



LAMBDA SENSORS

Air-Fuel Ratio

Wide Band

Planar

Titania

2005-2001	2.5 L6	M54	Cyl 1-3	250-24611
			Cyl 4-6	250-24611
2006	3.0 L6	N52	Cyl 1-3	250-25018
			Cyl 4-6	250-25046
2006	3.0 L6	N52	Cyl 1-3	250-25042
			Cyl 4-6	250-25042
	2.0 L6	M52	Cyl 1-3	250-24611
			Cyl 4-6	250-24611
	2.0 L4	N20B20A, N28B20A	Cyl 1-3	250-25089
	2.8 L6	M52	Cyl 4-6	250-24611
1998-1996	2.8 L6	M52	Cyl 1-3	250-24810
			Cyl 4-6	250-24810
2013-2007	3.0 L6	N51B30A, N52	Cyl 1-3	250-25018
			Cyl 4-6	250-25046
328is			Cyl 1-3	250-24810
1999-1996			Cyl 4-6	250-24810
328i x			Cyl 1-3	250-25089
2013	2.0 L4	N20B20A	Cyl 1-3	250-25018
2013-2009	3.0 L6	N51B30A, N52	Cyl 4-6	250-25046
328xi			Cyl 1-3	250-25018
2008-2007	3.0 L6	N51B30A, N52	Cyl 4-6	250-25046
330C			Cyl 1-3	250-25016
2006-2004	3.0 L6	M54	Cyl 4-6	250-25016
2003	3.0 L6	M54	Cyl 1-3	250-25018
2003	3.0 L6	M54	Cyl 4-6	250-25016
2002-2001	3.0 L6	M54	Cyl 1-3	250-24611
			Cyl 4-6	250-24611
330i			Cyl 1-3	250-24611
2002	3.0 L6	N52	Cyl 4-6	250-24611
2002	2.8 L6	N52	Cyl 1-3	250-25018
			Cyl 4-6	250-25046



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About Us



Walker Products began supplying the fuel system needs of the automotive industry in 1946. Today Walker is one of the largest privately owned manufacturers of fuel system components and engine management devices.

We serve major Original Equipment Manufacturers, Co-manufacturers, Rebuilders, and Retail customers in the fuel, engine management and exhaust markets worldwide.

Walker Products' offerings include Carburetor and Fuel Injection repair kits, Oxygen sensors, Exhaust Gas Temperature sensors and other engine management products such as Cam & Crank position sensors, Knock sensors, Throttle Position sensors, Mass Air Flow sensors, Manifold Absolute Pressure sensors, Engine Coolant Temperature sensors, Fuel Injectors, Fuel Pressure Regulators and much more.

We are committed to supplying products manufactured to meet or exceed OEM standards and specifications. This effort is backed by our own manufacturing, product management and engineering staff to ensure it is maintained and accurate in the production of quality parts, vehicle applications, instruction sheets and technical support.



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Our catalogues have been carefully compiled & checked with vehicle manufacturer's parts information. These catalogues are issued for your convenience, as an aid to sales. No responsibility can be assumed should some reference prove to be inaccurate. All manufacturer's names, numbers, symbols & descriptions are used for reference only. It is also not implied that any part listed is the direct product of the O. E. M. manufacturer.

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LAMBDA SENSORS...

IMPROVED
ENGINE
RESPONSE &
PERFORMANCE

LOWER
EMISSIONS

IMPROVED FUEL
ECONOMY

LONGER
SENSOR LIFE

MEETS OEM
SPECIFICATIONS

Walker lambda sensors are precision made for outstanding performance and manufactured to meet and exceed all original equipment specification and test requirements.

**100% OEM
QUALITY**

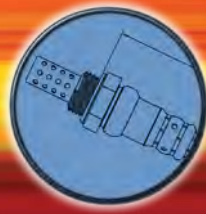


The lambda sensor is a device which determines the oxygen content of the exhaust gas. Since the amount of oxygen in the exhaust gas is a very good indicator of combustion efficiency, it is also the best place to monitor the air-fuel ratio.

Located in the exhaust system, the lambda sensor produces a voltage proportional to the amount of oxygen in the exhaust versus the air (<150mV lean & > 750mV rich). This data is used to control the air-fuel mixture through PORT or TFI injectors and carburetors. Sensors are monitored or checked anywhere from 4 to 100 times per second. The air-fuel mixture is thus always moving from rich to lean averaging very close to stoichiometric (ideal) ratios.

The ceramic sensor body is contained in a housing which protects it against mechanical effects and facilitates mounting. The ceramic body is made of stabilized zirconium dioxide (zirconia). Its surfaces are coated with electrodes made of a gas-permeable platinum layer. In addition, a porous ceramic coating has been applied to the side exposed to the exhaust gas. This coating prevents contamination and erosion of the electrode surfaces by combustion residue and particulates in the exhaust gases.

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CATALOGUE GUIDE

HOW TO USE THIS CATALOGUE

The Walker lambda sensor catalogue contains five reference sections including:

PROGRAM GUIDE:

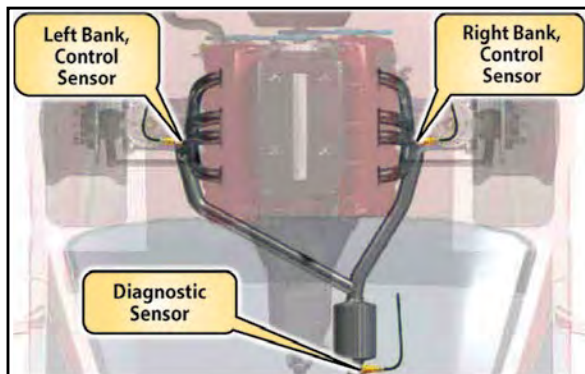
The Program Guide contains a complete direct fit part number listing and information relevant to the design of that part. The universal cross-reference is also part of this guide.

BUYER'S GUIDE:

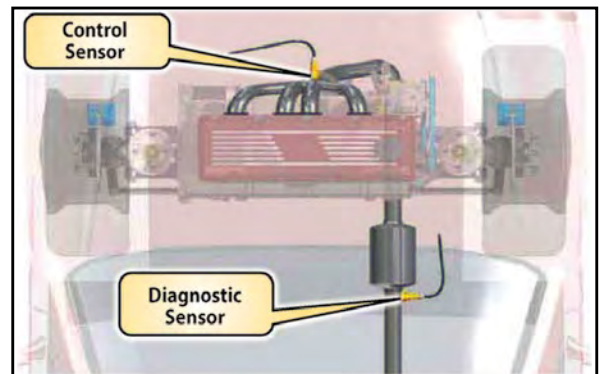
The Universal and Direct Fit Buyer's Guide contains lambda sensor technical line drawings that include the length of the sensor in millimeters.

APPLICATION GUIDE:

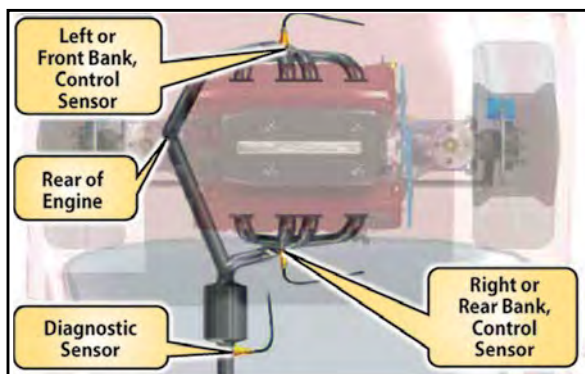
The Application Guide is consolidated by make, model year, engine size, etc. Specific vehicle information is required including engine type and location of the lambda sensor. The illustrations below should assist with terms, determining engine type and typical locations related to common engine mounting configurations.



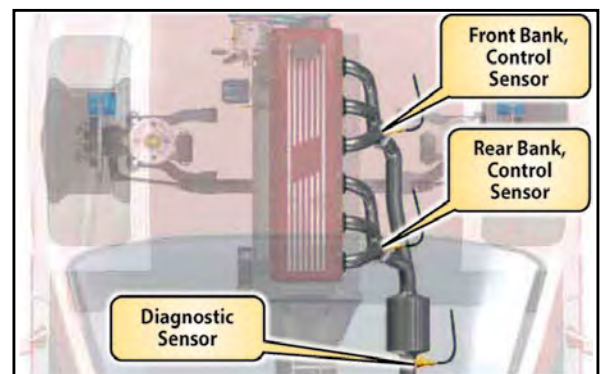
V6 & V8 IN-LINE *



4 & 6 CYLINDER TRANSVERSE *



V6 & V8 - TRANSVERSE *



4 & 6 CYLINDER IN-LINE *

*The illustrations above represent typical engine mounting configurations. There are many variations depending on make and model. The buyer should take care to choose the correct sensor for a specific application location.

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TECHNICAL RECOMMENDATIONS

MALFUNCTIONING AND FAILED SENSORS

Lambda sensors can fail when the sensor's ceramic element is exposed to certain types of silicone compounds or when an oil-burning engine leads to the sensor becoming oil-fouled. Also, a small amount of tetra-ethyl lead in the gasoline can kill a lambda sensor. Over-the-counter fuel additives, which are not "lambda sensor safe" can also kill a lambda sensor.

Failures can occur either instantaneously at the time the contaminant contacts the lambda sensor, causing a dead sensor, or gradually over a period of time. Gradual deterioration results in a "slow" sensor which does not react as quickly as it should, causing the catalytic converter to perform less efficiently. This can lead to premature failure of the catalytic converter.

"Slow" lambda sensors can cause a drop in fuel economy of 10-15% and cause excessive exhaust emissions and poor drivability. Unfortunately, the symptoms of a "slow" lambda sensor are not always obvious to the vehicle owner, unless the vehicle fails an emissions test, a decline in fuel economy is noticed, or drivability problems occur.

A "dead" sensor can be detected with a relatively inexpensive digital volt-ohmmeter. A "slow" sensor can only be diagnosed by using a digital oscilloscope or scope meter. Most installers will probably not be able to spot a lambda sensor problem until it is too late, and the catalytic converter is already well on its way to failure.

PREVENTIVE MAINTENANCE

One-wire and two-wire "unheated" type lambda sensors should be checked or replaced every 50,000 km. These sensors rely solely on hot exhaust gas to heat up to operating temperature, and are designed to allow a large volume of exhaust gas to make contact with the active ceramic element. These sensors are exposed to contamination, especially the "wide-slot" varieties found on Chrysler, Ford and General Motors vehicles.

"Heated" type lambda sensors have a built-in heater which heats the sensors. Much less exhaust gas needs to contact the ceramic element, making these sensors less prone to contamination.

"Heated" type sensors can also be located further downstream (closer to the catalytic converter) which increases their life expectancy. "Heated" type lambda sensors should be checked or replaced every 100,000 km.



DIAGNOSTIC TROUBLE CODES

DTC CODES

When lambda sensor failure occurs, a DTC (Diagnostic Trouble Code) is recorded in the ECU (Engine Control Unit) and a MIL (Malfunction Indicator Lamp) is illuminated on the dash, alerting the driver the vehicle has a problem.

To diagnose the fault, a code reader or scan tool is connected to the vehicle to read the trouble code. The scan tools can vary in the display of information shown. Some show a definition for the code, while others show only a trouble code number. There are generic or standard OBDII codes and vehicle manufacturers use additional codes called enhanced or OEM-specific codes. On many older (pre-1995) vehicles, a trouble code or DTC can be read without a scan tool or code reader by using a manual flash code procedure.

When using a list of DTC trouble codes and you have identified the description, the next step is to diagnose the fault. You must follow the diagnostic procedure to properly diagnose the system, sensor and/or circuit.

THE TROUBLE CODE BY ITSELF DOES NOT TELL YOU WHICH PART TO REPLACE.

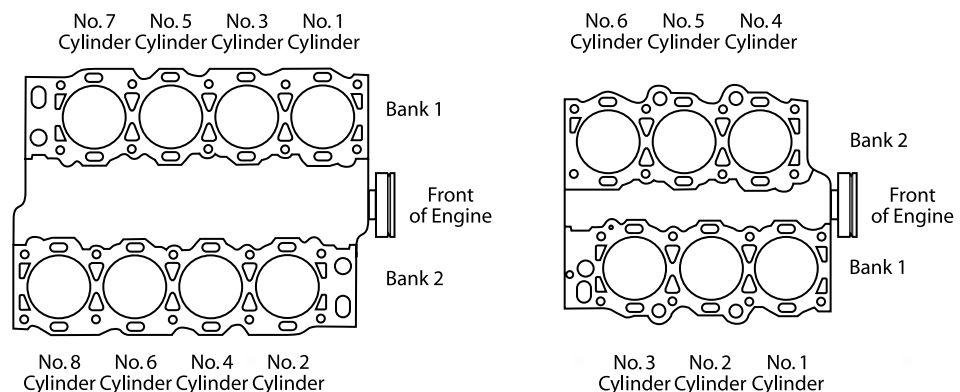
The scan tools or code readers speak OBD II language, meaning the references to the engine are coded.

B1 = Bank 1, B2 = Bank 2. When applying OBD II to lambda sensors, the codes would then read B1S1. This refers to Bank 1, Sensor 1.

Finding Bank 1 is not difficult. The front of the engine will have the accessory pulleys and drive belts, regardless of orientation in the engine compartment. Bank 1, containing cylinder #1, is always the most forward cylinder on the block. There will be a visible difference in the cylinder head location. Refer to the diagrams below.

Sensor 1 will be the control position and Sensor 2 would typically be the diagnostic position. In some instances, Sensor 2 can be control making Sensor 3 diagnostic.

TYPICAL ENGINE BANK IDENTIFICATION:



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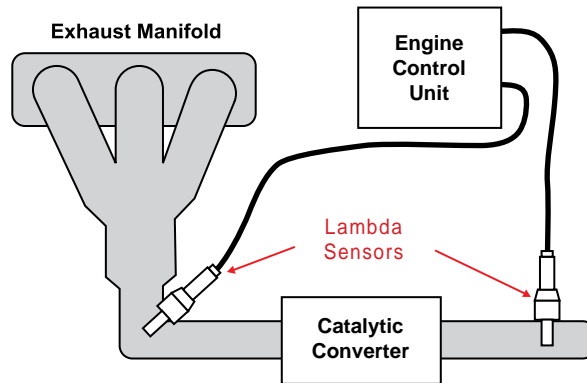


WHAT IS THE LIFE EXPECTANCY OF A LAMBDA SENSOR?

The life expectancy of a lambda sensor is approximately 50,000 km for unheated sensors and 100,000 km for heated sensors. Even under normal operating conditions, lambda sensors must endure a constant barrage of harmful exhaust gases, extreme heat and high velocity particulates. Longevity of lambda sensors in older vehicles may be reduced due to worn piston rings and valves.

Sometimes lambda sensors can become contaminated by coolant, oil or silicone particulates. Lambda sensors exposed to these contaminants will not operate as designed. Although sensors in some applications can remain serviceable up to 150,000 km, the effectiveness of lambda sensors will inevitably decrease over time.

At Walker Products, we recognize the need to keep vehicles running clean. A bad lambda sensor can cause unacceptable emissions levels, affect performance and ultimately damage the catalytic converter. Make it a point to check lambda sensors at each tune-up and replace faulty sensors with a new Walker lambda sensor.



FOR THE END USER AND REPAIR SHOPS PERFORMING A VEHICLE TUNE-UP, REMOVE THE LAMBDA SENSOR AND CHECK FOR THESE SYMPTOMS:



Lead Poisoning



Ethylene Glycol
(Antifreeze)
Contamination



Rich Fuel Mixture



Silicone Poisoning

REPLACE FOR BETTER PERFORMANCE AND A CLEANER ENVIRONMENT

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LAMBDA SENSOR HIGHLIGHTS

The Walker Products 2014 Lambda Sensor Program has the most comprehensive OE style program. Our sensors feature 100% OE Fit, Form, and Function for both Domestic and Import vehicles.

Database Coverage:

- Through the 2014 model year Walker Products has identified 37,900 lines of Lambda Sensor data for “K” type coverage for the European market.

OEM Coverage:

- The 2014 Walker Products Lambda Sensor Program cover 6,349 OE part numbers with 816 direct fit part numbers and 7 universals.

Data Completeness and Quality:

- Walker Products has consistently earned the rating of “A” Certified Data Supplier from TecDoc Information System, GmbH since first listing data with TecDoc in 2006.

Award Winning Catalogues:

- Walker Products is the recipient of the 2010 AIA “Best New Catalog For Import Cars & Trucks” award.
- Walker Products is the recipient of the 2012 bronze NCMA “President’s Award for Electronic Data Excellence.”

Award Winning Packaging:

- Walker Products is the recipient of the 2006 AAPEX “Excellence in Packaging” Award.
- Walker Products is the recipient of the 2010 AIA “Best New Catalog For Import Cars & Trucks” award.

Walker offers the most complete Lambda Sensor Program:

- Best Consolidation - Fewest Stock Keeping Units
- Best Coverage - All Makes - All Models
- Best Value - Highest Return On Investment

Featuring:

- Air Fuel Ratio Sensors
- 5-Wire Wideband Sensors
- 12 & 18 mm Titania Sensors
- Comprehensive Zirconia Sensor coverage
- Isolated and Case Ground Sensors
- FLO Sensors
- Planar Sensors
- OEM Connectors
- Diesel and Hybrid Sensors

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Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-21000	Universal	1	210	No Univ.	250-23078	Heated	3	480	No Univ.
250-21001	Unheated	1	460	250-21000	250-23079	Heated	3	1100	No Univ.
250-21005	Unheated	1	505	250-21000	250-23080	Heated	3	910	No Univ.
250-21007	Unheated	1	810	250-21000	250-23083	Heated	3	460	250-23000
250-21009	Unheated	1	480	250-21000	250-23084	Heated	3	370	250-23000
250-21010	Unheated	1	480	250-21000	250-23085	Heated	3	375	250-23000
250-21011	Unheated	1	570	250-21000	250-23086	Heated	3	520	250-23000
250-21012	Unheated	1	655	250-21000	250-23087	Heated	3	600	No Univ.
250-21013	Unheated	1	270	250-21000	250-23088	New Heated	3	450	No Univ.
250-21015	Unheated	1	925	No Univ.	250-23089	New Heated	3	450	No Univ.
250-21020	Unheated	1	555	250-21000	250-23092	Heated	3	1450	No Univ.
250-21024	Unheated	1	480	250-21000	250-23093	Heated	3	1850	No Univ.
250-21031	Unheated	1	410	250-21000	250-23094	Heated	3	350	No Univ.
250-21035	Unheated	1	555	250-21000	250-23095	Heated	3	500	250-23000
250-21037	Unheated	1	480	250-21000	250-23097	Heated	3	530	250-23000
250-21038	Unheated	1	320	250-21000	250-23100	Heated	3	1265	No Univ.
250-21039	Unheated	1	660	250-21000	250-23102	Heated	3	800	No Univ.
250-21041	Unheated	1	350	No Univ.	250-23103	Heated	3	175	No Univ.
250-21043	Unheated	1	500	No Univ.	250-23104	Heated	3	755	No Univ.
250-21044	Unheated	1	325	No Univ.	250-23106	Heated	3	885	No Univ.
250-21051	Unheated	1	350	250-21050	250-23109	Heated	3	935	No Univ.
250-21053	Unheated	1	325	250-21050	250-23113	Heated	3	425	No Univ.
250-21054	New Unheated	1	450	No Univ.	250-23121	Heated	3	390	No Univ.
250-21056	Unheated	1	505	250-21050	250-23124	Heated	3	680	No Univ.
250-21061	Unheated	1	450	250-21000	250-23126	Heated	3	575	250-23000
250-21066	Unheated	1	750	No Univ.	250-23129	Heated	3	260	No Univ.
250-21070	Unheated	1	450	No Univ.	250-23132	Heated	3	680	No Univ.
250-21072	Unheated	1	600	No Univ.	250-23133	Heated	3	680	No Univ.
250-21073	Unheated	1	600	No Univ.	250-23138	Heated	3	920	250-23000
250-21074	New Unheated	1	300	No Univ.	250-23139	Heated	3	470	No Univ.
250-22001	Unheated	2	375	250-22000	250-23141	Heated	3	420	No Univ.
250-22002	Unheated	2	650	250-22000	250-23142	Heated	3	1675	No Univ.
250-22003	New Unheated	2	480	No Univ.	250-23143	Heated	3	810	No Univ.
250-22004	Unheated	2	1110	250-22000	250-23144	Heated	3	285	No Univ.
250-22006	New Unheated	2	1110	No Univ.	250-23146	Heated	3	1225	250-23000
250-22009	Unheated	2	450	No Univ.	250-23147	Heated	3	700	250-23000
250-22010	Unheated	2	300	250-22000	250-23148	Heated	3	350	No Univ.
250-22011	Unheated	2	450	250-22000	250-23150	Heated	3	2280	No Univ.
250-22015	Unheated	2	325	No Univ.	250-23151	Heated	3	560	No Univ.
250-22052	Unheated	2	425	250-22050	250-23152	Heated	3	1200	No Univ.
250-22063	Unheated	2	375	250-22000	250-23153	Heated	3	525	No Univ.
250-22065	Unheated	2	1215	250-22000	250-23154	Heated	3	975	No Univ.
250-22066	Unheated	2	630	250-22000	250-23155	Heated	3	875	No Univ.
250-22067	New Unheated	2	450	No Univ.	250-23158	Heated	3	175	No Univ.
250-22068	New Unheated	2	450	No Univ.	250-23159	Heated	3	350	No Univ.
250-22076	Unheated	2	325	No Univ.	250-23162	Heated	3	450	No Univ.
250-22085	New Unheated	2	1125	No Univ.	250-23163	Heated	3	975	No Univ.
250-23000	Universal	3	210	No Univ.	250-23164	Heated	3	450	No Univ.
250-23002	Heated	3	275	250-23000	250-23165	Heated	3	350	No Univ.
250-23003	Heated	3	325	No Univ.	250-23166	Heated	3	1600	No Univ.
250-23004	Heated	3	390	250-23000	250-23502	Heated	3	240	250-23880
250-23005	Heated	3	325	No Univ.	250-23503	Heated	3	1800	250-23880
250-23013	Heated	3	605	No Univ.	250-23509	Heated	3	725	250-23880
250-23016	Heated	3	500	250-23000	250-23516	Heated	3	1035	No Univ.
250-23018	Heated	3	985	250-23000	250-23523	Heated	3	295	250-23880
250-23019	Heated	3	985	No Univ.	250-23802	Heated	3	520	250-23880
250-23023	Heated	3	580	No Univ.	250-23815	Heated	3	1720	250-23881
250-23024	Heated	3	550	No Univ.	250-23816	Heated	3	985	250-23881
250-23028	Heated	3	710	No Univ.	250-23819	Heated	3	555	No Univ.
250-23029	Heated	3	935	250-23000	250-23822	Heated	3	985	250-23000
250-23031	Heated	3	730	250-23000	250-23826	Heated	3	555	250-23000
250-23032	Heated	3	505	No Univ.	250-23827	Heated	3	1375	No Univ.
250-23033	Heated	3	1670	No Univ.	250-23828	Heated	3	375	250-23000
250-23034	Heated	3	1760	250-23000	250-24000	Universal	4	210	No Univ.
250-23042	Heated	3	350	No Univ.	250-24001	Heated	4	400	250-24400
250-23047	Heated	3	515	No Univ.	250-24002	Heated	4	490	No Univ.
250-23048	Heated	3	1215	No Univ.	250-24004	Heated	4	300	250-24400
250-23051	Heated	3	500	250-23050	250-24007	Heated	4	755	250-24400
250-23052	Heated	3	500	No Univ.	250-24009	Heated	4	220	250-24400
250-23060	Heated	3	730	250-23000	250-24011	Heated	4	400	No Univ.
250-23063	Heated	3	360	No Univ.	250-24012	Heated	4	375	250-24000
250-23066	Heated	3	525	No Univ.	250-24015	Heated	4	375	250-24400
250-23067	Heated	3	325	No Univ.	250-24016	Heated	4	680	250-24400
250-23069	Heated	3	1695	No Univ.	250-24018	Heated	4	375	No Univ.
250-23070	Heated	3	1875	No Univ.	250-24020	Heated	4	300	No Univ.
250-23073	Heated	3	755	No Univ.	250-24021	Heated	4	1425	No Univ.
250-23074	Heated	3	450	No Univ.	250-24023	Heated	4	1570	No Univ.
250-23075	Heated	3	275	No Univ.	250-24024	Heated	4	630	No Univ.



Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-24025	Heated	4	825	No Univ.	250-24180	Heated	4	980	No Univ.
250-24026	Heated	4	985	No Univ.	250-24181	Heated	4	400	No Univ.
250-24030	Heated	4	1225	No Univ.	250-24182	Heated	4	350	No Univ.
250-24034	Heated	4	760	No Univ.	250-24183	Heated	4	375	No Univ.
250-24035	Heated	4	505	No Univ.	250-24184	Heated	4	1470	No Univ.
250-24038	Heated	4	350	No Univ.	250-24185	Heated	4	450	No Univ.
250-24044	Heated	4	640	No Univ.	250-24186	Heated	4	425	No Univ.
250-24046	Heated	4	1010	No Univ.	250-24188	Heated	4	800	No Univ.
250-24048	Heated	4	2050	No Univ.	250-24190	Heated	4	300	No Univ.
250-24049	Heated	4	325	250-24400	250-24192	Heated	4	525	No Univ.
250-24050	Universal	4	210	No Univ.	250-24193	Heated	4	605	No Univ.
250-24051	Heated	4	375	No Univ.	250-24194	Heated	4	885	No Univ.
250-24052	Heated	4	530	250-24050	250-24197	Heated	4	765	No Univ.
250-24056	Heated	4	505	No Univ.	250-24198	Heated	4	1165	No Univ.
250-24059	Heated	4	250	No Univ.	250-24213	Heated	4	550	No Univ.
250-24060	Heated	4	520	250-24200	250-24220	Heated	4	240	No Univ.
250-24066	Heated	4	625	No Univ.	250-24224	Heated	4	580	No Univ.
250-24067	Heated	4	480	No Univ.	250-24225	Heated	4	480	No Univ.
250-24068	Heated	4	300	No Univ.	250-24226	Heated	4	705	No Univ.
250-24070	Heated	4	765	250-24400	250-24228	Heated	4	450	No Univ.
250-24074 New	Heated	4	300	No Univ.	250-24229	Heated	4	325	No Univ.
250-24076	Heated	4	600	No Univ.	250-24230	Heated	4	475	No Univ.
250-24077	Sellout/Reorder 250-24942				250-24231	Heated	4	385	No Univ.
250-24078	Sellout/Reorder 250-24942				250-24232	Heated	4	610	No Univ.
250-24080	Sellout/Reorder 250-24943				250-24233	Heated	4	470	No Univ.
250-24081	Heated	4	310	250-24400	250-24234	Heated	4	325	No Univ.
250-24083	Heated	4	615	No Univ.	250-24235	Heated	4	675	No Univ.
250-24088	Sellout/Reorder 250-24310				250-24236	Heated	4	800	No Univ.
250-24091	Heated	4	450	No Univ.	250-24237 New	Heated	4	600	No Univ.
250-24093	Heated	4	580	No Univ.	250-24239	Heated	4	585	No Univ.
250-24099	Heated	4	425	No Univ.	250-24240	Heated	4	725	No Univ.
250-24101	Heated	4	1265	No Univ.	250-24241	Heated	4	885	No Univ.
250-24102	Heated	4	910	No Univ.	250-24242	Heated	4	780	No Univ.
250-24106	Heated	4	580	250-24200	250-24244 New	Heated	4	1125	No Univ.
250-24107	Heated	4	350	250-24200	250-24245	Heated	4	550	250-24200
250-24109	Heated	4	505	No Univ.	250-24249 New	Heated	4	350	No Univ.
250-24111	Heated	4	300	No Univ.	250-24251	Heated	4	460	No Univ.
250-24112	Heated	4	375	No Univ.	250-24253	Heated	4	450	No Univ.
250-24113	Heated	4	400	No Univ.	250-24259 New	Heated	4	460	No Univ.
250-24117	Sellout/Reorder 250-24947				250-24262	Heated	4	950	No Univ.
250-24119	Heated	4	985	No Univ.	250-24263	Heated	4	350	No Univ.
250-24121	Heated	4	650	No Univ.	250-24264	Heated	4	475	No Univ.
250-24123	Heated	4	740	250-24200	250-24265 New	Heated	4	430	No Univ.
250-24125	Heated	4	555	No Univ.	250-24270	Heated	4	400	No Univ.
250-24127	Heated	4	500	250-24400	250-24271	Heated	4	375	No Univ.
250-24128	Heated	4	810	250-24400	250-24272	Heated	4	540	No Univ.
250-24130	Heated	4	660	250-24200	250-24273 New	Heated	4	310	No Univ.
250-24131	Heated	4	450	250-24200	250-24276 New	Heated	4	465	No Univ.
250-24132	Heated	4	1140	No Univ.	250-24277	Heated	4	510	250-24250
250-24133	Heated	4	890	No Univ.	250-24280	Heated	4	325	No Univ.
250-24134	Heated	4	480	No Univ.	250-24281 New	Heated	4	500	No Univ.
250-24135	Heated	4	740	No Univ.	250-24282	Heated	4	510	No Univ.
250-24137	Heated	4	750	250-24200	250-24283	Heated	4	375	No Univ.
250-24139	Heated	4	650	No Univ.	250-24284	Heated	4	920	No Univ.
250-24140	Heated	4	275	No Univ.	250-24286	Heated	4	1005	No Univ.
250-24141	Heated	4	620	No Univ.	250-24288	Heated	4	840	250-24250
250-24143	Heated	4	820	No Univ.	250-24289	Heated	4	400	No Univ.
250-24144	Heated	4	600	No Univ.	250-24291	Heated	4	525	No Univ.
250-24145	Heated	4	1695	No Univ.	250-24295	Heated	4	465	No Univ.
250-24146	Heated	4	1140	No Univ.	250-24298	Heated	4	490	250-24200
250-24147	Heated	4	740	No Univ.	250-24301	Heated	4	400	No Univ.
250-24150	Heated	4	235	No Univ.	250-24302	Heated	4	500	No Univ.
250-24151	Heated	4	350	250-24050	250-24305	Heated	4	480	250-24200
250-24152	Heated	4	800	No Univ.	250-24307	Heated	4	665	No Univ.
250-24153	Heated	4	555	250-24250	250-24308	Heated	4	375	No Univ.
250-24154	Heated	4	410	250-24250	250-24310	Heated	4	615	No Univ.
250-24156	Heated	4	325	No Univ.	250-24311	Heated	4	2325	No Univ.
250-24157	Heated	4	275	No Univ.	250-24314	Heated	4	305	No Univ.
250-24158	Heated	4	325	No Univ.	250-24315	Sellout/Reorder 250-24944			
250-24162	Heated	4	325	No Univ.	250-24322 New	Heated	4	375	No Univ.
250-24163	Heated	4	1100	No Univ.	250-24325	Heated	4	275	No Univ.
250-24167	Heated	4	525	No Univ.	250-24330	Heated	4	425	No Univ.
250-24168	Heated	4	550	No Univ.	250-24331 New	Heated	4	600	No Univ.
250-24169	Heated	4	275	No Univ.	250-24333	Heated	4	610	No Univ.
250-24170	Heated	4	925	No Univ.	250-24335	Heated	4	635	250-24200
250-24176	Heated	4	750	No Univ.	250-24336	Heated	4	750	No Univ.
250-24177	Heated	4	1750	No Univ.	250-24338	Heated	4	380	250-24200
250-24178	Heated	4	540	No Univ.	250-24341	Heated	4	400	No Univ.



Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-24343	Heated	4	480	No Univ.	250-24463	Heated	4	590	No Univ.
250-24344	New Heated	4	250	No Univ.	250-24464	Heated	4	425	No Univ.
250-24345	Heated	4	320	No Univ.	250-24465	Heated	4	500	No Univ.
250-24346	Heated	4	500	No Univ.	250-24466	Heated	4	750	No Univ.
250-24347	Heated	4	800	No Univ.	250-24468	Heated	4	900	No Univ.
250-24348	Heated	4	890	No Univ.	250-24469	Heated	4	470	No Univ.
250-24349	Heated	4	375	No Univ.	250-24470	New Heated	4	420	No Univ.
250-24353	Heated	4	1045	No Univ.	250-24473	Heated	4	350	No Univ.
250-24354	New Heated	4	760	No Univ.	250-24475	Heated	4	620	No Univ.
250-24356	Heated	4	425	No Univ.	250-24476	Heated	4	1070	No Univ.
250-24359	Heated	4	900	No Univ.	250-24478	Heated	4	1120	No Univ.
250-24360	Heated	4	350	No Univ.	250-24480	Heated	4	620	No Univ.
250-24361	Heated	4	230	No Univ.	250-24482	Heated	4	875	No Univ.
250-24362	Heated	4	950	250-24400	250-24483	Heated	4	760	No Univ.
250-24365	Heated	4	600	No Univ.	250-24485	New Heated	4	400	No Univ.
250-24366	Heated	4	465	250-24400	250-24486	Heated	4	540	No Univ.
250-24368	Heated	4	575	No Univ.	250-24487	Heated	4	340	250-24400
250-24369	Heated	4	500	250-24400	250-24489	Heated	4	350	No Univ.
250-24372	Heated	4	350	No Univ.	250-24490	Heated	4	425	250-24200
250-24378	Heated	4	335	No Univ.	250-24493	Heated	4	1500	No Univ.
250-24380	Heated	4	360	No Univ.	250-24494	Heated	4	900	No Univ.
250-24381	Heated	4	575	No Univ.	250-24495	Heated	4	465	No Univ.
250-24382	Heated	4	1495	No Univ.	250-24496	Heated	4	470	No Univ.
250-24383	Heated	4	820	No Univ.	250-24497	Heated	4	420	No Univ.
250-24384	Heated	4	440	No Univ.	250-24498	Heated	4	580	No Univ.
250-24385	Heated	4	2150	No Univ.	250-24501	Heated	4	500	No Univ.
250-24387	Heated	4	630	No Univ.	250-24505	Heated	4	730	250-24883
250-24388	Heated	4	535	No Univ.	250-24507	Heated	4	225	No Univ.
250-24389	Heated	4	310	250-24200	250-24509	New Heated	4	1050	No Univ.
250-24390	Heated	4	740	No Univ.	250-24510	Heated	4	1390	250-24882
250-24391	Heated	4	650	No Univ.	250-24512	Heated	4	530	250-24883
250-24392	Heated	4	990	No Univ.	250-24516	Heated	4	400	250-24882
250-24393	Heated	4	400	No Univ.	250-24517	Heated	4	410	250-24882
250-24394	Heated	4	870	No Univ.	250-24518	Heated	4	640	250-24882
250-24395	Heated	4	620	No Univ.	250-24519	Heated	4	270	No Univ.
250-24398	Heated	4	320	No Univ.	250-24524	Heated	4	985	No Univ.
250-24400	Universal	4	210	No Univ.	250-24526	Heated	4	1060	No Univ.
250-24403	Heated	4	480	No Univ.	250-24527	Heated	4	1240	No Univ.
250-24404	Heated	4	865	No Univ.	250-24530	Heated	4	1170	No Univ.
250-24406	Heated	4	840	250-24000	250-24531	Heated	4	630	No Univ.
250-24407	Heated	4	605	No Univ.	250-24532	New Heated	4	340	No Univ.
250-24408	Heated	4	810	No Univ.	250-24533	Sellout/Reorder 250-24560			
250-24409	Heated	4	770	No Univ.	250-24535	Heated	4	680	No Univ.
250-24410	Heated	4	1640	No Univ.	250-24536	Heated	4	400	No Univ.
250-24411	Heated	4	660	No Univ.	250-24538	Heated	4	620	No Univ.
250-24412	Heated	4	460	No Univ.	250-24540	Heated	4	540	No Univ.
250-24413	Heated	4	325	No Univ.	250-24541	Heated	4	760	No Univ.
250-24414	Heated	4	1690	No Univ.	250-24542	Heated	4	890	No Univ.
250-24417	Heated	4	1440	No Univ.	250-24543	Heated	4	1055	No Univ.
250-24419	Heated	4	610	No Univ.	250-24545	Heated	4	525	No Univ.
250-24420	Heated	4	360	No Univ.	250-24546	Heated	4	650	No Univ.
250-24422	Heated	4	450	No Univ.	250-24549	Heated	4	280	No Univ.
250-24423	Heated	4	260	No Univ.	250-24551	Heated	4	1020	No Univ.
250-24427	Sellout/Reorder 250-24493				250-24552	Heated	4	735	No Univ.
250-24428	Heated	4	970	No Univ.	250-24553	Heated	4	415	No Univ.
250-24429	Heated	4	540	No Univ.	250-24555	Heated	4	1020	No Univ.
250-24430	Heated	4	1620	No Univ.	250-24558	Heated	4	730	No Univ.
250-24431	Heated	4	700	No Univ.	250-24560	Heated	4	505	No Univ.
250-24432	Heated	4	940	No Univ.	250-24563	Heated	4	1500	No Univ.
250-24434	Heated	4	360	No Univ.	250-24564	Heated	4	400	No Univ.
250-24437	Heated	4	365	No Univ.	250-24565	Heated	4	1130	No Univ.
250-24438	Heated	4	220	No Univ.	250-24566	Heated	4	770	No Univ.
250-24439	Heated	4	550	No Univ.	250-24568	Heated	4	470	No Univ.
250-24440	Heated	4	700	No Univ.	250-24569	Heated	4	730	No Univ.
250-24441	Heated	4	900	No Univ.	250-24570	Sellout/Reorder 250-24733			
250-24442	Heated	4	525	No Univ.	250-24571	Heated	4	600	No Univ.
250-24444	Heated	4	900	No Univ.	250-24572	Sellout/Reorder 250-24984			
250-24445	Heated	4	820	No Univ.	250-24573	Heated	4	300	No Univ.
250-24446	Heated	4	600	No Univ.	250-24574	Heated	4	1720	No Univ.
250-24447	Heated	4	550	No Univ.	250-24576	Heated	4	1350	No Univ.
250-24448	Heated	4	380	No Univ.	250-24577	Heated	4	1080	No Univ.
250-24450	Heated	4	530	No Univ.	250-24578	Heated	4	270	No Univ.
250-24452	Heated	4	370	No Univ.	250-24579	Heated	4	480	No Univ.
250-24453	Heated	4	470	No Univ.	250-24582	Heated	4	1000	No Univ.
250-24455	Heated	4	475	No Univ.	250-24584	Heated	4	330	No Univ.
250-24460	Heated	4	490	No Univ.	250-24585	Heated	4	470	No Univ.
250-24461	Heated	4	460	No Univ.	250-24587	Heated	4	630	No Univ.
250-24462	Heated	4	525	No Univ.	250-24588	Heated	4	980	No Univ.



Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-24589	Heated	4	980	No Univ.	250-24726	Heated	4	1325	No Univ.
250-24590	Heated	4	540	No Univ.	250-24730	Heated	4	500	No Univ.
250-24591	Heated	4	780	No Univ.	250-24731	Heated	4	1275	No Univ.
250-24592	Heated	4	300	No Univ.	250-24733	Heated	4	750	No Univ.
250-24593	Heated	4	330	No Univ.	250-24734	Heated	4	1020	No Univ.
250-24594	Heated	4	660	No Univ.	250-24735	Heated	4	450	No Univ.
250-24595	Heated	4	1170	No Univ.	250-24737	Heated	4	425	No Univ.
250-24596	Heated	4	1850	No Univ.	250-24738	Heated	4	1100	No Univ.
250-24598	Heated	4	975	No Univ.	250-24739 New	Heated	4	475	No Univ.
250-24600	Heated	4	450	No Univ.	250-24740 New	Heated	4	850	No Univ.
250-24601	Heated	4	860	No Univ.	250-24741	Heated	4	475	No Univ.
250-24602	Heated	4	275	No Univ.	250-24748	Heated	4	1250	No Univ.
250-24605	Heated	4	330	No Univ.	250-24749	Heated	4	280	No Univ.
250-24607	Heated	4	425	No Univ.	250-24750	Heated	4	525	No Univ.
250-24609	Heated	4	380	No Univ.	250-24751 New	Heated	4	925	No Univ.
250-24610	Heated	4	480	No Univ.	250-24752	Heated	4	725	No Univ.
250-24611	Heated	4	450	No Univ.	250-24753	Heated	4	500	No Univ.
250-24612	Heated	4	400	No Univ.	250-24754	Heated	4	500	No Univ.
250-24613	Heated	4	750	No Univ.	250-24755	Heated	4	975	No Univ.
250-24614	Sellout/Reorder 250-24945				250-24756	Heated	4	750	No Univ.
250-24620	Heated	4	340	No Univ.	250-24757	Heated	4	400	No Univ.
250-24621	Heated	4	475	No Univ.	250-24758	Heated	4	700	No Univ.
250-24623	Heated	4	680	No Univ.	250-24759	Heated	4	400	No Univ.
250-24627	Heated	4	580	No Univ.	250-24760	Heated	4	675	No Univ.
250-24628	Heated	4	380	No Univ.	250-24761	Heated	4	750	No Univ.
250-24629	Heated	4	325	No Univ.	250-24762	Heated	4	1175	No Univ.
250-24630	Heated	4	480	No Univ.	250-24763	Heated	4	700	No Univ.
250-24631	Heated	4	725	No Univ.	250-24764	Heated	4	675	No Univ.
250-24633	Heated	4	700	No Univ.	250-24766	Heated	4	500	No Univ.
250-24634	Heated	4	275	No Univ.	250-24767	Heated	4	850	No Univ.
250-24638	Heated	4	450	No Univ.	250-24768	Heated	4	525	No Univ.
250-24641	Heated	4	1020	No Univ.	250-24769 New	Heated	4	650	No Univ.
250-24647	Heated	4	400	No Univ.	250-24770 New	Heated	4	325	No Univ.
250-24648	Heated	4	550	No Univ.	250-24771	Heated	4	300	No Univ.
250-24649 New	Heated	4	520	No Univ.	250-24773 New	Heated	4	375	No Univ.
250-24650	Heated	4	260	No Univ.	250-24775	Heated	4	625	No Univ.
250-24657	Heated	4	1140	No Univ.	250-24777	Heated	4	480	No Univ.
250-24658	Heated	4	730	No Univ.	250-24778	Heated	4	350	No Univ.
250-24660	Heated	4	460	No Univ.	250-24779	Heated	4	550	No Univ.
250-24661	Heated	4	800	No Univ.	250-24780	Heated	4	750	No Univ.
250-24662	Heated	4	460	No Univ.	250-24781	Heated	4	275	No Univ.
250-24665	Heated	4	400	No Univ.	250-24782 New	Heated	4	650	No Univ.
250-24666	Sellout/Reorder 250-24945				250-24783	Heated	4	650	No Univ.
250-24669	Heated	4	1000	No Univ.	250-24784	Heated	4	550	No Univ.
250-24670	Heated	4	1000	No Univ.	250-24786	Heated	4	350	No Univ.
250-24671	Heated	4	800	No Univ.	250-24788	Heated	4	325	No Univ.
250-24672	Heated	4	800	No Univ.	250-24789	Heated	4	475	No Univ.
250-24674	Heated	4	450	No Univ.	250-24790	Heated	4	575	No Univ.
250-24675	Heated	4	475	No Univ.	250-24791	Heated	4	675	No Univ.
250-24676	Heated	4	820	No Univ.	250-24792	Heated	4	575	No Univ.
250-24679	Sellout/Reorder 250-24460				250-24793	Heated	4	525	No Univ.
250-24680	Heated	4	325	No Univ.	250-24795	Heated	4	375	No Univ.
250-24682	Heated	4	775	No Univ.	250-24797	Heated	4	500	No Univ.
250-24684	Heated	4	550	No Univ.	250-24798	Heated	4	600	No Univ.
250-24686	Heated	4	500	No Univ.	250-24801	Heated	4	395	250-24882
250-24687	Heated	4	480	No Univ.	250-24803	Heated	4	825	250-24882
250-24688	Heated	4	750	No Univ.	250-24804	Heated	4	520	250-24883
250-24689	Heated	4	1900	No Univ.	250-24805	Heated	4	400	No Univ.
250-24690	Heated	4	330	No Univ.	250-24806	Heated	4	705	250-24882
250-24692	Heated	4	470	No Univ.	250-24807	Heated	4	340	250-24882
250-24695	Heated	4	630	No Univ.	250-24809	Heated	4	220	250-24882
250-24696	Heated	4	2030	No Univ.	250-24810	Heated	4	990	250-24882
250-24697	Heated	4	1700	No Univ.	250-24814	Heated	4	530	250-24882
250-24699	Heated	4	525	No Univ.	250-24818	Heated	4	860	No Univ.
250-24701	Heated	4	450	250-24200	250-24820	Heated	4	915	No Univ.
250-24705	Heated	4	1190	No Univ.	250-24823	Heated	4	1080	No Univ.
250-24706	Heated	4	630	No Univ.	250-24824	Heated	4	935	No Univ.
250-24707	Heated	4	750	No Univ.	250-24829	Heated	4	480	No Univ.
250-24710	Heated	4	500	No Univ.	250-24830	Heated	4	380	No Univ.
250-24711	Sellout/Reorder 250-24793				250-24832	Heated	4	410	No Univ.
250-24712 New	Heated	4	700	No Univ.	250-24833 New	Heated	4	225	No Univ.
250-24713	Heated	4	550	No Univ.	250-24837	Heated	4	650	250-24883
250-24714	Heated	4	250	No Univ.	250-24839	Heated	4	800	250-24883
250-24717	Heated	4	1300	No Univ.	250-24840	Heated	4	925	250-24883
250-24718	Heated	4	775	No Univ.	250-24841	Heated	4	550	250-24883
250-24719	Heated	4	575	No Univ.	250-24842	Heated	4	725	250-24883
250-24721	Heated	4	400	No Univ.	250-24843	Heated	4	1225	250-24883
250-24725	Heated	4	450	No Univ.	250-24844	Heated	4	425	No Univ.



Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-24845	New Heated	4	300	No Univ.	250-24975	Heated	4	275	No Univ.
250-24846	Heated	4	450	No Univ.	250-24976	Heated	4	750	No Univ.
250-24847	Heated	4	525	No Univ.	250-24977	Heated	4	500	No Univ.
250-24848	New Heated	4	575	No Univ.	250-24978	Heated	4	250	No Univ.
250-24849	Heated	4	400	No Univ.	250-24979	Heated	4	475	No Univ.
250-24850	New Heated	4	400	No Univ.	250-24980	Heated	4	350	No Univ.
250-24851	New Heated	4	350	No Univ.	250-24981	Heated	4	425	No Univ.
250-24852	Heated	4	400	No Univ.	250-24982	New Heated	4	700	No Univ.
250-24853	Heated	4	1475	No Univ.	250-24984	Heated	4	475	No Univ.
250-24854	New Heated	4	825	No Univ.	250-24985	Heated	4	425	No Univ.
250-24855	Heated	4	950	No Univ.	250-24986	Heated	4	625	No Univ.
250-24856	New Heated	4	825	No Univ.	250-24990	New Heated	4	1125	No Univ.
250-24857	New Heated	4	925	No Univ.	250-24991	New Heated	4	750	No Univ.
250-24858	Heated	4	800	No Univ.	250-24993	New Heated	4	925	No Univ.
250-24862	Heated	4	500	No Univ.	250-24994	New Heated	4	700	No Univ.
250-24864	New Heated	4	575	No Univ.	250-241001	Heated	4	325	No Univ.
250-24865	New Heated	4	450	No Univ.	250-241002	Heated	4	625	No Univ.
250-24866	Heated	4	200	No Univ.	250-241003	Heated	4	325	No Univ.
250-24870	New Heated	4	575	No Univ.	250-241009	Heated	4	450	No Univ.
250-24872	New Heated	4	325	No Univ.	250-241011	New Heated	4	450	No Univ.
250-24874	Heated	4	725	No Univ.	250-241013	New Heated	4	425	No Univ.
250-24875	Heated	4	925	No Univ.	250-241015	New Heated	4	1500	No Univ.
250-24876	Heated	4	976	No Univ.	250-241016	New Heated	4	1375	No Univ.
250-24877	Heated	4	450	No Univ.	250-241017	New Heated	4	975	No Univ.
250-24878	New Heated	4	600	No Univ.	250-241018	New Heated	4	425	No Univ.
250-24884	Heated	4	550	No Univ.	250-241019	New Heated	4	825	No Univ.
250-24885	Heated	4	350	No Univ.	250-241020	New Heated	4	775	No Univ.
250-24886	Heated	4	825	No Univ.	250-241021	New Heated	4	625	No Univ.
250-24887	Heated	4	800	No Univ.	250-241022	New Heated	4	325	No Univ.
250-24888	Heated	4	650	No Univ.	250-241024	New Heated	4	525	No Univ.
250-24889	Heated	4	725	No Univ.	250-241026	New Heated	4	700	No Univ.
250-24901	Heated	4	300	No Univ.	250-241027	New Heated	4	650	No Univ.
250-24902	Heated	4	575	No Univ.	250-241028	New Heated	4	375	No Univ.
250-24903	Heated	4	925	No Univ.	250-241029	New Heated	4	650	No Univ.
250-24904	Heated	4	600	No Univ.	250-241030	New Heated	4	300	No Univ.
250-24905	Heated	4	325	No Univ.	250-241031	New Heated	4	650	No Univ.
250-24906	Heated	4	350	No Univ.	250-241032	New Heated	4	1500	No Univ.
250-24907	Heated	4	625	No Univ.	250-241033	New Heated	4	200	No Univ.
250-24908	New Heated	4	425	No Univ.	250-241037	New Heated	4	450	No Univ.
250-24909	New Heated	4	325	No Univ.	250-241038	New Heated	4	250	No Univ.
250-24916	New Heated	4	475	No Univ.	250-241039	New Heated	4	750	No Univ.
250-24918	Heated	4	700	No Univ.	250-241040	New Heated	4	475	No Univ.
250-24919	Heated	4	1700	No Univ.	250-241043	New Heated	4	325	No Univ.
250-24920	Heated	4	1475	No Univ.	250-241047	New Heated	4	500	No Univ.
250-24921	Heated	4	1825	No Univ.	250-241048	New Heated	4	975	No Univ.
250-24922	Heated	4	600	No Univ.	250-241049	New Heated	4	475	No Univ.
250-24923	Heated	4	425	No Univ.	250-241050	New Heated	4	900	No Univ.
250-24924	Heated	4	350	No Univ.	250-241051	New Heated	4	800	No Univ.
250-24927	Heated	4	225	No Univ.	250-241053	New Heated	4	775	No Univ.
250-24932	Heated	4	675	No Univ.	250-241054	New Heated	4	425	No Univ.
250-24933	Heated	4	500	No Univ.	250-241055	New Heated	4	475	No Univ.
250-24936	Heated	4	1500	No Univ.	250-241056	New Heated	4	475	No Univ.
250-24937	Heated	4	550	No Univ.	250-241057	New Heated	4	1075	No Univ.
250-24938	Heated	4	700	No Univ.	250-241058	New Heated	4	1250	No Univ.
250-24939	Heated	4	350	No Univ.	250-241060	New Heated	4	825	No Univ.
250-24940	Heated	4	550	No Univ.	250-241061	New Heated	4	350	No Univ.
250-24941	Heated	4	675	No Univ.	250-241064	New Heated	4	550	No Univ.
250-24942	Heated	4	400	No Univ.	250-241065	New Heated	4	500	No Univ.
250-24943	Heated	4	475	No Univ.	250-241066	New Heated	4	675	No Univ.
250-24944	Heated	4	700	No Univ.	250-241067	New Heated	4	325	No Univ.
250-24945	Heated	4	850	No Univ.	250-25001	Wide Band	5	425	No Univ.
250-24946	Heated	4	450	No Univ.	250-25002	Wide Band	5	600	No Univ.
250-24951	Heated	4	275	No Univ.	250-25003	Wide Band	5	950	No Univ.
250-24952	Heated	4	500	No Univ.	250-25004	Wide Band	5	1450	No Univ.
250-24953	Heated	4	600	No Univ.	250-25005	Wide Band	5	650	No Univ.
250-24954	Heated	4	675	No Univ.	250-25006	Wide Band	5	1200	No Univ.
250-24955	Heated	4	675	No Univ.	250-25007	Wide Band	5	850	No Univ.
250-24964	Heated	4	1075	No Univ.	250-25008	Wide Band	5	1500	No Univ.
250-24965	Heated	4	1375	No Univ.	250-25009	Wide Band	5	780	No Univ.
250-24966	Heated	4	250	No Univ.	250-25010	Wide Band	5	565	No Univ.
250-24967	Heated	4	550	No Univ.	250-25011	Wide Band	5	1310	No Univ.
250-24968	Heated	4	600	No Univ.	250-25015	Wide Band	5	850	No Univ.
250-24969	Heated	4	675	No Univ.	250-25017	Wide Band	5	600	No Univ.
250-24970	Heated	4	600	No Univ.	250-25018	Wide Band	5	1525	No Univ.
250-24971	Heated	4	450	No Univ.	250-25019	Wide Band	5	525	No Univ.
250-24972	Heated	4	400	No Univ.	250-25020	Wide Band	5	1775	No Univ.
250-24973	Heated	4	350	No Univ.	250-25021	Wide Band	5	1900	No Univ.
250-24974	Heated	4	625	No Univ.	250-25025	Wide Band	5	475	No Univ.



Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-25026	Wide Band	5	900	No Univ.	250-54047	Air/Fuel	4	600	No Univ.
250-25027	Wide Band	5	925	No Univ.	250-54048	Air/Fuel	4	525	No Univ.
250-25028	Wide Band	5	1700	No Univ.	250-54050	Air/Fuel	4	275	No Univ.
250-25029	Wide Band	5	500	No Univ.	250-54051	Air/Fuel	4	310	No Univ.
250-25030	Wide Band	5	475	No Univ.	250-54052	Air/Fuel	4	420	No Univ.
250-25031	Wide Band	5	1450	No Univ.	250-54054	Air/Fuel	4	350	No Univ.
250-25032	Wide Band	5	1275	No Univ.	250-54055	Air/Fuel	4	350	No Univ.
250-25033	Wide Band	5	900	No Univ.	250-54056 New	Air/Fuel	4	525	No Univ.
250-25034	Wide Band	5	400	No Univ.	250-54058	Air/Fuel	4	800	No Univ.
250-25035	Wide Band	5	725	No Univ.	250-54059	Air/Fuel	4	375	No Univ.
250-25036 New	Wide Band	5	950	No Univ.	250-54062	Air/Fuel	4	300	No Univ.
250-25037	Wide Band	5	1325	No Univ.	250-54064 New	Air/Fuel	4	275	No Univ.
250-25038	Wide Band	5	400	No Univ.	250-54066 New	Air/Fuel	4	375	No Univ.
250-25039	Wide Band	5	725	No Univ.	250-54067 New	Air/Fuel	4	500	No Univ.
250-25040	Wide Band	5	750	No Univ.	250-54071 New	Air/Fuel	4	250	No Univ.
250-25041	Wide Band	5	1325	No Univ.	250-54072 New	Air/Fuel	4	275	No Univ.
250-25042	Wide Band	5	450	No Univ.	250-54073	Air/Fuel	4	400	No Univ.
250-25043	Wide Band	5	550	No Univ.	250-54074	Air/Fuel	4	200	No Univ.
250-25044	Wide Band	5	700	No Univ.	250-54076	Air/Fuel	4	275	No Univ.
250-25045	Wide Band	5	825	No Univ.	250-54077	Air/Fuel	4	775	No Univ.
250-25046	Wide Band	5	1050	No Univ.	250-54078	Air/Fuel	4	300	No Univ.
250-25047	Wide Band	5	1200	No Univ.	250-54079 New	Air/Fuel	4	800	No Univ.
250-25048	Wide Band	5	1300	No Univ.	250-54080 New	Air/Fuel	4	225	No Univ.
250-25049	Wide Band	5	525	No Univ.	250-54081	Air/Fuel	4	600	No Univ.
250-25052	Wide Band	5	1725	No Univ.	250-54084 New	Air/Fuel	4	425	No Univ.
250-25053 New	Wide Band	5	1050	No Univ.	250-54091 New	Air/Fuel	4	1600	No Univ.
250-25054 New	Wide Band	5	1000	No Univ.	250-54092 New	Air/Fuel	4	275	No Univ.
250-25055	Wide Band	5	425	No Univ.	250-54093 New	Air/Fuel	4	975	No Univ.
250-25057	Wide Band	5	665	No Univ.	250-54094 New	Air/Fuel	4	725	No Univ.
250-25058	Wide Band	5	400	No Univ.	250-54095 New	Air/Fuel	4	400	No Univ.
250-25061	Wide Band	5	725	No Univ.	250-54096 New	Air/Fuel	4	625	No Univ.
250-25062 New	Wide Band	5	475	No Univ.	800-94001	Diesel	4	875	No Univ.
250-25064	Wide Band	5	815	No Univ.	800-94002	Diesel	4	725	No Univ.
250-25065 New	Wide Band	5	700	No Univ.	800-94003	Diesel	4	325	No Univ.
250-25066	Wide Band	5	800	No Univ.	800-94005	Diesel	4	400	No Univ.
250-25067	Wide Band	5	800	No Univ.	800-95001	Diesel	5	800	No Univ.
250-25074	Wide Band	5	650	No Univ.	800-95002	Diesel	5	900	No Univ.
250-25077	Wide Band	5	1050	No Univ.	800-95003	Diesel	5	400	No Univ.
250-25078	Wide Band	5	500	No Univ.	800-95004	Diesel	5	725	No Univ.
250-25079	Wide Band	5	750	No Univ.	800-95005	Diesel	5	1025	No Univ.
250-25080 New	Wide Band	5	1025	No Univ.	800-95006	Diesel	5	1200	No Univ.
250-25081 New	Wide Band	5	1300	No Univ.	800-95007	Diesel	5	750	No Univ.
250-25087 New	Wide Band	5	475	No Univ.	800-95008	Diesel	5	450	No Univ.
250-25089 New	Wide Band	5	465	No Univ.	800-95009	Diesel	5	550	No Univ.
250-25090 New	Wide Band	5	550	No Univ.	800-95010	Diesel	5	825	No Univ.
250-25091 New	Wide Band	5	550	No Univ.	800-95012	Diesel	5	1050	No Univ.
250-25092 New	Wide Band	5	750	No Univ.	800-95013	Diesel	5	1050	No Univ.
250-25094 New	Wide Band	5	475	No Univ.	800-95014	Diesel	5	1000	No Univ.
250-25095 New	Wide Band	5	400	No Univ.	800-95015	Diesel	5	700	No Univ.
250-25096 New	Wide Band	5	700	No Univ.	800-95016	Diesel	5	500	No Univ.
250-25097 New	Wide Band	5	450	No Univ.	800-95017	Diesel	5	400	No Univ.
250-25099 New	Wide Band	5	575	No Univ.	800-95018	Diesel	5	1000	No Univ.
250-54002	Air/Fuel	4	520	No Univ.	800-95019	Diesel	5	1225	No Univ.
250-54003	Air/Fuel	4	450	No Univ.	800-95020	Diesel	5	675	No Univ.
250-54004	Air/Fuel	4	790	No Univ.	800-95021	Diesel	5	325	No Univ.
250-54006	Air/Fuel	4	400	No Univ.	800-95026 New	Diesel	5	750	No Univ.
250-54007	Air/Fuel	4	510	No Univ.					
250-54008	Air/Fuel	4	240	No Univ.					
250-54009	Air/Fuel	4	630	No Univ.					
250-54010	Air/Fuel	4	520	No Univ.					
250-54011	Air/Fuel	4	560	No Univ.					
250-54018	Air/Fuel	4	450	No Univ.					
250-54022	Air/Fuel	4	610	No Univ.					
250-54026	Air/Fuel	4	630	No Univ.					
250-54027 New	Air/Fuel	4	575	No Univ.					
250-54028	Air/Fuel	4	475	No Univ.					
250-54031	Air/Fuel	4	550	No Univ.					
250-54032	Air/Fuel	4	325	No Univ.					
250-54034 New	Air/Fuel	4	400	No Univ.					
250-54035 New	Air/Fuel	4	375	No Univ.					
250-54037	Air/Fuel	4	400	No Univ.					
250-54038 New	Air/Fuel	4	350	No Univ.					
250-54040	Air/Fuel	4	425	No Univ.					
250-54041	Air/Fuel	4	275	No Univ.					
250-54043	Air/Fuel	4	475	No Univ.					
250-54044 New	Air/Fuel	4	600	No Univ.					
250-54045	Air/Fuel	5	425	No Univ.					
250-54046	Air/Fuel	4	375	No Univ.					



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Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
ALFA ROMEO								
33								
1.4 i.e.	907A	65	AR30755		06.1991->09.1994		250-23142	
	907A	66	AR30755		09.1991->09.1994		250-23142	
	907A	66	AR30753		06.1991->09.1994		250-23815	
1.5 i.e.	907A	71	AR30751		01.1990->09.1994		250-23142	
	907A	74	AR30750		07.1990->08.1991		250-23033	
1.7 i.e.	905	77	AR30558		09.1988->12.1989		250-23142	
	907A	77	AR30737		04.1992->09.1994		250-23142	
	907A	79	AR30737		01.1990->03.1992		250-23142	
1.7 i.e. 4x4	907A	79	AR30736,AR30737		07.1990->03.1992		250-23142	
1.7 16V	907A	95	AR30747		01.1990->09.1994		250-23142	
	907A	97	AR30747		01.1990->03.1992		250-23142	
1.7 16V 4x4	907A	95	AR30747		01.1990->09.1994		250-23142	
	907A	97	AR30747		01.1990->09.1994		250-23033	
33 SPORT WAGON								
1.4 i.e.	907B	65	AR30755		09.1991->12.1991		250-23033	
	907B	65	AR30755		02.1994->09.1994		250-23815	
	907B	66	AR30755		06.1991->09.1994		250-23142	
1.4 i.e. 4x4	907B	66	AR30587,AR30755		06.1991->09.1994		250-23033	
1.5 i.e.	907B	71	AR30751		01.1990->09.1994		250-23142	
1.7 i.e.	905A	77	AR30558		09.1988->12.1989		250-23142	
	907B	77	AR30740		04.1992->09.1994		250-24145	
	907B	79	AR30737		01.1990->03.1992		250-23142	
1.7 i.e. 4x4	905A	77	AR30558		09.1988->12.1989		250-23142	
	907B	79	AR30737		01.1990->03.1992		250-23142	
1.7 16V	907B	95	AR30747		01.1990->09.1994		250-23033	
	907B	97	AR30747		06.1990->06.1994		250-23033	
1.7 16V 4x4	907B	95	AR30747		06.1990->09.1994		250-23142	
	907B	97	AR30747		06.1990->03.1992		250-23142	
75								
1.6	162B	76	AR61102		05.1985->09.1989		250-23048	
	162B	81	AR61101		08.1989->02.1992		250-23019	
1.8	162B	88	AR61102		08.1989->02.1992		250-23048	
	162B	90	AR61202		09.1989->02.1992		250-23048	
	162B	95	AR61201		08.1989->02.1992		250-23048	
2.0 T.S.	162B	107	AR06166		01.1987->02.1992		250-23048	
2.5 V6 CAT	162B	113	AR01911		09.1988->04.1989		250-23048	
3.0 V6	162B	136	AR06124		02.1987->01.1990		250-23048	
	162B	141	AR61503		02.1990->02.1992		250-23048	
145								
1.4 i.e.	930	66	AR33501		09.1994->12.1996		250-23816	
1.4 i.e. 16V T.S.	930	76	AR33503	To Ch. No. 3148498	12.1996->01.2001		250-24119	
	930	76	AR33503	Fr.Ch. No. 3148498-To Ch. No. 3174687	12.1996->01.2001		250-24524	
	930	76	AR33503	Fr.Ch. No. 3174687	12.1996->02.1998		250-24705	
1.4 i.e. 16V T.S.	930	76	AR33503		02.1998->up		250-24705	
1.6 i.e.	930	76	AR33201	To Ch. No. 3014142	10.1994->12.1996		250-24119	
	930	76	AR33201	Fr.Ch. No. 3014142	10.1994->12.1996		250-24000	
1.6 i.e. 16V T.S.	930	88	AR67601	To Ch. No. 3174687	12.1996->01.2001		250-24524	
	930	88	AR67601	Fr.Ch. No. 3174687	12.1996->01.2001		250-24705	
	930	88	AR32102		06.1998->01.2001		250-24705	
1.7 i.e. 16V	930	95	AR33401		10.1994->12.1996		250-24119	
1.8 i.e. 16V	930	106	AR32201		06.1998->04.1999		250-24705	
1.8 i.e. 16V T.S.	930	103	AR67106		12.1996->12.1998		250-24119	
2.0 16V Quadrifoglio	930	114	AR32301		06.1998->01.2001		250-24705	
2.0 16V T.S.	930	110	AR67204,AR67299		11.1995->01.2001		250-24119	
146								
1.4 i.e.	930	66	AR33501		12.1994->12.1996		250-23816	
1.4 i.e. 16V T.S.	930	76	AR33503	To Ch. No. 0129332	12.1996->01.2001		250-24119	
	930	76	AR33503	Fr.Ch. No. 0129332	11.1996->01.2001		250-24524	
	930	76	AR33503	Fr.Ch. No. 0165088	02.1998->01.2001		250-24705	
1.6 i.e.	930	76	AR33201	To Ch. No. 3014142	10.1994->12.1996		250-24119	
	930	76	AR33201	Fr.Ch. No. 3014142	10.1994->12.1996		250-24000	
1.6 i.e. 16V T.S.	930	88	AR67601	To Ch. No. 0165088	12.1996->01.2001		250-24524	
	930	88	AR67601	Fr.Ch. No. 0165088	11.1996->01.2001		250-24705	
1.7 i.e. 16V	930	95	AR33401		12.1994->12.1996		250-24119	
1.8 i.e. 16V T.S.	930	103	AR67106		12.1996->01.2001		250-24119	
	930	106	AR32201		06.1998->01.2001		250-24705	
2.0 16V Quadrifoglio	930	114	AR32301		06.1998->01.2001		250-24705	
2.0 16V T.S.	930	110	AR67204		03.1996->01.2001		250-24119	
147								
1.6 16V T.S. ECO	937	77	AR37203		01.2001->up		250-24564	250-24695
1.6 16V T.S. ECO	937	88	AR32104		01.2001->up	Left	250-24564	●250-24696
	937	88	AR32104		01.2001->up	Right	250-24564	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
ALFA ROMEO (cont'd)								
147 (cont'd)								
1.9 JTD 16V	937	100	192B1.000		10.2004->up			800-95004
1.9 JTDM 8V	937	88	937A3.000		07.2005->up			800-95004
1.9 JTDM 16V	937	85	939A7.000		10.2004->up			800-95004
	937	110	937A5.000		07.2005->up			800-95004
2.0 16V T.S.	937	110	AR32310		01.2001->up	Left	250-24564	●250-24696
	937	110	AR32310		01.2001->up	Right	250-24564	
3.2 GTA	937	184	932A.000		02.2003->09.2004	Left	250-24564	250-24696
	937	184	932A.000		02.2003->09.2004	Right	250-241060	250-24311
155								
1.6 16V T.S.	167	88	AR67601		05.1996->08.1997		250-24119	
1.7 T.S.	167	83	AR67103		04.1993->04.1996		250-24132	
	167	85	AR67105		04.1993->03.1995		250-24132	
1.7 T.S. 16V	167	103	AR67106		05.1996->08.1997		250-24119	
1.8 T.S.	167	95	AR67101		02.1992->06.1993		250-24132	
1.8 T.S. Sport	167	93	AR67102		01.1992->03.1995		250-24132	
2.0 16V Turbo Q4	167	137	AR67203		01.1992->03.1995		250-23154	
	167	140	AR67203		03.1995->08.1997		250-23154	
2.0 T.S.	167	104	AR67202		02.1992->02.1995		250-24132	
	167	106	AR67201		02.1992->04.1993		250-24132	
2.0 T.S. 16V	167	110	AR67204,AR67299		03.1995->08.1997		250-24119	
2.5 V6	167	120	AR67302		10.1992->03.1995		250-24132	
	167	120	AR67303		03.1995->08.1997		250-24132	
	167	121	AR67301		02.1995->03.1995		250-24132	
156								
1.6 16V T.S.	932	88	AR32102,AR67601	Fr.Ch. No. 0023373	09.1997->03.2003		250-24705	
	932	88	AR67601	To Ch. No. 0023373	09.1997->09.2005		250-24530	
1.6 16V T.S.	932	88	AR32103		09.2000->03.2003	Left	250-24564	●250-24696
	932	88	AR32103		09.2000->03.2003	Right	250-24564	
1.6 16V T.S.	932	88	AR32104		09.2000->06.2004	Left	250-24564	●250-24696
	932	88	AR32104		09.2000->06.2004	Right	250-24564	
1.8 16V T.S.	932	103	AR32205		10.2000->09.2005	Left	250-24564	●250-24696
	932	103	AR32205		10.2000->09.2005	Right	250-24564	
1.8 16V T.S.	932	106	AR32201		09.1997->10.2000		250-24705	
1.9 JTD	932	93	937A4.000		11.2003->09.2005			800-95004
2.0 16V T.S.	932	110	AR32310		10.2000->03.2002	Left	250-24564	●250-24696
	932	110	AR32310		10.2000->03.2002	Right	250-24564	
2.0 16V T.S.	932	114	AR32301		09.1997->10.2000		250-24705	
2.0 JTS	932	122	937A1.000		03.2002->09.2005	Left	250-25005	250-24695
	932	122	937A1.000		03.2002->09.2005	Right	250-25005	250-24695
2.5 V6 24V	932	140	AR32401	A/T	02.1999->10.2000		250-24695	
	932	140	AR32401	M/T	09.1997->10.2000		250-24705	
2.5 V6 24V	932	141	AR32405		10.2000->09.2005	Left	250-24564	250-24696
	932	141	AR32405		10.2000->09.2005	Right	250-241060	250-24311
3.2 GTA	932	184	932A.000		03.2002->09.2005	Left	250-24564	250-24696
	932	184	932A.000		03.2002->09.2005	Right	250-241060	250-24311
156 SPORT WAGON								
1.6 16V T.S.	932	88	AR32104		09.2000->05.2006	Left	250-24564	●250-24696
	932	88	AR32104		09.2000->05.2006	Right	250-24564	
1.6 16V T.S.	932	88	AR67601	To Ch. No. 0012329	05.2000->05.2006		250-24530	
	932	88	AR67601	Fr.Ch. No. 0023373	05.2000->03.2003		250-24705	
1.8 16V T.S.	932	103	AR32205		10.2006->05.2006	Left	250-24564	●250-24696
	932	103	AR32205		10.2006->05.2006	Right	250-24564	
1.8 16V T.S.	932	106	AR32201		05.2000->10.2000		250-24705	
1.9 JTD	932	93	937A4.000		11.2003->05.2006			800-95004
1.9 JTD 16V Q4	932	110	937A5.000		07.2004->05.2006			800-95004
2.0 16V T.S.	932	110	AR32310		10.2000->03.2002	Left	250-24564	●250-24696
	932	110	AR32310		10.2000->03.2002	Right	250-24564	
2.0 16V T.S.	932	114	AR32301		05.2000->10.2000		250-24705	
2.0 JTS	932	122	937A1.000		03.2002->05.2005	Left	250-25005	250-24695
	932	122	937A1.000		03.2002->05.2005	Right	250-25005	250-24695
2.5 V6 24V	932	140	AR32401	A/T	05.2000->10.2000		250-24695	
	932	140	AR32401	M/T	05.2000->10.2000		250-24705	
2.5 V6 24V	932	141	AR32405		10.2000->09.2005	Left	250-24564	250-24696
	932	141	AR32405		10.2000->09.2005	Right	250-241060	250-24311
3.2 GTA	932	184	932A.000		03.2002->05.2006	Left	250-24564	250-24696
	932	184	932A.000		03.2002->05.2006	Right	250-241060	250-24311
159								
1.8 MPI	939	103	939A4.000		07.2005->11.2011		250-24984	250-24984
1.8 Tbi	939	147	939B1.000		05.2009->11.2011		250-24984	
1.8Tbi 16V		147	159 1.8Tbi 16V		05.2009->06.2010		250-24984	250-24984
1.9 JTS		118	939A6.000		09.2005->up	Left	250-25049	250-241060
		118	939A6.000		09.2005->up	Right	250-25049	250-241060



