 031	540	1
	03.83 - 10.86	2SEL	4	2.0		●	0 258 002 051	0 258 002 031	540	1
SV20	01.87 - 06.89	1SE	4	1.8		●	0 258 002 051	0 258 002 031	540	1
VZV21	06.88 - 02.93	2VZFE	6	2.5		●	0 258 005 711	0 258 005 728	510	4
SV22	07.89 - 06.91	3SFC	4	2.0		●	0 258 002 051	0 258 002 031	540	1
SDV10	02.93 - 03.94	5SFE	4	2.2		●	F 00HL00 196	0 258 986 501	540	1
VDV10	02.93 - 03.94	3VZFE	6	3.0		●	F 00HL00 196	0 258 986 501	540	1



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SDV10	04.94 - 06.95	5SFE	4	2.2		●	F 00H L00 196	0 258 986 501	540	1
VDV10	04.94 - 06.95	3VZFE	6	3.0		●	0 258 002 051	0 258 002 031	540	1
VCV10	07.95 - 06.97	3VZFE	6	3.0		●	F 00H L00 196	0 258 986 501	540	1
SXV10	07.95 - 04.98	5SFE	4	2.2		●	F 00H L00 196	0 258 002 031	540	1
MCV20	07.97 - 08.02	1MZFE	6	3.0		●	0 258 002 051	0 258 002 031	540	1
							0 258 986 606	0 258 986 602	565	4
SXV20	05.98 - 02.02	5SFE	4	2.2		●		0 258 002 031		
ACV36	09.02 - 05.06	2AZFE	4	2.4		▲	0 258 986 696	0 258 986 602	270	4
MCV36	09.02 - 06.06	1MZFE	6	3.0		●	0 258 986 606	0 258 986 602	565	4

Celica										
RA65	08.83 - 08.85	22REC	4	2.4		●	0 258 002 051	0 258 002 031	540	1
ST162	08.85 - 08.89	3SGEL	4	2.0		●	0 258 002 051	0 258 002 031	540	1
	08.86 - 08.89	3SFE	4	2.0		●	0 258 002 051	0 258 002 031	540	1
ST185	10.87 - 08.93	3SGTE	4	2.0	10.87 - 08.89	●	0 258 005 711	0 258 005 728	510	4
ST184	10.89 - 09.94	5SFE	4	2.2	09.93 - 09.94	▲	F 00H L00 159	F 00H L00 091	440	2
	10.89 - 09.97	5SFE	4	2.2		●	0 258 002 051	0 258 002 031	540	1
					10.89 - 08.93	▲	0 258 002 200	0 258 002 210	631	2
					09.93 - 09.97	▲	F 00H L00 159	F 00H L00 091	440	2
ST204	11.93 - 08.99	5SFE	4	2.2		●		0 258 002 031		
ST205	02.94 - 08.99	3SGTE	4	2.0		●	0 258 002 051	0 258 002 031	540	1
ST202	08.94 - 05.99	3SGE	4	2.0	08.94 - 12.95	●		0 258 986 617		
ZZT231	08.00 - 08.05	2ZZGE	4	1.8		●		0 258 986 602		

Corolla										
	01.70 - 10.78	3K	4	1.2	cyls. 1 - 3	●		0 258 986 602		
					cyls. 4 - 6	●		0 258 986 602		
AE71	09.82 - 12.85	4AC	4	1.6		●	0 258 002 051	0 258 002 031	540	1
AE82	05.83 - 08.87	4AC	4	1.6		●	0 258 002 051	0 258 002 031	540	1
	01.86 - 12.88	4AGE	4	1.6		●	0 258 002 051	0 258 002 031	540	1
	09.86 - 08.88	4AGELC	4	1.6	09.86 - 08.87	●	0 258 002 051	0 258 002 031	540	1
AE92	05.87 - 06.91	4AGE	4	1.6		●		0 258 002 031		
	01.88 - 04.92	4AFE	4	1.6		●	0 258 002 051	0 258 002 031	540	1
AE93	08.89 - 05.91	4AGE	4	1.6		●	0 258 002 051	0 258 002 031	540	1
AE94	01.91 - 12.92	4AFE	4	1.8		●	0 258 002 051	0 258 002 031	540	1
AE92	06.91 - 08.92	4AGE	4	1.6		●	0 258 002 051	0 258 002 031	540	1
	07.91 - 06.94	4AFE	4	1.6		●	0 258 002 051	0 258 002 031	540	1
AE94	07.91 - 06.94	4AFE	4	1.6		●	0 258 002 051	0 258 002 031	540	1
AE96	10.92 - 06.94	7AFE	4	1.8		●	0 258 002 051	0 258 002 031	540	1
AE102	11.92 - 05.95	7AFE	4	1.8		●	0 258 002 201	0 258 002 210	631	2
							0 258 986 614	0 258 002 210	300	4
AE101	07.94 - 08.98	4AFE	4	1.6		●	0 258 002 201	0 258 002 210	631	2
AE102	07.94 - 12.99	7AFE	4	1.8		●	0 258 002 201	0 258 002 210	631	2
AE101	09.94 - 04.97	4AFE	4	1.6		●	0 258 002 201	0 258 002 210	631	2
AE102	09.94 - 08.97	7AFE	4	1.8		●	F 00H L00 159	F 00H L00 091	440	2
						▲	0 258 986 613	0 258 986 602	410	4
AE112R	10.99 - 10.01	7AFE	4	1.8		●	0 258 986 614		300	4
ZZE122	12.01 - 01.06	1ZZFE	4	1.8	10.02 - 01.06	●	0 258 986 697	0 258 986 602	470	4
ZZE122G	12.01 - 01.06	1ZZFE	4	1.8	12.01 - 09.02	●		0 258 986 602		
					10.02 - 01.06	●	0 258 986 697	0 258 986 602	470	4
ZZE122R	09.02 - 04.07	1ZZFE	4	1.8		▲		0 258 986 602		
					09.02 - 09.02	●		0 258 986 602		
ZZE122	01.06 - 04.07	1ZZFE	4	1.8		●		0 258 986 602		
						▲		0 258 986 602		
ZRE152R	09.07 - 03.10	2ZRFE	4	1.8		▲		0 258 986 602		

Corolla 4WD										
AE95	02.88 - 07.95	4AFE	4	1.6		●	0 258 002 051	0 258 002 031	540	1

Cressida										
MX62	02.81 - 09.84	5ME	6	2.8		●	0 258 002 051	0 258 002 031	540	1
MX73	11.85 - 08.88	5MGE	6	2.8		●	0 258 002 051	0 258 002 031	540	1

											
MX83	09.88 - 08.92	7MGE	6	3.0			●	0 258 002 051	0 258 002 031	540	1
Crown											
MS123	09.85 - 08.87	5MGE	6	2.8			●	0 258 002 051	0 258 002 031	540	1
Echo											
NCP10	08.99 - 12.02	2NZFE	4	1.3			●	0 258 986 606	0 258 986 602	565	4
	09.99 - 02.05	2NZFE	4	1.3	09.99 - 01.05		▲		0 258 986 602		
NCP12	09.99 →	1NZFE	4	1.5			▲		0 258 986 602		
					09.99 - 08.02		●	0 258 986 606	0 258 986 602	565	4
					09.02 →		●		0 258 986 507		
NCP13	06.03 →	1NZFE	4	1.5			●		0 258 986 602		
Harrier											
ACU10W	11.00 - 02.03	2AZFE	4	2.4	Left side		●		0 258 986 602		
ACU15W	11.00 - 02.03	2AZFE	4	2.4	Left side		●		0 258 986 602		
Hiace											
RZH113	08.89 - 02.05	2RZE	4	2.4	08.89 - 05.92		●	0 258 005 711	0 258 005 728	510	4
					06.92 - 07.95		●		0 258 005 728		
RZH103	08.93 - 02.05	2RZE	4	2.4	08.93 - 07.95		●		0 258 005 728		
RCH12R/S.B.V	08.95 - 12.03	2RZE	4	2.4			▲		0 258 986 617		
RCH22	03.97 - 12.03	2RZE	4	2.4			●		0 258 986 617		
Hiace Commuter											
RZH125B	08.98 - 07.03	2RZE	4	2.4			●		0 258 005 728		
Hilux											
RN110	09.88 - 08.97	22RE	4	2.4			●		0 258 005 728		
					09.88 - 08.91		●	0 258 005 711	0 258 005 728	510	4
					09.88 - 08.92		▲		0 258 005 728		
					09.91 - 08.92	Long cab	●	F 00H L00 090	0 258 005 728	400	4
						Short cab	●	0 258 005 704	0 258 005 728	580	4
					09.91 - 08.97		●	0 258 005 704	0 258 005 728	580	4
					09.92 - 08.97		▲	0 258 986 619	0 258 986 617	400	4
VZN130	08.89 - 11.95	3VZE	6	3.0	08.89 - 08.91		●	0 258 005 711	0 258 005 728	510	4
					09.91 - 11.95		●	0 258 005 704	0 258 005 728	580	4
VZN210W	11.02 - 08.05	5VZFE	6	3.4			●		0 258 986 602		
TGN26R	06.05 →	2TR-FE <VTi>	4	2.7			▲		0 258 986 602		
Hilux Surf											
RZN185W	11.95 - 11.02	3RZFE	4	2.7	01.02 - 11.02		●		0 258 986 602		
Kluger											
GSU40R	09.07 →	2GRFE	6	3.5	Front		▲		0 258 986 602		
GSU45R	09.07 →	2GRFE	6	3.5	Front		▲		0 258 986 602		
Land Cruiser											
RJ70	12.88 - 04.96	22RE	4	2.4	12.88 - 12.89		●	0 258 005 711	0 258 005 728	510	4
FJ80	01.90 - 08.92	3FE	6	4.0			●	0 258 005 711	0 258 005 728	510	4
FZJ80	08.92 - 01.98	1FZFE	6	4.5			●		0 258 986 617		
UZJ100W	01.98 - 08.07	2UZFE	8	4.7	01.98 - 04.06	2 required	▲		0 258 986 617		
UZJ100	01.98 - 07.08	2UZFE	8	4.7	Front		●		0 258 986 602		
					Rear		●	0 258 986 614	0 258 986 617	300	4
UZJ200	09.07 - 01.12	2UZFE	8	4.7			▲		0 258 986 602		
Land Cruiser Prado											
RZJ90W/ RZJ95W	04.96 - 09.02	3RZFE	4	2.7			●		0 258 986 617		





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VZJ90W/ VZJ95W	04.96 - 09.02	5VZFE	6	3.4	Auto Trans.	●	0 258 986 617			
		Org. E-VZJ90W, Org. GF-VZJ90W	6	3.4	Manual Trans.	●	0 258 986 617			
VZJ90/95	04.96 - 01.03	5VZFE	6	3.4		●	0 258 986 617			
RZJ90/95	10.96 - 08.04	3RZFE	4	2.7		●	0 258 986 617			
RZJ120W/ RZJ125W	09.02 - 08.04	3RZFE	4	2.7		●	0 258 986 606	0 258 986 602	565	4
GRJ120	03.03 - 08.09	1GRFE	6	4.0	03.03 - 08.04	●	0 258 986 507			
					Left side	▲	0 258 986 507			
					Right side	▲	0 258 986 602			
					09.04 - 08.09	▲	0 258 986 602			
GRJ150	08.09→	1GRFE	6	4.0	Left side	▲	0 258 986 602			

Lexcen

VN19, VN35	06.89 - 08.91	VH	6	3.8		●	0 258 002 014	0 258 986 501	400	1
VP19, VP35	09.91 - 05.93	VH	6	3.8		●	0 258 002 028	F 00H L00 091	347	2
VR19, VR35	06.93 - 04.95	VH	6	3.8		●	0 258 986 507			
VS19, VS35	05.95 - 04.97	VH	6	3.8	05.95 - 06.95	●	0 258 986 001	F 00H L00 091	570	2
					07.95 - 04.97	●	0 258 005 703	0 258 005 732	335	4

Liteace

YM30G	09.85 - 01.92	2YU	4	1.8		●	0 258 002 031			
YM40G	10.85 - 01.92	3YU	4	2.0		●	0 258 002 031			

Mark II

GX81	08.88 - 08.90	1GGZE	6	2.0		●	0 258 002 031			
GX110	10.00 - 11.04	1GFE	6	2.0		●	0 258 986 602			

MR-S

ZZW30	10.99 - 07.07	1ZZFE	4	1.8	2 required	●	0 258 986 602			
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MR2

AW11	08.87 - 12.89	4AGELC	4	1.6		●	0 258 005 711	0 258 005 728	510	4
SW20	12.89 - 08.99	3SGE	4	2.0	11.93 - 06.96	●	0 258 986 620	0 258 986 617	475	4
	09.90 - 08.95	3SGTE	4	2.0		●	F 00H L00 247	0 258 005 728	350	4
ZZW30	12.99 - 05.06	1ZZFE	4	1.8		●	0 258 986 606	0 258 986 602	565	4

Paseo

EL44	09.91 - 08.95	5EFE	4	1.5		●	0 258 002 201	0 258 002 210	631	2
EL54R	08.95 - 07.99	5EFE	4	1.5		●	0 258 986 618	0 258 986 602	400	4

Prius

NHW11	09.00 - 08.03	1NZFXE	4	1.5		●	0 258 986 606	0 258 986 602	565	4
						▲	0 258 986 602			
NHW20	09.03 - 03.09	1NZFXE	4	1.5		▲	0 258 986 602			

RAV4

SXA 11	04.94 - 08.00	3SFE	4	2.0	09.96 - 08.00	●	0 258 986 618	0 258 986 602	400	4
ACA 20/21	05.00 - 07.03	1AZFE	4	2.0	Left side	●	0 258 986 687	0 258 986 602	757	4
					Right side	●	0 258 986 602			
ACA 22/23	07.03 - 01.06	2AZFE	4	2.4		▲	0 258 986 602			
ACA33/38	11.05→	2AZFE	4	2.4		▲	0 258 986 618	0 258 986 602	400	4
GSA33/38	11.05→	2GRFE	6	3.5	Left side	▲	0 258 986 602			
					Right side	▲	0 258 986 602			

Soarer

UZZ40	04.01 - 07.05	3UZFE	8	4.3		▲	0 258 986 602			
					Left side	●	0 258 986 602			
					Right side	●	0 258 986 602			



Spacia											
YR22	10.93 - 08.96	4YEC	4	2.2		●	0 258 002 051	0 258 002 031	540	1	
SR40G	02.98 - 11.01	3SFE	4	2.0		●		0 258 986 602			
Starlet											
EP82	12.89 - 01.96	4EFTE	4	1.3		●		0 258 986 501			
EP91	01.96 - 07.99	4EFE	4	1.3		●		0 258 986 602			
		4EFTE	4	1.3		●		0 258 986 501			
Supra											
MA61	08.81 - 12.85	5ME	6	2.8		●	0 258 002 051	0 258 002 031	540	1	
MA70	01.86 - 12.90	7MGE	6	3.0		●	0 258 002 051	0 258 002 031	540	1	
	08.88 - 04.93	7MGTE	6	3.0		●		0 258 002 031			
JZA80	05.93 - 01.96	2JZGTE	6	3.0		●		0 258 986 617			
	05.93 - 08.02	2JZGE	6	3.0		●		0 258 986 602			
				09.97 - 08.02	cyls.1 & 3	▲		0 258 986 602			
		2JZGTE	6	3.0	09.93 - 08.02	●		0 258 986 617			
						▲		0 258 986 617			
Tarago											
YR31	01.86 - 04.90	4YEC	4	2.2		●	0 258 002 051	0 258 002 031	540	1	
TCR10R	05.90 - 12.00	2TZFE	4	2.4	05.90 - 01.94	●	0 258 005 704	0 258 005 728	580	4	
					02.94 - 12.00	●		0 258 986 617			
ACR30W	02.00 - 04.03	2AZFE	4	2.4	Left side Right side	●		0 258 986 602			
				●			0 258 986 602				
	04.03 - 01.06	2AZFE	4	2.4	●		0 258 986 602				
					▲		0 258 986 602				
Tercel											
AL25	09.82 - 08.88	3AC	4	1.5		●	0 258 002 051	0 258 002 031	540	1	
Yaris											
NCP91	01.05 - 12.10	1NZFE	4	1.5		▲		0 258 986 602			
NCP92	01.06→	2NZFE	4	1.3		●		0 258 986 602			
						▲		0 258 986 602			
NCP93	01.06→	1NZFE	4	1.5		●		0 258 986 602			
					09.07→	▲		0 258 986 602			
4-Runner											
YN63	08.89 - 12.90	4YE	4	2.2		●	0 258 002 051	0 258 002 031	540	1	
VZN130	01.90 - 11.95	3VZE	6	3.0	01.90 - 08.94	Front	●		0 258 005 728		
RN130	08.90 - 08.95	22RE	4	2.4	08.90 - 08.91		●	0 258 005 711	0 258 005 728	510	4
					09.91 - 08.94		●	0 258 005 704	0 258 005 728	580	4
					09.92 - 08.95		●	0 258 986 614	0 258 986 617	300	4
					09.94 - 08.95		●	F 00H L00 090	0 258 005 728	400	4
VOLVO											
C30											
	10.06 - 07.07	B5254T3	5	2.5		●	0 258 007 332		580	5	
						▲	0 258 006 682	0 258 986 602	770	4	
	10.06 - 07.10	D5244T8...	5	2.4		●	0 258 017 107		395	5	
	08.07→	B5254T7	5	2.5		●	0 258 007 332		580	5	
						▲	0 258 006 682	0 258 986 602	770	4	





◀ VOLVO

C70										
09.97 - 07.02	B5234T3	5	2.3	09.97 - 07.98	▲	0 258 005 063	0 258 986 505	685	4	
				For unleaded fuel	●	0 258 005 097	0 258 986 505	530	4	
				Suitable for leaded fuel	●	0 258 003 626	0 258 986 505	530	4	
				08.98 - 07.99	●	0 258 007 038		530	5	
				08.98 - 07.02	▲	0 258 006 197	0 258 986 615	665	4	
				08.99 - 07.02	●	0 258 007 070		1230	5	
03.99 - 07.00	B5244S	5	2.4		▲		0 258 986 507			
08.99 - 07.02	B5244T	5	2.4		●	0 258 007 070		1230	5	
08.02 - 03.06	B5234T9	5	2.3		●	0 258 017 187		500	5	
					▲	0 258 006 522	0 258 986 602	665	4	

C70 II										
03.06 - 07.07	B5254T3	5	2.5		▲	0 258 006 682	0 258 986 602	770	4	
				03.06 - 07.06	●	0 258 007 239		620	5	
				08.06 - 07.07	●	0 258 007 332		580	5	
08.07→	B5254T7	5	2.5		●	0 258 007 332		580	5	
					▲	0 258 006 682	0 258 986 602	770	4	

S40										
02.97 - 07.99	B4204S	4	2.0		●		0 258 986 507			
08.00 - 01.04	B4204T5	4	1.9		●	0 258 006 381	0 258 986 602	923	4	
	Chass.no →773028	4	1.9		▲	0 258 006 380	0 258 986 602	898	4	
	Chass.no 773029→	4	1.9	08.01 - 01.04	▲	0 258 006 464	0 258 986 602	578	4	
08.01 - 01.04	B4204T3	4	1.9		●	0 258 006 381	0 258 986 602	923	4	
	Chass.no →773028	4	1.9		▲	0 258 006 380	0 258 986 602	898	4	
	Chass.no 773029→	4	1.9		▲	0 258 006 464	0 258 986 602	578	4	
12.03 - 07.07	B5254T3	5	2.5		▲	0 258 006 682	0 258 986 602	770	4	
				12.03 - 07.06	●	0 258 007 239		620	5	
				08.06 - 07.07	●	0 258 007 332		580	5	
04.04 - 07.07	B5254T3	5	2.5	04.04 - 07.06	●	0 258 007 239		620	5	
03.06 - 07.10	D5244T8...	5	2.4		●	0 258 017 107		395	5	

S40 II										
08.07→	B5254T7	5	2.5		●	0 258 007 332		580	5	
					▲	0 258 006 682	0 258 986 602	770	4	

S60										
11.00 - 07.03	B5244T3	5	2.4	11.00 - 07.01	●	0 258 007 070		1230	5	
					▲	0 258 006 199	0 258 986 615	790	4	
				08.01 - 07.03	●	0 258 007 137		1180	5	
					▲	0 258 006 446	0 258 986 602	790	4	
11.00 - 03.04	B5234T3	5	2.3	11.00 - 07.01	●	0 258 007 070		1230	5	
					▲	0 258 006 199	0 258 986 615	790	4	
				08.01 - 03.04	●	0 258 007 137		1180	5	
				09.01 - 03.04	▲	0 258 006 446	0 258 986 602	790	4	
11.00 - 07.09	B5244S	5	2.4	11.00 - 07.01	▲		0 258 986 507			
				08.01 - 07.09	▲		0 258 986 602			
03.03 - 07.07	B5254T4	5	2.5		●	0 258 007 137		1180	5	
				03.03 - 07.04	▲	0 258 006 488	0 258 986 602	1060	4	
				08.04 - 07.07	▲	0 258 006 682	0 258 986 602	770	4	
04.04 - 07.09	B5254T2	5	2.5		●	0 258 007 137		1180	5	
				04.04 - 07.04	▲	0 258 006 488	0 258 986 602	1060	4	
				04.04 - 08.04	▲	0 258 006 488	0 258 986 602	1060	4	
				08.04 - 07.09	▲	0 258 006 682	0 258 986 602	770	4	
				09.04 - 07.09	▲	0 258 006 682	0 258 986 602	770	4	