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
ALFA ROMEO (cont'd)								
159 (cont'd)								
2.2 JTS 16V		136			07.2005->11.2011	Left		250-241060
		136			07.2005->11.2011	Right		250-241060
159 SPORT WAGON								
1.8 MPI 16V		103			03.2006->11.2011		250-24984	250-24984
1.8 TBI	939	147	939B1.000	Fr.Con. 05.2009, To Con. 06.2010	05.2009->11.2011		250-24984	
1.9 JTS		118	939A6.000		03.2006->up	Left	250-25049	250-241060
		118	939A6.000		03.2006->up	Right	250-25049	250-241060
2.2 JTS		136	939A5.000		09.2005->up	Left	250-25049	250-241060
		136	939A5.000		09.2005->up	Right	250-25049	250-241060
164								
2.0	164	102	AR06416		01.1988->09.1992		250-23048	
2.0 T.S.	164	105	AR06416		10.1990->09.1992		250-23048	
2.0 T.S.	164	106	AR64103		09.1992->09.1996		250-24132	
	164	106	AR64103		10.1996->09.1998		250-24530	
2.0 V6 Turbo	164	148	AR64102		09.1992->09.1998		250-23048	
	164	150	AR64102		03.1991->09.1992		250-23048	
3.0 24V	164	155	AR64306,AR66302		07.1994->09.1998		250-24145	
	164	155	AR66301,AR66304		09.1992->09.1998		250-24132	
3.0 24V Q4	164	170	AR64308,AR64307		02.1994->09.1998		250-24132	
3.0 24V QV	164	171	AR64304		09.1992->09.1998		250-24132	
3.0 i.e. QV	164	147	AR64301		09.1990->09.1992		250-23048	
3.0 V6	164	132	AR66303,AR64305		09.1992->12.1996		250-24132	
	164	132	AR66303,AR64305		12.1996->09.1998		250-24530	
3.0 V6	164	135	AR06412		07.1987->09.1992		250-23048	
	164	141	AR06410		06.1987->09.1992		250-23048	
166								
2.0 T.S.	936	110	AR36301		10.2000->09.2003		250-24564	
	936	110	AR36301		10.2003->04.2006		250-25005	250-24695
2.0 T.S.	936	114	AR34103		10.1998->10.2000		250-24734	
2.0 V6	936	151	AR34102		09.1998->09.2003		250-24705	
2.5 V6 24V	936	138	AR36201		01.2005->10.2007	Cyl 1-3	250-24119	250-241060
	936	138	AR36201		01.2005->10.2007	Cyl 4-6	250-24564	250-24311
2.5 V6 24V	936	140	AR34201		10.1998->10.2000		250-24705	
3.0 V6 24V	936	162	AR36101		10.2000->01.2006	Cyl 1-3	250-24119	250-241060
	936	162	AR36101		10.2000->01.2006	Cyl 4-6	250-24564	250-24311
3.0 V6 24V	936	166	AR34301		10.1998->10.2000		250-24705	
3.2 V6 24V	936	176	936A.000		10.2003->up	Cyl 1-3	250-24119	250-241060
	936	176	936A.000		10.2003->up	Cyl 4-6	250-24564	250-24311
166 3.2i V6 24V		177			10.2003->12.2007	Cyl 1-3	250-241060	
ALFASUD SPRINT								
1.7 i.e.	902.A	77	AR30558		10.1987->12.1989		250-23142	
BRERA								
2.2 JTS		136	939A5.000		01.2006->10.2010	Left	250-25049	250-241060
2.2 JTS		136	939A5.000		01.2006->10.2010	Right	250-25049	250-241060
GIULIETTA								
1.4T-Jet 115 16V S&S		88			06.2010->up			250-241003
1.4 TB	940	120	955A8		04.2010->up			250-241003
1.4 TB	940	125	940A2		04.2010->up			250-241003
1.4 TB	940	85	940A6		04.2010->up			250-241003
1.8 Tbi	940	173	940A1		04.2010->up			250-241060
GT								
1.8 TS		103	AR32205		01.2004->up		250-24564	250-24696
		103	AR32205		01.2004->up	Center	250-24564	
1.9 JTD		110	937A5.000		11.2003->up			800-95004
		125	937A6.000		05.2008->up			800-95004
2.0 JTS		121	932A2.000,937A1.000		11.2003->05.2005	Left	250-25005	250-24695
		121	932A2.000,937A1.000		11.2003->05.2005	Right	250-25005	250-24695
3.2 GTA		176	936A.000		11.2003->01.2008	Left	250-24564	250-24696
		176	936A.000		11.2003->01.2008	Right	250-241060	250-24311
GTV								
1.8 16V	916C_	106	AR32201		05.1998->02.2003		250-24705	
2.0 JTS	916C_	121	937A1.000		04.2003->02.2006	Left	250-25005	250-24695
	916C_	121	937A1.000		04.2003->02.2006	Right	250-25005	250-24695
2.0 T.S. 16V	916C_	110	AR16201		06.1995->08.2000		250-24530	
2.0 T.S. 16V	916C_	110	AR32310		08.2000->02.2003	Left	250-24564	•250-24705
	916C_	110	AR32310		08.2000->02.2003	Right	250-24564	
2.0 T.S. 16V	916C_	114	AR32301		05.1998->08.2000		250-24705	
2.0 V6 Turbo	916C_	148	AR16202	To Ch. No. 6003388	06.1995->02.2003		250-23048	
	916C_	148	AR16202	Fr.Ch. No. 6003388	06.1995->02.2003		250-23106	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
ALFA ROMEO (cont'd)								
GTV (cont'd)								
3.0 V6 24V	916C_	160	AR16105		10.2000->02.2003	Left	250-24564	250-24696
	916C_	160	AR16105		10.2000->02.2003	Right	250-241060	250-24311
3.0 V6 24V	916C_	162	AR16102		02.1997->05.1998		250-24530	250-24705
	916C_	162	AR16102		05.1998->10.2000		250-24695	250-24705
3.2 V6 24V	916C_	176	936A6.000		04.2003->02.2006	Left	250-24564	250-24696
	916C_	176	936A6.000		04.2003->02.2006	Right	250-241060	250-24311
MITO								
1.4		58	843A		09.2008->up		250-24564	250-24564
1.4	955	58	350A1		09.2008->up			250-241003
	955	77	955A6		08.2010->up			250-241003
	955	99	955A7, 955A2		10.2009->up			250-241003
1.4 TB		114	199A8.000		09.2008->up		250-24564	250-24564
	955	120	955A8		10.2009->up			250-241003
	955	125	940A2		10.2009->up			250-241003
RZ								
3.0 V6 Zagato		152	AR61501		09.1992->12.1993		250-23048	
SPIDER								
1.8 16V	916S_	106	AR32201		05.1998->02.2003		250-24705	
2.0 JTS	916S_	121	937A1.000		04.2003->04.2005	Left	250-25005	●250-24695
	916S_	121	937A1.000		04.2003->04.2005	Right	250-25005	
2.0 T.S. 16V	916S_	110	AR16201		06.1995->05.1998		250-24530	
2.0 T.S. 16V	916S_	110	AR32310		08.2000->04.2005	Left	250-24564	250-24705
	916S_	110	AR32310		08.2000->04.2005	Right	250-24564	250-24705
2.0 T.S. 16V	916S_	114	AR32301		05.1998->08.2000		250-24705	
2.0 V6 Turbo	916S_	148	AR16202		05.1998->02.2003		250-23106	
2.2 JTS	939	136	939A5.000		09.2006->up	Left	250-25049	250-241060
	939	136	939A5.000		09.2006->up	Right	250-25049	250-241060
2000	115	85/88	AR01588		06.1989->12.1993		250-23048	
3.0 V6	916S_	141	AR16101		06.1995->02.2003		250-24530	
	916S_	160	AR16105		10.2000->02.2003	Left	250-24564	250-24696
	916S_	160	AR16105		10.2000->02.2003	Right	250-241060	250-24311
3.2 V6 24V	916S_	176	936A6.000		04.2003->04.2005	Left	250-24564	250-24696
	916S_	176	936A6.000		04.2003->04.2005	Right	250-241060	250-24311
SZ								
3.0 V6 Zagato		152	AR61501		03.1989->12.1991		250-23048	
ALPINE								
A610								
3.0 Turbo		184			03.1991->12.1993		250-23828	
V6								
2.5 Turbo		136	Z7U-734		06.1987->12.1990		250-23032	
ASTON MARTIN								
DB7 VANTAGE								
3.2		250			01.1994->up		250-24001	250-24001
5.9		309	AM2		03.1999->up		250-24001	250-24001
AUDI								
80								
1.6	81, 85, B2	55	DT		08.1993->07.1986		250-21011	
	8C, B4	52	ABM	w/ CAT	01.1992->12.1994		250-21011	
	8C, B4	52	ABM	w/o CAT	01.1992->08.1994		250-23028	
1.6 E	8C, B4	74	ADA		06.1993->12.1994		250-23048	
1.8	81, 85, B2	65	SF		02.1986->07.1986		250-21011	
	81, 85, B2	66	DS		01.1983->08.1986		250-21011	
	81, 85, B2	68	JN		08.1983->08.1986		250-21011	
1.8	89, 89Q, 8A, B3	83	SD		09.1986->07.1988		250-23048	
1.8 Quattro	89, 89Q, 8A, B3	83	SD		09.1986->07.1988		250-23048	
1.8 CC Quattro	81, 85, B2	68	JN		08.1995->08.1986		250-23048	
1.8 GTE	81, 85, B2	81	PV		08.1985->07.1986		250-23048	
	81, 85, B2	82	DZ		10.1984->08.1986		250-21011	
1.8 GTE Quattro	81, 85, B2	81	PV		03.1985->08.1986		250-23048	
	81, 85, B2	82	DZ		10.1984->08.1986		250-21011	
1.8 S	89, 89Q, 8A, B3	65	SF		09.1986->01.1990		250-21011	
	89, 89Q, 8A, B3	66	JN		09.1986->08.1991		250-23048	
	89, 89Q, 8A, B3	66	NE		09.1986->08.1991		250-21011	
	89, 89Q, 8A, B3	66	PM		08.1987->08.1991		250-23154	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
80 (cont'd)								
1.8 S Quattro	89, 89Q, 8A, B3	65	SF		09.1986->07.1990		250-21011	
	89, 89Q, 8A, B3	66	JN		09.1986->07.1990		250-23048	
	89, 89Q, 8A, B3	66	NE		09.1986->07.1990		250-21011	
	89, 89Q, 8A, B3	66	PM		08.1990->09.1991		250-21011	
2.0	89, 89Q, 8A, B3	82	AAD	w/ CAT	10.1990->08.1991		250-23048	
	89, 89Q, 8A, B3	82	AAD	w/o CAT	10.1990->08.1991		250-23154	
	8C, B4	66	ABT	w/ CAT	09.1991->12.1994		250-23032	
	8C, B4	66	ABT	w/o CAT	09.1991->12.1994		250-23028	
2.0 Quattro	89, 89Q, 8A, B3	82	3A		10.1990->up		250-23019	
	89, 89Q, 8A, B3	85	AAD	w/ CAT	10.1990->08.1991		250-23048	
	89, 89Q, 8A, B3	85	AAD	w/o CAT	10.1990->08.1991		250-23154	
	8C, B4	79	ADW		12.1993->07.1994		250-23154	
2.0 E	89, 89Q, 8A, B3	83	3A	w/ CAT	08.1988->10.1990		250-23048	
	89, 89Q, 8A, B3	83	3A	w/o CAT	08.1988->10.1990		250-23154	
	8C, B4	85	ABK	w/ CAT	09.1991->12.1994		250-23048	
	8C, B4	85	ABK	w/o CAT	09.1991->12.1994		250-23154	
2.0 E Quattro	89, 89Q, 8A, B3	83	3A	w/ CAT	08.1988->07.1990		250-23048	
	89, 89Q, 8A, B3	83	3A	w/o CAT	08.1988->07.1990		250-23154	
	8C, B4	85	ABK	w/ CAT	09.1991->12.1994		250-23048	
	8C, B4	85	ABK	w/o CAT	09.1991->12.1994		250-23154	
2.0 E 16V	89, 89Q, 8A, B3	101	6A		03.1990->09.1991		250-23048	
	8C, B4	103	ACE		08.1992->12.1994		250-23048	
2.0 E 16V Quattro	89, 89Q, 8A, B3	101	6A		03.1990->09.1991		250-23048	
	8C, B4	103	ACE		04.1992->12.1994		250-23048	
2.3 E	8C, B4	98	NG		09.1991->12.1994		250-23154	
2.3 E Quattro	8C, B4	98	NG		09.1991->12.1994		250-23048	
2.6	8C, B4	110	ABC	w/ CAT	08.1992->12.1994	Left	250-23032	
	8C, B4	110	ABC	w/ CAT	08.1992->12.1994	Right	250-23032	
2.6	8C, B4	110	ABC	w/o CAT	08.1992->12.1994	Left	250-23028	
	8C, B4	110	ABC	w/o CAT	08.1992->12.1994	Right	250-23028	
2.6	8C, B4	110	ACZ	w/ CAT	05.1993->12.1994	Left	250-23032	
	8C, B4	110	ACZ	w/ CAT	05.1993->12.1994	Right	250-23032	
2.6	8C, B4	110	ACZ	w/o CAT	05.1993->12.1994	Left	250-23028	
	8C, B4	110	ACZ	w/o CAT	05.1993->12.1994	Right	250-23028	
2.6 Quattro	8C, B4	110	ABC	w/ CAT	07.1994->12.1994	Left	250-23032	
	8C, B4	110	ABC	w/ CAT	07.1994->12.1994	Right	250-23032	
2.6 Quattro	8C, B4	110	ABC	w/o CAT	07.1994->12.1994	Left	250-23028	
	8C, B4	110	ABC	w/o CAT	07.1994->12.1994	Right	250-23028	
2.6 Quattro	8C, B4	110	ACZ	w/ CAT	07.1993->12.1994	Left	250-23032	
	8C, B4	110	ACZ	w/ CAT	07.1993->12.1994	Right	250-23032	
2.6 Quattro	8C, B4	110	ACZ	w/o CAT	07.1993->12.1994	Left	250-23028	
	8C, B4	110	ACZ	w/o CAT	07.1993->12.1994	Right	250-23028	
2.8	8C, B4	128	AAH	To Ch. No. N-300 000	07.1992->up		250-23032	
	8C, B4	128	AAH	Fr.Ch. No. P-000 001	08.1992->12.1994	Left	250-23028	
	8C, B4	128	AAH	Fr.Ch. No. P-000 001	08.1992->12.1994	Right	250-23028	
2.8 Quattro	8C, B4	128	AAH		09.1991->02.1993	Left	250-23032	
	8C, B4	128	AAH		09.1991->02.1993	Right	250-23032	
2.8 Quattro	8C, B4	128	AAH		02.1993->12.1994	Left	250-23028	
	8C, B4	128	AAH		02.1993->12.1994	Right	250-23028	
S2 Quattro	8C, B4	169	ABY		02.1993->12.1994		250-23102	
80 AVANT								
1.6 E	8C, B4	74	ADA		07.1993->07.1995		250-23048	
2.0	8C, B4	66	ABT	w/ CAT	08.1992->06.1995		250-23032	
	8C, B4	66	ABT	w/o CAT	08.1992->06.1995		250-23028	
2.0 Quattro	8C, B4	79	ADW		12.1993->06.1995		250-23154	
2.0 E	8C, B4	85	ABK	w/ CAT	08.1992->07.1995		250-23048	
	8C, B4	85	ABK	w/o CAT	08.1992->07.1995		250-23154	
2.0 E 16V	8C, B4	103	ACE		02.1993->07.1995		250-23048	
2.0 E 16V Quattro	8C, B4	103	ACE		07.1993->06.1995		250-23048	
2.3 E	8C, B4	98	NG		08.1992->06.1995		250-23048	
2.3 E Quattro	8C, B4	98	NG		08.1992->11.1994		250-23048	
2.6	8C, B4	110	ABC	w/ CAT	08.1992->07.1995	Left	250-23032	
	8C, B4	110	ABC	w/ CAT	08.1992->07.1995	Right	250-23032	
2.6	8C, B4	110	ABC	w/o CAT	08.1992->07.1995	Left	250-23028	
	8C, B4	110	ABC	w/o CAT	08.1992->07.1995	Right	250-23028	
2.6	8C, B4	110	ACZ	w/ CAT	07.1993->07.1995	Left	250-23032	
	8C, B4	110	ACZ	w/ CAT	07.1993->07.1995	Right	250-23032	
2.6	8C, B4	110	ACZ	w/o CAT	07.1993->07.1995	Left	250-23028	
	8C, B4	110	ACZ	w/o CAT	07.1993->07.1995	Right	250-23028	
2.6 Quattro	8C, B4	110	ABC	w/ CAT	07.1993->06.1995	Left	250-23032	
	8C, B4	110	ABC	w/ CAT	07.1993->06.1995	Right	250-23032	
2.6 Quattro	8C, B4	110	ABC	w/o CAT	08.1992->06.1995	Left	250-23028	
	8C, B4	110	ABC	w/o CAT	08.1992->06.1995	Right	250-23028	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
80 AVANT (cont'd)								
2.6 Quattro	8C, B4	110	ACZ	w/ CAT	08.1992->06.1995	Left	250-23032	
	8C, B4	110	ACZ	w/ CAT	08.1992->06.1995	Right	250-23032	
2.6 Quattro	8C, B4	110	ACZ	w/o CAT	07.1993->07.1995	Left	250-23028	
	8C, B4	110	ACZ	w/o CAT	07.1993->07.1995	Right	250-23028	
2.8	8C, B4	128	AAH		09.1991->01.1996	Left	250-23028	
	8C, B4	128	AAH		09.1991->01.1996	Right	250-23028	
2.8 Quattro	8C, B4	128	AAH		08.1992->02.1993	Left	250-23032	
	8C, B4	128	AAH		08.1992->02.1993	Right	250-23032	
2.8 Quattro	8C, B4	128	AAH		02.1993->06.1995	Left	250-23028	
	8C, B4	128	AAH		02.1993->06.1995	Right	250-23028	
RS2 Quattro	8C, B4	232	ADU		03.1994->05.1995		250-23102	
S2 Quattro	8C, B4	169	ABY		02.1993->07.1995		250-23102	
90								
2.0	81, 85, B2	83	SK		03.1986->03.1987		250-21011	
	89, 89Q, 8A, B3	85	PS		07.1988->09.1991		250-23048	
2.0 20 V	89, 89Q, 8A, B3	118	NM		08.1989->07.1991		250-21011	
2.2	81, 85, B2	85	KX		01.1985->03.1987		250-21011	
2.2 E	89, 89Q, 8A, B3	100	NG		10.1988->07.1989		250-23048	
2.2 E Quattro	81, 85, B2	88	JT		08.1985->03.1987		250-23048	
2.3 E	89, 89Q, 8A, B3	98	NG		08.1989->09.1991		250-23048	
	89, 89Q, 8A, B3	100	NG		08.1987->07.1989		250-23048	
2.3 E 20V	89, 89Q, 8A, B3	123	7A		04.1990->07.1991		250-23048	
	89, 89Q, 8A, B3	125	7A		08.1988->07.1989		250-23048	
2.3 E 20V Quattro	89, 89Q, 8A, B3	123	7A		04.1990->09.1991		250-23048	
	89, 89Q, 8A, B3	125	7A		08.1989->09.1991		250-23048	
2.3 E Quattro	89, 89Q, 8A, B3	98	NG		04.1987->09.1991		250-23048	
	89, 89Q, 8A, B3	100	NG		04.1987->07.1991		250-23048	
100								
1.8	44, 44Q, C3	65	SH		08.1986->07.1988		250-21011	
	44, 44Q, C3	66	DS,NP		08.1983->07.1989		250-21011	
1.8 CAT	44, 44Q, C3	66	PH,4B		04.1985->11.1990		250-21011	
1.8 Quattro CAT	44, 44Q, C3	66	4B		08.1988->11.1990		250-21011	
	44, 44Q, C3	66	PH		08.1985->07.1988		250-23048	
1.9	43, C2	74	WH		08.1980->07.1982		250-21011	
2.0	44, 44Q, C3	83	SL		08.1986->11.1987		250-21011	
	44, 44Q, C3	85	KP		08.1984->12.1987		250-21011	
2.0	4A, C4	74	AAE	w/ CAT	12.1990->06.1994		250-23032	
	4A, C4	74	AAE	w/o CAT	12.1990->06.1994		250-23154	
2.0 CAT	44, 44Q, C3	85	RT		01.1988->11.1990		250-23048	
2.0 E	4A, C4	85	AAD	w/ CAT	01.1990->12.1992		250-23048	
	4A, C4	85	AAD	w/o CAT	01.1990->12.1992		250-23154	
	4A, C4	85	ABK		01.1993->06.1994		250-23048	
2.0 E Quattro	4A, C4	85	AAD	w/ CAT	12.1990->07.1992		250-23048	
	4A, C4	85	AAD	w/o CAT	12.1990->07.1992		250-23154	
2.0 E 16V	4A, C4	103	ACE		01.1992->06.1994		250-23048	
2.0 E 16V Quattro	4A, C4	103	ACE		07.1992->06.1994		250-23048	
2.1	43, C2	85	WE,WB		01.1978->07.1982		250-21011	
	43, C2	100	WC,WG		03.1977->07.1982		250-21011	
	44, 44Q, C3	100	WC		08.1992->07.1984		250-21011	
2.2	44, 44Q, C3	79	WU		08.1982->07.1984		250-21011	
	44, 44Q, C3	85	KZ		10.1984->09.1986		250-21011	
	44, 44Q, C3	101	KU		09.1984->12.1988		250-23048	
2.2 CAT	44, 44Q, C3	101	KU,HX		06.1989->11.1990		250-23048	
2.2 Quattro	44, 44Q, C3	101	KU		08.1984->12.1988		250-23048	
2.2 Quattro CAT	44, 44Q, C3	101	KU,HX		06.1989->11.1990		250-23048	
2.2 E Quattro	44, 44Q, C3	88	PX		08.1985->07.1986		250-23048	
2.2 E Turbo Quattro	44, 44Q, C3	121	MC		08.1986->11.1990		250-23048	
2.2 Turbo	44, 44Q, C3	121	MC		08.1986->11.1990		250-23048	
2.3 E	44, 44Q, C3	98	AAR		01.1990->11.1990		250-23048	
	4A, C4	98	AAR		12.1990->06.1993		250-23048	
	44, 44Q, C3	100	NF		10.1986->11.1990		250-23048	
2.3 E Quattro	44, 44Q, C3	100	NF		08.1986->11.1990		250-23048	
	4A, C4	98	AAR		12.1990->06.1994		250-23048	
2.6	4A, C4	102	ACZ	w/ CAT	07.1993->06.1994		250-23032	
	4A, C4	102	ACZ	w/o CAT	07.1993->06.1994		250-23028	
2.6	4A, C4	110	ABC	w/ CAT	04.1992->06.1994		250-23032	
	4A, C4	110	ABC	w/o CAT	04.1992->06.1994		250-23028	
2.6 Quattro	4A, C4	110	ABC	w/ CAT	04.1992->06.1994		250-23032	
	4A, C4	110	ABC	w/o CAT	04.1992->06.1994		250-23028	
2.8 E	4A, C4	128	AAH	w/ CAT	12.1990->06.1994		250-23032	
	4A, C4	128	AAH	w/o CAT	12.1990->06.1994		250-23028	
2.8 E Quattro	4A, C4	128	AAH	w/ CAT	12.1990->06.1994		250-23032	
	4A, C4	128	AAH	w/o CAT	12.1990->06.1994		250-23028	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
100 (cont'd)								
S4 Turbo Quattro	4A, C4	169	AAN	w/ CAT	08.1991->06.1994		250-23048	
	4A, C4	169	AAN	w/o CAT	08.1991->06.1994		250-23154	
S4 V8 Quattro	4A, C4	206	ABH		10.1992->06.1994		250-23048	
100 AVANT								
1.8	44, 44Q, C3	65	SH		01.1988->07.1988		250-21011	
	44, 44Q, C3	66	NP		01.1988->07.1989		250-21011	
1.8 CAT	44, 44Q, C3	66	PH,4B		08.1986->07.1989		250-21011	
1.8 Quattro CAT	44, 44Q, C3	66	4B		08.1988->10.1990		250-21011	
	44, 44Q, C3	66	PH		08.1985->07.1988		250-23048	
1.9	43, C2	74	WH		08.1980->07.1982		250-21011	
2.0	44, 44Q, C3	83	SL		09.1986->11.1987		250-21011	
	44, 44Q, C3	85	KP		08.1986->12.1987		250-21011	
2.0	4A, C4	74	AAE	w/ CAT	10.1991->06.1994		250-23032	
	4A, C4	74	AAE	w/o CAT	10.1991->06.1994		250-23154	
2.0	4A, C4	85	AAD	w/ CAT	10.1991->12.1992		250-23048	
	4A, C4	85	AAD	w/o CAT	10.1991->12.1992		250-23154	
	4A, C4	85	ABK		01.1993->06.1994		250-23048	
2.0 E 16V	4A, C4	103	ACE		07.1992->06.1994		250-23048	
2.0 E 16V Quattro	4A, C4	103	ACE		07.1992->06.1994		250-23048	
2.0 E CAT	44, 44Q, C3	85	RT		01.1988->11.1990		250-23048	
2.0 E Quattro	4A, C4	85	AAD	w/ CAT	12.1990->07.1992		250-23048	
	4A, C4	85	AAD	w/o CAT	12.1990->07.1992		250-23019	
2.1	43, C2	85	WE,WB		01.1978->07.1982		250-21011	
	43, C2	100	WC,WG		07.1977->07.1982		250-21011	
	44, 44Q, C3	100	WC		05.1983->07.1984		250-21011	
2.2	44, 44Q, C3	85	KZ		08.1986->09.1986		250-21011	
	44, 44Q, C3	101	KU		01.1988->12.1988		250-23048	
2.2 CAT	44, 44Q, C3	101	KU,HX		06.1989->07.1989		250-23048	
2.2 Quattro	44, 44Q, C3	101	KU		08.1986->12.1988		250-23048	
2.2 Quattro CAT	44, 44Q, C3	101	KU,HX		06.1989->11.1990		250-23048	
2.2 E Quattro	44, 44Q, C3	88	PX		08.1985->07.1986		250-23048	
2.2 Turbo	44, 44Q, C3	121	MC		08.1988->07.1989		250-23048	
2.2 Turbo Quattro	44, 44Q, C3	121	MC		08.1986->11.1990		250-23048	
2.3	44, 44Q, C3	98	AAR		03.1990->11.1990		250-23048	
	44, 44Q, C3	100	NF		01.1988->07.1989		250-23048	
2.3 Quattro	44, 44Q, C3	98	AAR		01.1990->11.1990		250-23048	
2.3 E	4A, C4	98	AAR		10.1991->06.1994		250-23048	
2.3 E Quattro	4A, C4	98	AAR		09.1991->06.1994		250-23048	
	44, 44Q, C3	100	NF		08.1986->11.1990		250-23048	
2.6	4A, C4	102	ACZ	w/ CAT	07.1993->06.1994		250-23032	
	4A, C4	102	ACZ	w/o CAT	07.1993->06.1994		250-23028	
2.6	4A, C4	110	ABC	w/ CAT	04.1992->06.1994		250-23032	
	4A, C4	110	ABC	w/o CAT	04.1992->06.1994		250-23028	
2.6 Quattro	4A, C4	110	ABC	w/ CAT	07.1992->06.1994		250-23032	
	4A, C4	110	ABC	w/o CAT	07.1992->06.1994		250-23028	
2.8 E	4A, C4	128	AAH	w/ CAT	09.1991->06.1994		250-23032	
	4A, C4	128	AAH	w/o CAT	09.1991->06.1994		250-23028	
2.8 E Quattro	4A, C4	128	AAH	w/ CAT	09.1991->06.1994		250-23032	
	4A, C4	128	AAH	w/o CAT	09.1991->06.1994		250-23028	
S4 Turbo Quattro	4A, C4	169	AAN	w/ CAT	09.1991->06.1994		250-23048	
	4A, C4	169	AAN	w/o CAT	09.1991->06.1994		250-23154	
S4 V8 Quattro	4A, C4	206	ABH		10.1992->06.1994		250-23048	
200								
2.1 5 E	43	100	WC		10.1979->09.1982		250-21011	
2.1 5 T	43	125	WJ		10.1979->08.1982		250-21011	
2.1 Turbo	44, 44Q	134	KG		08.1983->01.1988		250-21011	
2.1 Turbo Quattro	44, 44Q	134	KG		11.1984->09.1986		250-21011	
2.2 Turbo	44, 44Q	121	MC		08.1985->09.1991		250-23048	
2.2 Turbo Quattro	44, 44Q	121	MC		01.1985->12.1990		250-23048	
2.2 20V Turbo Quattro	44, 44Q	162	3B		03.1989->12.1990		250-23048	
2.3	44, 44Q	100	NF		11.1986->12.1990		250-23048	
200 AVANT								
2.1 Turbo Quattro	44, 44Q	134	KG		11.1984->12.1987		250-21011	
2.2 Turbo	44, 44Q	121	MC		08.1985->09.1991		250-23048	
2.2 Turbo Quattro	44, 44Q	121	MC		01.1985->11.1990		250-23048	
2.2 20V Turbo Quattro	44, 44Q	162	3B		07.1989->11.1990		250-23048	
A1								
1.2 TFSI	8X1, 8XF	63	CBZA		05.2010->up		250-25092	
1.4 TFSI	8X1, 8XF	103	CPTA		04.2012->up		250-25062	
1.6 TDI	8X1, 8XF	66	CAYB	Ireland	03.2011->up		250-25062	
	8X1, 8XF	77	CAYC	Ireland	05.2010->up		250-25062	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A1 SPORTBACK								
1.2 TFSI	8XA, 8XK	63	CBZA		01.2012->up		250-25092	
1.4 TFSI	8XA, 8XK	103	CPTA		04.2012->up		250-25062	
1.6 TDI	8XA, 8XK	66	CAYB	Ireland	11.2011->up		250-25062	
	8XA, 8XK	77	CAYC	Ireland	11.2011->up		250-25062	
A2								
1.4	8Z0	55	BBY, AUA		02.2000->08.2005			250-241002
1.6 FSI	8Z0	81	BAD		05.2002->08.2005		250-25007	
A3								
1.2 TSI	8P1	77	CBZB		04.2010->08.2012		250-25092	
1.4 TFSI	8P1	92	CAXC		09.2007->08.2012		250-241054	
1.6	8L1	74	AEH		09.1996->03.1997		250-24558	
	8L1	74	AEH		03.1997->07.1998		250-24560	
	8L1	74	AEH		08.1998->08.2000		250-24843	
1.6	8L1	74	AKL		08.1997->08.2000		250-24843	
	8L1	74	APF		08.1998->08.2000		250-25004	250-24432
1.6	8L1	75	AKL		09.2000->06.2003		250-24843	
	8L1	75	AVU		09.2000->04.2002		250-25004	250-24432
1.6	8L1	75	BFQ		05.2002->06.2003		250-25004	250-24432
	8P1	75	BGU		05.2003->05.2005		250-25061	250-24753
	8P1	75	BSE,BSF		06.2005->06.2008		250-25061	250-24753
1.6	8P1	75	BSE,BSF,CCS		07.2008->up	Left	250-25061	250-24753
	8P1	75	BSE,BSF,CCS		07.2008->up	Right	250-25061	250-24753
	1.6 FSI	8P1	85	BAG		08.2003->05.2004		250-25002
1.6	8P1	85	BLF		01.2005->06.2008		250-25034	250-24699
	8P1	85	BLP		06.2004->12.2004		250-25034	
	1.8	8L1	92	AGN		09.1996->06.2001		250-24558
1.8	8L1	92	APG		08.1998->06.2003		250-25003	250-24432
	1.8 T	8L1	110	AGU		12.1996->07.1997		250-24146
1.8 T	8L1	110	AGU		08.1997->06.2003		250-24558	
	8L1	110	AQA		08.1998->08.2000		250-24734	
	8L1	110	ARZ		08.1998->08.2000		250-24734	250-24432
1.8 T	8L1	110	AUM		09.2000->06.2003		250-25003	250-24734
	8L1	132	AJO		12.1998->08.2000		250-24734	
	8L1	132	APP		07.1999->05.2000		250-24734	250-24432
1.8 T Quattro	8L1	132	ARY,AUQ		09.2000->06.2003		250-25003	250-24734
	8L1	110	AGU		08.1997->07.1998		250-24558	
	8L1	110	AQA		08.1998->08.2000		250-24170	
1.8 T Quattro	8L1	110	ARX		09.2000->06.2003		250-25003	
	8L1	132	AJO		11.1998->08.2000		250-24170	
	8L1	132	ARY		09.2000->06.2003		250-25003	250-24432
1.8 TFSI	8P1	118	BYT		01.2007->06.2007		250-24755	
	8P1	118	BZB		06.2007->06.2008		250-24671	
	8P1	118	CDA		07.2008->up		250-25035	250-24699
1.8 TFSI Quattro	8P1	118	CDA		07.2008->up		250-25035	250-24699
1.9 TDI	8P1	77	BLS		10.2005->up			800-95004
2.0 FSI	8P1	110	AXW		05.2003->05.2004	Cyl 1, 4	250-25033	250-24717
	8P1	110	AXW		05.2003->05.2004	Cyl 2, 3	250-25077	250-24717
2.0 FSI	8P1	110	BLR		01.2005->11.2005	Cyl 1, 4	250-25033	250-24717
	8P1	110	BLR		01.2005->11.2005	Cyl 2, 3	250-25077	250-24717
2.0 FSI	8P1	110	BLX		06.2004->01.2005	Cyl 1, 4	250-25033	250-24717
	8P1	110	BLX		06.2004->01.2005	Cyl 2, 3	250-25077	250-24717
2.0 FSI	8P1	110	BLY		06.2004->01.2005		250-25078	250-24717
	8P1	110	BMB		01.2004->01.2005	Cyl 1, 4	250-25033	250-24717
2.0 FSI	8P1	110	BMB		01.2004->01.2005	Cyl 2, 3	250-25077	250-24717
	8P1	110	BVY		11.2005->07.2006	Cyl 1, 4	250-25033	250-24717
2.0 FSI	8P1	110	BVY		11.2005->07.2006	Cyl 2, 3	250-25077	250-24717
	8P1	110	BVZ		11.2005->06.2008		250-25078	250-24717
	2.0 TDI	8P1	100	CBA,F		07.2008->up		800-95004
2.0 TDI	8P1	103	BMM		06.2005->up			800-95004
	8P1	120	BUY		06.2006->06.2008		250-25065	
	8P1	125	BMN		03.2006->08.2012		250-25065	
2.0 TDI Quattro	8P1	125	CBB,F		09.2008->up			800-95004
	8P1	103	BMM		01.2006->up			800-95004
	8P1	125	BMN		03.2006->08.2012		250-25065	
2.0 TDI 16V	8P1	125	CBB,F		09.2008->up			800-95004
	8P1	103	CBA,F		07.2008->up			800-95004
2.0 TDI 16V Quattro	8P1	103	CBA,F		09.2008->up			800-95004
2.0 TFSI	8P1	147	AXX		09.2005->06.2008		250-25035	250-24699
	8P1	147	BWA		09.2005->06.2008		250-25035	250-24699
2.0 TFSI	8P1	147	CAW		10.2007->06.2008		250-24671	
	8P1	147	CCZ		07.2008->up		250-25035	250-24699
2.0 TFSI Quattro	8P1	147	AXX		09.2004->10.2005		250-25035	250-24699
	8P1	147	BWA		09.2005->06.2008		250-25035	250-24699