S70										
01.97 - 07.99	B5254S	5	2.4	01.97 - 07.98		▲	0 258 005 062	0 258 986 505	1765	4
					For unleaded fuel	●	0 258 005 097	0 258 986 505	530	4
					Suitable for leaded fuel	●	0 258 003 626	0 258 986 505	530	4
	B5254T	5	2.4	01.97 - 07.98		▲	0 258 005 063	0 258 986 505	685	4
					For unleaded fuel	●	0 258 005 097	0 258 986 505	530	4
					Suitable for leaded fuel	●	0 258 003 626	0 258 986 505	530	4
				08.98 - 07.99		●	0 258 007 038		530	5
						▲	0 258 006 197	0 258 986 615	665	4
01.97 - 07.00	B5234T3	5	2.3	01.97 - 07.98		▲	0 258 005 063	0 258 986 505	685	4
					For unleaded fuel	●	0 258 005 097	0 258 986 505	530	4
					Suitable for leaded fuel	●	0 258 003 626	0 258 986 505	530	4
				08.98 - 07.99		●	0 258 007 038		530	5
				08.98 - 07.00		▲	0 258 006 197	0 258 986 615	665	4
				08.99 - 07.00		●	0 258 007 070		1230	5
08.99 - 07.00	B5244S2	5	2.4			▲		0 258 986 507		
S80										
06.98 - 07.99	B6304S3	6	2.9			●	0 258 007 036		800	5
						▲	0 258 006 427	0 258 986 602	1670	4
06.98 - 07.01	B6284T	6	2.8			●	0 258 007 036		800	5
						▲	0 258 006 427	0 258 986 602	1670	4
08.01 - 07.06	B6294T	6	2.9	08.01 - 07.02	Left side	▲	0 258 006 447	0 258 986 602	975	4
					Right side	●	0 258 007 136		1060	5
						▲	0 258 006 448	0 258 986 602	685	4
				08.02 - 07.06	Left side	●	0 258 007 135		900	5
						▲	0 258 006 524	0 258 986 602	610	4
					Right side	●	0 258 007 188		1020	5
						▲	0 258 006 523	0 258 986 602	640	4
08.03 - 07.06	B5254T2	5	2.5			●	0 258 007 137		1180	5
				08.03 - 07.04		▲	0 258 006 446	0 258 986 602	790	4
				08.04 - 07.06		▲	0 258 006 682	0 258 986 602	770	4
S80 II										
03.06 - 07.09	D5244T4	5	2.4			●	0 258 017 107		395	5
08.09 - 07.11	D5244T10	5	2.4			●	0 258 017 107		395	5
S90										
01.97 - 05.98	B6304S	6	2.9			●	0 258 005 098	0 258 986 505	1700	4
						▲	0 258 005 099	0 258 986 505	2160	4
V40										
02.97 - 07.99	B4204S	4	2.0			●		0 258 986 507		
08.01 - 04.04	B4204T3	4	1.9			●	0 258 006 381	0 258 986 602	923	4
	Chass.no →773028	4	1.9			▲	0 258 006 380	0 258 986 602	898	4
	Chass.no 773029→	4	1.9			▲	0 258 006 464	0 258 986 602	578	4
V50										
04.04 - 07.07	B5254T3	5	2.5			▲	0 258 006 682	0 258 986 602	770	4
				04.04 - 07.06		●	0 258 007 239		620	5
				08.06 - 07.07		●	0 258 007 332		580	5
04.06 - 07.10	D5244T8...	5	2.4			●	0 258 017 107		395	5
08.07→	B5254T7	5	2.5			●	0 258 007 332		580	5
						▲	0 258 006 682	0 258 986 602	770	4





◀ VOLVO

V70											
01.97 - 03.00	B5234T3	5	2.3	01.97 - 07.98		▲	0 258 005 063	0 258 986 505	685	4	
					For unleaded fuel	●	0 258 005 097	0 258 986 505	530	4	
					Suitable for leaded fuel	●	0 258 003 626	0 258 986 505	530	4	
					08.98 - 07.99	●	0 258 007 038		530	5	
					08.98 - 03.00	▲	0 258 006 197	0 258 986 615	665	4	
					08.99 - 03.00	●	0 258 007 070		1230	5	
	B5254S	5	2.4	01.97 - 07.98		▲	0 258 005 062	0 258 986 505	1765	4	
					For unleaded fuel	●	0 258 005 097	0 258 986 505	530	4	
					08.98 - 03.00	▲		0 258 986 507			
	B5254T	5	2.4	01.97 - 07.98		▲	0 258 005 063	0 258 986 505	685	4	
					For unleaded fuel	●	0 258 005 097	0 258 986 505	530	4	
					Suitable for leaded fuel	●	0 258 003 626	0 258 986 505	530	4	
					08.98 - 07.99	●	0 258 007 038		530	5	
					08.98 - 03.00	▲	0 258 006 197	0 258 986 615	665	4	
08.99 - 03.00					●	0 258 007 070		1230	5		
V70 II											
03.00 - 07.03	B5244T3	5	2.4	03.00 - 07.01		●	0 258 007 070		1230	5	
						▲	0 258 006 199	0 258 986 615	790	4	
				08.01 - 07.03		●	0 258 007 137		1180	5	
	03.00 - 07.04	B5234T3	5	2.3	03.00 - 07.01		●	0 258 007 070		1230	5
						▲	0 258 006 199	0 258 986 615	790	4	
			08.01 - 07.04		●	0 258 007 137		1180	5		
						▲	0 258 006 446	0 258 986 602	790	4	
03.00 - 07.07	B5244S	5	2.4	03.00 - 07.01		▲		0 258 986 507			
							08.01 - 07.07		▲		0 258 986 602
03.03 - 07.07	B5254T4	5	2.5			●	0 258 007 137		1180	5	
						▲	0 258 006 488	0 258 986 602	1060	4	
						▲	0 258 006 682	0 258 986 602	770	4	
04.04 - 07.07	B5254T2	5	2.5			●	0 258 007 137		1180	5	
						▲	0 258 006 488	0 258 986 602	1060	4	
						▲	0 258 006 682	0 258 986 602	770	4	
V90											
01.97 - 07.98	B6304S	6	2.9			●	0 258 005 098	0 258 986 505	1700	4	
						▲	0 258 005 099	0 258 986 505	2160	4	
XC60											
08.09 - 07.11	D5244T10	5	2.4			●	0 258 017 107		395	5	
XC60 D5 AWD											
03.09 - 07.09	D5244T4	5	2.4			●	0 258 017 107		395	5	
XC70											
08.02 - 07.07	B5254T2	5	2.5			●	0 258 007 137		1180	5	
						▲	0 258 006 488	0 258 986 602	1060	4	
							09.04 - 07.07		▲	0 258 006 682	0 258 986 602
08.04 - 07.07	B5244T4	5	2.4			●	0 258 007 137		1180	5	
							▲	0 258 006 682	0 258 986 602	770	4
08.07 - 07.09	D5244T4	5	2.4			●	0 258 017 107		395	5	
XC70 II											
08.09 - 07.11	D5244T10	5	2.4			●	0 258 017 107		395	5	
XC90											
10.02→	B5254T2	5	2.5			●	0 258 007 137		1180	5	
						▲	0 258 006 488	0 258 986 602	1060	4	
							09.04→		▲	0 258 006 682	0 258 986 602
01.03 - 07.06	B5254T2	5	2.5		01.03 - 07.04		▲	0 258 006 488	0 258 986 602	1060	4
					08.04 - 07.06		▲	0 258 006 682	0 258 986 602	770	4

		Type	Cyl.	l/ccm	Product						
01.03 - 07.06	B6294T		6	2.9			▲ 0 258 006 541	0 258 986 602	740	4	
					Left side	● 0 258 007 135			900	5	
					Right side	● 0 258 007 188			1020	5	
05.05→	D5244T4		5	2.4		● 0 258 017 043			510	5	
240 Series											
03.86 - 07.88	B230F Kat.										
	Chass.no →334099		4	2.3	Sedan	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no →808999		4	2.3	Station wagon	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no 334100→		4	2.3	Sedan	● 0 258 003 034	0 258 986 504		1700	3	
	Chass.no 809000→		4	2.3	Station wagon	● 0 258 003 034	0 258 986 504		1700	3	
08.88 - 12.91	B230F Kat.										
	Chass.no →334099		4	2.3	Sedan	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no →808999		4	2.3	Station wagon	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no 334100→		4	2.3	Sedan	● 0 258 003 034	0 258 986 504		1700	3	
	Chass.no 809000→		4	2.3	Station wagon	● 0 258 003 034	0 258 986 504		1700	3	
08.91 - 07.93	B230F										
	Chass.no →334099		4	2.3	Sedan	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no →808999		4	2.3	Station wagon	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no 334100→		4	2.3	Sedan	● 0 258 003 034	0 258 986 504		1700	3	
	Chass.no 809000→		4	2.3	Station wagon	● 0 258 003 034	0 258 986 504		1700	3	
440											
10.93 - 12.96	B20F Kat.										
	Chass.no →603473		4	2.0		● 0 258 003 060	0 258 986 502		1700	3	
	Chass.no 603474→		4	2.0		● 0 258 003 060	0 258 986 502		1700	3	
740											
08.84 - 07.89	B230ET		4	2.3		● 0 258 003 957	0 258 986 502		1236	3	
08.84 - 10.91	B230FT Kat.		4	2.3		● 0 258 003 957	0 258 986 502		1236	3	
08.84 - 07.92	B230F Kat.										
	Chass.no →176799		4	2.3	Station wagon	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no →294099		4	2.3	Sedan	● 0 258 003 957	0 258 986 502		1236	3	
	Chass.no 176800→		4	2.3	Station wagon	● 0 258 003 034	0 258 986 504		1700	3	
	Chass.no 294100→		4	2.3	Sedan	● 0 258 003 034	0 258 986 504		1700	3	
04.88 - 07.90	B234F Kat.		4	2.3		● 0 258 003 034	0 258 986 504		1700	3	
08.89 - 07.91	B230FT Kat.		4	2.3		● 0 258 003 957	0 258 986 502		1236	3	
760											
01.86 - 04.86	B28F Kat.		6	2.8		●	0 258 986 501				
05.86 - 11.90	B280F Kat.		6	2.8		● 0 258 003 034	0 258 986 504		1700	3	
760 Turbo											
01.84 - 07.84	B23FT		4	2.3		● 0 258 003 957	0 258 986 502		1236	3	
08.84 - 12.85	B230ET		4	2.3		● 0 258 003 957	0 258 986 502		1236	3	
850											
09.91 - 07.97	B5254S Kat.		5	2.4		▲ 0 258 005 062	0 258 986 505		1765	4	
					09.91 - 07.96 For leaded fuel	● 0 258 003 403	0 258 986 503		530	4	
					08.96 - 07.97 For unleaded fuel	● 0 258 005 097	0 258 986 505		530	4	
	Chass.no →70018		5	2.4	09.91 - 07.96 For unleaded fuel	● 0 258 003 222	0 258 986 506		911	4	
	Chass.no 70019→		5	2.4	09.91 - 07.96 For unleaded fuel	● 0 258 003 373	0 258 986 506		530	4	
09.92 - 07.97	B5252S Kat.										
	Chass.no 69907→		5	2.4		● F 00E 263 078			530	4	
09.93 - 07.96	B5234FT Kat.		5	2.3		● 0 258 005 097	0 258 986 505		530	4	
					09.94 - 07.96 Suitable for leaded fuel	● 0 258 003 626	0 258 986 505		530	4	
08.95 - 07.97	B5234T5		5	2.3		▲ 0 258 005 062	0 258 986 505		1765	4	
					For unleaded fuel	● 0 258 005 097	0 258 986 505		530	4	
					Suitable for leaded fuel	● 0 258 003 626	0 258 986 505		530	4	





◀VOLVO

09.95 - 07.97	B5254S Kat.	5	2.4		▲ 0 258 005 062	0 258 986 505	1765	4
				09.95 - 07.96 For leaded fuel	● 0 258 003 403	0 258 986 503	530	4
				08.96 - 07.97 For leaded fuel	● 0 258 003 626	0 258 986 505	530	4
				For unleaded fuel	● 0 258 005 097	0 258 986 505	530	4
				Chass.no →70018	● 0 258 003 222	0 258 986 506	911	4
09.96 - 07.97	B5254T Kat.	5	2.4	Chass.no 70019→	● 0 258 003 373	0 258 986 506	530	4
					▲ 0 258 005 063	0 258 986 505	685	4
				For unleaded fuel	● 0 258 003 517	0 258 986 503	530	4
				Suitable for leaded fuel	● 0 258 003 626	0 258 986 505	530	4

940								
12.90 - 07.92	B234F Kat.	4	2.3		● 0 258 003 034	0 258 986 504	1700	3
12.90 - 12.93	B230FT Kat.	4	2.3	12.90 - 08.93	● 0 258 003 957	0 258 986 502	1236	3
				09.93 - 12.93 w/EGR	● 0 258 003 376	0 258 986 502	915	3
				w/o EGR	● 0 258 003 381	0 258 986 502	915	3
06.91 - 07.95	B230F Kat.	4	2.3	06.91 - 08.93	● 0 258 003 034	0 258 986 504	1700	3
				09.93 - 07.95	● 0 258 003 380	0 258 986 504	1900	3
05.95 - 12.96	B230FK Kat.	4	2.3	05.95 - 08.96	● 0 258 003 381	0 258 986 502	915	3
				09.96 - 12.96	● 0 258 003 376	0 258 986 502	915	3

960								
09.90 - 07.91	B280F Kat.	6	2.8		● 0 258 003 034	0 258 986 504	1700	3
12.91 - 02.97	B6304FS Kat.	6	3.0		▲ 0 258 005 099	0 258 986 505	2160	4
				12.91 - 08.94	● 0 258 003 119	0 258 986 504	1700	3
				09.94 - 02.97	● 0 258 005 098	0 258 986 505	1700	4

VW (VOLKSWAGEN)

Amarok								
2H	09.10 - 05.12	CDCA <D46>	4	2.0	● 0 281 004 150		1215	5
	12.10→	CFPA <DF0>	4	2.0	● 0 258 017 178		750	5
					▲ 0 258 010 038	0 258 986 602	750	4

Amarok 2.0 TDI								
2H	09.10→	CDBA <D45>	4	2.0	09.10 - 10.10	● 0 281 004 148	750	5
					11.10→	● 0 281 004 150	1215	5

Bora										
1J2	09.98 - 02.01	AGZ	5	2.3		● 0 258 005 081	0 258 986 505	720	4	
	09.98 - 05.05	APK	4	2.0		● 0 258 006 978	0 258 986 615	1760	4	
						▲ 0 258 010 032	0 258 986 615	750	4	
						● 0 258 005 221	0 258 986 505	1140	4	
	01.99 - 02.01	AGZ	5	2.3		● 0 258 007 351		1510	5	
	01.00 - 04.01	AUE	6	2.8	Left side	▲ 0 258 006 302	0 258 986 602	1480	4	
Right side					● 0 258 007 351		1510	5		
						▲ 0 258 010 034	0 258 986 602	750	4	
1J6	05.00 - 02.01	AGZ	5	2.3		● 0 258 005 221	0 258 986 505	1140	4	
1J2	09.00 - 05.05	AQN	5	2.3	Left side	▲ 0 258 006 302	0 258 986 602	1480	4	
					Right side	▲ 0 258 010 034	0 258 986 602	750	4	
					09.00 - 04.01		● 0 258 007 351		1510	5
							▲ 0 258 006 978	0 258 986 615	1760	4
						Left side	● 0 258 007 351		1510	5
						Right side	● 0 258 007 351		1510	5
	05.01 - 05.05				● 0 258 007 361		1720	5		
					▲ 0 258 006 982	0 258 986 602	1720	4		
		Left side	● 0 258 007 361		1720	5				
		Right side	● 0 258 007 361		1720	5				

Bus								
24, 25	08.85 - 07.92	MV	4	2.1	● 0 258 003 957	0 258 986 502	1236	3



Caddy									
2K	06.04→	BGU	4	1.6		▲	0 258 986 507		
	06.05 - 08.10	BLS <D3W>	4	1.9		●	0 281 004 148	750	5
California									
7H	06.03 - 11.09	AXA <MOR>	4	2.0		▲	0 258 006 547	0 258 986 602	800 4
		Chass.no →7H..8..200 000	4	2.0	06.03 - 04.08	●	0 258 007 357		750 5
		Chass.no 7H..9..000 001→	4	2.0	05.08 - 11.09	●	0 258 007 357		750 5
Caravelle									
70, 7D	09.90 - 06.03	AAC							
		Chass.no →70..T..199 000	4	2.0	09.90 - 12.95	●	0 258 003 211	0 258 986 502	610 3
		Chass.no 70..T..200 001→	4	2.0	01.96 - 06.03	●	0 258 003 821	0 258 986 502	690 3
					w/catalytic converter	●	0 258 003 868	0 258 986 503	690 4
					w/o catalytic converter	●	0 258 003 211	0 258 986 502	610 3
					w/o catalytic converter	●	0 258 003 305	0 258 986 504	380 3
	11.90 - 12.93	AAF	5	2.5		●	0 258 003 211	0 258 986 502	610 3
					w/catalytic converter	●	0 258 003 305	0 258 986 504	380 3
					w/o catalytic converter	●	0 258 003 211	0 258 986 502	610 3
					w/o catalytic converter	●	0 258 003 305	0 258 986 504	380 3
	07.94 - 10.96	ACU	5	2.5		●	0 258 003 211	0 258 986 502	610 3
					w/catalytic converter	●	0 258 003 305	0 258 986 504	380 3
	08.96 - 06.03	AET	5	2.5		●	0 258 003 548	0 258 986 503	910 4
	05.00 - 06.03	AMV	6	2.8		●	0 258 007 351		1510 5
						▲	0 258 006 978	0 258 986 615	1760 4
7H	01.06 - 11.09	BNZ; BPC	5	2.5		●	0 281 004 150		1215 5
7E	09.09→	CCHA <D91>	4	2.0		●	0 281 004 148		750 5
Crafter 35									
2E, 2F	04.06 - 07.11	BJM <D5N>	5	2.5		●	0 281 004 148		750 5
	04.06→	BJK <D5L>; BJL <D5M>	5	2.5		●	0 281 004 148		750 5
Crafter 50									
2E, 2F	04.06 - 07.11	BJM <D5N>	5	2.5		●	0 281 004 148		750 5
	04.06→	BJK <D5L>; BJL <D5M>	5	2.5		●	0 281 004 148		750 5
Eos									
1F7	05.06 - 05.08	BMM	4	2.0		●	0 281 004 148		750 5
	05.06 - 11.10	BWA <D2L>	4	2.0		●	0 258 017 270		600 5
		Chass.no →1F..9..040 000	4	2.0	05.06 - 12.08	▲	0 258 006 986	0 258 986 602	1290 4
		Chass.no 1F..9..045 000→	4	2.0	01.09 - 11.10	▲	0 258 010 038	0 258 986 602	750 4
	05.08 - 11.09	CAWB <D2L>	4	2.0		●	0 258 006 986	0 258 986 602	1290 4
	05.08 - 11.10	CBAB <D91>	4	2.0		●	0 281 004 148		750 5
	11.09 - 11.10	CCZB <D2D>	4	2.0		●	0 258 017 270		600 5
						▲	0 258 010 038	0 258 986 602	750 4
Golf Cabriolet									
15	07.90 - 08.93	JH	4	1.8		●	0 258 001 051	0 258 986 501	500 1
Golf II									
19, 1G	07.90 - 11.92	RV	4	1.8		●	0 258 003 957	0 258 986 502	1236 3
Golf III									
1H1	04.94 - 09.94	2E	4	2.0					
					w/catalytic converter	●	0 258 003 267	0 258 986 503	610 4
					w/o catalytic converter	●	0 258 003 829	0 258 986 503	1105 4
	04.94 - 12.97	AAA	6	2.8	08.95 - 12.97	●	0 258 003 842	0 258 986 505	750 4
		Chass.no →1H..S..120 000	6	2.8	04.94 - 12.94	●	0 258 003 267	0 258 986 503	610 4
					w/catalytic converter	●	0 258 003 829	0 258 986 503	1105 4
					w/o catalytic converter	●	0 258 003 548	0 258 986 503	910 4
		Chass.no 1H..S..120 001→	6	2.8	01.95 - 07.95	●	0 258 003 868	0 258 986 503	690 4
					01.95 - 12.97	●	0 258 003 548	0 258 986 503	910 4
	10.94 - 12.97	ADY	4	2.0		●	0 258 003 868	0 258 986 503	690 4
1E7	02.95 - 07.95	ADY	4	2.0		●	0 258 003 548	0 258 986 503	910 4
	07.95 - 04.98	AGG	4	2.0		●	0 258 003 548	0 258 986 503	910 4
1H1	10.95 - 12.97	ADZ	4	1.8		●	0 258 003 759	0 258 986 507	550 4