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A3 (cont'd)								
3.2 V6 Quattro	8P1	184	BDB		07.2003->08.2004	Left	250-25037	250-24954
	8P1	184	BDB		07.2003->08.2004	Right	250-25040	250-24699
3.2 V6 Quattro	8P1	184	BMJ		09.2004->10.2005	Left	250-25037	250-24954
	8P1	184	BMJ		09.2004->10.2005	Right	250-25040	250-24699
3.2 V6 Quattro	8P1	184	BUB		11.2005->06.2008	Left	250-25026	250-24954
	8P1	184	BUB		11.2005->06.2008	Right	250-25035	250-24699
S3 Quattro	8L1	154	AMK		12.2000->04.2002		250-25002	250-24432
	8L1	154	APY,AUL		03.1999->09.2000		250-24495	250-24432
	8L1	154	AUL		09.2000->04.2002		250-25002	250-24170
S3 Quattro	8L1	165	BAM		10.2001->up		250-25002	250-24432
	8P1	188	BZC		06.2007->06.2008		250-25035	250-24717
	8P1	188	CDL		07.2008->up		250-25035	250-24717
S3 Quattro	8P1	195	BHZ,BZC,CDL		11.2006->up		250-25035	250-24717
A3 CABRIOLET								
1.2 TFSI	8P7	77	CBZB		03.2010->up		250-25092	
1.8 TFSI		118	BZB,CDA		04.2008->up		250-24671	
1.9 TDI		77	BLS		04.2008->up			800-95004
2.0 TDI		103	CBA,F		04.2008->up			800-95004
2.0 TFSI		147	CAW		04.2008->up		250-24671	
A3 SPORTBACK								
1.2 TSI	8PA	77	CBZB		04.2010->up		250-25092	
1.4 TFSI	8PA	92	CAXC		09.2007->up		250-241054	
1.6	8PA	75	BGU		09.2004->05.2005		250-25061	250-24753
	8PA	75	BSE,BSF,CCS		06.2005->up	Left	250-25061	250-24753
	8PA	75	BSE,BSF,CCS		06.2005->up	Right	250-25061	250-24753
1.6 FSI	8PA	85	BLF		01.2005->09.2007		250-25034	250-24699
	8PA	85	BLP		09.2004->12.2004		250-25034	
1.8 TFSI	8PA	118	BYT		01.2007->06.2007		250-24755	
	8PA	118	BZB		06.2007->06.2008		250-24671	
	8PA	118	CDA		07.2008->up		250-25035	250-24699
1.8 TFSI Quattro	8PA	118	CDA		07.2008->up		250-25035	250-24699
1.9 TDI	8PA	77	BLS		10.2005->6.2008			800-95004
2.0 FSI	8PA	110	BLR		01.2005->10.2005	Cyl 1, 4	250-25033	250-24717
	8PA	110	BLR		01.2005->10.2005	Cyl 2, 3	250-25077	250-24717
2.0 FSI	8PA	110	BLX		09.2004->01.2005	Cyl 1, 4	250-25033	250-24717
	8PA	110	BLX		09.2004->01.2005	Cyl 2, 3	250-25077	250-24717
	8PA	110	BLY		09.2004->10.2005		250-25078	250-24717
2.0 FSI	8PA	110	BMB		09.2004->10.2005	Cyl 1, 4	250-25033	250-24717
	8PA	110	BMB		09.2004->10.2005	Cyl 2, 3	250-25077	250-24717
2.0 FSI	8PA	110	BVY		11.2005->06.2008	Cyl 1, 4	250-25033	250-24717
	8PA	110	BVY		11.2005->06.2008	Cyl 2, 3	250-25077	250-24717
	8PA	110	BVZ		11.2005->06.2008		250-25078	250-24717
2.0 TDI	8PA	100	CBA,F		07.2008->up			800-95004
	8PA	103	BMM		06.2005->up			800-95004
2.0 TDI	8PA	120	BUY		06.2006->06.2008		250-25065	
	8PA	125	BMN		03.2006->up		250-25065	
	8PA	125	CBB,F		09.2008->up			800-95004
2.0 TDI Quattro	8PA	103	BMM		01.2006->up			800-95004
	8PA	125	BMN		03.2006->up		250-25065	
	8PA	125	CBB,F		09.2008->up			800-95004
2.0 TDI 16V	8PA	103	CBA,F		07.2008->up			800-95004
2.0 TDI 16V Quattro	8PA	103	CBA,F		09.2008->up			800-95004
2.0 TFSI	8PA	147	AXX		09.2004->12.2005		250-25035	250-24699
	8PA	147	BWA		09.2004->06.2008		250-25035	250-24699
	8PA	147	CAW		10.2007->06.2008		250-24671	
2.0 TFSI Quattro	8PA	147	AXX		09.2004->10.2005		250-25035	250-24699
	8PA	147	BWA		09.2005->up		250-25035	250-24699
3.2 V6 Quattro	8PA	184	BMJ		09.2004->10.2005	Left	250-25037	250-24954
	8PA	184	BMJ		09.2004->10.2005	Right	250-25040	250-24699
3.2 V6 Quattro	8PA	184	BUB		11.2005->up	Left	250-25026	250-24954
	8PA	184	BUB		11.2005->up	Right	250-25035	250-24699
S3 Quattro	8PA	195	CDL		07.2008->up		250-25035	250-24717
A4								
1.6	8D2, B5	74	ADP,AHL,ARM		01.1995->07.2000		250-24555	
	8D2, B5	74	ANA		11.1994->10.2000		250-241057	250-241051
1.6	8E2, B6	75	ALZ		12.2000->06.2008		250-241057	250-241051
	8E2, B6	75	ALZ		05.2002->12.2004		250-24577	250-24494
	8EC	75	ALZ		12.2004->up		250-24494	250-24577
1.8	8D2, B5	85	AFY	To Ch. No. 8D..X..199 999	04.1995->12.1998		250-24555	
	8D2, B5	85	AFY		02.1999->11.2000		250-24843	
1.8	8D2, B5	92	ADR	To Ch. No. 8D..X..199 999	01.1995->12.1998		250-24555	
	8D2, B5	92	ADR		02.1999->04.1999		250-24843	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A5 (cont'd)								
S5 Quattro	8T	260	CAU		06.2007->up	Left	250-25038	250-24692
	8T	260	CAU		06.2007->up	Right	250-25038	250-24692
A6								
1.8	4A, C4	92	ADR		07.1996->10.1997		250-24719	
	4B, C5	85	AFY	To Ch. No. 4B..X.036 900	05.1997->10.1998		250-24555	
	4B, C5	85	AFY	Fr.Ch. No. X-036 901	10.1998->08.2000		250-24843	
1.8	4B, C5	92	AJP	To Ch. No. 4B..X.036 900	12.1997->10.1998		250-24555	
	4B, C5	92	AJP	Fr.Ch. No. X-036 901	10.1998->04.1999		250-24843	
	4B, C5	92	ANQ		09.1999->01.2005		250-24555	
	4B, C5	92	AQE,ARH		01.1999->05.2001		250-24843	
1.8 Quattro	4A, C4	92	ADR		12.1995->10.1997		250-24719	
1.8 T	4B, C5	110	AEB		04.1997->01.1999		250-24417	
	4B, C5	110	ANB		01.1999->05.2001		250-24843	250-24432
	4B, C5	110	APU		11.1998->05.2001		250-24843	
1.8 T	4B, C5	110	ARK		01.1999->05.1999		250-24843	
	4B, C5	110	AWT		05.2000->05.2004		250-25004	250-24432
	4B, C5	132	AJL		12.1997->05.2001		250-24417	
1.8 T Quattro	4B, C5	110	AEB		04.1997->01.1999		250-24417	
	4B, C5	110	ANB		01.1999->05.2001		250-24843	250-24432
	4B, C5	110	APU		11.1998->05.2001		250-24843	
1.8 T Quattro	4B, C5	110	ARK		01.1999->05.1999		250-24843	
	4B, C5	110	AWT		05.2000->05.2004		250-25004	250-24432
	4B, C5	132	AJL		12.1997->05.2001		250-24417	
2.0	4A, C4	74	AAE	w/ CAT	07.1995->06.1996		250-23032	
	4A, C4	74	AAE	w/o CAT	07.1995->06.1996		250-23154	
	4A, C4	85	ABK		07.1994->10.1997		250-23048	
	4B, C5	96	ALT		08.2001->05.2004		250-25004	250-24432
2.0 16V	4A, C4	103	ACE		07.1994->10.1997		250-23048	
2.0 16V Quattro	4A, C4	103	ACE		07.1994->10.1997		250-23048	
2.0 TDI	4F2	100	CAG		10.2005->up			800-95016
	4F2	103	BRE		06.2005->10.2008			800-95007
	4F2	125	CAHA		11.2008->up			800-95016
2.0 TFSI	4F2	125	BPJ		06.2005->up		250-25031	250-24671
2.3	4A, C4	98	AAR		07.1994->12.1995		250-23048	
2.3 Quattro	4A, C4	98	AAR		07.1994->12.1995		250-23048	
2.4	4B, C5	100	ALW	To Ch. No. X-067 800	07.1998->12.1998	Left	250-24719	
	4B, C5	100	ALW	To Ch. No. X-067 800	07.1998->12.1998	Right	250-24719	
	4B, C5	100	ALW	Fr.Ch. No. X..067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	100	ALW	Fr.Ch. No. X..067 801	12.1998->01.1999	Right	250-24395	
2.4	4B, C5	100	ARN		01.1999->05.2001	Left	250-24395	
	4B, C5	100	ARN		01.1999->05.2001	Right	250-24395	
	4B, C5	100	ASM		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	100	ASM		06.2000->05.2001	Right	250-24395	250-24414
	4B, C5	100	ASM		06.2001->05.2004	Left	250-24432	250-24493
	4B, C5	100	ASM		06.2001->05.2004	Right	250-24432	250-24493
2.4	4B, C5	115	APC		04.1998->12.1998	Left	250-24719	
	4B, C5	115	APC		04.1998->12.1998	Right	250-24719	
	4B, C5	115	APC	Fr.Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	115	APC	Fr.Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	
	4B, C5	120	AJG		04.1997->12.1998	Left	250-24719	
	4B, C5	120	AJG		04.1997->12.1998	Right	250-24719	
2.4	4B, C5	120	AJG	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	120	AJG	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
	4B, C5	120	AMM		06.2001->05.2004	Left	250-24432	250-24493
	4B, C5	120	AMM		06.2001->05.2004	Right	250-24432	250-24493
	4B, C5	120	APZ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	120	APZ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	120	APZ		12.1998->05.2001	Left	250-24395	
	4B, C5	120	APZ		12.1998->05.2001	Right	250-24395	
2.4	4B, C5	121	AFM		02.1997->03.1997		250-23028	
	4B, C5	121	AGA	To Ch. No. X-067 800	04.1997->12.1998	Left	250-24719	
	4B, C5	121	AGA	To Ch. No. X-067 800	04.1997->12.1998	Right	250-24719	
	4B, C5	121	AGA,ALF	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	121	AGA,ALF	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
	4B, C5	121	ALF	To Ch. No. X-067 800	06.1997->12.1998	Left	250-24719	
	4B, C5	121	ALF	To Ch. No. X-067 800	06.1997->12.1998	Right	250-24719	
2.4	4B, C5	121	AML		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	121	AML		06.2000->05.2001	Right	250-24395	250-24414
	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	121	APS,ARJ	Fr.Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	121	APS,ARJ	Fr.Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A6 (cont'd)								
2.4	4B, C5	121	ARJ		01.1999->05.2001	Left	250-24395	
	4B, C5	121	ARJ		01.1999->05.2001	Right	250-24395	
	4B, C5	125	AMM		08.2001->01.2005	Left	250-24395	250-24414
	4B, C5	125	AMM		08.2001->01.2005	Right	250-24395	250-24414
	4B, C5	125	BDV		08.2001->05.2004	Left	250-24432	250-24493
	4B, C5	125	BDV		08.2001->05.2004	Right	250-24432	250-24493
	4F2	130	BDW		05.2004->10.2008	Left	250-25017	250-24670
	4F2	130	BDW		05.2004->10.2008	Right	250-25017	250-24669
2.4 Quattro	4B, C5	115	APC	To Ch. No. X-067 800	08.1998->12.1998	Left	250-24719	
	4B, C5	115	APC	To Ch. No. X-067 800	08.1998->12.1998	Right	250-24719	
	4B, C5	115	APC	Fr.Ch. No. X-067 801	12.1988->07.1999	Left	250-24395	
	4B, C5	115	APC	Fr.Ch. No. X-067 801	12.1988->07.1999	Right	250-24395	
	4B, C5	120	AJG	To Ch. No. X-067 800	05.1997->12.1998	Left	250-24719	
	4B, C5	120	AJG	To Ch. No. X-067 800	05.1997->12.1998	Right	250-24719	
	4B, C5	120	AJG	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	120	AJG	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
2.4 Quattro	4B, C5	120	APZ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	120	APZ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	120	APZ	Fr.Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	120	APZ	Fr.Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	
	4B, C5	121	AGA		04.1997->12.1998	Left	250-24719	
	4B, C5	121	AGA		04.1997->12.1998	Right	250-24719	
	4B, C5	121	AGA,ALF	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	121	AGA,ALF	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
2.4 Quattro	4B, C5	121	ALF		06.1997->12.1998	Left	250-24719	
	4B, C5	121	ALF		06.1997->12.1998	Right	250-24719	
	4B, C5	121	AML		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	121	AML		06.2000->05.2001	Right	250-24395	250-24414
	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	121	APS	Fr.Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	121	APS	Fr.Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	
2.4 Quattro	4B, C5	121	ARJ	Fr.Ch. No. X-067 801	12.1998->07.1999	Left	250-24395	
	4B, C5	121	ARJ	Fr.Ch. No. X-067 801	12.1998->07.1999	Right	250-24395	
	4B, C5	121	ARJ		01.1999->05.2001	Left	250-24395	
	4B, C5	121	ARJ		01.1999->05.2001	Right	250-24395	
	4B, C5	125	BDV		08.2001->05.2004	Left	250-24432	250-24493
	4B, C5	125	BDV		08.2001->05.2004	Right	250-24432	250-24493
	4F2	130	BDW		01.2005->10.2008	Left	250-25017	250-24670
	4F2	130	BDW		01.2005->10.2008	Right	250-25017	250-24669
2.6	4A, C4	102	ACZ		06.1994->10.1997		250-23032	
	4A, C4	110	ABC		07.1994->10.1997		250-23032	
2.6 Quattro	4A, C4	110	ABC		07.1994->03.1997		250-23028	
2.7 T	4B, C5	169	AJK		02.1999->05.2001	Left	250-24395	
	4B, C5	169	AJK		02.1999->05.2001	Right	250-24395	
2.7 T Quattro	4B, C5	169	AJK		03.1998->07.1998	Left	250-24719	
	4B, C5	169	AJK		03.1998->07.1998	Right	250-24719	
	4B, C5	169	AJK		02.1999->05.2001	Left	250-24395	
	4B, C5	169	AJK		02.1999->05.2001	Right	250-24395	
2.7 T Quattro	4B, C5	184	ARE		08.2001->06.2002	Left	250-24432	250-24493
	4B, C5	184	ARE		08.2001->06.2002	Right	250-24432	250-24493
	4B, C5	184	BES		07.2002->05.2004	Left	250-24432	250-24493
	4B, C5	184	BES		07.2002->05.2004	Right	250-24432	250-24493
2.7 TDI	4F2, C6	120	BSG		01.2005->09.2008		800-95007	800-95007
	4F2, C6	132	BPP		11.2004->09.2008		800-95007	800-95007
	4F2, C6	132	CAN		10.2008->up		800-95007	800-95007
	4F2, C6	140	CANA		10.2008->03.2011		800-95007	800-95007
2.7 TDI Quattro	4F2, C6	120	BSG		06.2005->09.2008		800-95007	800-95007
	4F2, C6	120	CAN		10.2008->up		800-95007	800-95007
	4F2, C6	132	BPP		06.2005->09.2008		800-95007	800-95007
	4F2, C6	132	CAN		10.2008->up		800-95007	800-95007
	4F2, C6	140	CANC		10.2008->03.2011		800-95007	800-95007
2.8	4A, C4	128	AAH		07.1994->10.1997		250-23028	
	4A, C4	128	AEJ		07.1995->10.1997		250-23028	
	4A, C4	142	ACK		12.1995->10.1997		250-24719	
	4B, C5	132	AGE		10.1997->07.1998	Left	250-24719	
	4B, C5	132	AGE		10.1997->07.1998	Right	250-24719	
	4B, C5	132	AGE	Fr.Ch. No. X-067 801	10.1997->07.1998	Left	250-24395	
	4B, C5	132	AGE	Fr.Ch. No. X-067 801	10.1997->07.1998	Right	250-24395	
	4B, C5	140	APR		07.1999->01.2005	Left	250-24395	
2.8	4B, C5	140	APR		07.1999->01.2005	Right	250-24395	
	4B, C5	140	ATX		07.1999->05.2001	Left	250-24395	
	4B, C5	140	ATX		07.1999->05.2001	Right	250-24395	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic	
AUDI (cont'd)									
A6 (cont'd)									
2.8	4B, C5	142	ACK	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395		
	4B, C5	142	ACK	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395		
	4B, C5	142	ACK		04.1997->01.2005	Left	250-24719		
	4B, C5	142	ACK		04.1997->01.2005	Right	250-24719		
2.8	4B, C5	142	ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395		
	4B, C5	142	ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395		
	4B, C5	142	ALG		08.1998->01.2005	Left	250-24719		
	4B, C5	142	ALG		08.1998->01.2005	Right	250-24719		
	4B, C5	142	AMX		06.2000->05.2001	Left	250-24395	250-24414	
	4B, C5	142	AMX		06.2000->05.2001	Right	250-24395	250-24414	
2.8	4B, C5	142	APR,AOD		11.1998->12.1998	Left	250-24719		
	4B, C5	142	APR,AOD		11.1998->12.1998	Right	250-24719		
	4B, C5	142	APR,AOD		12.1998->05.2001	Left	250-24395		
	4B, C5	142	APR,AOD		12.1998->05.2001	Right	250-24395		
2.8 Quattro	4A, C4	128	AAH		07.1994->10.1997		250-23028		
	4A, C4	128	AEJ		07.1995->10.1997		250-23028		
	4A, C4	142	ACK		12.1995->10.1997		250-24719		
	4B, C5	132	AGE	To Ch. No. X067800	04.1998->12.1998	Left	250-24719		
	4B, C5	132	AGE	To Ch. No. X067800	04.1998->12.1998	Right	250-24719		
	4B, C5	132	AGE	Fr.Ch. No. X067801	01.1998->04.2000	Left	250-24395		
2.8 Quattro	4B, C5	132	AGE	Fr.Ch. No. X067801	01.1998->04.2000	Right	250-24395		
	4B, C5	140	ATX		07.1999->05.2001	Left	250-24395		
	4B, C5	140	ATX		07.1999->05.2001	Right	250-24395		
	4B, C5	142	ACK	To Ch. No. X-067 800	04.1997->12.1998	Left	250-24719		
	4B, C5	142	ACK	To Ch. No. X-067 800	04.1997->12.1998	Right	250-24719		
	4B, C5	142	ACK	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395		
	4B, C5	142	ACK	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395		
	4B, C5	142	ALG	To Ch. No. X-067 800	06.1997->12.1998	Left	250-24719		
	4B, C5	142	ALG	To Ch. No. X-067 800	06.1997->12.1998	Right	250-24719		
	4B, C5	142	ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395		
	4B, C5	142	ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395		
	2.8 Quattro	4B, C5	142	AMX		06.2000->05.2001	Left	250-24395	250-24414
4B, C5		142	AMX		06.2000->05.2001	Right	250-24395	250-24414	
4B, C5		142	APR		01.1999->05.2001	Left	250-24395		
4B, C5		142	APR		01.1999->05.2001	Right	250-24395		
4B, C5		142	AOD	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719		
4B, C5		142	AOD	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719		
4B, C5		142	AOD	Fr.Ch. No. X-067 801	12.1998->05.2001	Left	250-24395		
4B, C5		142	AOD	Fr.Ch. No. X-067 801	12.1998->05.2001	Right	250-24395		
2.8 FSI		4F2	140	CCD		10.2008->up	Cyl 1-3	250-25017	250-24669
		4F2	140	CCD		10.2008->up	Cyl 4-6	250-25017	250-24670
	4F2	154	BDX		11.2006->09.2008	Cyl 1-3	250-25017	250-24669	
	4F2	154	BDX		11.2006->09.2008	Cyl 4-6	250-25017	250-24670	
	4F2	162	CCE		10.2008->up	Cyl 1-3	250-25017	250-24669	
	4F2	162	CCE		10.2008->up	Cyl 4-6	250-25017	250-24670	
2.8 FSI Quattro	4F2	140	CCD		10.2008->up	Cyl 1-3	250-25017	250-24669	
	4F2	140	CCD		10.2008->up	Cyl 4-6	250-25017	250-24670	
	4F2	154	BDX		06.2007->09.2008	Cyl 1-3	250-25017	250-24669	
	4F2	154	BDX		06.2007->09.2008	Cyl 4-6	250-25017	250-24670	
	4F2	162	CCE		10.2008->up	Cyl 1-3	250-25017	250-24669	
	4F2	162	CCE		10.2008->up	Cyl 4-6	250-25017	250-24670	
3.0	4B, C5	162	ASN		08.2001->05.2004	Left	250-25003	250-24493	
	4B, C5	162	ASN		08.2001->05.2004	Right	250-25003	250-24493	
	4F2	160	BBJ		08.2004->05.2006	Left	250-25007	250-24671	
	4F2	160	BBJ		08.2004->05.2006	Right	250-25007	250-24672	
3.0 Quattro	4B, C5	162	ASN		08.2001->05.2004	Left	250-25003	250-24493	
	4B, C5	162	ASN		08.2001->05.2004	Right	250-25003	250-24493	
	4F2	160	BBJ	A/T	05.2004->05.2006	Left	250-25007	250-24671	
	4F2	160	BBJ	A/T	05.2004->05.2006	Right	250-25007	250-24672	
	4F2	160	BBJ	M/T	05.2004->05.2006	Left	250-25003	250-24493	
	4F2	160	BBJ	M/T	05.2004->05.2006	Right	250-25003	250-24493	
3.0 TDI Quattro	4F2, C6	155	BNG		05.2004->09.2008			800-95007	
	4F2, C6	155	CDY		10.2008->03.2011			800-95007	
	4F2, C6	165	BMK		05.2004->05.2006			800-95007	
	4F2, C6	171	ASB		06.2006->09.2008			800-95007	
	4F2, C6	171	CDY		10.2008->up			800-95007	
	4F2, C6	176	CDYA,CDYC		10.2008->03.2011			800-95007	
	4F2	213	CAJ		10.2008->up		250-25017	250-24669	
	4F2	213	CAJ		10.2008->up		250-25017	250-24670	
	3.2 FSI	4F2	188	AUK,BKH		05.2004->10.2008	Left	250-25017	250-24669
4F2		188	AUK,BKH		05.2004->10.2008	Right	250-25017	250-24670	
3.2 FSI Quattro	4F2	188	AUK,BKH		05.2004->10.2008	Left	250-25017	250-24669	
	4F2	188	AUK,BKH		05.2004->10.2008	Right	250-25017	250-24670	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic	
AUDI (cont'd)									
A6 (cont'd)									
4.2 Quattro	4B, C5	220	ARS		04.1999->05.2001	Left	250-24395		
	4B, C5	220	ARS		04.1999->05.2001	Right	250-24395		
4B, C5	4B, C5	220	ASG		06.2000->5.2004	Left	250-24395	250-24414	
	4B, C5	220	ASG		06.2000->5.2004	Right	250-24395	250-24414	
4F2	4F2	246	BAT		05.2004->05.2006	Left	250-25019	250-24672	
	4F2	246	BAT		05.2004->05.2006	Right	250-25019	250-24671	
	4.2 FSI Quattro	4F2	257	BVJ		06.2006->09.2008	Cyl 1-4	250-25019	250-24954
		4F2	257	BVJ		06.2006->09.2008	Cyl 5-8	250-25019	250-24955
4F2	4F2	257	BVJ		10.2008->up	Cyl 1-4	250-25019	250-24955	
	4F2	257	BVJ		10.2008->up	Cyl 5-8	250-25019	250-24954	
RS6	4B, C5	331	BCY		07.2002->04.2004	Left	250-24394	250-24414	
	4B, C5	331	BCY		07.2002->04.2004	Right	250-24394	250-24414	
RS6 Quattro	4F2	426	BUH		09.2008->up	Cyl 1-5	250-25015	250-24717	
	4F2	426	BUH		09.2008->up	Cyl 6-10	250-25027	250-24717	
S6 4.2 Quattro	4A, C4	213	AEC		07.1994->10.1997		250-23048		
S6 Plus Quattro	4A, C4	240	AHK		06.1996->10.1997	Left	250-24417		
	4A, C4	240	AHK		06.1996->10.1997	Right	250-24417		
S6 Quattro	4B, C5	250	ANK		09.2000->05.2004	Left	250-24395	250-24414	
	4B, C5	250	ANK		09.2000->05.2004	Right	250-24395	250-24414	
	4B, C5	250	AQJ		09.1999->05.2001	Left	250-24395		
	4B, C5	250	AQJ		09.1999->05.2001	Right	250-24395		
S6 Quattro	4F2	320	BXA		06.2006->up	Cyl 1-3	250-25038	250-24692	
	4F2	320	BXA		06.2006->up	Cyl 4-5	250-25015	250-24699	
	4F2	320	BXA		06.2006->up	Cyl 6-8	250-25030	250-24955	
	4F2	320	BXA		06.2006->up	Cyl 9-10	250-25027	250-24767	
S6 Turbo Quattro	4A, C4	169	AAN	RH Drive	06.1994->10.1997		250-23048		
	4A, C4	169	AAN		07.1994->10.1997		250-23102		
	4A, C4	169	AAN	w/o CAT	07.1994->10.1997		250-23154		
A6 ALLROAD									
2.7 TDI Quattro	4FH, C6	120	BSG		05.2006->10.2008			800-95007	
	4FH, C6	120	CAN		10.2008->up			800-95007	
	4FH, C6	132	BPP		05.2006->10.2008			800-95007	
	4FH, C6	132	CAN		10.2008->up			800-95007	
	4FH, C6	140	CANC		10.2008->up			800-95007	
3.0 TDI Quattro	4FH, C6	155	BNG		05.2006->10.2008			800-95007	
	4FH, C6	155	CDY		10.2008->up			800-95007	
	4FH, C6	171	ASB		05.2006->10.2008			800-95007	
	4FH, C6	171	CDY		10.2008->up			800-95007	
	4FH, C6	176	CDYA		10.2008->up			800-95007	
3.0 TFSI Quattro	4FH	213	CAJ		10.2008->up	Left	250-25017	250-24669	
	4FH	213	CAJ		10.2008->up	Right	250-25017	250-24670	
3.2 FSI Quattro	4FH	188	AUK		05.2006->10.2008	Left	250-25017	250-24670	
	4FH	188	AUK		05.2006->10.2008	Right	250-25017	250-24669	
4.2 FSI Quattro	4FH	257	BVJ		05.2006->10.2008	Cyl 1-4	250-25019	250-24671	
	4FH	257	BVJ		05.2006->10.2008	Cyl 5-8	250-25019	250-24672	
	4FH	257	BVJ		10.2008->up	Cyl 1-4	250-25019	250-24955	
	4FH	257	BVJ		10.2008->up	Cyl 5-8	250-25019	250-24954	
A6 AVANT									
1.8	4A, C4	92	ADR		12.1995->10.1997		250-24719		
	4B, C5	85	AFY	To Ch. No. 4B.X.036 900	02.1998->10.1998		250-24555		
	4B, C5	85	AFY	Fr.Ch. No. X-036 901	10.1998->05.2001		250-24843		
	4B, C5	92	AJP	To Ch. No. 4B.X.036 900	02.1998->10.1998		250-24555		
	4B, C5	92	AJP	Fr.Ch. No. X-036 901	10.1998->04.1999		250-24843		
	4B, C5	92	AQE,ARH		01.1999->05.2001		250-24843		
1.8 Quattro	4A, C4	92	ADR		12.1995->09.1997		250-24719		
1.8 T	4B, C5	110	AEB		02.1998->01.1999		250-24417		
	4B, C5	110	AJL		02.1998->07.1998		250-24417		
	4B, C5	110	ANB		01.1999->05.2001		250-24843	250-24432	
	4B, C5	110	APU		11.1998->05.2001		250-24843		
	4B, C5	110	ARK		01.1999->05.1999		250-24843		
1.8 T	4B, C5	110	ARK,AEB,ANB,APU		05.2000->01.2005		250-25004		
	4B, C5	110	AWT		05.2000->01.2005		250-25004	250-24432	
	4B, C5	132	AJL		04.1999->05.2001		250-24417		
1.8 T Quattro	4B, C5	110	AEB		02.1998->01.1999		250-24417		
	4B, C5	110	ANB		01.1999->05.2001		250-24843	250-24432	
	4B, C5	110	APU		11.1998->05.2001		250-24843		
	4B, C5	110	ARK		01.1999->04.1999		250-24843		
	4B, C5	110	AWT		05.2000->01.2005		250-25004	250-24432	
	4B, C5	132	AJL		02.1998->05.2001		250-24417		
	4B, C5	132	AJL		02.1998->05.2001		250-24417		
2.0	4A, C4	74	AAE		06.1994->08.1996		250-23019		
	4A, C4	85	ABK		07.1994->06.1996		250-23048		
	4B, C5	96	ALT		08.2001->01.2005		250-25004	250-24432	
2.0 16V	4A, C4	103	ACE		07.1994->09.1997		250-23048		



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A6 AVANT (cont'd)								
2.0 16V Quattro	4A, C4	103	ACE		07.1994->09.1997		250-23048	
2.0 TDI	4F5	100	CAG		10.2008->up			800-95016
	4F5	103	BRE		06.2005->09.2008			800-95007
	4F5	103	BRE		06.2005->09.2008			800-95007
	4F5	125	CAHA		10.2008->up			800-95016
2.0 TFSI	4F5	125	BPJ		06.2005->up		250-25031	250-24671
	4F5	125	BPJ		06.2005->up		250-25031	250-24671
2.3	4A, C4	98	AAR		07.1994->12.1995		250-23048	
2.3 Quattro	4A, C4	98	AAR		08.1994->12.1995		250-23048	
2.4	4A, C4	110	AFM		07.1996->09.1997		250-23028	
	4B, C5	100	ALW	To Ch. No. X-067 800	07.1998->12.1998	Left	250-24719	
	4B, C5	100	ALW	To Ch. No. X-067 800	07.1998->12.1998	Right	250-24719	
	4B, C5	100	ALW	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	100	ALW	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
	4B, C5	100	ARN		01.1999->05.2001	Left	250-24395	
	4B, C5	100	ARN		01.1999->05.2001	Right	250-24395	
2.4	4B, C5	100	ASM		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	100	ASM		06.2000->05.2001	Right	250-24395	250-24493
	4B, C5	100	ASM		06.2001->01.2005	Left	250-24432	250-24414
	4B, C5	100	ASM		06.2001->01.2005	Right	250-24432	250-24493
	4B, C5	115	APC	To Ch. No. X-067 800	04.1998->12.1998	Left	250-24719	
	4B, C5	115	APC	To Ch. No. X-067 800	04.1998->12.1998	Right	250-24719	
	4B, C5	115	APC	Fr.Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	115	APC	Fr.Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	
	4B, C5	115	APC		04.1998->12.1998	Right	250-24719	
2.4	4B, C5	120	AJG,APZ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	120	AJG,APZ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	120	AJG	Fr.Ch. No. X-067 801	12.1298->01.1999	Left	250-24395	
	4B, C5	120	AJG	Fr.Ch. No. X-067 801	12.1298->01.1999	Right	250-24395	
	4B, C5	120	AMM		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	120	AMM		06.2000->05.2001	Right	250-24395	250-24493
	4B, C5	120	AMM		06.2001->01.2005	Left	250-24432	250-24414
	4B, C5	120	AMM		06.2001->01.2005	Right	250-24432	250-24493
2.4	4B, C5	120	APZ		12.1998->05.2001	Left	250-24395	
	4B, C5	120	APZ		12.1998->05.2001	Right	250-24395	
	4B, C5	121	AGA	Fr.Ch. No. X-067 800	12.1997->12.1998	Left	250-24719	
	4B, C5	121	AGA	Fr.Ch. No. X-067 800	12.1997->12.1998	Right	250-24719	
	4B, C5	121	AGA	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	121	AGA	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
2.4	4B, C5	121	ALF	Fr.Ch. No. X-067 800	02.1998->12.1998	Left	250-24719	
	4B, C5	121	ALF	Fr.Ch. No. X-067 800	02.1998->12.1998	Right	250-24719	
	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	121	APS	Fr. Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	250-24414
	4B, C5	121	APS	Fr. Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	250-24414
2.4	4B, C5	125	BDV		08.2001->01.2005	Left	250-24432	250-24493
	4B, C5	125	BDV		08.2001->01.2005	Right	250-24432	250-24493
	4F5	130	BDW		03.2005->10.2008	Left	250-25017	250-24670
	4F5	130	BDW		03.2005->10.2008	Right	250-25017	250-24669
2.4 Quattro	4B, C5	115	APC	To Ch. No. X-067 800	08.1998->12.1998	Left	250-24719	
	4B, C5	115	APC	To Ch. No. X-067 800	08.1998->12.1998	Right	250-24719	
	4B, C5	115	APC	Fr. Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	115	APC	Fr. Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	
	4B, C5	120	AJG		02.1998->12.1998	Left	250-24719	
	4B, C5	120	AJG		02.1998->12.1998	Right	250-24719	
	4B, C5	120	APZ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	120	APZ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
2.4 Quattro	4B, C5	120	APZ,AJG	Fr. Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	120	APZ,AJG	Fr. Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	
	4B, C5	121	AGA,ALF	To Ch. No. X-067 800	02.1998->12.1998	Left	250-24719	
	4B, C5	121	AGA,ALF	To Ch. No. X-067 800	02.1998->12.1998	Right	250-24719	
	4B, C5	121	AGA,ALF	Fr. Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	121	AGA,ALF	Fr. Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
	4B, C5	121	AML		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	121	AML		06.2000->05.2001	Right	250-24395	250-24414
2.4 Quattro	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	121	APS,ARJ	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	121	APS,ARJ	Fr. Ch. No. X-067 801	12.1998->05.2001	Left	250-24395	
	4B, C5	121	APS,ARJ	Fr. Ch. No. X-067 801	12.1998->05.2001	Right	250-24395	
	4B, C5	121	ARJ		01.1999->05.2001	Left	250-24395	
	4B, C5	121	ARJ		01.1999->05.2001	Right	250-24395	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A6 AVANT (cont'd)								
2.4 Quattro	4B, C5	125	BDV		08.2001->01.2005	Left	250-24432	250-24493
	4B, C5	125	BDV		08.2001->01.2005	Right	250-24432	250-24493
	4F5	130	BDW		03.2005->10.2008	Left	250-25017	250-24670
	4F5	130	BDW		03.2005->10.2008	Right	250-25017	250-24669
2.6	4A, C4	102	ACZ		07.1995->02.1997		250-23032	
	4A, C4	110	ABC		07.1994->09.1997		250-23032	
2.6 Quattro	4A, C4	110	ABC		07.1994->09.1997		250-23028	
2.7 T	4B, C5	169	AJK		02.1999->05.2001	Left	250-24395	
	4B, C5	169	AJK		02.1999->05.2001	Right	250-24395	
	4B, C5	169	AZA		09.2000->05.2001	Left	250-24395	250-24414
2.7 T Quattro	4B, C5	169	AZA		09.2000->05.2001	Right	250-24395	250-24414
	4B, C5	169	AJK		02.1999->05.2001	Left	250-24395	250-24414
	4B, C5	169	AJK		02.1999->05.2001	Right	250-24395	250-24414
2.7 T Quattro	4B, C5	169	AJK,AZA		03.1998->07.1998	Left	250-24719	
	4B, C5	169	AJK,AZA		03.1998->07.1998	Right	250-24719	
	4B, C5	169	AZA		09.2000->05.2001	Left	250-24395	250-24414
	4B, C5	169	AZA		09.2000->05.2001	Right	250-24395	250-24414
	4B, C5	184	ARE		08.2001->06.2002	Left	250-24432	250-24493
	4B, C5	184	ARE		08.2001->06.2002	Right	250-24432	250-24493
2.7 T Quattro	4B, C5	184	BES		08.2001->01.2005	Left	250-24432	250-24493
	4B, C5	184	BES		08.2001->01.2005	Right	250-24432	250-24493
	4F5, C6	120	BSG		03.2005->09.2008			800-95007
	4F5, C6	120	CAN		10.2008->up			800-95007
2.7 TDI	4F5, C6	132	BPP		03.2005->09.2008			800-95007
	4F5, C6	132	CAN		10.2008->up			800-95007
	4F5, C6	140	CANA		10.2008->08.2011			800-95007
	4F5, C6	120	BSG		06.2005->08.2011			800-95007
	4F5, C6	120	CAN		06.2005->08.2011			800-95007
2.7 TDI Quattro	4F5, C6	132	BPP,BSG		06.2005->09.2008			800-95007
	4F5, C6	132	CAN		10.2008->up			800-95007
	4F5, C6	140	CANC		10.2008->08.2011			800-95007
	4A, C4	128	AAH		07.1994->09.1997		250-23028	
	4A, C4	128	AEJ		07.1995->09.1997		250-23028	
2.8	4A, C4	142	ACK		12.1995->09.1997		250-24719	
	4B, C5	132	AGE	Fr. Ch. No. X-067 801	12.1997->07.1998	Left	250-24395	
	4B, C5	132	AGE	Fr. Ch. No. X-067 801	12.1997->07.1998	Right	250-24395	
	4B, C5	132	AGE		02.1998->07.1998	Left	250-24719	
	4B, C5	132	AGE		02.1998->07.1998	Right	250-24719	
	4B, C5	140	ATX		07.1999->05.2001	Left	250-24395	
	4B, C5	140	ATX		07.1999->05.2001	Right	250-24395	
	4B, C5	142	ACK		02.1998->07.1998	Left	250-24719	
	4B, C5	142	ACK		02.1998->07.1998	Right	250-24719	
	4B, C5	142	ACK,ALG	To Ch. No. X-067 800	02.1998->12.1998	Left	250-24719	
2.8	4B, C5	142	ACK,ALG	To Ch. No. X-067 800	02.1998->12.1998	Right	250-24719	
	4B, C5	142	ACK,ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	142	ACK,ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
	4B, C5	142	AMX		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	142	AMX		06.2000->05.2001	Right	250-24395	250-24414
	4B, C5	142	APR,AQD	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	142	APR,AQD	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
	4B, C5	142	APR,AQD		12.1998->05.2001	Left	250-24395	
2.8 Quattro	4B, C5	142	APR,AQD		12.1998->05.2001	Right	250-24395	
	4A, C4	128	AAH		07.1994->09.1997		250-23028	
	4A, C4	128	AEJ		07.1995->09.1997		250-23028	
	4A, C4	142	ACK		12.1995->09.1997		250-24719	
	4B, C5	142	ACK	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	142	ACK	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
	4B, C5	142	ACK,ALG		02.1998->12.1998	Left	250-24719	
	4B, C5	142	ACK,ALG		02.1998->12.1998	Right	250-24719	
	4B, C5	142	ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Left	250-24395	
	4B, C5	142	ALG	Fr.Ch. No. X-067 801	12.1998->01.1999	Right	250-24395	
2.8 Quattro	4B, C5	142	AMX		06.2000->05.2001	Left	250-24395	250-24414
	4B, C5	142	AMX		06.2000->05.2001	Right	250-24395	250-24414
	4B, C5	142	APR		01.1999->05.2001	Left	250-24395	
	4B, C5	142	APR		01.1999->05.2001	Right	250-24395	
	4B, C5	142	AQD	To Ch. No. X-067 800	11.1998->12.1998	Left	250-24719	
	4B, C5	142	AQD	To Ch. No. X-067 800	11.1998->12.1998	Right	250-24719	
2.8 Quattro	4B, C5	142	AQD	Fr.Ch. No. X-067 801	12.1998->07.1999	Left	250-24395	
	4B, C5	142	AQD	Fr.Ch. No. X-067 801	12.1998->07.1999	Right	250-24395	
	4B, C5	142	ATX		07.1999->05.2001	Left	250-24395	
	4B, C5	142	ATX		07.1999->05.2001	Right	250-24395	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A6 AVANT (cont'd)								
2.8 FSI	4F5	140	CCDA		10.2008->up	Cyl 1-3	250-25017	250-24669
	4F5	140	CCDA		10.2008->up	Cyl 4-6	250-25017	250-24670
	4F5	154	BDX		11.2006->09.2008	Cyl 1-3	250-25017	250-24669
	4F5	154	BDX		11.2006->09.2008	Cyl 4-6	250-25017	250-24670
	4F5	162	CCEA		10.2008->up	Cyl 1-3	250-25017	250-24669
	4F5	162	CCEA		10.2008->up	Cyl 4-6	250-25017	250-24670
2.8 FSI Quattro	4F5	140	CCDA		10.2008->up	Cyl 1-3	250-25017	250-24669
	4F5	140	CCDA		10.2008->up	Cyl 4-6	250-25017	250-24670
	4F5	154	BDX		06.2007->09.2008	Cyl 1-3	250-25017	250-24669
	4F5	154	BDX		06.2007->09.2008	Cyl 4-6	250-25017	250-24670
	4F5	162	CCEA		10.2008->up	Cyl 1-3	250-25017	250-24669
	4F5	162	CCEA		10.2008->up	Cyl 4-6	250-25017	250-24670
3.0	4B, C5	162	ASN		08.2001->01.2005	Left	250-25003	250-24493
	4B, C5	162	ASN		08.2001->01.2005	Right	250-25003	250-24493
3.0 Quattro	4B, C5	162	ASN		08.2001->01.2005	Left	250-25003	250-24493
	4B, C5	162	ASN		08.2001->01.2005	Right	250-25003	250-24493
	4F5	160	BBJ	A/T	03.2005->05.2006	Left	250-25007	250-24671
	4F5	160	BBJ	A/T	03.2005->05.2006	Right	250-25007	250-24672
	4F5	160	BBJ	M/T	03.2005->05.2006	Left	250-25003	250-24493
	4F5	160	BBJ	M/T	03.2005->05.2006	Right	250-25003	250-24493
3.0 TDI Quattro	4F5, C6	155	BNG		03.2005->09.2008		800-95007	800-95007
	4F5, C6	155	CDY		10.2008->08.2011		800-95007	800-95007
	4F5, C6	165	BMK		03.2005->05.2006		800-95007	800-95007
	4F5, C6	171	ASB		06.2006->09.2008		800-95007	800-95007
	4F5, C6	171	CDY		10.2008->up		800-95007	800-95007
	4F5, C6	176	CDYA,CDYC		10.2008->08.2011		800-95007	800-95007
3.0 TFSI Quattro	4F5	213	CAJA		10.2008->up	Cyl 1-3	250-25017	250-24669
	4F5	213	CAJA		10.2008->up	Cyl 4-6	250-25017	250-24670
3.2 FSI	4F5	188	AUK		03.2005->10.2008	Left	250-25017	250-24670
	4F5	188	AUK		03.2005->10.2008	Right	250-25017	250-24669
3.2 FSI Quattro	4F5	188	AUK		03.2005->10.2008	Left	250-25017	250-24670
	4F5	188	AUK		03.2005->10.2008	Right	250-25017	250-24669
	4B, C5	220	ARS		04.1999->05.2001	Left	250-24395	
4.2 Quattro	4B, C5	220	ARS		04.1999->05.2001	Right	250-24395	
	4B, C5	220	ASG		06.2001->01.2005	Left	250-24395	250-24414
	4B, C5	220	ASG		06.2001->01.2005	Right	250-24395	250-24414
	4F5	246	BAT		03.2005->up	Left	250-25019	250-24672
	4F5	246	BAT		03.2005->up	Right	250-25019	250-24671
	4F5	257	BVJ		06.2006->up	Left	250-25019	250-24954
4.2 FSI Quattro	4F5	257	BVJ		06.2006->up	Right	250-25019	250-24955
	4B, C5	331	BCY		07.2002->09.2004	Left	250-24394	250-24414
RS6	4B, C5	331	BCY		07.2002->09.2004	Right	250-24394	250-24414
	4B, C5	353	BRV		04.2004->09.2004	Left	250-24394	250-24414
RS6 Plus	4B, C5	353	BRV		04.2004->09.2004	Right	250-24394	250-24414
	4B, C5	353	BRV		04.2004->09.2004	Right	250-24394	250-24414
RS6 Quattro	4F5	426	BUH		04.2008->up	Cyl 1-5	250-25015	250-24717
	4F5	426	BUH		04.2008->up	Cyl 6-10	250-25027	250-24717
S6 4.2 Quattro	4A, C4	213	AEC		07.1994->10.1997		250-23048	
S6 Plus Quattro	4A, C4	240	AHK		06.1996->10.1997	Left	250-24417	
	4A, C4	240	AHK		06.1996->10.1997	Right	250-24417	
S6 Quattro	4B, C5	250	ANK		06.2001->01.2005	Left	250-24395	250-24414
	4B, C5	250	ANK		06.2001->01.2005	Right	250-24395	250-24414
	4B, C5	250	AQJ		09.1999->05.2001	Left	250-24395	
	4B, C5	250	AQJ		09.1999->05.2001	Right	250-24395	
S6 Quattro	4F5	320	BXA		06.2006->up	Cyl 1-3	250-25038	250-24692
	4F5	320	BXA		06.2006->up	Cyl 4-5	250-25015	250-24699
	4F5	320	BXA		06.2006->up	Cyl 6-8	250-25030	250-24955
	4F5	320	BXA		06.2006->up	Cyl 9-10	250-25027	250-24767
S6 Turbo Quattro	4A, C4	169	AAN	RH Drive	07.1994->07.1997		250-23048	
	4A, C4	169	AAN		07.1994->07.1997		250-23102	
	4A, C4	169	AAN	w/o CAT	07.1994->07.1997		250-23154	
A8								
2.8	4D2, 4D8	120	AEJ		07.1995->03.1996	Left	250-23028	
	4D2, 4D8	120	AEJ		07.1995->03.1996	Right	250-23028	
	4D2, 4D8	128	AAH		06.1994->03.1996	Left	250-23028	
	4D2, 4D8	128	AAH		06.1994->03.1996	Right	250-23028	
	4D2, 4D8	142	ACK		04.1996->12.1998	Left	250-24719	
	4D2, 4D8	142	ACK		04.1996->12.1998	Right	250-24719	
2.8	4D2, 4D8	142	ALG		10.1997->12.1998	Left	250-24719	
	4D2, 4D8	142	ALG		10.1997->12.1998	Right	250-24719	
	4D2, 4D8	142	AMX		05.2000->09.2002	Left	250-24395	250-24414
	4D2, 4D8	142	AMX		05.2000->09.2002	Right	250-24395	250-24414
	4D2, 4D8	142	APR,AQD		10.1998->02.2001	Left	250-24395	250-24414
	4D2, 4D8	142	APR,AQD		10.1998->02.2001	Right	250-24395	250-24414