◀ VW
Golf IV

1J1	10.97 - 10.00	AGN	4	1.8		● 0 258 005 081	0 258 986 505	720	4	
	10.97 - 05.03	AGU	4	1.8		● 0 258 005 081	0 258 986 505	720	4	
	10.97 - 05.04	AKL	4	1.6	05.02 - 05.04	● 0 258 006 978	0 258 986 615	1760	4	
		Chass.no →1J..X..132 000	4	1.6	10.97 - 08.98	Auto Trans.	● 0 258 006 215	0 258 986 615	1050	4
					Manual Trans.	● 0 258 005 079	0 258 986 505	490	4	
		Chass.no 1J..X..132 001→	4	1.6	09.98 - 04.02	● 0 258 006 978	0 258 986 615	1760	4	
	01.98 - 05.04	AEH	4	1.6	05.02 - 05.04	● 0 258 006 978	0 258 986 615	1760	4	
		Chass.no →1J..X..132 000	4	1.6	01.98 - 08.98	● 0 258 005 079	0 258 986 505	490	4	
		Chass.no 1J..X..132 001→	4	1.6	09.98 - 04.02	● 0 258 005 143	0 258 986 505	710	4	
	1E7	04.98 - 12.01	AGG	4	2.0		● 0 258 003 548	0 258 986 503	910	4
1J1	08.98 - 05.04	APK	4	2.0		● 0 258 006 978	0 258 986 615	1760	4	
						▲ 0 258 010 032	0 258 986 615	750	4	
	12.98 - 09.00	AEG								
		Chass.no →1J-X-697 002	4	2.0	12.98 - 08.99	▲ 0 258 006 213		590	4	
	09.00 - 05.04	AVU	4	1.6		● 0 258 007 351		1510	5	
					▲ 0 258 010 032	0 258 986 615	750	4		
	07.03 - 02.04	APK	4	2.0		● 0 258 006 978	0 258 986 615	1760	4	
						▲ 0 258 010 032	0 258 986 615	750	4	
1J1	10.03 - 05.04	BML	6	3.2	Left side	● 0 258 007 361		1720	5	
						▲ 0 258 006 302	0 258 986 602	1480	4	
					Right side	● 0 258 007 361		1720	5	
						▲ 0 258 010 034	0 258 986 602	750	4	

Golf V

1K1	01.04 - 05.05	BGU	4	1.6		▲	0 258 986 507		
	08.04 - 11.05	BLX	4	2.0	Left side	● 0 258 017 012		1060	5
					Right side	▲ 0 258 006 986	0 258 986 602	1290	4
						● 0 258 017 241		830	5
						▲ 0 258 006 986	0 258 986 602	1290	4
	09.04 - 11.05	AXX <TFSI>	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4
	12.04 - 11.08	BMM	4	2.0		● 0 281 004 148		750	5
	11.05 - 05.07	BUB	6	3.2	Left side	● 0 258 017 180		1220	5
					Right side	▲ 0 258 010 036	0 258 986 602	750	4
						● 0 258 017 176		750	5
						▲ 0 258 010 036	0 258 986 602	750	4
	11.05 - 11.08	BLG							
		Chass.no →1K..6..250 000	4	1.4	11.05 - 05.06	● 0 258 006 986	0 258 986 602	1290	4
		BVY	4	2.0	Left side	● 0 258 017 012		1060	5
					Left side,Front	▲ 0 258 006 986	0 258 986 602	1290	4
					Rear	▲ 0 258 006 986	0 258 986 602	1290	4
					Right side	● 0 258 017 241		830	5
					Right side,Front	▲ 0 258 006 986	0 258 986 602	1290	4
1K5	05.07 - 03.09	BWA <TFSI>	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 006 986	0 258 986 602	1290	4

Golf VI

5K1	10.08 - 11.09	CBAB <D91>	4	2.0		● 0 281 004 148		750	5
	10.08→	CAVD <D4L>; CAXA <D4X>	4	1.4		● 0 258 017 178		750	5
						▲ 0 258 010 036	0 258 986 602	750	4
	11.09→	CFFB <D91>	4	2.0		● 0 281 004 148		750	5

Golf VI GTD

5K1	11.09→	CFGB <D93>	4	2.0		● 0 281 004 148		750	5
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Golf VI GTI

5K1	04.09→	CCZB <D2D>	4	2.0		▲ 0 258 010 038	0 258 986 602	750	4
				04.09 - 04.11		● 0 258 017 270		600	5
				05.11→		● 0 258 006 986	0 258 986 602	1290	4

**Golf VI R**

5K1	11.09→	CDLC <D81>	4	2.0		▲ 0 258 006 986	0 258 986 602	1290	4
					11.09 - 04.11	● 0 258 017 270		600	5
					05.11→	● 0 258 006 986	0 258 986 602	1290	4

Golf VI Variant

AJ5	06.09→	CAXA <D4X>	4	1.4	Dual Clutch Trans., Euro 5 emissions	▲ 0 258 010 036	0 258 986 602	750	4
					Euro 4 emissions	●	0 258 986 602		
					Euro 5 emissions	● 0 258 017 178		750	5
	07.09 - 09.10	CBDA <D91>	4	2.0		● 0 281 004 148		750	5
	07.09→	CAVD <D4L>	4	1.4		● 0 258 017 178		750	5
						▲ 0 258 010 036	0 258 986 602	750	4
		CFHC <D91>	4	2.0		● 0 281 004 148		750	5

Jetta

1K2	08.05 - 11.05	BLR	4	2.0	Left side	● 0 258 017 012		1060	5
					Left side,Front	▲ 0 258 006 986	0 258 986 602	1290	4
					Rear	▲ 0 258 006 986	0 258 986 602	1290	4
					Right side	● 0 258 017 241		830	5
					Right side,Front	▲ 0 258 006 986	0 258 986 602	1290	4
	09.05 - 10.10	BWA <D2L>	4	2.0		● 0 258 006 978	0 258 986 615	1760	4
						▲ 0 258 010 038	0 258 986 602	750	4
	10.05 - 11.05	BLY	4	2.0		● 0 258 017 176		750	5
						▲ 0 258 006 986	0 258 986 602	1290	4
	10.05 - 06.08	BMM	4	2.0		● 0 281 004 148		750	5
	04.08 - 10.10	CCTA <D2L>	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4
	07.08 - 10.10	CAVD <D4L>	4	1.4		● 0 258 017 178		750	5
						▲ 0 258 010 036	0 258 986 602	750	4
		CEGA <D93>	4	2.0		● 0 281 004 148		750	5

Jetta VI

162	10.10→	CFFB <D91>	4	2.0		● 0 281 004 148		750	5
	04.11→	CAVD <D4L>	4	1.4		● 0 258 017 178		750	5
						▲ 0 258 010 036	0 258 986 602	750	4

Multivan

7H	05.03 - 11.09	BKK	6	3.2	Left side	▲ 0 258 010 036	0 258 986 602	750	4
					Right side	▲ 0 258 006 547	0 258 986 602	800	4
		Chass.no →7H..8..200 000	6	3.2	05.03 - 04.08	● 0 258 007 357		750	5
		Chass.no 7H..9..000 001→	6	3.2	05.08 - 11.09	● 0 258 007 357		750	5
	07.04 - 11.09	BKK	6	3.2	Left side	▲ 0 258 010 036	0 258 986 602	750	4
					Right side	▲ 0 258 006 547	0 258 986 602	800	4
					05.08 - 11.09	● 0 258 007 357		750	5
7E	09.09→	CAAC <D94>	4	2.0		● 0 281 004 148		750	5
		CFCA <D49>	4	2.0		● 0 281 004 150		1215	5

Multivan 4Motion

7E	09.09→	CFCA <D49>	4	2.0		● 0 281 004 150		1215	5
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New Beetle

1C1, 9C1	01.98 - 10.01	AEG	4	2.0		● 0 258 006 978	0 258 986 615	1760	4
		Chass.no →	4	2.0	01.98 - 04.99	▲ 0 258 006 213	0 258 986 615	590	4
		1C..X..460 000, →9C..X..645 560							
		Chass.no	4	2.0	05.99 - 10.01	▲ 0 258 010 032	0 258 986 615	750	4
		1C..X..460 001→, 9C..X..645 561→							
	11.98 - 06.05	AQY	4	2.0		● 0 258 006 978	0 258 986 615	1760	4
						▲ 0 258 010 032	0 258 986 615	750	4





◀ VW

1C1, 9C1	06.00 - 06.04	AWV	4	1.8		● 0 258 007 351		1510	5
						▲ 0 258 006 978	0 258 986 615	1760	4
	06.00 - 06.05	AYD	4	1.6		● 0 258 007 351		1510	5
						▲ 0 258 010 032	0 258 986 615	750	4
	10.00 - 12.10	AWU <MG8>	4	1.8		● 0 258 007 351		1510	5
						▲ 0 258 006 978	0 258 986 615	1760	4
	06.01 - 09.10	AZJ <MR4>	4	2.0		● 0 258 007 351		1510	5
						▲ 0 258 010 034	0 258 986 602	750	4
	06.02 - 12.10	BFS <MW6>	4	1.6		● 0 258 007 351		1510	5
						▲ 0 258 010 032	0 258 986 615	750	4
1Y7	01.03 - 06.06	BGD	4	2.0		● 0 258 007 351		1510	5
						▲ 0 258 010 034	0 258 986 602	750	4