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A8 (cont'd)								
2.8 Quattro	4D2, 4D8	120	AEJ		07.1995->03.1996	Left	250-23028	
	4D2, 4D8	120	AEJ		07.1995->03.1996	Right	250-23028	
	4D2, 4D8	128	AAH		06.1994->03.1996	Left	250-23028	
	4D2, 4D8	128	AAH		06.1994->03.1996	Right	250-23028	
	4D2, 4D8	142	ACK		04.1996->12.1998	Left	250-24719	
2.8 Quattro	4D2, 4D8	142	ACK		04.1996->12.1998	Right	250-24719	
	4D2, 4D8	142	ALG		10.1997->12.1998	Left	250-24719	
	4D2, 4D8	142	ALG		10.1997->12.1998	Right	250-24719	
	4D2, 4D8	142	AMX		05.2000->09.2002	Left	250-24395	250-24414
	4D2, 4D8	142	AMX		05.2000->09.2002	Right	250-24395	250-24414
2.8 FSI	4D2, 4D8	142	APR,AQD		10.1998->02.2001	Left	250-24395	250-24414
	4D2, 4D8	142	APR,AQD		10.1998->02.2001	Right	250-24395	250-24414
	4E_	154	BDX		09.2007->up	Cyl 1-3	250-25058	
3.0	4E_	154	BDX		09.2007->up	Cyl 4-6	250-25064	
	4E_	160	BBJ		07.2003->05.2006	Left	250-25008	250-24432
	4E_	160	BBJ		07.2003->05.2006	Right	250-25004	250-24432
3.0 Long Quattro	4E_	162	ASN		08.2003->05.2005	Left	250-25008	250-24432
	4E_	162	ASN		08.2003->05.2005	Right	250-25004	250-24432
	4E_	160	BBJ		11.2003->05.2004	Left	250-25008	250-24432
	4E_	160	BBJ		11.2003->05.2004	Right	250-25004	250-24432
3.0 TDI Quattro	4E_	162	ASN		08.2003->11.2003	Left	250-25008	250-24432
	4E_	162	ASN		08.2003->11.2003	Right	250-25004	250-24432
	4E_	155	BNG		11.2003->10.2007		800-95002	800-95002
	4E_	171	ASB		01.2004->10.2007		800-95002	800-95002
3.2 FSI	4E_	191	BPK		06.2005->10.2007	Cyl 1-3	250-25058	
	4E_	191	BPK		06.2005->10.2007	Cyl 4-6	250-25064	
3.2 FSI Quattro	4E_	191	BPK		06.2005->up	Cyl 1-3	250-25058	
	4E_	191	BPK		06.2005->up	Cyl 4-6	250-25064	
3.7	4D2, 4D8	169	AEW		07.1995->12.1998	Left	250-24147	
	4D2, 4D8	169	AEW		07.1995->12.1998	Right	250-24147	
	4D2, 4D8	169	AKJ		06.1997->12.1998	Left	250-24147	
	4D2, 4D8	169	AKJ		06.1997->12.1998	Right	250-24147	
	4D2, 4D8	191	AKC,AQG		11.1998->09.2002	Left	250-24393	250-24430
3.7 Quattro	4D2, 4D8	191	AKC,AQG		11.1998->09.2002	Right	250-24393	250-24430
	4D2, 4D8	169	AKJ,AEW		04.1997->11.1998	Left	250-24147	
	4D2, 4D8	169	AKJ,AEW		04.1997->11.1998	Right	250-24147	
	4D2, 4D8	191	AKC		05.2000->09.2002	Left	250-24393	250-24430
	4D2, 4D8	191	AKC		05.2000->09.2002	Right	250-24393	250-24430
3.7 Quattro	4D2, 4D8	191	AQG		11.1998->02.2001	Left	250-24393	
	4D2, 4D8	191	AQG		11.1998->02.2001	Right	250-24393	
	4E_	206	BFL		11.2002->up	Left	250-25008	250-24494
4.0 TFSI quattro	4E_	206	BFL		11.2002->up	Right	250-25004	250-24494
	4H_	309	CEUA		03.2012->up	Cyl 1-4		250-24955
	4H_	309	CEUA		03.2012->up	Cyl 5-8		250-24954
4.2 Quattro	4D2, 4D8	175	ARU		02.1999->04.2000	Left	250-24393	250-24430
	4D2, 4D8	175	ARU		02.1999->04.2000	Right	250-24393	250-24430
	4D2, 4D8	180	AEM		06.1994->07.1996	Left	250-24147	
	4D2, 4D8	180	AEM		06.1994->07.1996	Right	250-24147	
	4D2, 4D8	210	AGH		07.1995->09.1998	Left	250-24147	
	4D2, 4D8	210	AGH		07.1995->09.1998	Right	250-24147	
	4D2, 4D8	220	ABZ		03.1994->07.1996	Left	250-24147	
4.2 Quattro	4D2, 4D8	220	ABZ		03.1994->07.1996	Right	250-24147	
	4D2, 4D8	220	ABZ		10.1998->11.1998	Left	250-24393	
	4D2, 4D8	220	ABZ		10.1998->11.1998	Right	250-24393	
	4D2, 4D8	220	AKG		06.1997->11.1998	Left	250-24147	
	4D2, 4D8	220	AKG		06.1997->11.1998	Right	250-24147	
	4D2, 4D8	228	ABZ		11.1998->12.1998	Left	250-24147	
	4D2, 4D8	228	ABZ		11.1998->12.1998	Right	250-24147	
4.2 Quattro	4D2, 4D8	228	AQF		11.1998->02.2001	Left	250-24393	
	4D2, 4D8	228	AQF		11.1998->02.2001	Right	250-24393	
	4D2, 4D8	228	AUW		05.2000->09.2002	Left	250-24393	250-24430
	4D2, 4D8	228	AUW		05.2000->09.2002	Right	250-24393	250-24430
	4E_	246	BFM		11.2002->05.2006	Left	250-25008	250-24494
4.2 FSI Quattro	4E_	246	BFM		11.2002->05.2006	Right	250-25004	250-24494
	4E_	257	BVJ		06.2006->10.2007	Cyl 1-4	250-25039	250-24955
	4E_	257	BVJ		06.2006->10.2007	Cyl 5-8	250-25027	250-24671
4.2 TDI Quattro	4E_	235	BMC		07.2005->up			800-95002
	4E_	240	BVN		07.2005->up			800-95002
6.0 W12 Quattro	4E_	331	BHT,BTE		02.2004->10.2007	Cyl 1-3	250-25002	250-24493
	4E_	331	BHT,BTE		02.2004->10.2007	Cyl 4-6	250-25007	250-24697
	4E_	331	BHT,BTE		02.2004->10.2007	Cyl 7-9	250-25021	250-24689
	4E_	331	BHT,BTE		02.2004->10.2007	Cyl 10-12	250-25020	250-24689



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
A8 (cont'd)								
6.0 W12 Quattro	4E_	331	BHT,BTE		11.2007->up	Cyl 1-3	250-25019	250-24493
	4E_	331	BHT,BTE		11.2007->up	Cyl 4-6	250-25027	250-24697
	4E_	331	BHT,BTE		11.2007->up	Cyl 7-9	250-25028	250-24689
	4E_	331	BHT,BTE		11.2007->up	Cyl 10-12	250-25028	250-24689
6.3 W12 quattro	4H_	368	CEJA		01.2011->up	Cyl 1-3		250-24955
	4H_	368	CEJA		01.2011->up	Cyl 7-9		250-24954
S8 Quattro	4D2, 4D8	250	AHC		07.1996->12.1998	Left	250-24147	
	4D2, 4D8	250	AHC		07.1996->12.1998	Right	250-24147	
	4D2, 4D8	250	AKH		09.1996->12.1998	Left	250-24147	
	4D2, 4D8	250	AKH		09.1996->12.1998	Right	250-24147	
	4D2, 4D8	265	AQH,AVPAYS,BCS		06.1999->09.2002	Left	250-24393	250-24394
	4D2, 4D8	265	AQH,AVPAYS,BCS		06.1999->09.2002	Right	250-24393	250-24394
S8 Quattro	4E_	331	BSM		06.2006->09.2007	Cyl 1-3	250-25019	
	4E_	331	BSM		06.2006->09.2007	Cyl 4-5	250-25032	
	4E_	331	BSM		06.2006->09.2007	Cyl 1-5		•250-24699
	4E_	331	BSM		06.2006->09.2007	Cyl 6-8	250-25030	
	4E_	331	BSM		06.2006->09.2007	Cyl 9-10	250-25041	
	4E_	331	BSM		06.2006->09.2007	Cyl 6-10		•250-24692
	4E_	331	BSM		10.2007->up	Cyl 1-3	250-25025	
S8 Quattro	4E_	331	BSM		10.2007->up	Cyl 4-5	250-25037	
	4E_	331	BSM		10.2007->up	Cyl 1-5		•250-24699
	4E_	331	BSM		10.2007->up	Cyl 6-8	250-25025	
	4E_	331	BSM		10.2007->up	Cyl 9-10	250-25037	
	4E_	331	BSM		10.2007->up	Cyl 6-10		•250-24692
	4E_	331	BSM		10.2007->up	Cyl 6-10		•250-24692
ALLROAD								
2.7 T Quattro	4BH	184	BES,ARE	To Ch. No. 1-200 000	05.2000->06.2001	Left	250-24395	250-24414
	4BH	184	BES,ARE	To Ch. No. 1-200 000	05.2000->06.2001	Right	250-24395	250-24414
	4BH	184	BES,ARE	Fr.Ch. No. 2-000 001	01.2001->06.2002	Left	250-24432	250-24493
	4BH	184	BES,ARE	Fr.Ch. No. 2-000 001	01.2001->06.2002	Right	250-24432	250-24493
4.2 V8 Quattro	4BH	220	BAS		09.2002->08.2005		250-25002	250-24493
	4BH	220	BAS		09.2002->08.2005		250-25002	250-24493
CABRIOLET								
1.8	8G7, B4	92	ADR		01.1997->08.2000		250-24555	
2.0 16V	8G7, B4	103	ACE		06.1995->07.1996		250-23048	
2.0 E	8G7, B4	85	ABK	w/CAT	01.1993->07.1998		250-23048	
	8G7, B4	85	ABK	w/o CAT	01.1993->07.1998		250-23154	
2.3 E	8G7, B4	98	NG		06.1991->07.1994		250-23048	
2.6	8G7, B4	110	ABC		01.1994->08.2000	Left	250-23032	
	8G7, B4	110	ABC		01.1994->08.2000	Right	250-23032	
2.8	8G7, B4	128	AAH		11.1992->08.2000	Left	250-23028	
	8G7, B4	128	AAH		11.1992->08.2000	Right	250-23028	
COUPE								
1.8 GT	81, 85	65	SF		04.1986->10.1988		250-21011	
	81, 85	66	DS		09.1982->07.1988		250-21011	
	81, 85	68	JN		01.1985->07.1988		250-21011	
	81, 85	79	PV		08.1986->10.1987		250-23048	
2.0	89, 8B	82	3A	w/ CAT	03.1990->07.1990		250-23048	
	89, 8B	82	3A	w/o CAT	03.1990->07.1990		250-23019	
	89, 8B	83	3A	w/CAT	08.1989->03.1990		250-23048	
	89, 8B	83	3A	w/o CAT	08.1989->03.1990		250-23154	
	89, 8B	85	AAD	w/CAT	08.1990->07.1991		250-23048	
	89, 8B	85	AAD	w/o CAT	08.1990->07.1991		250-23019	
2.0	89, 8B	85	ABK	w/CAT	08.1991->01.1996		250-23048	
	89, 8B	85	ABK	w/o CAT	08.1991->01.1996		250-23154	
	89, 8B	101	6A		01.1992->07.1992		250-23048	
	89, 8B	103	ACE		08.1992->03.1995		250-23048	
2.2 Quattro	81, 85	88	JT		08.1985->12.1987		250-23048	
2.2 GT	81, 85	85	KX		01.1984->10.1987		250-21011	
2.3	81, 85	100	NG		01.1987->07.1988		250-23048	
	89, 8B	98	NG		03.1990->05.1994		250-23048	
	89, 8B	100	NG		11.1988->05.1994		250-23048	
2.3 Quattro	81, 85	100	NG		01.1987->12.1987		250-23048	
	89, 8B	98	NG		07.1991->07.1994		250-23048	
	89, 8B	100	NG		11.1988->12.1992		250-23048	
2.3 20V	89, 8B	123	7A		08.1990->07.1991		250-23048	
	89, 8B	125	7A		08.1989->07.1991		250-23048	
2.3 20V Quattro	89, 8B	123	7A		05.1990->07.1991		250-23048	
	89, 8B	125	7A		11.1988->07.1991		250-23048	
2.6	89, 8B	110	ABC	w/CAT	08.1992->01.1996		250-23032	
	89, 8B	110	ABC	w/o CAT	08.1992->01.1996		250-23028	
2.6 Quattro	89, 8B	110	ABC	To Ch. No. S-000 544	08.1992->08.1994		250-23032	
	89, 8B	110	ABC	Fr. Ch. No. S-000 545	08.1994->05.1995		250-23028	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
COUPE (cont'd)								
2.8	89, 8B	128	AAH	To Ch. No. N-015 000	09.1991->07.1992		250-23032	
	89, 8B	128	AAH	Fr. Ch. No. P-000 001	08.1992->03.1995		250-23028	
2.8 Quattro	89, 8B	128	AAH	To Ch. No. P-004 500	08.1991->01.1993		250-23032	
	89, 8B	128	AAH	Fr. Ch. No. P-004 501	01.1993->05.1995		250-23028	
S2 Quattro	89, 8B	162	3B		09.1990->09.1992		250-23048	
	89, 8B	169	ABY	w/CAT	10.1992->05.1995		250-23048	
	89, 8B	169	ABY	w/o CAT	10.1992->05.1995		250-23154	
Q5								
2.0 TDI	8R	125	CAHA		11.2008->up			800-95016
2.0 TFSI	8R	155	CDN		11.2008->up		250-25025	250-24955
3.2 FSI	8R	199	CALB		11.2008->up	Left	250-25017	250-24753
	8R	199	CALB		11.2008->up	Right	250-25017	250-24753
Q7								
3.0 TDI	4L	155	BUN		03.2006->11.2007			800-95007
	4L	155	CAS		11.2007->up			800-95007
	4L	171	BUG		03.2006->11.2007			800-95007
	4L	176	CASA,CCMA		11.2007->up			800-95007
3.0 TDI	4L	180	CRCA		05.2011->up	Left	250-25081	
	4L	180	CRCA		05.2011->up	Right		250-24994
3.0 TFSI	4L	200	CJWC, CJTC		05.2010->up	Left	250-25081	
	4L	200	CJTC, CJWC		05.2010->up	Right		250-24994
	4L	245	CJWB, CNA, CJTB		05.2010->up	Left	250-25081	
	4L	245	CJTB, CNA, CJWB, CTWA		05.2010->up	Right		250-24994
3.6 FSI	4L	206	BHK		08.2006->up	Left	250-25034	250-24699
	4L	206	BHK		08.2006->up	Right	250-25025	250-24671
4.2 FSI	4L	257	BAR		03.2006->up	Left	250-25003	250-24717
	4L	257	BAR		03.2006->up	Right	250-25008	250-24726
QUATTRO								
2.2 20V	85	162	RR		08.1989->07.1991		250-23048	
R8								
4.2 FSI Quattro		309	BYH		04.2007->up	Cyl 1-4	250-25015	250-24762
		309	BYH		04.2007->up	Cyl 5-8	250-25027	250-24671
RS4								
4.2i Quattro V8 32V		309			11.2005->06.2008	Cyl 5-8		250-24954
RS4 AVANT								
4.2i Quattro V8 32V		309			11.2005->06.2008	Cyl 5-8		250-24954
RS4 CABRIOLET								
4.2i Quattro V8 32V		309			05.2006->10.2008	Cyl 5-8		250-24954
4.2i Tip Quattro V8 32V		309			05.2006->10.2008	Cyl 5-8		250-24954
S6								
5.2FSi Tip Quattro V10		320			06.2006->08.2011	Cyl 6-8		250-24955
S6 AVANT								
5.2FSi Tip Quattro V10		320			06.2006->08.2011	Cyl 6-8		250-24955
TT								
1.8 T	8N3	110	AUM		09.2002->06.2006		250-25003	250-24734
	8N3	120	BVP		09.2005->06.2006		250-25003	
	8N3	132	AJQ		11.1999->08.2000		250-24734	
	8N3	132	AUQ		09.2000->06.2006		250-25003	250-24734
	8N3	140	BVR		09.2005->06.2006		250-25003	250-24734
1.8 T Quattro	8N3	132	AJQ		10.1998->08.2000		250-24170	
	8N3	132	ARY		09.2000->08.2002		250-25003	250-24432
	8N3	132	AUQ		06.2005->06.2006		250-25003	250-24734
	8N3	140	BVR		09.2005->06.2006		250-25003	250-24432
	8N3	165	APX		10.1998->08.2001		250-24263	
1.8 T Quattro	8N3	165	APX	RH Drive	10.1998->08.2001		250-24495	
	8N3	165	BAM	To Ch. No. 1-034 000	09.2000->01.2001		250-25002	250-24170
	8N3	165	BAM	Fr. Ch. No. 1-034 000	01.2001->06.2006		250-25002	250-24432
	8N3	176	BFV		03.2005->06.2006		250-25002	250-24432
2.0 TFSI	8J3	147	BWA		10.2006->up		250-25035	250-24762
2.0 TFSI Quattro	8J3	200	CDL		06.2008->up		250-25035	250-24762
3.2 V6 Quattro	8J3	184	BUB		10.2006->up	Left	250-25026	250-24755
	8J3	184	BUB		10.2006->up	Right	250-25035	250-24762
3.2 VR6 Quattro	8N3	184	BHE		07.2003->06.2006	Left	250-25004	250-24431
	8N3	184	BHE		07.2003->06.2006	Right	250-25008	250-24494
TT ROADSTER								
1.8 T	8N9	110	AUM		01.2001->06.2006		250-25003	250-24734
	8N9	120	BVP		09.2005->06.2006		250-25003	250-24734
	8N9	132	AJQ		10.1999->08.2000		250-24734	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
AUDI (cont'd)								
TT ROADSTER (cont'd)								
1.8 T	8N9	132	APP		10.1999->10.2001		250-24734	250-24432
	8N9	132	AUQ		09.2000->06.2006		250-25003	250-24734
	8N9	140	BVR		09.2005->06.2006		250-25003	250-24734
1.8 T Quattro	8N9	132	AJQ		02.2000->08.2000		250-24170	
	8N9	132	ARY		09.2000->05.2005		250-25003	250-24432
	8N9	132	AUQ		06.2005->06.2006		250-25003	250-24734
1.8 T Quattro	8N9	140	BVR		09.2005->06.2006		250-25003	250-24432
	8N9	165	APX	LH Drive	01.2001->08.2001		250-24263	
	8N9	165	APX	RH Drive	10.1999->08.2001		250-24495	
2.0 TFSI	8N9	165	BAM	To Ch. No. 1-034 000	09.2000->01.2001		250-25002	250-24170
	8N9	165	BAM	Fr.Ch. No. 1-034 001	01.2001->06.2006		250-25002	250-24432
2.0 TFSI Quattro	8J9	147	BWA		02.2007->up		250-25035	250-24762
2.0 TFSI Quattro	8J9	200	CDL		06.2008->up		250-25035	250-24762
3.2 V6 Quattro	8J9	184	BUB		03.2007->up	Left	250-25026	250-24755
	8J9	184	BUB		03.2007->up	Right	250-25035	250-24762
3.2 VR6 Quattro	8N9	184	BHE		07.2003->06.2006	Left	250-25004	250-24431
	8N9	184	BHE		07.2003->06.2006	Right	250-25008	250-24494
V8								
3.6 Quattro	44_4C_	180	PT	w/ CAT	04.1993->07.1993		250-23048	
	44_4C_	180	PT	w/o CAT	04.1993->07.1993		250-23154	
	44_4C_	184	PT	w/ CAT	10.1988->07.1993		250-23048	
	44_4C_	184	PT	w/o CAT	10.1988->07.1993		250-23154	
	44_4C_	184	PT-K	w/ CAT	10.1988->07.1990		250-23048	
	44_4C_	184	PT-K	w/o CAT	10.1988->07.1990		250-23154	
4.2 Quattro	44_4C_	206	ABH	w/ CAT	10.1991->07.1993		250-23048	
	44_4C_	206	ABH	w/o CAT	10.1991->07.1993		250-23154	
BENTLEY								
CONTINENTAL								
6.75 V8 R		265	L410MT	10.199	10.1991->07.1995		250-24046	
6.75 V8 S		286	L410MT1T	5.199	05.1994->07.1995		250-24046	
BMW								
1SERIES (E81, E87)								
116i								
1.6i	E81, E87	85	N45B16		09.2004->12.2006		250-24970	250-241037
	E81, E87	85	N45B16		03.2007->08.2007		250-25044	250-24713
	E81, E87	90	N43B16A,N43B1600		09.2007->up		250-25044	250-24713
1.6i 136 16V	F20	100	N13B16A		12.2010->up		250-25087	
118d								
2.0d	E81, E87	90	M47D20U2		09.2004->12.2006		800-95008	800-95008
	E81, E87	105	N47D20U0		04.2007->up		800-95008	800-95008
118i								
1.6i 170 16V	F20	125	N13B16M0		07.2011->up		250-25087	
2.0i	E81, E87	95	N46B20,N42B20B		09.2004->12.2006		250-25003	250-241037
	E81, E87	105	N43B20U0		04.2007->up		250-25044	250-241037
120d								
2.0i	E81, E87	120	M47D20TU2		09.2004->12.2006		800-95008	800-95008
	E81, E87	130	N47D2000		03.2007->up		800-95008	800-95008
120i								
2.0i	E81, E87	110	N42B20A,N46B20		09.2004->12.2006		250-25002	
	E81, E87	125	N43B2000		04.2007->up		250-25044	250-24713
2.0i 16V	E87	110			11.2003->09.2012	Left	250-25018	250-241037
	E87	110			11.2003->09.2012	Right	250-25018	250-241038
123d								
2.0d	E81, E87	150	N47D20B,N47D20TO		10.2007->up		800-95008	800-95008
130i								
3.0i	E81, E87	195	N52B30A		12.2005->12.2006	Cyl 1-3	250-25018	250-24713
	E81, E87	195	N52B30A		09.2005->12.2006	Cyl 4-6	250-25046	250-24465
	E81, E87	195	N52B3001		03.2007->up	Cyl 1-3	250-25018	250-24713
	E81, E87	195	N52B3001		03.2007->up	Cyl 4-6	250-25046	250-24465
1 SERIES CABRIOLET (E88)								
118i								
2.0i	E88	105	N43B20U0		03.2008->up		250-25044	250-24713
120d								
2.0d	E88	130	N47D2000		03.2008->up		800-95008	800-95008
120i								
2.0i	E88	125	N43B2000		03.2008->up		250-25044	250-24713



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
1 SERIES CABRIOLET (E88) (cont'd)								
125i								
3.0i	E88	160	N52B30U1		03.2008->up	Cyl 1-3	250-25018	250-24713
	E88	160	N52B30U1		03.2008->up	Cyl 4-6	250-25047	250-24465
135i								
3.0i	E88	225	N54B3000		03.2008->up	Cyl 1-3	250-25018	250-24713
	E88	225	N54B3000		03.2008->up	Cyl 4-6	250-25047	250-24465
1 SERIES COUPE (E82)								
120d								
2.0i	E82	130	N47D2000		10.2007->up		800-95008	800-95008
123d								
2.0d	E82	150	N47D20TO		10.2007->up		800-95008	800-95008
125i								
3.0i	E82	160	N52B30U1		03.2008->up	Cyl 1-3	250-25018	250-24713
	E82	160	N52B30U1		03.2008->up	Cyl 4-6	250-25047	250-24465
135i								
3.0i	E82	225	N54B3000		10.2007->up	Cyl 1-3	250-25018	250-24713
	E82	225	N54B3000		10.2007->up	Cyl 4-6	250-25047	250-24465
3 SERIES (E30)								
316i								
1.6i	E30	73	M40B16(Cat.)		09.1988->06.1991		250-24613	
	E30	75	M40B16		09.1988->06.1991		250-24613	
1.8i	E30	75	M10B18(L-Jetronic,Cat.)		09.1987->08.1988		250-23031	
318i								
1.8i	E30	75	M10B18(L-Jetronic)		To->12.1984		250-21015	
	E30	75	M10B18(L-Jetronic)		12.1984->08.1988		250-23031	
	E30	75	M10B18(L-Jetronic,Cat.)		To->12.1984		250-21015	
	E30	75	M10B18(L-Jetronic,Cat.)		12.1984->08.1988		250-23031	
	E30	77	M10B18(K-Jetronic)		To->12.1984		250-21015	
	E30	77	M10B18(K-Jetronic)		12.1984->09.1985		250-23031	
	E30	83	M40B18		09.1987->06.1991		250-24613	
	E30	85	M40B18		09.1987->06.1991		250-24613	
318is								
1.8i	E30	100	M42B18		11.1989->08.1991		250-24025	
320i								
2.0i	E30	92	M20B20(L-Jetronic)	LH Drive	09.1982->12.1985		250-24310	
	E30	92	M20B20(L-Jetronic)	RH Drive	09.1982->12.1985		250-24024	
	E30	95	M20B20(Motronic)		12.1985->09.1987		250-24310	
	E30	95	M20B20(Motronic)		09.1987->06.1991		250-24024	
	E30	110	M20B20		12.1985->09.1987		250-24310	
	E30	110	M20B20		09.1987->06.1990		250-24024	
325e								
2.7i	E30	90	M20B27		02.1985->12.1986		250-23016	
	E30	90	M20B27		12.1986->08.1987		250-24310	
325i								
2.5i	E30	125	M20B25(Cat.),M20B25		12.1986->09.1987		250-24310	
	E30	125	M20B25(Cat.),M20B25		09.1987->03.1991		250-24024	
	E30	126	M20B25		09.1985->09.1987		250-24310	
	E30	126	M20B25		09.1987->11.1989		250-24024	
325iX								
2.5i	E30	125	M20B25(Cat.)		12.1986->09.1987		250-24310	
	E30	125	M20B25(Cat.)		09.1987->01.1991		250-24024	
	E30	126	M20B25		03.1986->09.1987		250-24310	
	E30	126	M20B25		09.1987->12.1987		250-24024	
M3 2.3								
2.3i	E30	143	S14B23		09.1986->12.1990		250-23031	
	E30	147	S14B23		02.1987->05.1989		250-23031	
	E30	158	S14B23		06.1989->12.1990		250-23031	
M3 EVO I 2.3								
2.3i	E30	162	S14B23(EVOI)		10.1988->10.1990		250-23031	
M3 EVO II 2.5								
2.5i	E30	175	S14B25(EVOII)		01.1990->03.1990		250-23031	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES (E36)								
316i								
1.6i	E36	73	M40B16(Cat.)		12.1990->09.1993		250-24024	
	E36	75	M43B16		10.1993->09.1995		250-24024	
	E36	75	M43B16		01.1996->02.1998		250-24380	
	E36	75	M43B16,M40B16		09.1990->12.1991		250-24613	
318i								
1.8i	E36	83	M40B18		12.1990->09.1993		250-24024	
	E36	85	M43B18		10.1993->09.1995		250-24024	
	E36	85	M43B18		09.1995->01.1996		250-24381	
	E36	85	M43B18		01.1996->02.1998		250-24380	
318is								
1.8i	E36	103	M42B18		08.1993->12.1996		250-24607	
1.9i	E36	103	M44B19		12.1995->02.1998		250-24611	
320i								
2.0i	E36	110	M50B20	A/T	12.1990->09.1992		250-24605	
	E36	110	M50B20	M/T	12.1990->09.1992		250-24607	
	E36	110	M50B20	A/T	09.1992->06.1995		250-24809	
	E36	110	M50B20	M/T	09.1992->06.1995		250-24801	
2.0i	E36	110	M52B20		06.1994->09.1995	Cyl 1-3	250-24876	
	E36	110	M52B20		06.1994->09.1995	Cyl 4-6	250-24876	
	E36	110	M52B20		09.1995->02.1998	Cyl 1-3	250-24810	
	E36	110	M52B20		09.1995->02.1998	Cyl 4-6	250-24810	
323i								
2.5i	E36	125	M52B25(Vanos)		03.1995->09.1995	Cyl 1-3	250-24876	
	E36	125	M52B25(Vanos)		03.1995->09.1995	Cyl 4-6	250-24876	
	E36	125	M52B25(Vanos)		09.1995->02.1998	Cyl 1-3	250-24810	
	E36	125	M52B25(Vanos)		09.1995->02.1998	Cyl 4-6	250-24810	
325i								
2.5i	E36	141	M50B25	A/T	12.1990->07.1995		250-24605	
	E36	141	M50B25	M/T	12.1990->04.1995		250-24607	
328i								
2.8i	E36	142	M52B28		01.1995->09.1995	Cyl 1-3	250-24876	
	E36	142	M52B28		01.1995->09.1995	Cyl 4-6	250-24876	
	E36	142	M52B28		09.1995->02.1998	Cyl 1-3	250-24810	
	E36	142	M52B28		09.1995->02.1998	Cyl 4-6	250-24810	
M3 3.0								
3.0i	E36	210	S50B30		09.1994->06.1995	Cyl 1-3	250-24000	
	E36	210	S50B30		09.1994->06.1995	Cyl 4-6	250-24000	
M3 3.2								
3.2i	E36	236	S50B32		09.1995->02.1998	Cyl 1-3	250-24478	
	E36	236	S50B32		09.1995->02.1998	Cyl 4-6	250-24589	
3 SERIES (E46)								
316i								
1.6i	E46	77	M43B16(164E3), M43B16		04.2000->09.2002		250-24611	250-24390
1.8i	E46	85	N42B18VVT	Euro 2, Euro 3 (D3)	02.2002->02.2005		250-25002	
	E46	85	N42B18VVT	Euro 4 (D4)	02.2002->02.2005		250-25002	250-24638
1.9i	E46	77	M43B19E46		09.1998->02.2005		250-24611	250-24390
318i								
1.9i	E46	87	M43B19, M43B19TU		03.1998->09.2001		250-24611	250-24390
2.0i	E46	105	N42B20VVT	Euro 2, Euro 3 (D3)	09.2001->02.2005		250-25002	
	E46	105	N42B20VVT	Euro 4 (D4)	09.2001->02.2005		250-25002	250-24638
320d								
2.0d	E46	110	M47D20TU		01.2004->02.2005			800-95009
320i								
2.0i	E46	110	M52B20,		03.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E46	110	M52B20,		03.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E46	110	M52B(206S3)Vanos		03.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E46	110	M52B(206S3)Vanos		03.1998->09.2000	Cyl 4-6	250-24611	250-24392
2.2i	E46	125	M54B22	LH Drive	09.2001->02.2005	Cyl 1-3	250-24611	250-24392
	E46	125	M54B22	LH Drive	09.2001->02.2005	Cyl 4-6	250-24611	250-24392
	E46	125	M54B22	RH Drive	09.2001->02.2005	Cyl 1-3	250-24411	250-24392
	E46	125	M54B22	RH Drive	09.2001->02.2005	Cyl 4-6	250-24589	250-24392
323i								
2.5i	E46	125	M52B25TU, M52B25(Vanos)	LH Drive	03.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E46	125	M52B25TU, M52B25(Vanos)	LH Drive	03.1998->09.2000	Cyl 4-6	250-24611	250-24392
2.5i	E46	125	M52B25TU, M52B25(Vanos)	RH Drive	03.1998->09.2000	Cyl 1-3	250-24589	250-24390
	E46	125	M52B25TU, M52B25(Vanos)	RH Drive	03.1998->09.2000	Cyl 4-6	250-24589	250-24390



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES (E46) (cont'd)								
325i								
2.5i	E46	141	M54B25	LH Drive	09.2001->02.2005	Cyl 1-3	250-24611	250-24392
	E46	141	M54B25	LH Drive	09.2001->02.2005	Cyl 4-6	250-24611	250-24392
	E46	141	M54B25	RH Drive	09.2001->02.2005	Cyl 1-3	250-24411	250-24392
	E46	141	M54B25	RH Drive	09.2001->02.2005	Cyl 4-6	250-24589	250-24392
325Xi								
2.5i	E46	141	M54B25		09.2001->02.2005	Cyl 1-3	250-24611	250-24392
	E46	141	M54B25		09.2001->02.2005	Cyl 4-6	250-24611	250-24392
328i								
2.8i	E46	142	M52B28	LH Drive	03.1998->06.2000	Cyl 1-3	250-24611	250-24392
	E46	142	M52B28	LH Drive	03.1998->06.2000	Cyl 4-6	250-24611	250-24392
	E46	142	M52B28	RH Drive	03.1998->06.2000	Cyl 1-3	250-24589	250-24390
	E46	142	M52B28	RH Drive	03.1998->06.2000	Cyl 4-6	250-24589	250-24390
330d								
3.0d	E46	150	M57D30204		03.2003->02.2005			800-95009
330i								
3.0i	E46	170	M54B30	LH Drive	08.2000->02.2005	Cyl 1-3	250-24611	250-24392
	E46	170	M54B30	LH Drive	08.2000->02.2005	Cyl 4-6	250-24611	250-24392
	E46	170	M54B30	RH Drive	09.2001->02.2005	Cyl 1-3	250-24411	250-24392
	E46	170	M54B30	RH Drive	09.2001->02.2005	Cyl 4-6	250-24589	250-24392
330Xd								
3.0d	E46	150	M57D30204		03.2003->02.2005			800-95009
330Xi								
3.0i	E46	170	M54B30231		08.2000->02.2005	Cyl 1-3	250-24611	250-24392
	E46	170	M54B30231		08.2000->02.2005	Cyl 4-6	250-24611	250-24392
3 SERIES (E90)								
316i								
1.6i	E90	85	N45B16		02.2006->02.2011		250-24970	
	E90	85	N43B16A		02.2007->09.2008		250-25044	250-24713
318d								
2.0d	E90	90	M47D20U2		09.2005->08.2007		800-95008	800-95008
	E90	105	N47D20U0		09.2007->09.2008		800-95008	800-95008
318i								
2.0i	E90	95	N46B20B,N46B20		09.2005->08.2007		250-25003	250-241037
	E90	105	N43B20U0		09.2007->09.2008		250-25044	250-24713
320d								
2.0d	E90	120	M47N204D4		03.2005->08.2007		800-95008	800-95008
	E90	130	N47D20A		09.2007->09.2008		800-95008	800-95008
320i								
2.0i	E90	110	N46B200		01.2005->08.2007		250-25002	250-241037
	E90	125	N43B20U0		09.2007->09.2008		250-25044	250-24713
	E90	125	N46B20B	For OE# 11787530285	09.2007->12.2011		250-25044	250-241037
320si								
2.0i	E90	127	N45B20A		05.2006->12.2011		250-25002	250-241037
325d								
3.0d	E90	145	M57D30U2		09.2006->up		800-95008	800-95008
325i, 325xi								
2.5i	E90	160	N52B2500		03.2005->11.2005	Cyl 1-3	250-25042	250-24713
	E90	160	N52B2500		03.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E90	160	N52B2500		11.2005->08.2007	Cyl 1-3	250-25018	250-24713
	E90	160	N52B2500		11.2005->08.2007	Cyl 4-6	250-25046	250-24465
3.0i	E90	160	N54B3000	RH Drive	09.2007->up	Cyl 1-3	250-25018	250-24465
	E90	160	N54B3000	RH Drive	09.2007->up	Cyl 4-6	250-25046	250-24713
330d								
3.0i	E90	170	M57D30TU2		09.2005->up		800-95008	800-95008
330i, 330xi								
3.0i	E90	190	N52B3000		03.2005->11.2005	Cyl 1-3	250-25042	250-24713
	E90	190	N52B3000		03.2005->11.2005	Cyl 4-6	250-25046	250-24465
	E90	190	N52B3000		11.2005->08.2007	Cyl 1-3	250-25018	250-24713
	E90	190	N52B3000		11.2005->08.2007	Cyl 4-6	250-25046	250-24465
3.0i	E90	200	N53B30U0	RH Drive	09.2007->up	Cyl 1-3	250-25018	250-24465
	E90	200	N53B30U0	RH Drive	09.2007->up	Cyl 4-6	250-25046	250-24713



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES (E90) (cont'd)								
330xd								
3.0d	E90	170	M57D30TU2		09.2005->up		800-95008	800-95008
335d								
3.0d	E90	210	M57N306D5		09.2006->09.2008			800-95004
335i, 335xi								
3.0i	E90	225	N54B3000		09.2006->up	Cyl 1-3	250-25018	250-24713
	E90	225	N54B3000		09.2006->up	Cyl 4-6	250-25047	250-24465
	E90	225	N55B30A		09.2006->12.2011			250-24991
335i xDrive, 335xi Drive								
3.0i	E90	225	N55B30A		09.2008->12.2011			250-24991
	E90	225	N55B30A		09.2009->up			250-24991
M3								
4.0i	E90	309	S65B40A		12.2007->up	Left	250-25042	250-24464
	E90	309	S65B40A		12.2007->up	Right	250-25042	250-24464
3 SERIES CABRIOLET (E30)								
318i								
1.8	E30	83	M40B18		09.1990->04.1993		250-24613	
320i								
2.0i	E30	95	M20B20		07.1986->09.1987		250-24310	
	E30	95	M20B20		09.1987->01.1993		250-24024	
325i								
2.5i	E30	125	M20B25(Cat),M20B25		02.1986->09.1987		250-24310	
	E30	125	M20B25(Cat),M20B25		09.1987->12.1992		250-24024	
	E30	126	M20B25		02.1986->09.1987		250-24310	
	E30	126	M20B25		09.1987->12.1987		250-24024	
M3 2.3								
2.3i	E30	143	S14B23		09.1988->06.1991		250-23031	
3 SERIES CABRIOLET (E36)								
318i								
1.8i	E36	85	M43B18		03.1994->09.1995		250-24024	
	E36	85	M43B18		09.1995->01.1996		250-24381	
	E36	85	M43B18		01.1996->04.1999		250-24380	
320i								
2.0i	E36	110	M50B20	A/T	01.1994->04.1995		250-24809	
	E36	110	M50B20	M/T	12.1993->03.1995		250-24801	
	E36	110	M52B20		07.1994->09.1995	Cyl 1-3	250-24876	
	E36	110	M52B20		07.1994->09.1995	Cyl 4-6	250-24876	
2.0i	E36	110	M52B20		09.1995->04.1999	Cyl 1-3	250-24810	
	E36	110	M52B20		09.1995->04.1999	Cyl 4-6	250-24810	
323i								
2.5i	E36	125	M52B25(Vanos)		06.1995->09.1995	Cyl 1-3	250-24876	
	E36	125	M52B25(Vanos)		06.1995->09.1995	Cyl 4-6	250-24876	
	E36	125	M52B25(Vanos)		09.1999->04.1999	Cyl 1-3	250-24810	
	E36	125	M52B25(Vanos)		09.1999->04.1999	Cyl 4-6	250-24810	
325i								
2.5i	E36	141	M50B25,M50B25TU	A/T	03.1993->03.1995		250-24605	
	E36	141	M50B25,M50B25TU	M/T	03.1993->03.1995		250-24607	
328i								
2.8i	E36	142	M52B28,M52B28TU		03.1995->09.1995	Cyl 1-3	250-24876	
	E36	142	M52B28,M52B28TU		03.1995->09.1995	Cyl 4-6	250-24876	
	E36	142	M52B28,M52B28TU		09.1995->04.1999	Cyl 1-3	250-24810	
	E36	142	M52B28,M52B28TU		09.1995->04.1999	Cyl 4-6	250-24810	
M3 3.0								
3.0i	E36	210	S50B30		01.1994->10.1995	Cyl 1-3	250-24000	
	E36	210	S50B30		01.1994->10.1995	Cyl 4-6	250-24000	
M3 3.2								
3.2i	E36	236	S50B32		10.1995->04.1999	Cyl 1-3	250-24478	
	E36	236	S50B32		10.1995->04.1999	Cyl 4-6	250-24589	
3 SERIES CABRIOLET (E46)								
318Ci								
2.0i	E46	105	N42B20,N46B20	Euro 2, Euro 3 (D3)	09.2001->up		250-25002	
	E46	105	N42B20,N46B20	Euro 4 (D4)	09.2001->up		250-25002	250-24638
	E46	110	N46B20B	Euro 2, Euro 3 (D3)	02.2005->up		250-25002	
	E46	110	N46B20B	Euro 4 (D4)	02.2005->up		250-25002	250-24638



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES CABRIOLET (E46) (cont'd)								
320Cd								
2.0d	E46	110	M47D20TU		02.2005->07.2006			800-95009
320Ci								
2.2i	E46	125	M54B22	LH Drive	09.2000->up	Cyl 1-3	250-24611	250-24392
	E46	125	M54B22	LH Drive	09.2000->up	Cyl 4-6	250-24611	250-24392
	E46	125	M54B22	RH Drive	09.2000->up	Cyl 1-3	250-24411	250-24392
	E46	125	M54B22	RH Drive	09.2000->up	Cyl 4-6	250-24589	250-24392
323Ci								
2.5i	E46	125	M52B25(Vanos)	LH Drive, Euro 3 (D3)	04.2000->09.2000	Cyl 1-3	250-24611	250-24392
	E46	125	M52B25(Vanos)	LH Drive, Euro 3 (D3)	04.2000->09.2000	Cyl 4-6	250-24611	250-24392
	E46	125	M52B25(Vanos)	RH Drive, Euro 3 (D3)	04.2000->09.2000	Cyl 1-3	250-24589	250-24390
	E46	125	M52B25(Vanos)	RH Drive, Euro 3 (D3)	04.2000->09.2000	Cyl 4-6	250-24589	250-24390
325Ci								
2.5i	E46	141	M54B25	LH Drive	09.2000->09.2001	Cyl 1-3	250-24611	250-24392
	E46	141	M54B25	LH Drive	09.2000->09.2001	Cyl 4-6	250-24611	250-24392
	E46	141	M54B25	RH Drive	09.2000->09.2001	Cyl 1-3	250-24411	250-24390
	E46	141	M54B25	RH Drive	09.2000->09.2001	Cyl 4-6	250-24589	250-24390
330Ci								
3.0i	E46	170	M54B30	LH Drive	07.2000->up	Cyl 1-3	250-24611	250-24392
	E46	170	M54B30	LH Drive	07.2000->up	Cyl 4-6	250-24611	250-24392
	E46	170	M54B30	RH Drive	07.2000->up	Cyl 1-3	250-24411	250-24390
	E46	170	M54B30	RH Drive	07.2000->up	Cyl 4-6	250-24589	250-24390
M3 3.2								
3.2i	E46	252	S54B32		09.2001->up	Cyl 1-3	250-24444	250-24143
	E46	252	S54B32		09.2001->up	Cyl 4-6	250-24445	250-24478
3 SERIES CABRIOLET (E93)								
320d								
2.0d	E93	130	N47D2000		03.2007->up		800-95008	800-95008
320i								
2.0i	E93	125	N43B2000		03.2007->up		250-25044	250-24713
	E93	125	N46B20B		03.2007->up			250-241037
325d								
3.0d	E93	145	M57D30U2		03.2007->up		800-95008	800-95008
325i								
2.5i	E93	160	N52B25A,N52B25		03.2007->up	Cyl 1-3	250-25018	250-24713
	E93	160	N52B25A,N52B25		03.2007->up	Cyl 4-6	250-25046	250-24465
3.0i	E93	160	N53B30U0		03.2007->up	Cyl 1-3	250-25018	250-24465
	E93	160	N53B30U0		03.2007->up	Cyl 4-6	250-25046	250-24713
330d								
3.0d	E93	170	M57D3002		03.2007->up		800-95008	800-95008
330i								
3.0i	E93	200	N53B30U0		03.2007->up	Cyl 1-3	250-25018	250-24465
	E93	200	N53B30U0		03.2007->up	Cyl 4-6	250-25046	250-24713
335i								
3.0i	E93	225	N54B3000		03.2007->up	Cyl 1-3	250-25018	250-24713
	E93	225	N54B3000		03.2007->up	Cyl 4-6	250-25047	250-24465
	E93	225	N55B30A		03.2007->up			250-24991
M3								
4.0i	E93	309	S65B40A		02.2008->up	Left	250-25042	250-24464
	E93	309	S65B40A		02.2008->up	Right	250-25042	250-24464
3 SERIES COMPACT (E36)								
316g								
1.6i	E36	75	M40B16		12.1995->08.2000		250-24381	
316i								
1.6i	E36	75	M43B16		09.1995->01.1996		250-24381	
	E36	75	M43B16		01.1996->08.2000		250-24380	
	E36	75	M43B16		03.1994->09.1995		250-24024	
1.9i	E36	77	M43B19E46		01.1999->08.2000		250-24611	250-24390
318ti								
1.8i	E36	103	M42B18		11.1994->08.1995		250-24607	
1.9i	E36	103	M44B19		01.1996->08.2000		250-24611	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES COMPACT (E36) (cont'd)								
323ti								
2.5i	E36	125	M52B25(Vanos)		08.1997->01.1999	Cyl 1-3	250-24810	
	E36	125	M52B25(Vanos)		08.1997->01.1999	Cyl 4-6	250-24810	
	E36	125	M52B25(Vanos)	Euro 3 (D3)	01.1999->08.2000	Cyl 1-3	250-24516	250-24810
	E36	125	M52B25(Vanos)	Euro 3 (D3)	01.1999->08.2000	Cyl 4-6	250-24516	250-24810
3 SERIES COMPACT (E46)								
316ti								
1.8i	E46	85	N42B18,N46B18A	Euro 2, Euro 3 (D3)	06.2001->02.2005		250-25002	
	E46	85	N42B18,N46B18A	Euro 4 (D4)	06.2001->02.2005		250-25002	250-24638
318td								
2.0d	E46	85	M47D20TUUL		01.2004->12.2004			800-95009
318ti								
2.0i	E46	105	N42B20,N46B20A	Euro 2, Euro 3 (D3)	09.2001->02.2005		250-25002	
	E46	105	N42B20,N46B20A	Euro 4 (D4)	09.2001->02.2005		250-25002	250-24638
320td								
2.0d	E46	110	M47D20TU		01.2004->12.2004			800-95009
325ti								
2.5i	E46	141	M54B25	LH Drive	06.2001->02.2005	Cyl 1-3	250-24611	250-24392
	E46	141	M54B25	LH Drive	06.2001->02.2005	Cyl 4-6	250-24611	250-24392
	E46	141	M54B25	RH Drive	06.2001->02.2005	Cyl 1-3	250-24411	250-24392
	E46	141	M54B25	RH Drive	06.2001->02.2005	Cyl 4-6	250-24589	250-24392
3 SERIES COUPE (E36)								
316i								
1.6i	E36	75	M43B16		09.1993->09.1995		250-24024	
	E36	75	M43B16		09.1995->01.1996		250-24381	
	E36	75	M43B16		01.1996->04.1999		250-24380	
318is								
1.8i	E36	103	M42B18		03.1992->09.1992		250-24024	
	E36	103	M42B18		09.1992->10.1995		250-24607	
1.9i	E36	103	M44B19		07.1996->04.1999		250-24611	
320i								
2.0i	E36	110	M50B20	A/T	03.1992->09.1992		250-24605	
	E36	110	M50B20	M/T	03.1992->09.1992		250-24607	
	E36	110	M50B20	A/T	09.1992->08.1994		250-24809	
	E36	110	M50B20	M/T	09.1992->08.1994		250-24801	
2.0i	E36	110	M52B20		08.1994->09.1995	Cyl 1-3	250-24876	
	E36	110	M52B20		08.1994->09.1995	Cyl 4-6	250-24876	
	E36	110	M52B20		09.1995->04.1999	Cyl 1-3	250-24810	
	E36	110	M52B20		09.1995->04.1999	Cyl 4-6	250-24810	
323i								
2.5i	E36	125	M52B25(Vanos)		09.1995->04.1999	Cyl 1-3	250-24810	
	E36	125	M52B25(Vanos)		09.1995->04.1999	Cyl 4-6	250-24810	
	E36	125	M52B25(Vanos)		05.1999->09.1995	Cyl 1-3	250-24876	
	E36	125	M52B25(Vanos)		05.1999->09.1995	Cyl 4-6	250-24876	
325i								
2.5i	E36	141	M50B25	A/T	03.1992->07.1995		250-24605	
	E36	141	M50B25	M/T	03.1992->07.1995		250-24607	
328i								
2.8i	E36	142	M52B28,M52B28TU		01.1995->09.1995	Cyl 1-3	250-24876	
	E36	142	M52B28,M52B28TU		01.1995->09.1995	Cyl 4-6	250-24876	
	E36	142	M52B28,M52B28TU		09.1995->04.1999	Cyl 1-3	250-24810	
	E36	142	M52B28,M52B28TU		09.1995->04.1999	Cyl 4-6	250-24810	
M3 3.0								
3.0i	E36	210	S50B30		10.1992->01.1995	Cyl 1-3	250-24000	
	E36	210	S50B30		10.1992->01.1995	Cyl 4-6	250-24000	
	E36	217	S50B30		01.1995->10.1995	Cyl 1-3	250-24000	
	E36	217	S50B30		01.1995->10.1995	Cyl 4-6	250-24000	
M3 3.2								
3.2i	E36	236	S50B32		10.1995->04.1999	Cyl 1-3	250-24478	
	E36	236	S50B32		10.1995->04.1999	Cyl 4-6	250-24589	
3 SERIES COUPE (E46)								
316Ci								
1.6i	E46	77	M43B16(164E3)		04.2000->09.2002		250-24611	250-24390



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES COUPE (E46) (cont'd)								
318Ci								
1.9i	E46	87	M43B19E46		11.1999->09.2001		250-24611	250-24390
2.0i	E46	105	N42B20,N46B20	Euro 2, Euro 3 (D3)	01.2003->03.2004		250-25002	
	E46	105	N42B20,N46B20	Euro 4 (D4)	01.2003->03.2004		250-25002	250-24638
320Cd								
2.0d	E46	110	M47D20TU		01.2004->05.2006			800-95009
320Ci								
2.0i	E46	110	M52B20	Euro 3 (D3)	08.1999->09.2000	Cyl 1-3	250-24611	250-24392
	E46	110	M52B20	Euro 3 (D3)	08.1999->09.2000	Cyl 4-6	250-24611	250-24392
2.2i	E46	125	M54B22	LH Drive, Euro 4 (D4)	09.2000->05.2006	Cyl 1-3	250-24611	250-24392
	E46	125	M54B22	LH Drive, Euro 4 (D4)	09.2000->05.2006	Cyl 4-6	250-24611	250-24392
	E46	125	M54B22	RH Drive, Euro 4 (D4)	09.2000->05.2006	Cyl 1-3	250-24411	250-24392
	E46	125	M54B22	RH Drive, Euro 4 (D4)	09.2000->05.2006	Cyl 4-6	250-24589	250-24392
323Ci								
2.5i	E46	125	M52B25(Vanos)	LH Drive, Euro 3 (D3)	04.1999->09.2000	Cyl 1-3	250-24611	250-24392
	E46	125	M52B25(Vanos)	LH Drive, Euro 3 (D3)	04.1999->09.2000	Cyl 4-6	250-24611	250-24392
	E46	125	M52B25(Vanos)	RH Drive, Euro 3 (D3)	06.1999->09.2000	Cyl 1-3	250-24589	250-24390
	E46	125	M52B25(Vanos)	RH Drive, Euro 3 (D3)	06.1999->09.2000	Cyl 4-6	250-24589	250-24390
325Ci								
2.5i	E46	141	M54256S5, M54B25	LH Drive	01.2003->05.2006	Cyl 1-3	250-24611	250-24392
	E46	141	M54256S5, M54B25	LH Drive	01.2003->05.2006	Cyl 4-6	250-24611	250-24392
	E46	141	M54256S5, M54B25	RH Drive	01.2003->05.2006	Cyl 1-3	250-24411	250-24392
	E46	141	M54256S5, M54B25	RH Drive	01.2003->05.2006	Cyl 4-6	250-24589	250-24392
328Ci								
2.8i	E46	142	M52B28	LH Drive, Euro 3 (D3)	04.1999->06.2000	Cyl 1-3	250-24611	250-24392
	E46	142	M52B28	LH Drive, Euro 3 (D3)	04.1999->06.2000	Cyl 4-6	250-24611	250-24392
	E46	142	M52B28	RH Drive, Euro 3 (D3)	04.1999->06.2000	Cyl 1-3	250-24589	250-24390
	E46	142	M52B28	RH Drive, Euro 3 (D3)	04.1999->06.2000	Cyl 4-6	250-24589	250-24390
330Cd								
3.0d	E46	150	M57D30TU		07.2003->05.2006			800-95009
330Xi								
3.0i	E46	170	M54B30	LH Drive	06.2000->up	Cyl 1-3	250-24611	250-24392
	E46	170	M54B30	LH Drive	06.2000->up	Cyl 4-6	250-24611	250-24392
	E46	170	M54B30	RH Drive	06.2000->up	Cyl 1-3	250-24411	250-24390
	E46	170	M54B30	RH Drive	06.2000->up	Cyl 4-6	250-24589	250-24390
M3 3.2								
3.2i	E46	252	S54B32		07.2000->09.2006	Cyl 1-3	250-24445	250-24143
	E46	252	S54B32		07.2000->09.2006	Cyl 4-6	250-24444	250-24478
M3 CSL								
3.2i	E46	265	S54B32,S54N326S4		06.2003->12.2003	Cyl 1-3	250-24445	250-24143
	E46	265	S54B32,S54N326S4		06.2003->12.2003	Cyl 4-6	250-24444	250-24611
3 SERIES COUPE (E92)								
320d								
2.0d	E92	130	N47D2000		03.2007->up		800-95008	800-95008
320i								
2.0i	E92	110	N43B2000		11.2006->06.2007			250-241037
	E92	125	N43B2000		03.2007->up		250-25044	250-24713
	E92	125	N46B20B		03.2007->up			250-241037
325d								
3.0d	E92	145	M57D30U2		03.2007->up		800-95008	800-95008
325i, 325Xi								
2.5i	E92	160	N52B2500		09.2006->08.2007	Cyl 1-3	250-25018	250-24713
	E92	160	N52B2500		09.2006->08.2007	Cyl 4-6	250-25046	250-24465
3.0i	E92	160	N53B30U0	RH Drive	09.2007->up	Cyl 1-3	250-25018	250-24465
	E92	160	N53B30U0	RH Drive	09.2007->up	Cyl 4-6	250-25046	250-24713
330d								
3.0d	E92	170	M57306D3,M57D30TU2		09.2006->up		800-95008	800-95008
330i, 330Xi								
3.0i	E92	200	N52B30A		09.2006->08.2007	Cyl 1-3	250-25018	250-24713
	E92	200	N52B30A		09.2006->08.2007	Cyl 4-6	250-25046	250-24465
	E92	200	N53B30O0	RH Drive	09.2007->up	Cyl 1-3	250-25018	250-24465
	E92	200	N53B30O0	RH Drive	09.2007->up	Cyl 4-6	250-25046	250-24713
330Xd								
3.0d	E92	170	M57D30TU2		09.2006->up		800-95008	800-95008



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES COUPE (E92) (cont'd)								
335d								
3.0d	E92	210	M57N306D5		09.2006->up		800-95004	
335i								
3.0i	E92	225	N54B30A		09.2006->up	Cyl 1-3	250-25018	250-24713
	E92	225	N54B30A		09.2006->up	Cyl 4-6	250-25047	250-24465
	E92	225	N55B30A		09.2006->up			250-24991
335i xDrive								
3.0i	E92	225	N55B30A		09.2008->up			250-24991
335Xi								
3.0i	E92	225	N53B30U0		09.2006->up	Cyl 1-3	250-25018	250-24713
	E92	225	N53B30U0		09.2006->up	Cyl 4-6	250-25047	250-24465
M3								
4.0i	E92	309	S65B40		09.2007->up	Left	250-25042	250-24464
	E92	309	S65B40		09.2007->up	Right	250-25042	250-24464
3 SERIES TOURING (E30)								
316i								
1.6i	E30	73	M40B16(Cat.)		09.1991->09.1993		250-24613	
	E30	75	M40B16		09.1991->09.1993		250-24613	
318i								
1.8i	E30	83	M40B18		04.1989->09.1993		250-24613	
	E30	85	M40B18		09.1988->06.1991		250-24613	
320i								
2.0i	E30	95	M20B20		09.1988->12.1991		250-24024	
325i								
2.5i	E30	125	M20B25(Cat.),M20B25		02.1988->03.1993		250-24024	
325iX								
2.5i	E30	125	M20B25(Cat.)		06.1988->03.1993		250-24024	
3 SERIES TOURING (E36)								
316i								
1.6i	E36	75	M43B16		01.1996->09.1999		250-24380	
318i								
1.8i	E36	85	M43B18		07.1995->09.1995		250-24024	
	E36	85	M43B18		09.1995->01.1996		250-24381	
	E36	85	M43B18		01.1996->09.1999		250-24380	
320i								
2.0i	E36	110	M52B20		01.1995->09.1995	Cyl 1-3	250-24876	
	E36	110	M52B20		01.1995->09.1995	Cyl 4-6	250-24876	
	E36	110	M52B20		09.1995->09.1999	Cyl 1-3	250-24810	
	E36	110	M52B20		09.1995->09.1999	Cyl 4-6	250-24810	
323i 2.5								
2.5i	E36	125	M52B25(Vanos)		07.1996->09.1999	Cyl 1-3	250-24810	
	E36	125	M52B25(Vanos)		07.1996->09.1999	Cyl 4-6	250-24810	
328i								
2.8i	E36	142	M52B28		01.1995->09.1995	Cyl 1-3	250-24876	
	E36	142	M52B28		01.1995->09.1995	Cyl 4-6	250-24876	
	E36	142	M52B28		09.1995->09.1999	Cyl 1-3	250-24810	
	E36	142	M52B28		09.1995->09.1999	Cyl 4-6	250-24810	
3 SERIES TOURING (E46)								
316i								
1.8i	E46	85	N42B18	Euro 2, Euro 3 (D3)	01.2003->02.2005		250-25002	
	E46	85	N42B18	Euro 4 (D4)	01.2003->02.2005		250-25002	250-24638
	E46	85	N42B18VVT	Euro 2, Euro 3 (D3)	03.2002->12.2002		250-25002	
	E46	85	N42B18VVT	Euro 4 (D4)	03.2002->12.2002		250-25002	250-24638
318d								
2.0d	E46	85	M47D20TUUL		01.2004->02.2005		800-95009	
318i								
1.9i	E46	87	M43B19,M43B19TU		10.1999->09.2001		250-24611	250-24390
2.0i	E46	105	N42B20,N42B20VVT	Euro 2, Euro 3 (D3)	09.2001->02.2005		250-25002	
	E46	105	N42B20,N42B20VVT	Euro 4 (D4)	09.2001->02.2005		250-25002	250-24638
320d								
2.0d	E46	110	M47D20TU		01.2004->02.2005		800-95009	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES TOURING (E46) (cont'd)								
320i								
2.0i	E46	110	M52B20	Euro 3 (D3)	10.1999->09.2000	Cyl 1-3	250-24611	250-24392
	E46	110	M52B20	Euro 3 (D3)	10.1999->09.2000	Cyl 4-6	250-24611	250-24392
2.2i	E46	125	M54B22	LH Drive, Euro 4 (D4)	09.2001->02.2005	Cyl 1-3	250-24611	250-24392
	E46	125	M54B22	LH Drive, Euro 4 (D4)	09.2001->02.2005	Cyl 4-6	250-24611	250-24392
	E46	125	M54B22	RH Drive, Euro 4 (D4)	09.2001->02.2005	Cyl 1-3	250-24411	250-24392
	E46	125	M54B22	RH Drive, Euro 4 (D4)	09.2001->02.2005	Cyl 4-6	250-24589	250-24392
325i								
2.5i	E46	141	M54B25	LH Drive	09.2001->02.2005	Cyl 1-3	250-24611	250-24392
	E46	141	M54B25	LH Drive	09.2001->02.2005	Cyl 4-6	250-24611	250-24392
	E46	141	M54B25	RH Drive	09.2001->02.2005	Cyl 1-3	250-24411	250-24392
	E46	141	M54B25	RH Drive	09.2001->02.2005	Cyl 4-6	250-24589	250-24392
325Xi								
2.5i	E46	141	M54B25, M54256S5		09.2001->12.2002	Cyl 1-3	250-24611	250-24392
	E46	141	M54B25, M54256S5		09.2001->12.2002	Cyl 4-6	250-24611	250-24392
328i								
2.8i	E46	142	M52B28	Euro 3 (D3)	10.1999->06.2000	Cyl 1-3	250-24611	250-24392
	E46	142	M52B28	Euro 3 (D3)	10.1999->06.2000	Cyl 4-6	250-24611	250-24392
	E46	142	M52B28	Euro 3 (D3)	10.1999->06.2000	Cyl 1-3	250-24589	250-24390
	E46	142	M52B28	Euro 3 (D3)	10.1999->06.2000	Cyl 4-6	250-24589	250-24390
330d								
3.0d	E46	150	M57D30TU		03.2003->02.2005			800-95009
330i								
3.0i	E46	170	M54306S3, M54B30	LH Drive	08.2000->02.2005	Cyl 1-3	250-24611	250-24392
	E46	170	M54306S3, M54B30	LH Drive	08.2000->02.2005	Cyl 4-6	250-24611	250-24392
	E46	170	M54306S3, M54B30	RH Drive	08.2000->02.2005	Cyl 1-3	250-24411	250-24392
	E46	170	M54306S3, M54B30	RH Drive	08.2000->02.2005	Cyl 4-6	250-24589	250-24392
330Xd								
3.0d	E46	150	M57D30TU		03.2003->02.2005			800-95009
330Xi								
3.0i	E46	170	M54B30		08.2000->02.2005	Cyl 1-3	250-24611	250-24392
	E46	170	M54B30		08.2000->02.2005	Cyl 4-6	250-24611	250-24392
3 SERIES TOURING (E91)								
318d								
2.0i	E91	90	M47D20U2		09.2005->08.2007		800-95008	800-95008
	E91	105	N47D20U0		09.2007->up		800-95008	800-95008
318i								
2.0i	E91	95	N46B20B, N46B20		01.2006->08.2007		250-25003	
	E91	105	N43B20U0		09.2007->up		250-25044	250-24713
	E91	95			01.2006->up			250-241037
320d								
2.0d	E91	120	M47D20TU2		09.2005->08.2007		800-95008	800-95008
	E91	130	N47D2000		09.2007->up		800-95008	800-95008
320i								
2.0i	E91	110	N46B20A, N46B20, N46B20C		09.2005->up		250-25002	250-241037
	E91	125	N43B20U0		09.2007->up		250-25044	250-24713
	E91	125	N46B20B		09.2007->up			250-241037
325d								
3.0d	E91	145	M57D30U2		09.2006->up		800-95008	800-95008
325i, 325Xi								
2.5i	E91	160	N52B2500		09.2005->11.2005	Cyl 1-3	250-25042	250-24713
	E91	160	N52B2500		09.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E91	160	N52B2500		11.2005->08.2007	Cyl 1-3	250-25018	250-24713
	E91	160	N52B2500		11.2005->08.2007	Cyl 4-6	250-25046	250-24465
3.0i	E91	160	N53B30U0	RH Drive	09.2007->up	Cyl 1-3	250-25018	250-24465
	E91	160	N53B30U0	RH Drive	09.2007->up	Cyl 4-6	250-25046	250-24713
330d								
3.0d	E91	170	M57D30TU2		09.2005->up		800-95008	800-95008
330i								
3.0i	E91	190	N52B3000		09.2005->11.2005	Cyl 1-3	250-25042	250-24713
	E91	190	N52B3000		09.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E91	190	N52B3000		11.2005->08.2007	Cyl 1-3	250-25018	250-24713
	E91	190	N52B3000		11.2005->08.2007	Cyl 4-6	250-25046	250-24465
3.0i	E91	200	N53B3000	RH Drive	09.2007->up	Cyl 1-3	250-25018	250-24465
	E91	200	N53B3000	RH Drive	09.2007->up	Cyl 4-6	250-25046	250-24713



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
3 SERIES TOURING (E91) (cont'd)								
330Xd								
3.0d	E91	170	M57D30TU2		09.2005->up		800-95008	800-95008
330Xi								
3.0i	E91	190	N52B3000		09.2005->11.2005	Cyl 1-3	250-25042	250-24713
	E91	190	N52B3000		09.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E91	190	N52B3000		11.2005->08.2007	Cyl 1-3	250-25018	250-24713
	E91	190	N52B3000		11.2005->08.2007	Cyl 4-6	250-25046	250-24465
335d								
3.0d	E91	210	M57N306D5		09.2006->up			800-95004
335i, 335Xi								
3.0i	E91	225	N54B3000		09.2006->up	Cyl 1-3	250-25018	250-24713
	E91	225	N54B3000		09.2006->up	Cyl 4-6	250-25047	250-24465
	E91	225	N55B30A		09.2006->up			250-24991
335i x Drive								
3.0i	E91	225	N55B30A		09.2008->up			250-24991
5 SERIES (E28)								
520i								
2.0i	E28	95	M20B20(Motronic,Cat.)		12.1996->12.1987		250-24310	
525e								
2.7i	E28	90	M20B27		12.1984->12.1986		250-21000	
	E28	90	M20B27		01.1987->12.1987		250-24310	
	E28	95	M20B27		01.1987->12.1987		250-24310	
535i								
3.4i	E28	160	M30B34M		01.1985->12.1987		250-24382	
3.5i	E28	136	M30B35		05.1986->12.1987		250-23034	
	E28	136	M30B35		01.1985->04.1986		250-23016	
	E28	141	M30B35(Motronic)		01.1985->04.1986		250-23016	
	E28	141	M30B35(Motronic)		05.1986->12.1987		250-23034	
M535i								
3.4i	E28	160	M30B34M		01.1985->12.1987		250-24382	
3.5i	E28	136	M30B35		05.1986->12.1987		250-23034	
	E28	136	M30B35		01.1985->04.1986		250-23016	
	E28	141	M30B35(Motronic)		01.1985->04.1986		250-23016	
	E28	141	M30B35(Motronic)		05.1986->12.1987		250-23034	
M5 3.5								
3.5i	E28	211	S38B35		08.1985->12.1987		250-23034	
5 SERIES (E34)								
518i								
1.8i	E34	83	M40B18	M/T	09.1989->09.1991		250-24035	
	E34	83	M40B18	A/T	10.1993->04.1994		250-24613	
	E34	83	M40B18	M/T	09.1991->04.1994		250-24824	
	E34	83	M43B18		06.1994->09.1995		250-24613	
	E34	85	M40B18	M/T	09.1989->09.1991		250-24035	
	E34	85	M40B18	A/T	10.1993->04.1994		250-24613	
	E34	85	M40B18	M/T	09.1991->04.1994		250-24824	
	E34	85	M43B18		05.1994->09.1995		250-24613	
520i								
2.0i	E34	95	M20B20		01.1988->07.1990		250-24613	
520i 24V								
2.0i	E34	110	M50B20,M50B(206S1)		03.1990->06.1992		250-24021	
	E34	110	M50B20TU,M50B(206S2)		03.1990->06.1992		250-24021	
	E34	110	M50B20TU,M50B(206S2)		06.1992->09.1995		250-24510	
525i								
2.5i	E34	125	M20B25		02.1988->08.1990		250-24613	
525i 24V, 525iX 24V								
2.5i	E34	141	M50B25		03.1990->09.1995		250-24021	
530i								
3.0i	E34	138	M30B30		01.1988->06.1990		250-24382	
530i V8								
3.0i	E34	160	M60B30	A/T	09.1992->06.1994	Left	250-24605	
	E34	160	M60B30	A/T	09.1992->06.1994	Right	250-24605	
	E34	160	M60B30	M/T	09.1992->06.1994	Left	250-24607	
	E34	160	M60B30	M/T	09.1992->06.1994	Right	250-24607	
3.0i	E34	160	M60B30		06.1994->09.1995	Left	250-24381	
	E34	160	M60B30		06.1994->09.1995	Right	250-24381	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
5 SERIES (E34) (cont'd)								
535i								
3.5i	E34	155	M30B35		01.1988->04.1993		250-24382	
540i V8								
4.0i	E34	210	M60B40	A/T	01.1993->06.1994	Left	250-24605	
	E34	210	M60B40	A/T	01.1993->06.1994	Right	250-24605	
	E34	210	M60B40	M/T	07.1993->06.1994	Left	250-24607	
	E34	210	M60B40	M/T	07.1993->06.1994	Right	250-24607	
4.0i	E34	210	M60B40		06.1994->09.1995	Left	250-24381	
	E34	210	M60B40		06.1994->09.1995	Right	250-24381	
M5 3.6								
3.6i	E34	232	S38B36		10.1998->12.1991		250-24382	
M5 3.6 CAT								
3.6i	E34	232	S38B36(Cat)		10.1998->12.1991		250-24382	
M5 3.8								
3.8i	E34	250	S38B38		03.1992->09.1995		250-24382	
5 SERIES (E39)								
520i								
2.0i	E39	100	M52B20	LH Drive, Euro 3 (D3)	07.1999->04.2003	Cyl 1-3	250-24611	250-24392
	E39	100	M52B20	LH Drive, Euro 3 (D3)	07.1999->04.2003	Cyl 4-6	250-24611	250-24392
	E39	100	M52B20	RH Drive, Euro 3 (D3)	07.1999->04.2003	Cyl 1-3	250-24589	250-24392
	E39	100	M52B20	RH Drive, Euro 3 (D3)	07.1999->04.2003	Cyl 4-6	250-24589	250-24392
2.0i	E39	110	M52B20,M52B(206S4)		07.1996->09.1998	Cyl 1-3	250-24810	
	E39	110	M52B20,M52B(206S4)		07.1996->09.1998	Cyl 4-6	250-24810	
	E39	110	M52B20,M52B(206S4)	LH Drive	09.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E39	110	M52B20,M52B(206S4)	LH Drive	09.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E39	110	M52B20,M52B(206S4)	RH Drive	09.1998->09.2000	Cyl 1-3	250-24589	250-24392
	E39	110	M52B20,M52B(206S4)	RH Drive	09.1998->09.2000	Cyl 4-6	250-24589	250-24392
2.0i	E39	110	M52B(206S3)Vanos		07.1996->09.1998	Cyl 1-3	250-24810	
	E39	110	M52B(206S3)Vanos		07.1996->09.1998	Cyl 4-6	250-24810	
	E39	110	M52B(206S3)Vanos	LH Drive	09.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E39	110	M52B(206S3)Vanos	LH Drive	09.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E39	110	M52B(206S3)Vanos	RH Drive	09.1998->09.2000	Cyl 1-3	250-24589	250-24392
	E39	110	M52B(206S3)Vanos	RH Drive	09.1998->09.2000	Cyl 4-6	250-24589	250-24392
2.2i	E39	125	M54B22	LH Drive	09.2000->04.2003	Cyl 1-3	250-24611	250-24392
	E39	125	M54B22	LH Drive	09.2000->04.2003	Cyl 4-6	250-24611	250-24392
	E39	125	M54B22	RH Drive	09.2000->04.2003	Cyl 1-3	250-24411	250-24392
	E39	125	M54B22	RH Drive	09.2000->04.2003	Cyl 4-6	250-24411	250-24392
523i								
2.5i	E39	125	M52B25TU,M52B25(Vanos)		11.1995->09.1998	Cyl 1-3	250-24810	
	E39	125	M52B25TU,M52B25(Vanos)		11.1995->09.1998	Cyl 4-6	250-24810	
2.5i	E39	125	M52B25TU,M52B25(Vanos)	LH Drive	09.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E39	125	M52B25TU,M52B25(Vanos)	LH Drive	09.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E39	125	M52B25TU,M52B25(Vanos)	RH Drive	09.1998->09.2000	Cyl 1-3	250-24589	250-24392
	E39	125	M52B25TU,M52B25(Vanos)	RH Drive	09.1998->09.2000	Cyl 4-6	250-24589	250-24392
525i								
2.5i	E39	141	M54B25	LH Drive	09.2000->04.2003	Cyl 1-3	250-24611	250-24392
	E39	141	M54B25	LH Drive	09.2000->04.2003	Cyl 4-6	250-24611	250-24392
	E39	141	M54B25	RH Drive	09.2000->04.2003	Cyl 1-3	250-24411	250-24392
	E39	141	M54B25	RH Drive	09.2000->04.2003	Cyl 4-6	250-24411	250-24392
528i								
2.8i	E39	142	M52B28,M52B28TU		11.1995->09.1998	Cyl 1-3	250-24810	
	E39	142	M52B28,M52B28TU		11.1995->09.1998	Cyl 4-6	250-24810	
2.8i	E39	142	M52B28,M52B28TU	LH Drive	09.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E39	142	M52B28,M52B28TU	LH Drive	09.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E39	142	M52B28,M52B28TU	RH Drive	09.1998->09.2000	Cyl 1-3	250-24589	250-24392
	E39	142	M52B28,M52B28TU	RH Drive	09.1998->09.2000	Cyl 4-6	250-24589	250-24392
530i								
3.0i	E39	170	M54B30	LH Drive	09.2000->06.2003	Cyl 1-3	250-24611	250-24392
	E39	170	M54B30	LH Drive	09.2000->06.2003	Cyl 4-6	250-24611	250-24392
	E39	170	M54B30	RH Drive	09.2000->06.2003	Cyl 1-3	250-24411	250-24392
	E39	170	M54B30	RH Drive	09.2000->06.2003	Cyl 4-6	250-24411	250-24392
535i								
3.5i	E39	173	M62B35		07.1996->03.1999	Left	250-24611	250-24125
	E39	173	M62B35		07.1996->03.1999	Right	250-24611	250-24125
	E39	180	M62B35		07.1999->04.2003	Left	250-24611	250-24125
	E39	180	M62B35		07.1999->04.2003	Right	250-24611	250-24125