New Beetle Cabriolet

1Y7	01.03 - 09.10	AZJ <MR4>	4	2.0		● 0 258 007 351		1510	5
						▲ 0 258 010 034	0 258 986 602	750	4

Passat

312,35I,3A2	07.95 - 03.97	AGG	4	2.0	w/catalytic converter	● 0 258 003 548	0 258 986 503	910	4
					w/o catalytic converter	● 0 258 003 868	0 258 986 503	690	4
	08.95 - 03.97	AAA							
		Chass.no 3A..T..000 210→	6	2.8		● 0 258 003 842	0 258 986 505	750	4
3B2	10.96 - 11.00	AEB							
		Chass.no →3B..X..360 000	4	1.8	10.96 - 12.98	● 0 258 003 740	0 258 986 505	1170	4
		Chass.no 3B..X..360 001→	4	1.8	01.99 - 11.00	● 0 258 006 978	0 258 986 615	1760	4
		AGZ	5	2.3		● 0 258 005 200	0 258 986 505	1170	
	12.96 - 01.99	ADR							
		Chass.no →3B..X..360 000	4	1.8	12.96 - 12.98	● 0 258 003 478	0 258 986 505	1010	4
		Chass.no 3B..X..360 001→	4	1.8	01.99 - 01.99	● 0 258 006 978	0 258 986 615	1760	4
	01.97 - 11.00	ACK	6	2.8		● 0 258 003 759	0 258 986 507	550	4
	06.97 - 11.00	AGZ	5	2.3		● 0 258 005 160	0 258 986 505	1370	4
		ALG	6	2.8		● 0 258 003 759	0 258 986 507	550	4
3B5	06.97 - 11.00	ACK; ALG	6	2.8		● 0 258 003 759	0 258 986 507	550	4
	09.97 - 11.00	AGZ	5	2.3		● 0 258 005 160	0 258 986 505	1370	4
						0 258 005 200	0 258 986 505	1170	
3B2	08.98 - 11.00	ANB	4	1.8		● 0 258 006 978	0 258 986 615	1760	4
						▲ 0 258 010 032	0 258 986 615	750	4
	01.99 - 11.00	APT; APU	4	1.8		● 0 258 006 978	0 258 986 615	1760	4
3B5	01.99 - 11.00	ANB	4	1.8		● 0 258 006 978	0 258 986 615	1760	4
						▲ 0 258 010 032	0 258 986 615	750	4
		APT; APU	4	1.8		● 0 258 006 978	0 258 986 615	1760	4
3B2	02.99 - 11.00	ARG	4	1.8		● 0 258 006 978	0 258 986 615	1760	4
3B5	02.99 - 11.00	ARG	4	1.8		● 0 258 006 978	0 258 986 615	1760	4
3B3	10.00 - 05.05	AWT	4	1.8		● 0 258 007 090		1200	5
						▲ 0 258 010 032	0 258 986 615	750	4
		AZX	5	2.3	10.00 - 04.02	● 0 258 007 351		1510	5
						▲ 0 258 006 259	0 258 986 615	1140	4
					05.02 - 05.05	● 0 258 007 361		1720	5
						▲ 0 258 006 982	0 258 986 602	1720	4
		AMX	6	2.8		● 0 258 006 287	0 258 986 615	630	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4
					10.00 - 04.02 Left side	▲ 0 258 003 524	0 258 986 502	440	3
					05.02 - 05.05 Left side	▲ 0 258 006 314	0 258 986 615	1450	4
		BBG	6	2.8		● 0 258 006 287	0 258 986 615	630	4
					Left side	▲ 0 258 006 314	0 258 986 615	1450	4
					Right side	▲ 0 258 010 073	0 258 986 615	1700	4
					10.00 - 04.02 Left side	▲ 0 258 003 524	0 258 986 502	440	3
					05.02 - 05.05 Left side	▲ 0 258 006 314	0 258 986 615	1450	4



3B3	05.02 - 09.04	BDN	8	4.0	Auto Trans., Left side	▲ 0 258 006 982	0 258 986 602	1720	4
					Left side	● 0 258 007 138		520	5
					Manual Trans., Left side	▲ 0 258 006 982	0 258 986 602	1720	4
					Right side	● 0 258 007 361		1720	5
						▲ 0 258 006 982	0 258 986 602	1720	4
3C2	11.05 - 02.08	BWA	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4
3C5	11.05 - 02.08	BWA	4	2.0		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4
3C2	05.08 - 07.10	BZB <D67>	4	1.8		● 0 258 006 986	0 258 986 602	1290	4
		CBAB <D91>; CBBB <D93>	4	2.0		● 0 281 004 148		750	5

Passat CC

357	08.08 - 11.10	CBBB <D93>	4	2.0		● 0 281 004 148		750	5
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Passat CC 4Motion

357	08.08 - 05.12	BWS <D34>	6	3.6	Left side	● 0 258 017 070		730	5
						▲ 0 258 006 862	0 258 986 602	610	4
					Right side	● 0 258 017 068		770	5
						▲ 0 258 006 895	0 258 986 602	710	4

Passat R36

3C2	04.07 - 07.10	BWS <D34>	6	3.6	Left side	● 0 258 017 070		730	5
						▲ 0 258 006 862	0 258 986 602	610	4
					Right side	● 0 258 017 068		770	5
						▲ 0 258 006 895	0 258 986 602	710	4

Passat R36 Variant

3C5	04.07 - 11.10	BWS <D34>	6	3.6	Left side	● 0 258 017 070		730	5
						▲ 0 258 006 862	0 258 986 602	610	4
					Right side	● 0 258 017 068		770	5
						▲ 0 258 006 895	0 258 986 602	710	4

Passat Variant

3C5	05.07 - 11.10	BZB <D67>	4	1.8		● 0 258 006 986	0 258 986 602	1290	4
	01.08 - 11.10	CBAB <D91>	4	2.0		● 0 281 004 148		750	5
	05.08 - 11.10	CBBB <D93>	4	2.0		● 0 281 004 148		750	5

Passat Variant 4Motion

3C5	11.05 - 11.10	AXZ <D6F>	6	3.2	Left side	● 0 258 017 070		730	5
						▲ 0 258 006 862	0 258 986 602	610	4
					Right side	● 0 258 017 068		770	5
						▲ 0 258 006 895	0 258 986 602	710	4

Passat 1.8 FSI

362	08.10→	CDAA <D67>	4	1.8		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4

Passat 1.8 FSI Variant

365	08.10→	CDAA <D67>	4	1.8		● 0 258 017 270		600	5
						▲ 0 258 010 038	0 258 986 602	750	4

Passat 2.0 TDI

362	08.10→	CFGB <D93>	4	2.0		● 0 281 004 148		750	5
-----	--------	------------	---	-----	--	-----------------	--	-----	---

Passat 2.0 TDI Variant

365	08.10→	CFGB <D93>	4	2.0		● 0 281 004 148		750	5
-----	--------	------------	---	-----	--	-----------------	--	-----	---





◀ VW

Passat 3.6 V6 Variant 4Motion									
365	01.11→	BWS <D34>	6	3.6	Left side	●	0 258 017 070	730	5
						▲	0 258 006 862	0 258 986 602	610 4
					Right side	●	0 258 017 068	770	5
						▲	0 258 006 895	0 258 986 602	710 4

Passat 3.6 V6 4Motion									
362	01.11→	BWS <D34>	6	3.6	Left side	●	0 258 017 070	730	5
						▲	0 258 006 862	0 258 986 602	610 4
					Right side	●	0 258 017 068	770	5
						▲	0 258 006 895	0 258 986 602	710 4

Passat 4Motion									
3C2	09.05 - 07.10	AXZ <D6F>	6	3.2	Left side	●	0 258 017 070	730	5
						▲	0 258 006 862	0 258 986 602	610 4
					Right side	●	0 258 017 068	770	5
						▲	0 258 006 895	0 258 986 602	710 4

Polo										
6N1	10.96 - 12.99	AEE	4	1.6	Manual Trans.	●	0 258 005 123	0 258 986 505	1010	4
		Chass.no 6N..T..140 001→	4	1.6	Auto Trans.	●	0 258 005 123	0 258 986 505	1010	4
6N2	01.99 - 09.01	AHW	4	1.4	Auto Trans.	●	0 258 005 143	0 258 986 505	710	4
					Manual Trans.	●	0 258 005 143	0 258 986 505	710	4
9N1	09.01 - 05.04	BBY	4	1.4		▲	0 258 986 507			
	06.03→	BCD <EA113>	4	1.6	Auto Trans.	●	0 258 010 036	0 258 986 602	750	4
						▲	0 258 006 986	0 258 986 602	1290	4
					Manual Trans.	●	0 258 005 303	0 258 986 505	320	4
9N2	07.03 - 05.07	BBY	4	1.4		▲	0 258 986 507			
9N3	04.05 - 05.07	BBZ	4	1.4		▲	0 258 986 507			
	09.05 - 11.09	BJX	4	1.8		●	0 258 007 351		1510	5
						▲	0 258 010 032	0 258 986 615	750	4
						●	0 258 986 602			
						▲	0 258 986 507			
						●	0 258 986 602			
	▲	0 258 986 602								
	08.06→	BAH <EA111>	4	1.6		●	0 258 006 980	0 258 986 615	760	4
6R1	06.09→	CGGB <D22>	4	1.4		●	0 258 986 602			
						▲	0 258 986 507			

Polo GTI									
6R1	05.10→	CAVE <D32>	4	1.4		●	0 258 017 178	750	5
						▲	0 258 010 036	0 258 986 602	750 4

Scirocco R									
137	11.09→	CDLC <D81>	4	2.0		●	0 258 017 270	600	5
						▲	0 258 010 038	0 258 986 602	750 4

Tiguan									
5N1	11.07 - 05.11	CCTA <D2L>	4	2.0		●	0 258 017 169	550	5
						▲	0 258 010 038	0 258 986 602	750 4
5N2	05.11→	CAVD <D4L>	4	1.4		●	0 258 017 178	750	5
						▲	0 258 010 036	0 258 986 602	750 4

Tiguan 4Motion									
5N1	11.07 - 11.09	CAWB <D2L>							
		Chass.no →5N..8..040 000	4	2.0	11.07 - 03.08	●	0 258 006 986	0 258 986 602	1290 4
		Chass.no 5N..8..040 001→	4	2.0	04.08 - 11.09	●	0 258 006 986	0 258 986 602	1290 4
		11.07 - 05.11	CBAB <D91>	4	2.0	●	0 281 004 148	750	5
		03.08 - 11.09	CAWA <D6G>	4	2.0	●	0 258 006 986	0 258 986 602	1290 4
		11.09 - 05.11	CCZA <D2L>; CCZC <D6G>	4	2.0	●	0 258 017 169	550	5
						▲	0 258 010 038	0 258 986 602	750 4



5N2	05.11→	CCZB <D2D>; CCZD <D64>	4	2.0	● 0 258 017 169	550	5
				▲ 0 258 010 038	0 258 986 602	750	4
		CFFB <D91>	4	2.0	● 0 281 004 148	750	5

Touareg

7LA	11.02 - 05.04	AZZ	6	3.2		Left side	● 0 258 007 357	750	5	
							▲ 0 258 006 982	0 258 986 602	1720	4
						Right side	● 0 258 007 357	750	5	
							▲ 0 258 006 557	0 258 986 602	530	4
11.02 - 11.06	AYH	Chass.no →7L..4..100 000	10	5.0	11.02 - 04.04	Left side	● 0 281 004 005	1000	5	
						Right side	● 0 281 004 003	1060	5	
		Chass.no 7L..5..000 001→	10	5.0	05.04 - 11.06	Left side	● 0 281 004 150	1215	5	
						Right side	● 0 281 004 150	1215	5	
12.02 - 11.06	AXQ	8	4.2		Left side	● 0 258 007 351	1510	5		
						▲ 0 258 006 978	0 258 986 615	1760	4	
					Right side	● 0 258 007 351	1510	5		
						▲ 0 258 006 978	0 258 986 615	1760	4	
04.03 - 11.06	BHX	8	4.2		Left side	● 0 258 007 351	1510	5		
						▲ 0 258 006 978	0 258 986 615	1760	4	
					Right side	● 0 258 007 351	1510	5		
						▲ 0 258 006 978	0 258 986 615	1760	4	
05.04 - 11.06	BMV	6	3.2		Left side	● 0 258 007 357	750	5		
						▲ 0 258 006 982	0 258 986 602	1720	4	
					Right side	● 0 258 007 357	750	5		
						▲ 0 258 006 557	0 258 986 602	530	4	
11.04 - 11.06	BKS	6	3.0		Left side	● 0 281 004 148	750	5		
						● 0 281 004 150	1215	5		
	BLE	10	5.0		Right side	● 0 281 004 150	1215	5		
08.05 - 11.06	BHK	6	3.6		Left side	● 0 258 017 178	750	5		
						▲ 0 258 010 036	0 258 986 602	750	4	
					Right side	● 0 258 017 176	750	5		
						▲ 0 258 010 036	0 258 986 602	750	4	
01.06 - 11.06	BPE	5	2.5			● 0 281 004 148	750	5		
7L6	12.06 - 05.08	BKS	6	3.0		● 0 281 004 148	750	5		
	12.06 - 05.10	BPE	5	2.5		● 0 281 004 148	750	5		
						● 0 258 017 178	750	5		
	BHK	6	3.6	Left side	● 0 258 017 178	750	5			
					▲ 0 258 010 036	0 258 986 602	750	4		
	Right side	● 0 258 017 176	750	5						
		▲ 0 258 010 036	0 258 986 602	750	4					
	BLE	10	5.0			● 0 281 004 150	1215	5		
						▲ 0 281 004 150	1215	5		
	01.08 - 05.10	CASC	6	3.0			● 0 281 004 148	750	5	
7P5	01.10 - 05.11	CASA <D50>	6	3.0		● 0 281 004 148	750	5		
	04.10→	CGRA <D3B>	6	3.6		● 0 258 017 178	750	5		
						Left side	▲ 0 258 006 986	0 258 986 602	1290	4
						Right side	▲ 0 258 010 038	0 258 986 602	750	4
05.11→	CJMA: CRCA	6	3.0			● 0 281 004 148	750	5		