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
5 SERIES (E39) (cont'd)								
540i								
4.4i	E39	210	M62B44TU,M62B44,M62448S2		07.1996->04.2003	Left	250-24611	250-24125
	E39	210	M62B44TU,M62B44,M62448S2		07.1996->04.2003	Right	250-24611	250-24125
M5								
5.0i	E39	294	S62B50		07.1999->06.2003	Left	250-24611	250-24125
	E39	294	S62B50		07.1999->06.2003	Right	250-24611	250-24125
5 SERIES (E60)								
520d								
2.0d	E60	120	M47D2002		01.2007->08.2007		800-95008	800-95008
	E60	120	M47D20TU2		09.2005->12.2006		800-95008	800-95008
520i								
2.0i	E60	125	N43B20A		09.2007->03.2010			250-241053
2.2i	E60	125	M54B22	LH Drive, Euro 4 (D4)	07.2003->03.2005	Cyl 1-3	250-24611	250-24392
	E60	125	M54B22	LH Drive, Euro 4 (D4)	07.2003->03.2005	Cyl 4-6	250-24611	250-24392
	E60	125	M54B22	RH Drive, Euro 4 (D4)	07.2003->03.2005	Cyl 1-3	250-24411	250-24392
	E60	125	M54B22	RH Drive, Euro 4 (D4)	07.2003->03.2005	Cyl 4-6	250-24411	250-24392
523i								
2.5i	E60	130	N52B25UL		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E60	130	N52B25UL		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E60	130	N52B25UL		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E60	130	N52B25UL		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
2.5i	E60	140	N52B25A		01.2007->up	Cyl 1-3	250-25018	250-24713
	E60	140	N52B25A		01.2007->up	Cyl 4-6	250-25046	250-24466
525d								
2.5d	E60	130	M57D25TU		06.2004->12.2006		800-95008	800-95008
525i								
2.5i	E60	141	M54B256S5	LH Drive	09.2003->02.2005	Cyl 1-3	250-24611	250-24392
	E60	141	M54B256S5	LH Drive	09.2003->02.2005	Cyl 4-6	250-24611	250-24392
	E60	141	M54B256S5	RH Drive	09.2003->02.2005	Cyl 1-3	250-24411	250-24392
	E60	141	M54B256S5	RH Drive	09.2003->02.2005	Cyl 4-6	250-24611	250-24392
2.5i	E60	160	N52B2500		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E60	160	N52B2500		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E60	160	N52B2500		11.2006->12.2006	Cyl 1-3	250-25018	250-24464
	E60	160	N52B2500		11.2006->12.2006	Cyl 4-6	250-25046	250-24465
3.0i	E60	160	N53B30U0		01.2007->up	Cyl 1-3	250-25018	250-24713
	E60	160	N53B30U0		01.2007->up	Cyl 4-6	250-25046	250-24466
525xd								
3.0d	E60	145	M57D30U2		09.2007->up		800-95008	800-95008
525xi								
2.5i	E60	160	N52B2500		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E60	160	N52B2500		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E60	160	N52B2500		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E60	160	N52B2500		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
2.5i	E60	160	N52B2500		01.2007->up	Cyl 1-3	250-25018	250-24713
	E60	160	N52B2500		01.2007->up	Cyl 4-6	250-25046	250-24466
530d								
3.0d	E60	160	M57D30TU		07.2003->09.2005		800-95008	800-95008
	E60	170	M57D30TU2		09.2005->12.2006		800-95008	800-95008
	E60	173	M57D30O2		01.2007->up		800-95008	800-95008
530i								
3.0i	E60	170	M54B30-231	LH Drive	07.2003->02.2005	Cyl 1-3	250-24611	250-24392
	E60	170	M54B30-231	LH Drive	07.2003->02.2005	Cyl 4-6	250-24611	250-24392
	E60	170	M54B30-231	RH Drive	07.2003->02.2005	Cyl 1-3	250-24411	250-24392
	E60	170	M54B30-231	RH Drive	07.2003->02.2005	Cyl 4-6	250-24611	250-24392
3.0i	E60	190	N52B3000		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E60	190	N52B3000		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E60	190	N52B3000		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E60	190	N52B3000		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
	E60	200	N53B3000		01.2007->up	Cyl 1-3	250-25018	250-24713
	E60	200	N53B3000		01.2007->up	Cyl 4-6	250-25046	250-24466
530xd								
3.0d	E60	170	M57D30TU2		09.2005->12.2006		800-95008	800-95008
	E60	173	M57D30O2		01.2007->up		800-95008	800-95008
530xi								
3.0i	E60	190	N52B3000		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E60	190	N52B3000		07.2005->11.2005	Cyl 4-6	250-25042	250-24465



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
5 SERIES (E60) (cont'd)								
530xi (cont'd)								
3.0i	E60	190	N52B3000		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E60	190	N52B3000		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
3.0i	E60	190	N52B3000		01.2007->up	Cyl 1-3	250-25018	250-24713
	E60	190	N52B3000		01.2007->up	Cyl 4-6	250-25046	250-24466
535d								
3.0d	E60	210	M57N306D5		01.2007->up			800-95004
540i								
4.0i	E60	225	N62B40TU	A/T	09.2005->12.2006	Cyl 1-4	250-25046	250-24464
	E60	225	N62B40TU	A/T	09.2005->12.2006	Cyl 5-8	250-25043	250-24713
	E60	225	N62B40TU	M/T	09.2005->12.2006	Cyl 1-4	250-25046	250-24464
	E60	225	N62B40TU	M/T	09.2005->12.2006	Cyl 5-8	250-25044	250-24713
545i								
4.4i	E60	245	N62B44	A/T	09.2003->09.2005	Cyl 1-4	250-25003	250-24638
	E60	245	N62B44	A/T	09.2003->09.2005	Cyl 5-8	250-25003	250-24638
	E60	245	N62B44	M/T	09.2003->09.2005	Cyl 1-4	250-25004	250-24638
	E60	245	N62B44	M/T	09.2003->09.2005	Cyl 5-8	250-25002	250-24638
550i								
4.8i	E60	270	N62B48TU	A/T	09.2005->12.2006	Cyl 1-4	250-25044	250-24464
	E60	270	N62B48TU	A/T	09.2005->12.2006	Cyl 5-8	250-25044	250-24713
	E60	270	N62B48TU	M/T	09.2005->12.2006	Cyl 1-4	250-25046	250-24464
	E60	270	N62B48TU	M/T	09.2005->12.2006	Cyl 5-8	250-25043	250-24713
M5								
5.0i	E60	373	S85B50		12.2004->up	Left	250-25044	250-24638
	E60	373	S85B50		12.2004->up	Right	250-25044	250-24638
5 SERIES (F10, F18)								
520i								
2.0i 184 16V	F10, F18	135	N20B20A		09.2011->up		250-25089	250-241027
528i								
2.0i 184 16V	F10, F18	180	N20B20A		09.2011->up		250-25089	250-241027
528i xDrive								
2.0i 184 16V	F10, F18	180	N20B20A		09.2011->up		250-25089	250-241027
530i								
3.0i 24V	F10, F18	225	N55B30A		03.2010->up		250-25089	250-24991
535i								
3.0i 24V	F10, F18	225	N55B30A		03.2010->up		250-25089	250-24991
535i xDrive								
3.0i 24V	F10, F18	225	N55B30A		03.2010->up		250-25089	250-24991
550i								
4.4i	F10, F18	300	N63B44A		03.2010->up	Left	250-25087	
	F10, F18	300	N63B44A		03.2010->up	Right	250-25087	
550i xDrive								
4.4i	F10, F18	300	N63B44A		08.2010->up	Left	250-25087	
	F10, F18	300	N63B44A		08.2010->up	Right	250-25087	
5 SERIES GRAND TURISMO (F07)								
535i								
3.0i 24V	F07	225	N55B30A		03.2010->up		250-25089	250-24991
535i xDrive								
3.0i 24V	F07	225	N55B30A		03.2010->up		250-25089	250-24991
550i								
4.4i	F07	300	N63B44A		03.2010->up	Left	250-25087	
	F07	300	N63B44A		03.2010->up	Right	250-25087	
550i xDrive								
4.4i	F07	300	N63B44A		08.2010->up	Left	250-25087	
	F07	300	N63B44A		08.2010->up	Right	250-25087	
5 SERIES TOURING (E34)								
518g								
1.8i	E34	85	M43B18		11.1995->06.1996		250-24613	
518i								
1.8i	E34	83	M40B18		03.1993->04.1994		250-24824	
	E34	85	M43B18		09.1994->09.1996		250-24613	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
5 SERIES TOURING (E34) (cont'd)								
520i								
2.0i	E34	110	M50B20		11.1991->06.1992		250-24021	
	E34	110	M50B20		06.1992->09.1996		250-24510	
525i, 525iX								
2.5i	E34	141	M50B25,M50B25TU		11.1991->09.1996		250-24021	
530i V8								
3.0i	E34	160	M60B30	A/T	10.1992->06.1994	Left	250-24605	
	E34	160	M60B30	A/T	10.1992->06.1994	Right	250-24605	
	E34	160	M60B30	M/T	09.1992->06.1994	Left	250-24607	
	E34	160	M60B30	M/T	09.1992->06.1994	Right	250-24607	
3.0i	E34	160	M60B30		06.1994->09.1996	Left	250-24381	
	E34	160	M60B30		06.1994->09.1996	Right	250-24381	
540i								
4.0i	E34	210	M60B40	A/T	09.1993->06.1994	Left	250-24605	
	E34	210	M60B40	A/T	09.1993->06.1994	Right	250-24605	
	E34	210	M60B40	M/T	09.1993->06.1994	Left	250-24607	
	E34	210	M60B40	M/T	09.1993->06.1994	Right	250-24607	
4.0i	E34	210	M60B40		06.1994->09.1996	Left	250-24381	
	E34	210	M60B40		06.1994->09.1996	Right	250-24381	
M5 3.8								
3.8i	E34	250	S38B38		09.1994->01.1997		250-24382	
5 SERIES TOURING (E39)								
520i								
2.0i	E39	100	M52B20	LH Drive, Euro 3 (D3)	07.1999->04.2004	Cyl 1-3	250-24611	250-24392
	E39	100	M52B20	LH Drive, Euro 3 (D3)	07.1999->04.2004	Cyl 4-6	250-24611	250-24392
	E39	100	M52B20	RH Drive, Euro 3 (D3)	07.1999->04.2004	Cyl 1-3	250-24589	250-24392
	E39	100	M52B20	RH Drive, Euro 3 (D3)	07.1999->04.2004	Cyl 4-6	250-24589	250-24392
2.0i	E39	110	M52B20		01.1997->09.1998	Cyl 1-3	250-24810	
	E39	110	M52B20		01.1997->09.1998	Cyl 4-6	250-24810	
	E39	110	M52B20	LH Drive	09.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E39	110	M52B20	LH Drive	09.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E39	110	M52B20	RH Drive	09.1998->09.2000	Cyl 1-3	250-24589	250-24392
	E39	110	M52B20	RH Drive	09.1998->09.2000	Cyl 4-6	250-24589	250-24392
2.2i	E39	125	M54B22	LH Drive	09.2000->04.2004	Cyl 1-3	250-24611	250-24392
	E39	125	M54B22	LH Drive	09.2000->04.2004	Cyl 4-6	250-24611	250-24392
	E39	125	M54B22	RH Drive	09.2000->04.2004	Cyl 1-3	250-24411	250-24392
	E39	125	M54B22	RH Drive	09.2000->04.2004	Cyl 4-6	250-24411	250-24392
523i								
2.5i	E39	125	M52B25TU,M52B25(Vanos)		01.1997->09.1998	Cyl 1-3	250-24810	
	E39	125	M52B25TU,M52B25(Vanos)		01.1997->09.1998	Cyl 4-6	250-24810	
2.5i	E39	125	M52B25TU,M52B25(Vanos)	LH Drive	09.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E39	125	M52B25TU,M52B25(Vanos)	LH Drive	09.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E39	125	M52B25TU,M52B25(Vanos)	RH Drive	09.1998->09.2000	Cyl 1-3	250-24589	250-24392
	E39	125	M52B25TU,M52B25(Vanos)	RH Drive	09.1998->09.2000	Cyl 4-6	250-24589	250-24392
525i								
2.5i	E39	141	M54B25	LH Drive	09.2000->04.2004	Cyl 1-3	250-24611	250-24392
	E39	141	M54B25	LH Drive	09.2000->04.2004	Cyl 4-6	250-24611	250-24392
	E39	141	M54B25	RH Drive	09.2000->04.2004	Cyl 1-3	250-24411	250-24392
	E39	141	M54B25	RH Drive	09.2000->04.2004	Cyl 4-6	250-24411	250-24392
528i								
2.8i	E39	142	M52B28,M52B28TU		01.1997->09.1998	Cyl 1-3	250-24810	
	E39	142	M52B28,M52B28TU		01.1997->09.1998	Cyl 4-6	250-24810	
2.8i	E39	142	M52B28,M52B28TU	LH Drive	09.1998->09.2000	Cyl 1-3	250-24611	250-24392
	E39	142	M52B28,M52B28TU	LH Drive	09.1998->09.2000	Cyl 4-6	250-24611	250-24392
	E39	142	M52B28,M52B28TU	RH Drive	09.1998->09.2000	Cyl 1-3	250-24589	250-24392
	E39	142	M52B28,M52B28TU	RH Drive	09.1998->09.2000	Cyl 4-6	250-24589	250-24392
530i								
3.0i	E39	170	M54B30	LH Drive	09.2000->04.2004	Left	250-24611	250-24392
	E39	170	M54B30	LH Drive	09.2000->04.2004	Right	250-24611	250-24392
	E39	170	M54B30	RH Drive	09.2000->04.2004	Left	250-24411	250-24392
	E39	170	M54B30	RH Drive	09.2000->04.2004	Right	250-24411	250-24392
540i								
4.4i	E39	210	M62B44TU,M62B44,M62448S2		01.1997->04.2004	Left	250-24611	250-24125
	E39	210	M62B44TU,M62B44,M62448S2		01.1997->04.2004	Right	250-24611	250-24125
5 SERIES TOURING (E61)								
520d								
2.0d	E61	120	M47D2002		01.2007->08.2007		800-95008	800-95008
	E61	120	M47D20TU2		09.2005->12.2006		800-95008	800-95008



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
5 SERIES TOURING (E61) (cont'd)								
520i								
2.0i	E61	125	N43B20A		09.2007->up		250-241053	
523i								
2.5i	E61	130	N52B25UL		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E61	130	N52B25UL		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E61	130	N52B25UL		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E61	130	N52B25UL		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
2.5i	E61	140	N53B25U0		01.2007->up	Cyl 1-3	250-25018	250-24713
	E61	140	N53B25U0		01.2007->up	Cyl 4-6	250-25046	250-24466
525d								
2.5d	E61	130	M57D25TU		06.2004->up		800-95008	800-95008
525i								
2.5i	E61	141	M54B25-6S5	LH Drive	06.2004->02.2005	Cyl 1-3	250-24611	250-24392
	E61	141	M54B25-6S5	LH Drive	06.2004->02.2005	Cyl 4-6	250-24611	250-24392
	E61	141	M54B25-6S5	RH Drive	06.2004->02.2005	Cyl 1-3	250-24411	250-24392
	E61	141	M54B25-6S5	RH Drive	06.2004->02.2005	Cyl 4-6	250-24611	250-24392
2.5i	E61	160	N52B25O0		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E61	160	N52B25O0		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E61	160	N52B25O0		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E61	160	N52B25O0		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
3.0i	E61	160	N53B30U0		01.2007->up	Cyl 1-3	250-25018	250-24713
	E61	160	N53B30U0		01.2007->up	Cyl 4-6	250-25046	250-24466
525xd								
3.0d	E61	145	M57D30U2		09.2007->up		800-95008	800-95008
525xi								
2.5i	E61	160	N52B25O0		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E61	160	N52B25O0		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E61	160	N52B25O0		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E61	160	N52B25O0		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
3.0i	E61	160	N53B30O0		01.2007->up	Cyl 1-3	250-25018	250-24713
	E61	160	N53B30O0		01.2007->up	Cyl 4-6	250-25046	250-24466
530d								
3.0i	E61	160	M57D30TU		06.2004->12.2006		800-95008	800-95008
	E61	170	M57D30TU2		09.2005->12.2006		800-95008	800-95008
	E61	173	M57D30O2		01.2007->up		800-95008	800-95008
530i, 530xi								
3.0i	E61	190	N52B30O0		07.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E61	190	N52B30O0		07.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E61	190	N52B30O0		11.2005->12.2006	Cyl 1-3	250-25018	250-24464
	E61	190	N52B30O0		11.2005->12.2006	Cyl 4-6	250-25046	250-24465
3.0i	E61	200	N53B30O0		01.2007->up	Cyl 1-3	250-25018	250-24713
	E61	200	N53B30O0		01.2007->up	Cyl 4-6	250-25046	250-24466
530xd								
3.0d	E61	170	M57306D3		09.2005->12.2006		800-95008	800-95008
	E61	173	M57D30O2		01.2007->up		800-95008	800-95008
535d								
3.0d	E61	210	M57N306D5		01.2007->up		800-95004	
545i								
4.4i	E61	245	N62B44	A/T	06.2004->09.2005	Cyl 1-4	250-25003	250-24638
	E61	245	N62B44	A/T	06.2004->09.2005	Cyl 5-8	250-25003	250-24638
	E61	245	N62B44	M/T	06.2004->09.2005	Cyl 1-4	250-25004	250-24638
	E61	245	N62B44	M/T	06.2004->09.2005	Cyl 5-8	250-25002	250-24638
550i								
4.8	E61	270	N62B48TU	A/T	09.2005->12.2006	Cyl 1-4	250-25044	250-24464
	E61	270	N62B48TU	A/T	09.2005->12.2006	Cyl 5-8	250-25044	250-24713
	E61	270	N62B48TU	M/T	09.2005->12.2006	Cyl 1-4	250-25046	250-24713
	E61	270	N62B48TU	M/T	09.2005->12.2006	Cyl 5-8	250-25043	250-24464
M5								
5.0	E61	373	S85B50	M/T	02.2007->up	Left	250-25044	250-24638
	E61	373	S85B50	M/T	02.2007->up	Right	250-25044	250-24638
5 SERIES TOURING (F11)								
520i								
2.0i	F11	135	N20B20A		09.2011->up		250-25089	250-241027
528i								
2.0i	F11	135	N20B20A		09.2011->up		250-25089	250-241027



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
5 SERIES TOURING (F11) (cont'd)								
528i xDrive								
2.0i	F11	180	N20B20A		09.2011->up		250-25089	250-241027
535i								
3.0i	F11	225	N55B30A		09.2010->up		250-25089	250-24991
535i xDrive								
3.0i	F11	225	N55B30A		09.2010->up		250-25089	250-24991
550i								
4.4i	F11	300	N63B44A		09.2010->up		250-25087	
	F11	300	N63B44A		09.2010->up		250-25087	
6 SERIES (E24)								
635CSi								
3.5i	E24	136	M30B35(Motronic,8:1,Cat.)		01.1985->04.1986		250-23016	
	E24	136	M30B35(Motronic,8:1,Cat.)		05.1986->12.1987		250-23034	
	E24	136	M30B35(Motronic,8:1,Cat.)		01.1988->04.1989		250-24382	
3.5i	E24	141	M30B35		04.1985->04.1986		250-23016	
	E24	141	M30B35		05.1986->12.1987		250-23034	
	E24	141	M30B35		01.1988->04.1989		250-24382	
	E24	155	M30B35		01.1988->04.1989		250-24382	
	E24	155	M30B35		08.1997->12.1987		250-23034	
M 635CSi								
3.5i	E24	191	S38B35(Cat)		10.1986->10.1988		250-23034	
	E24	211	S38B35		09.1986->04.1989		250-23034	
6 SERIES (E63)								
630i								
3.0i	E63	190	N52B3000		09.2004->11.2005	Cyl 1-3	250-25042	250-24713
	E63	190	N52B3000		09.2004->11.2005	Cyl 4-6	250-25042	250-24466
	E63	190	N52B3000		11.2005->08.2007	Cyl 1-3	250-25018	250-24713
	E63	190	N52B3000		11.2005->08.2007	Cyl 4-6	250-25046	250-24466
3.0i	E63	200	N53B3000		09.2007->up	Cyl 1-3	250-25018	250-24713
	E63	200	N53B3000		09.2007->up	Cyl 4-6	250-25046	250-24466
635d								
3.0d	E63	210	N57N306D5		09.2007->up			800-95004
645Ci								
4.4i	E63	245	N62B44A,N62B44	A/T	01.2004->08.2007	Cyl 1-4	250-25003	250-24638
	E63	245	N62B44A,N62B44	A/T	01.2004->08.2007	Cyl 5-8	250-25003	250-24638
	E63	245	N62B44A,N62B44	M/T	01.2004->08.2007	Cyl 1-4	250-25004	250-24638
	E63	245	N62B44A,N62B44	M/T	01.2004->08.2007	Cyl 5-8	250-25002	250-24638
650i								
4.8i	E63	270	N62B48TU	A/T	07.2005->08.2007	Cyl 1-4	250-25044	250-24464
	E63	270	N62B48TU	A/T	07.2005->08.2007	Cyl 5-8	250-25044	250-24713
	E63	270	N62B48TU	M/T	07.2005->08.2007	Cyl 1-4	250-25046	250-24464
	E63	270	N62B48TU	M/T	07.2005->08.2007	Cyl 5-8	250-25043	250-24713
M6								
5.0i	E63	373	S85B50		09.2005->up	Left	250-25044	250-24638
	E63	373	S85B50		09.2005->up	Right	250-25044	250-24638
6 SERIES CABRIOLET (E64)								
630i								
3.0i	E64	190	N52B3000		09.2004->11.2005	Cyl 1-3	250-25042	250-24713
	E64	190	N52B3000		09.2004->11.2005	Cyl 4-6	250-25042	250-24466
	E64	190	N52B3000		11.2005->08.2007	Cyl 1-3	250-25018	250-24713
	E64	190	N52B3000		11.2005->08.2007	Cyl 4-6	250-25046	250-24466
3.0i	E64	200	N53B3000		09.2007->up	Cyl 1-3	250-25018	250-24713
	E64	200	N53B3000		09.2007->up	Cyl 4-6	250-25046	250-24466
635d								
3.0d	E64	210	M57N306D5		09.2007->up			800-95004
645Ci								
4.4i	E64	245	N62B44	A/T	04.2004->08.2007	Cyl 1-4	250-25003	250-24638
	E64	245	N62B44	A/T	04.2004->08.2007	Cyl 5-8	250-25003	250-24638
	E64	245	N62B44	M/T	04.2004->08.2007	Cyl 1-4	250-25004	250-24638
	E64	245	N62B44	M/T	04.2004->08.2007	Cyl 5-8	250-25002	250-24638
650i								
4.8i	E64	270	N62B48TU	A/T	07.2005->08.2007	Cyl 1-4	250-25044	250-24464
	E64	270	N62B48TU	A/T	07.2005->08.2007	Cyl 5-8	250-25044	250-24713
	E64	270	N62B48TU	M/T	07.2005->08.2007	Cyl 1-4	250-25046	250-24464
	E64	270	N62B48TU	M/T	07.2005->08.2007	Cyl 5-8	250-25043	250-24713



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
6 SERIES CABRIOLET (E64) (cont'd)								
M6								
5.0i	E64	373	S85B50		09.2006->up	Left	250-25044	250-24638
	E64	373	S85B50		09.2006->up	Right	250-25044	250-24638
7 SERIES (E23)								
735i								
3.5i	E23	136	M30B35(Motronic,8:1,Cat.)		01.1985->04.1986		250-23016	
	E23	136	M30B35(Motronic,8:1,Cat.)		05.1986->08.1986		250-23034	
	E23	141	M30B35(Motronic)		04.1985->04.1986		250-23016	
	E23	141	M30B35(Motronic)		05.1986->08.1986		250-23034	
3.5i	E23	160	M30B35(Motronic, 9.3:1 , 10:1)		01.1986->08.1986		250-21015	
7 SERIES (E32)								
730i, 730iL								
3.0i	E32	138	M30B30		01.1987->09.1987		250-24023	
	E32	138	M30B30		09.1987->03.1994		250-24382	
	E32	145	M30B30		12.1986->09.1987		250-24023	
	E32	145	M30B30		09.1987->12.1988		250-24382	
730i V8, 730iL V8								
3.0i	E32	160	M60B30	A/T	01.1992->05.1994	Left	250-24605	
	E32	160	M60B30	A/T	01.1992->05.1994	Right	250-24605	
	E32	160	M60B30	M/T	01.1992->05.1994	Left	250-24607	
	E32	160	M60B30	M/T	01.1992->05.1994	Right	250-24607	
735i, 735iL								
3.5i	E32	155	M30B35		09.1987->09.1992		250-24023	
	E32	155	M30B35		09.1986->07.1992		250-24382	
	E32	162	M30B34,M30B35		09.1986->09.1987		250-24023	
	E32	162	M30B34,M30B35		09.1987->12.1987		250-24382	
740i V8, 740iL V8								
4.0i	E32	210	M60B40		09.1992->05.1994	Left	250-24605	
	E32	210	M60B40		09.1992->05.1994	Right	250-24605	
750i V12, 750iL V12								
5.0i	E32	220	M70B50		09.1987->05.1994	Left	250-24035	
	E32	220	M70B50		09.1987->05.1994	Right	250-24035	
7 SERIES (E38)								
728i, 728iL								
2.8i	E38	142	M52B28,M52B28TU		08.1995->09.1998	Left	250-24810	
	E38	142	M52B28,M52B28TU		08.1995->09.1998	Right	250-24810	
2.8i	E38	142	M52B28,M52B28TU	LH Drive	09.1998->08.2001	Left	250-24611	250-24392
	E38	142	M52B28,M52B28TU	LH Drive	09.1998->08.2001	Right	250-24611	250-24392
	E38	142	M52B28,M52B28TU	RH Drive	09.1998->08.2001	Left	250-24589	250-24392
	E38	142	M52B28,M52B28TU	RH Drive	09.1998->08.2001	Right	250-24589	250-24392
730i, 730iL								
3.0i	E38	155	M60B30		10.1994->08.2001	Left	250-24380	
	E38	155	M60B30		10.1994->08.2001	Right	250-24380	
735i, 735iL								
3.5i	E38	173	M62B(358S1),M62B35		04.1996->09.1998	Left	250-24611	250-24125
	E38	173	M62B(358S1),M62B35		04.1996->09.1998	Right	250-24611	250-24125
740i, 740iL								
4.0i	E38	210	M60B40		10.1994->03.1996	Left	250-24380	
	E38	210	M60B40		10.1994->03.1996	Right	250-24380	
4.4i	E38	210	M62B44TU,M62B44,M62448S2		04.1996->08.2001	Left	250-24611	250-24125
	E38	210	M62B44TU,M62B44,M62448S2		04.1996->08.2001	Right	250-24611	250-24125
750i, 750iL								
5.4i	E38	240	M73B54		12.1994->08.2001	Left	250-24611	250-24125
	E38	240	M73B54		12.1994->08.2001	Right	250-24611	250-24125
7 SERIES (E65, E66)								
730i, 730Li								
3.0i	E65, E66	170	M54B30	LH Drive	09.2003->02.2005	Cyl 1-3	250-24611	250-24392
	E65, E66	170	M54B30	LH Drive	09.2003->02.2005	Cyl 4-6	250-24611	250-24392
	E65, E66	170	M54B30	RH Drive	09.2003->02.2005	Cyl 1-3	250-24411	250-24392
	E65, E66	170	M54B30	RH Drive	09.2003->02.2005	Cyl 4-6	250-24611	250-24392
3.0i	E65, E66	190	N52B3000		03.2005->11.2005	Cyl 1-3	250-25042	250-24464
	E65, E66	190	N52B3000		03.2005->11.2005	Cyl 4-6	250-25042	250-24465
	E65, E66	190	N52B3000		11.2005->up	Cyl 1-3	250-25018	250-24464
	E65, E66	190	N52B3000		11.2005->up	Cyl 4-6	250-25046	250-24465



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
7 SERIES (E65, E66) (cont'd)								
730Ld								
3.0d	E65, E66	170	M57D30TU2		07.2005->up			800-95008
735i, 735Li								
3.6i	E65, E66	200	N62B36	LH Drive	11.2001->05.2002	Cyl 1-4	250-25003	250-24638
	E65, E66	200	N62B36	LH Drive	11.2001->05.2002	Cyl 5-8	250-25002	250-24638
	E65, E66	200	N62B36	RH Drive	11.2001->05.2002	Cyl 1-4	250-25002	250-24638
	E65, E66	200	N62B36	RH Drive	11.2001->05.2002	Cyl 5-8	250-25057	250-24638
3.6i	E65, E66	200	N62B36	LH Drive	05.2002->02.2005	Cyl 1-4	250-25003	250-24638
	E65, E66	200	N62B36	LH Drive	05.2002->02.2005	Cyl 5-8	250-25003	250-24638
	E65, E66	200	N62B36	RH Drive	05.2002->02.2005	Cyl 1-4	250-25002	250-24638
	E65, E66	200	N62B36	RH Drive	05.2002->02.2005	Cyl 5-8	250-25003	250-24638
740i, 740Li								
4.0i	E65, E66	225	N62B40TU		07.2005->up	Cyl 1-4	250-25044	250-24464
	E65, E66	225	N62B40TU		07.2005->up	Cyl 5-8	250-25044	250-24713
745d								
4.4d	E65, E66	220	448D1		03.2005->08.2005			800-95009
745i, 745Li								
4.4i	E65, E66	245	N62B44A,N62B44	LH Drive	11.2001->05.2002	Cyl 1-4	250-25003	250-24638
	E65, E66	245	N62B44A,N62B44	LH Drive	11.2001->05.2002	Cyl 5-8	250-25002	250-24638
	E65, E66	245	N62B44A,N62B44	RH Drive	11.2001->05.2002	Cyl 1-4	250-25002	250-24638
	E65, E66	245	N62B44A,N62B44	RH Drive	11.2001->05.2002	Cyl 5-8	250-25057	250-24638
4.4i	E65, E66	245	N62B44A,N62B44	LH Drive	05.2002->02.2005	Cyl 1-4	250-25003	250-24638
	E65, E66	245	N62B44A,N62B44	LH Drive	05.2002->02.2005	Cyl 5-8	250-25003	250-24638
	E65, E66	245	N62B44A,N62B44	RH Drive	05.2002->02.2005	Cyl 1-4	250-25002	250-24638
	E65, E66	245	N62B44A,N62B44	RH Drive	05.2002->02.2005	Cyl 5-8	250-25003	250-24638
750i, 750Li								
4.8i	E65, E66	270	N62B48TU		07.2005->up	Cyl 1-4	250-25044	250-24464
	E65, E66	270	N62B48TU		07.2005->up	Cyl 5-8	250-25044	250-24713
6.0i	E65, E66	327	N73B60	LH Drive	02.2003->09.2006	Cyl 1-6	250-25003	250-24638
	E65, E66	327	N73B60	LH Drive	02.2003->09.2006	Cyl 7-12	250-25003	250-24638
	E65, E66	327	N73B60	RH Drive	02.2003->09.2006	Cyl 1-6	250-25002	250-24638
	E65, E66	327	N73B60	RH Drive	02.2003->09.2006	Cyl 7-12	250-25003	250-24638
6.0i	E65, E66	327	N73B60A		02.2003->09.2006	Cyl 1-6	250-25044	250-24638
	E65, E66	327	N73B60A		02.2003->09.2006	Cyl 7-12	250-25044	250-24638
	E65, E66	327	N73B60A		09.2006->up	Cyl 1-6	250-25044	250-24464
	E65, E66	327	N73B60A		09.2006->up	Cyl 7-12	250-25044	250-24464
7 SERIES (F04)								
750i								
4.4i	F04	300	N63B44A		11.2008->06.2012	Left	250-25087	
	F04	300	N63B44A		11.2008->06.2012	Right	250-25087	
750i xDrive								
4.4i	F04	300	N63B44A		09.2009->06.2012	Left	250-25087	
	F04	300	N63B44A		09.2009->06.2012	Right	250-25087	
750Li								
4.4i	F04	300	N63B44A		11.2008->06.2012	Left	250-25087	
	F04	300	N63B44A		11.2008->06.2012	Right	250-25087	
750Li xDrive								
4.4i	F04	300	N63B44A		09.2009->06.2012	Left	250-25087	
	F04	300	N63B44A		09.2009->06.2012	Right	250-25087	
760i								
6.0i	F04	300	N74B60A		09.2009->06.2012	Left	250-25087	
	F04	300	N74B60A		09.2009->06.2012	Right	250-25087	
8 SERIES (E65, E66)								
840Ci								
4.4i	E31	210	M62B44TU,M62B44		03.1996->12.1999	Left	250-24611	
	E31	210	M62B44TU,M62B44		03.1996->12.1999	Right	250-24611	
840i								
4.0i	E31	210	M60B40		02.1993->04.1994	Left	250-24607	
	E31	210	M60B40		02.1993->04.1994	Right	250-24607	
4.0i	E31	210	M60B40	A/T	04.1994->02.1996	Left	250-24380	
	E31	210	M60B40	A/T	04.1994->02.1996	Right	250-24380	
	E31	210	M60B40	M/T	04.1994->02.1996	Left	250-24605	
	E31	210	M60B40	M/T	04.1994->02.1996	Right	250-24605	
850Ci								
5.4i	E31	240	M73B54		09.1994->12.1999	Left	250-24611	250-24125
	E31	240	M73B54		09.1994->12.1999	Right	250-24611	250-24125



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
8 SERIES (E65, E66) (cont'd)								
850CSi								
5.6i	E31	280	S70B56		04.1993->07.1996	Left	250-24024	
	E31	280	S70B56		04.1993->07.1996	Right	250-24024	
850i, 850Ci								
5.0i	E31	220	M70B50		04.1990->08.1994		250-24035	
X3 SERIES								
2.0d								
2.0d	E83	110	M47D20TU		10.2004->08.2007		800-95008	800-95008
	E83	130	N47D2000		09.2007->up		800-95008	800-95008
2.0i								
2.0i	E83	110	N46B20B		08.2006->up		250-25002	
	E83	110	N46B20OL		09.2005->07.2006		250-25002	
	E83	110	N46B2001		07.2005->up			250-241037
2.0i xDrive								
2.0i	E83	110	N46B2001		09.2008->up			250-241037
	F25	135	N20B20A		09.2011->up		250-25089	250-241027
2.5i								
2.5i	E83	141	M54256S5,M54B25		03.2004->07.2006	Cyl 1-3	250-24611	250-24392
	E83	141	M54256S5,M54B25		03.2004->07.2006	Cyl 4-6	250-24611	250-24392
2.5si								
2.5i	E83	160	N52B25A		09.2006->up	Cyl 1-3	250-25018	250-24713
	E83	160	N52B25A		09.2006->up	Cyl 4-6	250-25046	250-24465
3.0d								
3.0d	E83	150	M57D30-204		01.2004->09.2005			800-95009
	E83	160	M57D30TU	LH Drive	09.2005->07.2006		800-95008	800-95008
	E83	160	M57D30TU	LH Drive	08.2006->up		800-95009	800-95009
	E83	160	M57D30TU	RH Drive	09.2005->up		800-95008	800-95008
3.0i								
3.0i	E83	170	M54306S3,M54B30		01.2004->up	Cyl 1-3	250-24611	250-24392
	E83	170	M54306S3,M54B30		01.2004->up	Cyl 4-6	250-24611	250-24392
3.0si								
3.0i	E83	200	N52B30A		09.2006->up	Cyl 1-3	250-25018	250-24713
	E83	200	N52B30A		09.2006->up	Cyl 4-6	250-25046	250-24465
35i xDrive								
3.0i	F25	225	N55B30A		09.2010->up			250-24993
X5 SERIES								
3.0d								
3.0d	E53	160	M57N306D4		12.2003->11.2006		800-95008	800-95008
3.0i								
3.0i	E53	163	M54306S3		05.2000->up		250-24611	250-24392
	E53	170	M54B30		05.2000->11.2006	Cyl 1-3	250-24611	250-24392
	E53	170	M54B30		05.2000->11.2006	Cyl 4-6	250-24611	250-24392
3.0sd								
3.0d	E70	210	M57N306D5		09.2007->up			800-95004
3.0si								
3.0i	E70	200	N52B30A,N52B30		02.2007->up	Cyl 1-3	250-25018	250-24713
	E70	200	N52B30A,N52B30		02.2007->up	Cyl 4-6	250-25047	250-24465
35i xDrive								
3.0i	E70	225	N55B30A		09.2010->up		250-25089	250-24991
4.4i								
4.4i	E53	210	M62B44TU,M62B44		05.2000->08.2003	Left	250-24611	250-24390
	E53	210	M62B44TU,M62B44		05.2000->08.2003	Right	250-24611	250-24390
4.4i	E53	235	N62B44A,N62B44		12.2003->11.2006	Cyl 1-4	250-25002	250-24638
	E53	235	N62B44A,N62B44		12.2003->11.2006	Cyl 5-8	250-25003	250-24657
50i xDrive								
4.4i	E70	300	N63B44A		06.2010->up	Left	250-25087	
	E70	300	N63B44A		06.2010->up	Right	250-25087	
4.4i	E70	408	S63B44A		09.2009->up	Left	250-25087	
	E70	408	S63B44A		09.2009->up	Right	250-25087	
4.6is								
4.6i	E53	255	M67468S1,M62B46		02.2002->up	Left	250-24611	250-24390
	E53	255	M67468S1,M62B46		02.2002->up	Right	250-24611	250-24390