Touareg R50

7L6	08.07 - 05.10	CBWA	10	5.0			● 0 281 004 150	1215	5
							▲ 0 281 004 150	1215	5

Transporter

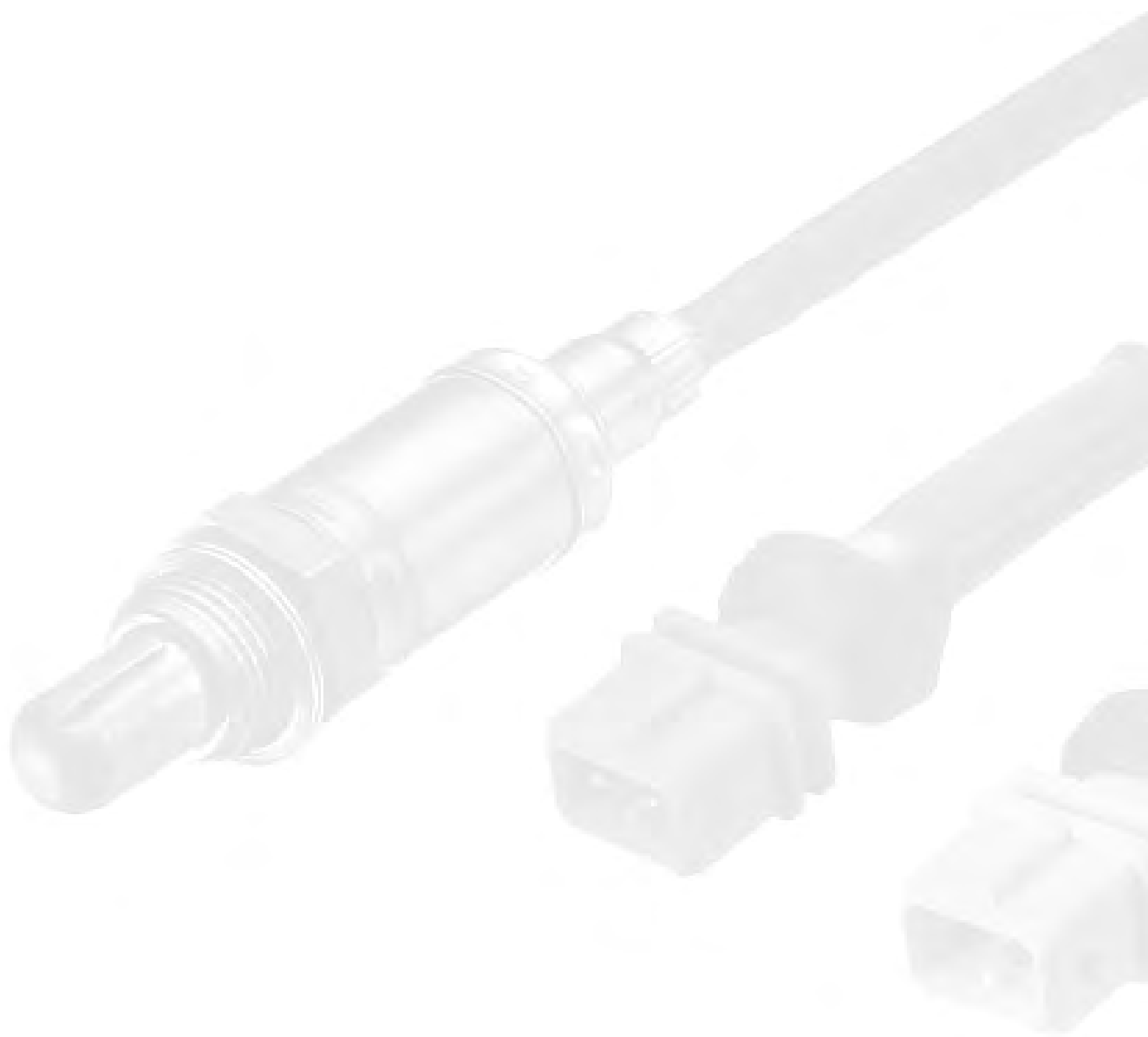
24, 25	01.83 - 07.85	DH	4	1.9			●	0 258 986 501		
							● 0 258 003 957	0 258 986 502	1236	3
70, 7D	09.90 - 06.03	AAC	4	2.0	09.90 - 12.95		● 0 258 003 211	0 258 986 502	610	3
							● 0 258 003 821	0 258 986 502	690	3
							● 0 258 003 868	0 258 986 503	690	4
			4	2.0	01.96 - 06.03	w/catalytic converter	● 0 258 003 211	0 258 986 502	610	3
							● 0 258 003 305	0 258 986 504	380	3
			5	2.5		w/o catalytic converter	● 0 258 003 211	0 258 986 502	610	3



◀ VW

70, 7D	01.94 - 10.96	ACU	5	2.5	w/catalytic converter	●	0 258 003 211	0 258 986 502	610	3
					w/o catalytic converter	●	0 258 003 305	0 258 986 504	380	3
	08.96 - 06.03	AET	5	2.5		●	0 258 003 548	0 258 986 503	910	4
7H	05.03 - 11.09	BKK	6	3.2	Left side	▲	0 258 010 036	0 258 986 602	750	4
					Right side	▲	0 258 006 547	0 258 986 602	800	4
		Chass.no →7H..8..200 000	6	3.2	05.03 - 04.08	●	0 258 007 357		750	5
		Chass.no 7H..9..000 001→	6	3.2	05.08 - 11.09	●	0 258 007 357		750	5
	06.03 - 11.09	AXA <MOR>	4	2.0		▲	0 258 006 547	0 258 986 602	800	4
		Chass.no →7H..8..200 000	4	2.0	06.03 - 04.08	●	0 258 007 357		750	5
		Chass.no 7H..9..000 001→	4	2.0	05.08 - 11.09	●	0 258 007 357		750	5
7J	06.06 - 11.09	BRS								
		Chass.no →7J..8..012 000	4	1.9	06.06 - 11.07	●	0 281 004 148		750	5
		Chass.no 7J..8..012 001→	4	1.9	12.07 - 11.09	●	0 281 004 148		750	5
7E	09.09→	CAAB <D55>; CAAC <D94>	4	2.0		●	0 281 004 148		750	5
		CFCA <D49>	4	2.0		●	0 281 004 150		1215	5
7F	09.09→	CFCA <D49>	4	2.0		●	0 281 004 150		1215	5
Vento										
1H2	07.95 - 03.97	AGG	4	2.0	w/catalytic converter	●	0 258 003 548	0 258 986 503	910	4
					w/o catalytic converter	●	0 258 003 868	0 258 986 503	690	4





 A Bosch sensor with a threaded metal body, a black cable, and a black connector.	 A Bosch sensor with a threaded metal body, a black cable, and a black connector.	 A Bosch sensor with a threaded metal body, a black cable, and a black connector.
0 258 001 051	0 258 002 014	0 258 002 028
 A Bosch sensor with a threaded metal body, a black cable, and a black connector.	 A Bosch sensor with a threaded metal body, a black cable, and a black connector.	 A Bosch sensor with a threaded metal body, a black cable, and a black connector.
0 258 002 031	0 258 002 050	0 258 002 051
 A Bosch sensor with a threaded metal body, a black cable, and a black connector.	 A Bosch sensor with a threaded metal body, a black cable, and a black connector.	 A Bosch sensor with a threaded metal body, a black cable, and a black connector.
0 258 002 053	0 258 002 054	0 258 002 200



0 258 002 201



0 258 002 210



0 258 003 003



0 258 003 004



0 258 003 005



0 258 003 008



0 258 003 011



0 258 003 012



0 258 003 016





0 258 003 034



0 258 003 037



0 258 003 038



0 258 003 045



0 258 003 046



0 258 003 048



0 258 003 049



0 258 003 060



0 258 003 074



0 258 003 078



0 258 003 119



0 258 003 130



0 258 003 134



0 258 003 141



0 258 003 146



0 258 003 156



0 258 003 160



0 258 003 189





0 258 003 193



0 258 003 203



0 258 003 211



0 258 003 218



0 258 003 222



0 258 003 229



0 258 003 239



0 258 003 256



0 258 003 267



0 258 003 273



0 258 003 275



0 258 003 277



0 258 003 300



0 258 003 305



0 258 003 309



0 258 003 313



0 258 003 314



0 258 003 320





0 258 003 326



0 258 003 330



0 258 003 331



0 258 003 365



0 258 003 369



0 258 003 373



0 258 003 376



0 258 003 380



0 258 003 381



0 258 003 383



0 258 003 390



0 258 003 396



0 258 003 403



0 258 003 418



0 258 003 427



0 258 003 429



0 258 003 439



0 258 003 441





0 258 003 445



0 258 003 448



0 258 003 461



0 258 003 475



0 258 003 477



0 258 003 478



0 258 003 503



0 258 003 504



0 258 003 505



0 258 003 508



0 258 003 513



0 258 003 517



0 258 003 523



0 258 003 524



0 258 003 542



0 258 003 548



0 258 003 559



0 258 003 561



0 258 003 564



0 258 003 571



0 258 003 577



0 258 003 584



0 258 003 597



0 258 003 626



0 258 003 640



0 258 003 642



0 258 003 645



0 258 003 653



0 258 003 668



0 258 003 672



0 258 003 673



0 258 003 703



0 258 003 705



0 258 003 714



0 258 003 716



0 258 003 717





0 258 003 718



0 258 003 719



0 258 003 721



0 258 003 723



0 258 003 740



0 258 003 746



0 258 003 748



0 258 003 749



0 258 003 751



0 258 003 752



0 258 003 754



0 258 003 759



0 258 003 782



0 258 003 786



0 258 003 792



0 258 003 798



0 258 003 806



0 258 003 810





0 258 003 819



0 258 003 820



0 258 003 821



0 258 003 823



0 258 003 829



0 258 003 842



0 258 003 855



0 258 003 862



0 258 003 864



0 258 003 868



0 258 003 870



0 258 003 897



0 258 003 915



0 258 003 918



0 258 003 924



0 258 003 925



0 258 003 926



0 258 003 930





0 258 003 950



0 258 003 957



0 258 003 973



0 258 003 995



0 258 005 005



0 258 005 062



0 258 005 063



0 258 005 074



0 258 005 079



0 258 005 081



0 258 005 083



0 258 005 088



0 258 005 090



0 258 005 092



0 258 005 094



0 258 005 097



0 258 005 098



0 258 005 099



 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.	 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.	 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.
0 258 005 109	0 258 005 123	0 258 005 135
 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.	 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.	 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.
0 258 005 139	0 258 005 143	0 258 005 160
 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.	 A black cable with a cylindrical metal connector on one end and a grey plastic connector on the other.	 A black cable with a cylindrical metal connector on one end and a black plastic connector on the other.
0 258 005 163	0 258 005 175	0 258 005 176



0 258 005 177



0 258 005 183



0 258 005 184



0 258 005 200



0 258 005 202



0 258 005 236



0 258 005 255



0 258 005 256



0 258 005 259



0 258 005 270



0 258 005 271



0 258 005 281



0 258 005 291



0 258 005 297



0 258 005 298



0 258 005 310



0 258 005 313



0 258 005 315



0 258 005 320



0 258 005 321



0 258 005 322



0 258 005 323



0 258 005 324



0 258 005 325



0 258 005 327



0 258 005 328



0 258 005 329





0 258 005 334



0 258 005 335



0 258 005 339



0 258 005 701



0 258 005 703



0 258 005 704



0 258 005 705



0 258 005 708



0 258 005 709



0 258 005 710



0 258 005 711



0 258 005 716



0 258 005 717



0 258 005 718



0 258 005 719



0 258 005 720



0 258 005 721



0 258 005 722





0 258 005 725



0 258 005 726



0 258 005 728



0 258 005 729



0 258 005 732



0 258 005 736



0 258 005 737



0 258 005 955



0 258 006 014



0 258 006 022



0 258 006 026



0 258 006 027



0 258 006 028



0 258 006 029



0 258 006 046



0 258 006 065



0 258 006 066



0 258 006 123





0 258 006 125



0 258 006 127



0 258 006 159



0 258 006 167



0 258 006 171



0 258 006 173



0 258 006 174



0 258 006 175



0 258 006 181



0 258 006 183



0 258 006 185



0 258 006 186



0 258 006 190



0 258 006 193



0 258 006 196



0 258 006 197



0 258 006 199



0 258 006 205





0 258 006 206



0 258 006 213



0 258 006 215



0 258 006 259



0 258 006 268



0 258 006 272



0 258 006 274



0 258 006 276



0 258 006 280



0 258 006 281



0 258 006 289



0 258 006 294



0 258 006 295



0 258 006 296



0 258 006 302



0 258 006 314



0 258 006 318



0 258 006 320





0 258 006 324



0 258 006 326



0 258 006 328



0 258 006 332



0 258 006 334



0 258 006 346



0 258 006 347



0 258 006 348



0 258 006 353

 0 258 006 359	 0 258 006 371	 0 258 006 375
 0 258 006 376	 0 258 006 380	 0 258 006 381
 0 258 006 386	 0 258 006 388	 0 258 006 389





0 258 006 391



0 258 006 406



0 258 006 411



0 258 006 420



0 258 006 424



0 258 006 425



0 258 006 427



0 258 006 428



0 258 006 431



0 258 006 432



0 258 006 433



0 258 006 435



0 258 006 436



0 258 006 438



0 258 006 446



0 258 006 447



0 258 006 448



0 258 006 456





0 258 006 464



0 258 006 471



0 258 006 473



0 258 006 475



0 258 006 481



0 258 006 486



0 258 006 488



0 258 006 498



0 258 006 499



0 258 006 501



0 258 006 506



0 258 006 508



0 258 006 513



0 258 006 522



0 258 006 523



0 258 006 524



0 258 006 527



0 258 006 538





0 258 006 540



0 258 006 541



0 258 006 547



0 258 006 557



0 258 006 563



0 258 006 566



0 258 006 568



0 258 006 569



0 258 006 573



0 258 006 589



0 258 006 617



0 258 006 623



0 258 006 624



0 258 006 658



0 258 006 659



0 258 006 661



0 258 006 665



0 258 006 669





0 258 006 682



0 258 006 683



0 258 006 697



0 258 006 743



0 258 006 747



0 258 006 749



0 258 006 755



0 258 006 789



0 258 006 790



0 258 006 792



0 258 006 793



0 258 006 794



0 258 006 795



0 258 006 796



0 258 006 797



0 258 006 808



0 258 006 809



0 258 006 810





0 258 006 824



0 258 006 825



0 258 006 826



0 258 006 835



0 258 006 862



0 258 006 864



0 258 006 891



0 258 006 893



0 258 006 895



0 258 006 910



0 258 006 915



0 258 006 916



0 258 006 925



0 258 006 927



0 258 006 953



0 258 006 962



0 258 006 965



0 258 006 971



		
0 258 006 977	0 258 006 978	0 258 006 980
		
0 258 006 982	0 258 006 984	0 258 006 986
		
0 258 006 988	0 258 006 993	0 258 007 001



0 258 007 018



0 258 007 036



0 258 007 038



0 258 007 044



0 258 007 049



0 258 007 070



0 258 007 084



0 258 007 090



0 258 007 135





0 258 007 136



0 258 007 137



0 258 007 138



0 258 007 142



0 258 007 143



0 258 007 144



0 258 007 146



0 258 007 149



0 258 007 156

 0 258 007 157	 0 258 007 158	 0 258 007 160
 0 258 007 161	 0 258 007 174	 0 258 007 176
 0 258 007 185	 0 258 007 188	Picture unavailable 0 258 007 200



 A black cable with a multi-pin connector on one end and a single-pin connector on the other.	 A grey cable with a multi-pin connector on one end and a single-pin connector on the other.	 A black cable with a multi-pin connector on one end and a single-pin connector on the other.
0 258 007 204	0 258 007 208	0 258 007 235
 A black cable with a multi-pin connector on one end and a single-pin connector on the other.	 A black cable with a multi-pin connector on one end and a single-pin connector on the other.	 A black cable with a multi-pin connector on one end and a single-pin connector on the other.
0 258 007 237	0 258 007 239	0 258 007 240
 A black cable with a multi-pin connector on one end and a single-pin connector on the other.	 A grey cable with a multi-pin connector on one end and a single-pin connector on the other.	 A black cable with a multi-pin connector on one end and a single-pin connector on the other.
0 258 007 254	0 258 007 255	0 258 007 256



0 258 007 264



0 258 007 272



0 258 007 273



0 258 007 274



0 258 007 276



0 258 007 278



0 258 007 290



0 258 007 320



0 258 007 324





0 258 007 326



0 258 007 328



0 258 007 330



0 258 007 332



0 258 007 338



0 258 007 351



0 258 007 353



0 258 007 357



0 258 007 359



0 258 007 361



0 258 007 363



0 258 010 032



0 258 010 034



0 258 010 036



0 258 010 038



0 258 010 046



0 258 010 073



0 258 017 001





0 258 017 012



0 258 017 014



0 258 017 016



0 258 017 020



0 258 017 025



0 258 017 028



0 258 017 029



0 258 017 036



0 258 017 038



0 258 017 043



0 258 017 049



0 258 017 051



0 258 017 052



0 258 017 068



0 258 017 070



0 258 017 080



0 258 017 082



0 258 017 086





0 258 017 092



0 258 017 093



0 258 017 098



0 258 017 099



0 258 017 101



0 258 017 102



0 258 017 107



0 258 017 108



0 258 017 111



0 258 017 112



0 258 017 121

Picture
unavailable

0 258 017 123



0 258 017 124



0 258 017 126



0 258 017 130



0 258 017 131



0 258 017 137



0 258 017 176



0 258 017 178



0 258 017 180



0 258 017 182



0 258 017 187



0 258 017 209



0 258 017 217



0 258 017 241



0 258 104 002



0 258 104 004



0 258 104 007



0 258 986 001



0 258 986 007



0 258 986 501



0 258 986 502



0 258 986 503



0 258 986 504



0 258 986 505



0 258 986 506





0 258 986 507



0 258 986 601



0 258 986 602



0 258 986 603



0 258 986 604



0 258 986 605



0 258 986 606



0 258 986 607



0 258 986 611

 0 258 986 612	 0 258 986 614	 0 258 986 615
 0 258 986 617	 0 258 986 618	 0 258 986 619
 0 258 986 620	 0 258 986 623	 0 258 986 625





0 258 986 627



0 258 986 633



0 258 986 635



0 258 986 641



0 258 986 646



0 258 986 647



0 258 986 663



0 258 986 676



0 258 986 681



0 258 986 683



0 258 986 690



0 258 986 697



0 281 004 003



0 281 004 005



0 281 004 018



0 281 004 019



0 281 004 026



0 281 004 027

		
0 281 004 028	0 281 004 040	0 281 004 044
		
0 281 004 046	0 281 004 066	0 281 004 079
		
0 281 004 148	0 281 004 150	F 00E 261 264



F 00E 262 888



F 00E 263 076



F 00E 263 078



F 00H L00 006



F 00H L00 016



F 00H L00 020



F 00H L00 030



F 00H L00 034



F 00H L00 036





F 00H L00 038



F 00H L00 044



F 00H L00 048



F 00H L00 049



F 00H L00 050



F 00H L00 052



F 00H L00 053



F 00H L00 054



F 00H L00 063



F 00H L00 065



F 00H L00 090



F 00H L00 091



F 00H L00 093



F 00H L00 102



F 00H L00 111



F 00H L00 120



F 00H L00 122



F 00H L00 129



		
F 00H L00 130	F 00H L00 141	F 00H L00 151
		
F 00H L00 156	F 00H L00 159	F 00H L00 170
		
F 00H L00 172	F 00H L00 180	F 00H L00 181



F 00H L00 183



F 00H L00 186



F 00H L00 187



F 00H L00 196



F 00H L00 207



F 00H L00 210



F 00H L00 222



F 00H L00 223



F 00H L00 238





F 00H L00 240



F 00H L00 247



F 00H L00 305







Notes

[illegible]



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