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
X5 SERIES (cont'd)								
4.8i								
4.8i	E70	261	N62B48O1		02.2007->up	Cyl 1-4	250-25044	250-24464
	E70	261	N62B48O1		02.2007->up	Cyl 5-8	250-25046	250-24464
4.8is								
4.8i	E53	265	N62B48A		04.2004->11.2006	Cyl 1-4	250-25002	250-24638
	E53	265	N62B48A		04.2004->11.2006	Cyl 5-8	250-25003	250-24657
X6 SERIES								
30d								
3.0d	E71	173	M57D30O2		05.2008->up		800-95008	800-95008
35d								
3.0d	E71	210	N57N306D5		05.2008->up			800-95004
35i								
3.0i	E71	225	N54B30A		05.2008->up	Left	250-25047	250-24466
	E71	225	N54B30A		05.2008->up	Right	250-25048	250-24713
35i xDrive								
3.0i	E71, E72	225	N55B30A		09.2008->up	Left	250-25089	250-24991
	E71, E72	225	N55B30A		09.2008->up	Right	250-25089	250-24991
Active Hybrid								
4.4i	E71, E72	357	N63B44A		10.2010->up	Left	250-25087	
	E71, E72	357	N63B44A		10.2010->up	Right	250-25087	
M								
4.4i	E71, E72	408	S63B44A		09.2009->up	Left	250-25087	
	E71, E72	408	S63B44A		09.2009->up	Right	250-25087	
50i xDrive								
4.4i	E71, E72	300	N63B44A		09.2008->up	Left	250-25087	
	E71, E72	300	N63B44A		09.2008->up	Right	250-25087	
Z1 SERIES								
2.5		125	M20B25		03.1989->06.1991		250-24613	
Z3 SERIES								
1.8		85	M43B18		01.1996->08.1998		250-24380	
1.9		85	M43B19	Euro 3 (D3)	06.1999->01.2003		250-24611	250-24125
		87	M43B19		09.1998->01.2003		250-24611	250-24125
		103	M44B19		01.1996->03.1999		250-24611	
2.0		110	M52B20	LH Drive, Euro 3 (D3)	04.1999->01.2003	Cyl 1-3	250-24611	250-24392
		110	M52B20	LH Drive, Euro 3 (D3)	04.1999->01.2003	Cyl 4-6	250-24611	250-24392
		110	M52B20	RH Drive, Euro 3 (D3)	06.1999->12.2000	Cyl 1-3	250-24589	250-24390
		110	M52B20	RH Drive, Euro 3 (D3)	06.1999->12.2000	Cyl 4-6	250-24589	250-24125
2.2		125	M54B22	LH Drive	08.2000->01.2003	Cyl 1-3	250-24611	250-24392
		125	M54B22	LH Drive	08.2000->01.2003	Cyl 4-6	250-24611	250-24392
		125	M54B22	RH Drive	08.2000->01.2003	Cyl 1-3	250-24411	250-24392
		125	M54B22	RH Drive	08.2000->01.2003	Cyl 4-6	250-24589	250-24392
2.8		141	M52B28,M52B28TU		04.1997->09.1998		250-24516	
		141	M52B28,M52B28TU	LH Drive	09.1998->06.2000	Cyl 1-3	250-24611	250-24392
		141	M52B28,M52B28TU	LH Drive	09.1998->06.2000	Cyl 4-6	250-24611	250-24392
		141	M52B28,M52B28TU	RH Drive	09.1998->06.2000	Cyl 1-3	250-24589	250-24390
		141	M52B28,M52B28TU	RH Drive	09.1998->06.2000	Cyl 4-6	250-24589	250-24125
3.0		170	M54B30	LH Drive	06.2000->01.2003	Cyl 1-3	250-24611	250-24392
		170	M54B30	LH Drive	06.2000->01.2003	Cyl 4-6	250-24611	250-24392
		170	M54B30	RH Drive	06.2000->09.2000	Cyl 1-3	250-24589	250-24392
		170	M54B30	RH Drive	06.2000->09.2000	Cyl 4-6	250-24589	250-24392
		170	M54B30	RH Drive	09.2000->01.2003	Cyl 1-3	250-24411	250-24392
		170	M54B30	RH Drive	09.2000->01.2003	Cyl 4-6	250-24589	250-24392
M 3.2		236	S50B32	LH Drive	03.1997->04.2001	Cyl 1-3	250-24143	
		236	S50B32	LH Drive	03.1997->04.2001	Cyl 4-6	250-24445	
		236	S50B32	RH Drive	03.1997->04.2001	Cyl 1-3	250-24444	
		236	S50B32	RH Drive	03.1997->04.2001	Cyl 4-6	250-24478	
		239	S54B32(326S4),S54B32		06.2001->01.2003	Cyl 1-3	250-24445	250-24143
		239	S54B32(326S4),S54B32		06.2001->01.2003	Cyl 4-6	250-24444	250-24125
Z3 COUPE								
2.8		141	M52B28		07.1998->09.1998		250-24516	
		141	M52B28	Euro 3 (D3)	09.1998->06.2000	Cyl 1-3	250-24611	250-24392
		141	M52B28	Euro 3 (D3)	09.1998->06.2000	Cyl 4-6	250-24611	250-24392
3.0		170	M54B30		06.2000->06.2003	Cyl 1-3	250-24611	250-24392
		170	M54B30		06.2000->06.2003	Cyl 4-6	250-24611	250-24392
M 3.2		236	S50B32	LH Drive	09.1998->04.2001	Cyl 1-3	250-24143	
		236	S50B32	LH Drive	09.1998->04.2001	Cyl 4-6	250-24445	
		236	S50B32	RH Drive	10.1998->04.2001	Cyl 1-3	250-24444	
		236	S50B32	RH Drive	10.1998->04.2001	Cyl 4-6	250-24478	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
BMW (cont'd)								
Z3 COUPE (cont'd)								
M 3.2		239	S54326S4,S54B32		06.2001->06.2003	Cyl 1-3	250-24445	250-24143
		239	S54326S4,S54B32		06.2001->06.2003	Cyl 4-6	250-24444	250-24125
Z4 SERIES								
2.0i	E85	110	N46B20,N46B20A		04.2005->up		250-25002	
2.2i	E85	125	M54B22	LH Drive, Euro 4 (D4)	03.2004->01.2006	Cyl 1-3	250-24611	250-24392
	E85	125	M54B22	LH Drive, Euro 4 (D4)	03.2004->01.2006	Cyl 4-6	250-24611	250-24392
	E85	125	M54B22	RH Drive, Euro 4 (D4)	03.2004->01.2006	Cyl 1-3	250-24411	250-24392
	E85	125	M54B22	RH Drive, Euro 4 (D4)	03.2004->01.2006	Cyl 4-6	250-24589	250-24392
2.5i	E85	130	N52B25B		02.2006->up	Cyl 1-3	250-25018	250-24713
	E85	130	N52B25B		02.2006->up	Cyl 4-6	250-25046	250-24465
2.5i	E85	141	M54256S5,M54B25	LH Drive	02.2003->01.2006	Cyl 1-3	250-24611	250-24392
	E85	141	M54256S5,M54B25	LH Drive	02.2003->01.2006	Cyl 4-6	250-24611	250-24392
	E85	141	M54256S5,M54B25	RH Drive	02.2003->01.2006	Cyl 1-3	250-24411	250-24392
	E85	141	M54256S5,M54B25	RH Drive	02.2003->01.2006	Cyl 4-6	250-24589	250-24392
2.5si	E85	160	N52B25A		02.2006->up	Cyl 1-3	250-25018	250-24713
	E85	160	N52B25A		02.2006->up	Cyl 4-6	250-25046	250-24465
3.0i	E85	170	M54306S3,M54B30	LH Drive	02.2003->up	Cyl 1-3	250-24611	250-24392
	E85	170	M54306S3,M54B30	LH Drive	02.2003->up	Cyl 4-6	250-24611	250-24392
	E85	170	M54306S3,M54B30	RH Drive	02.2003->up	Cyl 1-3	250-24411	250-24392
	E85	170	M54306S3,M54B30	RH Drive	02.2003->up	Cyl 4-6	250-24589	250-24392
3.0si	E85	195	N52B30A,N52B30		02.2006->up	Cyl 1-3	250-25018	250-24713
	E85	195	N52B30A,N52B30		02.2006->up	Cyl 4-6	250-25046	250-24465
3.2M	E85	252	S54B32		03.2006->up	Cyl 1-3	250-25046	
	E85	252	S54B32		03.2006->up	Cyl 4-6	250-25046	
Z4 COUPE								
2.0i	E85	110	N46B2001		04.2005->up			250-241039
3.0si		195	N52B30A,N52B30		04.2006->up	Cyl 1-3	250-25018	250-24713
		195	N52B30A,N52B30		04.2006->up	Cyl 4-6	250-25046	250-24465
3.2M		252	S54B32		04.2006->up	Cyl 1-3	250-25046	
		252	S54B32		04.2006->up	Cyl 4-6	250-25046	
Z8 SERIES								
4.9i		294	S62B50		06.2000->06.2003	Left	250-24611	250-24125
		294	S62B50		06.2000->06.2003	Right	250-24611	250-24125
CHEVROLET								
AVEO SEDAN								
1.2	T250, T255	62	B12D1		04.2008->up		250-24851	
1.4	T250, T255	74	F14D3		04.2008->up		250-24851	250-24850
AVEO HATCHBACK								
1.4	T250, T255	74	F14D3		09.2008->up		250-24851	250-24850
1.5	T250, T255	62	B12D1		05.2005->up		250-24851	
CAPTIVA								
3.0	C100, C140	190	A30XH, LF1		01.2010->up	Left	250-24649	250-24649
	C100, C140	190	A30XH, LF1		01.2010->up	Right	250-24649	250-24649
EVANDA								
2.0		96	C20SED		03.2005->up		250-24490	250-24490
HHR								
2.4		125	LE5		10.2007->up		250-24470	250-24354
KALOS								
1.2		53	T4	Euro 2	03.2005->up		250-24973	250-24067
		53	T4	Euro 5	03.2005->up		250-24973	250-24183
1.4		61	ETECII	Euro 3 (D3)	03.2005->up		250-24973	250-24490
		61	ETECII	Euro 4 (D4)	03.2005->up		250-24973	250-241001
1.4 16V		69	F14D3	Euro 3 (D3)	03.2005->up		250-24490	250-24490
		69	F14D3	Euro 4 (D4)	03.2005->up		250-24067	250-241001
LACETTI								
1.4 16V		70	F14D3	Euro 2	03.2005->up		250-24067	250-24067
		70	F14D3	Euro 5	03.2005->up		250-24183	250-24183
1.6		80	A16DMS	Euro 2	03.2005->up		250-24067	250-24067
		80	A16DMS	Euro 5	03.2005->up		250-24183	250-24183
NUBIRA KOMBI								
1.6		80	A16MDS	Euro 2	03.2005->up		250-24067	250-24067
		80	A16MDS	Euro 5	03.2005->up		250-24183	250-24183
NUBIRA SALOON								
1.6		80	A16DMS	Euro 2	03.2005->up		250-24067	250-24067
		80	A16DMS	Euro 5	03.2005->up		250-24183	250-24183



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CHEVROLET (cont'd)								
REZZO								
1.6		77	A16DMS		03.2005->09.2005		250-22076	250-24789
		79	A16DMS		08.2005->09.2005		250-22076	250-24629
		79	A16DMS		09.2005->up		250-22015	250-24789
2.0		89	X20SED		03.2005->up		250-22015	250-241001
		90	X20SED		08.2005->09.2005		250-22015	250-24012
		90	X20SED		09.2005->up		250-22015	250-241001
TACUMA								
2.0i 16V		89			09.2005->06.2008			250-241001
CHRYSLER								
300C								
2.7		142	EER-E4		09.2004->up	Left	250-24253	250-24253
		142	EER-E4		09.2004->up	Right	250-24253	250-24253
3.5		183	EGG-E4		09.2004->up	Left	250-24253	250-24253
		183	EGG-E4		09.2004->up	Right	250-24253	250-24253
5.7		250	EZB		09.2004->up	Left	250-24680	250-24253
		250	EZB		09.2004->up	Right	250-24680	250-24460
300C TOURING								
2.7		142	EERE4		09.2004->up	Left	250-24253	250-24253
		142	EERE4		09.2004->up	Right	250-24253	250-24253
3.5		183	EGGE4		09.2004->up	Left	250-24253	250-24253
		183	EGGE4		09.2004->up	Right	250-24253	250-24253
3.5 AWD		183	EGGE4		09.2004->up	Left	250-24253	250-24253
		183	EGGE4		09.2004->up	Right	250-24253	250-24253
5.7		250	EZB		09.2004->up	Left	250-24680	250-24253
		250	EZB		09.2004->up	Right	250-24680	250-24460
5.7 AWD		250	EZB		04.2005->up	Left	250-24680	250-24253
		250	EZB		04.2005->up	Right	250-24680	250-24460
300M								
2.7 V6 24V	LR	149	EER		11.1998->08.2000	Left	250-24942	250-24942
	LR	149	EER		11.1998->08.2000	Right	250-24942	250-24942
	LR	150	EER		01.2001->12.2001	Left	250-24942	250-24942
	LR	150	EER		01.2001->12.2001	Right	250-24942	250-24942
	LR	150	EER		01.2002->04.2003	Left	250-24113	250-24942
	LR	150	EER		01.2002->04.2003	Right	250-24113	250-24942
2.7 V6 24V	LR	150	EES		08.2000->12.2001	Left	250-24942	250-24942
	LR	150	EES		08.2000->12.2001	Right	250-24942	250-24942
3.5 V6 24V	LR	185	EGC,EGG		08.2000->12.2001	Left	250-24942	250-24942
	LR	185	EGC,EGG		08.2000->12.2001	Right	250-24942	250-24942
	LR	185	EGC,EGG		01.2002->04.2003	Left	250-24113	250-24942
	LR	185	EGC,EGG		01.2002->04.2003	Right	250-24113	250-24942
3.5 V6 24V	LR	187	EGG		07.1998->08.2000	Left	250-24942	250-24942
	LR	187	EGG		07.1998->08.2000	Right	250-24942	250-24942
CROSSFIRE								
3.2		160	EGX		07.2003->up	Left	250-24469	250-24469
		160	EGX		07.2003->up	Right	250-24469	250-24469
SRT-6		246	EGZ		09.2004->up	Left	250-24469	250-24469
		246	EGZ		09.2004->up	Right	250-24469	250-24469
CROSSFIRE ROADSTER								
3.2		160	EGX		05.2004->up	Left	250-24469	250-24469
		160	EGX		05.2004->up	Right	250-24469	250-24469
SRT-6		246	EGZ		09.2004->up	Left	250-24469	250-24469
		246	EGZ		09.2004->up	Right	250-24469	250-24469
NEON								
1.8 16V	PL	85	EBD		09.1997->12.1998		250-24942	250-24945
2.0 16V	PL	98	ECB		05.1994->12.1998		250-24942	250-24945
	PL	107	ECC		06.1994->12.1998		250-24942	250-24945
	PL	109	ECM		04.1996->12.1998		250-24942	250-24945
NEON II								
1.6		85	EJD		11.2001-> up		250-24946	250-24942
2.0 16V		98	ECB	LEV Specification	08.1999->12.2000		250-24942	250-24945
		98	ECB	ULEV Specification	08.1999->up		250-24946	250-24942
2.0 16V R/T		110	ECH		10.2001->up		250-24946	250-24942
PT CRUISER								
1.6	PT_	85	EJD		01.2004->up		250-24460	250-24251
2.0	PT_	104	ECC		09.2000->12.2002		250-24113	250-24942
	PT_	104	ECC		01.2003->12.2003		250-24253	250-24345
	PT_	104	ECC		01.2004->up		250-24460	250-24253
2.2 CRD	PT_	89	EDJ		03.2002->up			800-95009



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CHRYSLER (cont'd)								
PT CRUISER (cont'd)								
2.4	PT_	105	EDZ		08.2005->up		250-24460	250-24253
	PT_	110	EDZ		06.2000->12.2002		250-24113	250-24942
	PT_	110	EDZ		01.2003->12.2003		250-24253	250-24345
2.4	PT_	110	EDZ		01.2004->up		250-24460	250-24253
GT 2.4	PT_	164	EDV		08.2003->12.2003		250-24253	250-24345
	PT_	164	EDV		01.2004->up		250-24253	250-24253
PT CRUISER CABRIOLET								
2.4		105	EDZ		03.2004->up		250-24460	250-24253
2.4 GT		164	EDV		03.2004->up		250-24253	250-24253
SEBRING								
2.0		104			03.2000->10.2002		250-24265	
2.4		112			04.2001->10.2002		250-24265	
STRATUS								
2.0 LE	JA	96	C00		01.1997->12.1997		250-24942	250-24074
2.0 16V	JA	98	ECB		01.1997->12.1997		250-24942	250-24074
2.4 16V	JA	103	EDZ		01.1997->12.1997		250-24942	250-24074
	JA	112	EDZ		01.1997->12.1997		250-24942	250-24074
2.5 LX V6	JA	120	EEB,H00		01.1997->12.1997		250-24943	250-24074
	JA	120	EEB,H00		01.1998->12.1999		250-23032	
2.5 V6	JA	125	EEB		01.1997->12.1997		250-24943	250-24074
	JA	125	EEB		01.1998->12.1999		250-23032	
STRATUS CABRIOLET								
2.0 LE	JX	96	420X		01.1997->12.1997		250-24942	
2.5 LX	JX	120	625H		01.1997->12.1997		250-24943	
	JX	120	625H		01.1998->12.1999		250-23032	
VIPER								
8.0		282	EPD		07.1998->12.2002	Left	250-24943	250-24943
		282	EPD		07.1998->12.2002	Right	250-24943	250-24943
VIPER CONVERTIBLE								
8.0		282	EPD		07.1998->12.2002	Left	250-24943	250-24943
		282	EPD		07.1998->12.2002	Right	250-24943	250-24943
VISION								
3.5 TSI		155	F00,F01		09.1993->12.1997		250-24942	250-23074
VOYAGER II								
2.0 i	ES	98	ECB		10.1996->03.2001		250-24943	250-24942
2.4 i	ES	111	EDZ		01.1996->12.1997		250-24943	250-24081
	ES	111	EDZ		01.1998->12.1998		250-24002	250-24942
	ES	111	EDZ		01.1999->03.2001		250-24943	250-24081
3.3 i	ES	116	U3<EGA>		10.1998->03.2001		250-24942	250-24942
3.8 i AWD	ES	122	EGH164		10.1996->03.2001		250-24942	250-24942
	ES	131	EGH		10.1996->03.2001		250-24942	250-24942
VOYAGER III								
2.4	GS	108	EDZ		03.2001->07.2004		250-24314	250-24944
	GS	108	EDZ		07.2004->up		250-24253	250-24460
3.3	GS	128	EGA		02.2000->03.2001		250-24942	250-24942
	GS	128	EGA		03.2001->07.2004		250-24942	250-24944
	GS	128	EGA		07.2004->01.2008		250-24675	250-24460
3.3 AWD	GS	128	EGA		03.2001->07.2004		250-24942	250-24944
	GS	128	EGA		07.2004->01.2008		250-24675	250-24460
VOYAGER IV								
3.3	RG	125	EGA		01.2008->up		250-24675	250-24460
CITROEN								
AX								
1.4 GTI	ZA_	66	KFY(TU3FJ2)	To Prod. No. 6629	08.1991->01.1995		250-24579	
	ZA_	66	KFY(TU3FJ2)	Fr. Prod. No. 6630	02.1995->12.1996		250-24527	
1.4 GTI	ZA_	69	KFZ<TU3J2>		06.1991->01.1995		250-24579	
	ZA_	69	KFZ<TU3J2>		01.1995->07.1996		250-24527	
	ZA_	74	K6B<TU3J2>		06.1991->12.1992		250-24579	
10	ZA_	33	CDY(TU9M)	To Prod. No. 6629	07.1992->01.1995		250-24184	
	ZA_	37	CDZ<TU9M>	To Prod. No. 6629	07.1992->01.1995		250-24184	
	ZA_	37	CDZ<TU9M>	Fr. Prod. No. 6630	01.1995->07.1998		250-24527	
11	ZA_	44	HDZ<TU1M>	To Prod. No. 5292	07.1989->04.1991		250-24030	
	ZA_	44	HDZ<TU1M>	Fr. Prod. No. 5293, To Prod. No. 6629	05.1991->04.1994		250-24184	
	ZA_	44	HDZ<TU1M>	Fr. Prod. No. 6630	04.1995->07.1996		250-24527	
11 CAT	ZA_	40	HAZ(TU1CP)		09.1988->12.1989		250-24030	
14	ZA_	62	KDZ<TU3M>		01.1988->12.1989		250-24030	
	ZA_	55	KDY<TU3M>,KDZ<TU3M>		07.1990->04.1991		250-24030	
	ZA_	55	KDX<TU3M>,KDY<TU3M>		05.1991->04.1995		250-24184	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
CITROEN (cont'd)								
AX (cont'd)								
14	ZA_	55	KDX<TU3M>,KDX<TU3MC>		04.1995->12.1996		250-24527	
	ZA_	55	KDY<TU3M>,KDY<TU3MC>		04.1995->12.1996		250-24527	
14 4x4	ZA_	55	KDY<TU3MZ>		08.1991->01.1995		250-24184	
	ZA_	55	KDY<TU3MZ>		01.1995->07.1996		250-24527	
BERLINGO								
1.1i	MF	44	HDZ<TU1M>		07.1996->12.2002		250-24536	
	MF	44	HFX<TU1JP>		04.2002->10.2005		250-24841	250-24841
1.4i	MF	53	TU3JP(KFW)		11.2002->10.2005		250-241064	
	MF	53	TU3A(KFW)		11.2002->10.2005		250-24972	
1.4i	MF	55	K6C<TU3JP>		01.2000->12.2002		250-24936	
	MF	55	KFV<TU3A>	L5 Emissions	09.2005->05.2008		250-24972	250-24178
	MF	55	KFW<TU3JP>	L4 Emissions	09.2000->05.2008		250-241064	250-24841
	MF	55	KFX<TU3JP>	L3 Emissions	07.1996->12.2002		250-24665	250-24748
	MF	55	KFX<TU3JP>	L4 Emissions	05.1998->12.2002		250-24178	250-24841
1.4 Bivalent	MF	48	TU3JP,GNV(KFW)		04.2003->05.2008		250-24178	250-24841
	MF	55	TU3JP,GPL(KFW)		04.2003->05.2008		250-241064	250-24841
1.6		66	TU5JP4B		05.2008->up		250-24665	250-24841
		80	TU5JP4	L5 Emissions	05.2008->up		250-24665	250-24841
1.6 16V	MF	80	NFU<TU5JP4>		10.2000->up		250-24841	250-24841
1.8i	MF	66	LFX(XU7JB)		07.1997->up		250-24178	
1.8i 4WD	MF	66	LFX(XU7JB)		04.1997->11.2002		250-24000	
BERLINGO BOX								
1.1i	M_	44	HDZ<TU1M>		07.1996->12.2002		250-24536	
	M_	44	HFX<TU1JP>		01.2001->up		250-24841	250-24841
1.4 Bivalent	M_	48	TU3JP,GNV(KFW)		04.2003->05.2008		250-241064	250-24841
1.4i	M_	55	K6C<TU3JP>		01.2000->12.2002		250-24936	
	M_	55	KFV<TU3A>	L5 Emissions	09.2005->05.2008		250-24972	250-24841
	M_	55	KFW<TU3JP>		12.2002->05.2008		250-24178	250-24841
	M_	55	KFX<TU3JP>		07.1997->11.2002		250-24972	250-24748
1.4i Bivalent	M_	55	KFW(TU3JP)		04.2003->05.2008		250-241064	250-24841
1.6		66	TU5JP4B		05.2008->up		250-24665	250-24841
1.6 16V	M_	80	NFU<TU5JP4>		12.2002->up		250-24841	250-24841
BX								
14	XB_	55	KDY,KDZ<TU3M>		07.1989->02.1993		250-24030	
16	XB_	55	BAZ<XU5CP>		09.1988->09.1989		250-24030	
16E	XB_	65	BDY(XU5M),BDZ(XU5M)		09.1989->02.1993		250-24030	
19	XB_	75	DFZ<XU9J1>		07.1986->05.1989		250-24030	
19E	XB_	80	DDZ<XU9M>		07.1998->02.1993		250-24030	
19E 4x4	XB_	80	D2F		07.1989->02.1993		250-24030	
19 GTI	XB_	88	DKZ<XU9JA>		01.1992->02.1993		250-24030	
	XB_	90	D6A<XU9J2>		09.1986->03.1990		250-24030	
	XB_	90	D6D<XU9J2>		03.1990->02.1993		250-24030	
19 GTI 16V	XB_	108	DFW(XU9J4)		03.1988->02.1993		250-24030	
19 GTI 4x4	XB_	88	D6A<XU9J2>,D6D<XU9J2>		07.1989->02.1993		250-24030	
	XB_	88	DKZ<XU9JA>		07.1989->02.1993		250-24030	
BX BREAK								
1.9 TZI	XB_	92	D6D<XU9J2,K>		02.1992->12.1993		250-24030	
14	XB_	55	KDY<TU3M>		07.1990->02.1993		250-24030	
16	XB_	53	BAZ<XU5CP>		To->09.1989		250-24030	
	XB_	65	BDX<XU5M>,BDY<XU5M>		07.1990->12.1994		250-24030	
19	XB_	75	DFZ<XU9J1,Z>		07.1986->01.1992		250-24030	
	XB_	80	DDZ(XU9M)		07.1989->12.1994		250-24030	
	XB_	88	DKZ<XU9JA>		01.1992->02.1993		250-24030	
19 4x4	XB_	80	DDZ<XU9M>		10.1990->05.1991		250-24030	
19 CAT	XB_	75	DFZ(XU9J1)		07.1986->12.1994		250-24030	
C-CROSSER								
2.4 16V	EP_	125	4B12MMC		08.2008->up		250-24751	250-241056
C1								
1.0	PM_, PN_	50	1KR-FE		06.2005->up		250-24710	250-24901
C2								
1.1	JM_	44	HFX<TU1A>	L5 Emissions	04.2005->up		250-24972	250-24841
	JM_	44	HFX<TU1JP>	L5 Emissions	09.2003->up		250-24841	250-24841
1.4	JM_	54	KFV(TU3A)	L5 Emissions	04.2005->up		250-24972	250-24841
	JM_	54	KFV(TU3JP)	L4 Emissions	09.2003->04.2005		250-241064	250-24841
1.4 16V	JM_	65	ET3J4(KFU)		06.2006->up		250-24665	250-24841
1.6	JM_	80	NFU<TU5JP4>	Euro 4 (D4)	09.2003->up		250-24665	
	JM_	80	NFU<TU5JP4>	L5 Emissions	09.2003->up		250-24841	250-24841
1.6 VTS	JM_	90	NFS<TU5JP4S>	L5 Emissions	01.2005->up		250-24841	250-24841



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
CITROEN (cont'd)								
C15								
1.1i	VD_	44	HDY,HDZ<TU1M>	Fr. Prod. No. 5657	05.1992->04.1995		250-24184	
	VD_	44	HDY,HDZ<TU1M>		07.1988->12.1996		250-24536	
	VD_	44	HDZ<TU1M>	To Prod. No. 5656	09.1989->05.1992		250-24030	
1.4	VD_	49	K1H(TU3A)		07.1987->12.1996		250-24030	
1.4E	VD_	40	K3A		07.1987->12.1996		250-24030	
	VD_	44	KAZ<XY7CP		05.1987->07.1989		250-24030	
1.4i	VD_	55	KDY<TU3M>	To Prod. No. 5656	05.1991->05.1992		250-24030	
	VD_	55	KDY<TU3M>		05.1992->04.1995		250-24184	
	VD_	55	KDY<TU3M>		04.1995->12.1996		250-24536	
C25 BOX								
2.0E	280_ 290_	58	170B(XN1T),170A(XN1T)		09.1981->03.1994		250-24030	
C3								
1.1i	FC_	44	HFV<TU1A>	L5 Emissions	11.2005->up		250-24972	250-24841
	FC_	44	HFV<TU1JP>		02.2002->10.2005		250-24841	250-24841
1.4i	FC_	54	KFV(TU3A)		11.2005->up		250-24972	250-24841
	FC_	54	KFV(TU3JP)	L4 Emissions	04.2002->10.2005		250-241064	250-24841
	FC_	54	KFV(TU3JP)	L4 Emissions	11.2005->up		250-24841	250-24841
1.4i Bivalent	FC_	54	KFV(TU3JP)		02.2002->up		250-24178	250-24841
1.4 16V	FC_	65	ET3J4(KFU)	L4 Emissions	12.2003->10.2005		250-24665	250-24841
	FC_	65	ET3J4(KFU)	L5 Emissions	11.2005->up		250-24665	250-24841
1.6 16V	FC_	80	NFU<TU5JP4>	L4 Emissions	04.2002->10.2005		250-24841	250-24841
	FC_	80	NFU<TU5JP4>	L5 Emissions	07.2004->10.2005		250-24841	250-24841
	FC_	80	NFU<TU5JP4>	L5 Emissions	11.2005->up		250-24665	250-24841
C3 PICASSO								
1.4		70	8FS(EP3)		02.2009->up		250-25044	
1.6		88	5FW(EP6)		02.2009->up		250-25044	
C3 PLURIEL								
1.4	HB_	54	KFV(TU3JP)		05.2003->up		250-241064	250-24841
1.4 Hybrid	HB_	54	KFV<TU3A>		09.2005->up		250-24972	250-24841
1.6	HB_	80	NFU<TU5JP4>		05.2003->up		250-24841	250-24841
C4								
1.4 16V	LC_	65	ET3J4(KFU)		11.2004->up		250-24665	250-24841
1.6 16V	LC_	80	NFU<TU5JP4>		11.2004->up		250-24665	250-24841
1.6 16V Bio-Flex	LC_	80	TU5JP4		09.2007->up		250-24665	250-24841
1.6 THP 140	LC_	103			07.2008->up		250-25044	
1.6 VTi 120	LC_	88			07.2008->up		250-25044	
2.0 16V	LC_	100	RFN(EW10J4)		11.2004->up		250-24748	250-24410
C4 COUPE								
1.4 16V	LA_	65	ET3J4(KFU)		11.2004->up		250-24665	250-24841
1.6 16V	LA_	80	NFU<TU5JP4>	L4 Emissions	11.2004->up		250-24665	250-24841
	LA_	80	NFU<TU5JP4>	L5 Emissions	04.2008->up		250-24665	250-24841
1.6 VTi 120	LA_	88	5FW(EP6)		07.2008->up		250-25044	
2.0 16V	LA_	100	RFN(EW10J4)	L4 Emissions	11.2004->up		250-24748	250-24410
	LA_	130	EW10J4S,RFK(EW10J4S)		11.2004->up		250-24748	250-24410
C4 GRAND PICASSO								
1.6 16V	UA_	88	5FW(EP6)		07.2008->up		250-25044	
	UA_	103	5FT(EP6DT)		07.2008->up		250-25044	
C4 PICASSO								
1.6 THP 140	UD_	103	5FT(EP6DT)		07.2008->up		250-25044	
1.6 VTi 120	UD_	88	5FW(EP6)		07.2008->up		250-25044	
C5								
1.8 16V	DC_	85	6FZ<EW7J4>		03.2001->08.2004		250-24178	250-24921
	RC_	85	6FZ<EW7J4>		09.2004->12.2005		250-24841	250-24596
2.0 16V	DC_	100	RFN-EW10J4>		03.2001->08.2004		250-24841	250-24596
2.0 16V HPI	DC_	103	RLZ<EW10D>		To ->03.2001		250-24841	250-24527
2.2 HDi	RC_	125	4HT(DW12BTED4)		04.2006->03.2008			800-95003
3.0 V6	RD_	155	ES9A		03.2008->up	Left	250-24841	250-24841
	RD_	155	ES9A		03.2008->up	Right	250-24841	250-24841
	DC_	152	XFX<ES9J4S>		03.2001->08.2004	Left	250-24841	250-24841
	DC_	152	XFX<ES9J4S>		03.2001->08.2004	Right	250-24841	250-24841
	RC_	152	XFU<ES9A,L4>	L4 Emissions	09.2004->up	Left	250-24841	250-24841
	RC_	152	XFU<ES9A,L4>	L4 Emissions	09.2004->up	Right	250-24841	250-24410
	RC_	152	XFU<ES9A>		09.2004->up	Left	250-24841	250-24841
	RC_	152	XFU<ES9A>		09.2004->up	Right	250-24841	250-24841
C5 BREAK								
1.8 16V	DE_	85	6FZ<EW7J4>		06.2001->08.2004		250-241064	250-24921
	RE_	85	6FZ<EW7J4>		09.2004->12.2005		250-24841	250-24596
2.0 16V	DE_	100	RFN(EW10J4)		06.2001->08.2004		250-24841	250-24596
2.0 16V HPI	DE_	103	RLZ<EW10D>		06.2001->08.2004		250-24841	250-24527



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
CITROEN (cont'd)								
C5 BREAK (cont'd)								
2.2 HDi	RE_	125	4HT(DW12BTD4)		04.2006->03.2008			800-95003
3.0 V6	TD_	155	ES9A		06.2008->up	Left	250-24841	250-24841
	TD_	155	ES9A		06.2008->up	Right	250-24841	250-24841
	DE_	152	XFX<ES9J4S>		06.2001->08.2004	Left	250-24841	250-24841
	DE_	152	XFX<ES9J4S>		06.2001->08.2004	Right	250-24841	250-24841
	RE_	152	XFU<ES9A,L4>	L4 Emissions	09.2004->03.2008	Left	250-24841	250-24841
	RE_	152	XFU<ES9A,L4>	L4 Emissions	09.2004->03.2008	Right	250-24841	250-24410
	RE_	152	XFU<ES9A>		09.2004->up	Left	250-24841	250-24841
	RE_	152	XFU<ES9A>		09.2004->up	Right	250-24841	250-24841
C6								
2.2 HDi	TD_	125	4HT(DW12BTD4)		06.2006->09.2007		800-95003	800-95003
3.0 V6	TD_	155	XFV<ES9A>		12.2005->up	Left	250-24841	250-24841
	TD_	155	XFV<ES9A>		12.2005->up	Right	250-24841	250-24841
C8								
2.0	EA_, EB_	100	RFN<EW10J4>		07.2002->up		250-24665	250-24665
2.2	EA_, EB_	116	3FZ<EW12J4>		07.2002->up		250-24665	250-24665
3.0 V6	EA_, EB_	150	XFW<ES9J4S>		07.2002->up	Front	250-24841	250-24841
	EA_, EB_	150	XFW<ES9J4S>		07.2002->up	Rear	250-24665	250-24665
CX II								
25 GTi		89	M25-668		05.1986->12.1992		250-24030	
CX II BREAK								
25 i		89	M25-668		5.199		250-24030	
DS4								
2.0 HDi 165		120	RHH	On Particulate Filter	04.2011->up			250-241064
EVASION								
1.8	22, U6	73	LFW<XU7JP>		05.1997->05.2002		250-24936	
2.0	22, U6	89	RFU<XU10J2C>		07.1994->09.1998		250-24936	
2.0 16V	22, U6	97	RFU<XU10J2C>		10.1998->04.2000		250-24936	
	22, U6	97	RFV<XU10J4R>		10.1998->04.2000		250-24748	250-24410
	22, U6	100	RFN<EW10J4>		07.2000->05.2002		250-24665	250-24665
2.0 Turbo C.T.	22, U6	108	RGX(XU10J2TE)		07.1994->05.2002		250-24936	
JUMPER BOX								
2.0	230L	80	RFW<XU10J2U>	To Ch. No. 15267330	03.1994->12.1995		250-24184	
	230L	80	RFW<XU10J2U>	Fr.Ch. No. 15267331	12.1995->12.2001		250-24936	
	244	81	RFW<XU10J2U>		04.2002->up		250-24841	250-24410
2.0 4x4	230L	80	XU10J2U, W2<RFW>		07.1997->08.1998		250-24936	
	230L	80	XU10J2U, W3<RFW>		09.1998->12.2001		250-24936	
2.0 Bivalent	244	81	RFW		02.2003->up		250-24841	250-24410
3.0 HDi 160		116	F30DT		09.2006->up		250-25095	
3.0 HDi 180		130	F30DT		07.2011->up		250-25095	
JUMPER BUS								
2.0	230P	80	RFW<XU10J2U>	To Ch. No. 15267330	02.1994->12.1995		250-24184	
	230P	80	RFW<XU10J2U>	Fr.Ch. No. 15267331	12.1995->08.1998		250-24936	
	244, Z_	81	RFW<XU10J2U>		04.2002->06.2006		250-24841	250-24410
2.0 4x4	230P	80	RFW<XU10J2U>	Fr.Ch. No. 15267331	07.1997->12.2001		250-24936	
2.0 Bivalent	244, Z_	81	RFW		02.2003->06.2006		250-24841	250-24410
3.0 HDi 160		116	F30DT		09.2006->up		250-25095	
3.0 HDi 180		130	F30DT		07.2011->up		250-25095	
JUMPER FLATBED / CHASSIS								
2.0	230	80	RFW<XU10J2U>	To Ch. No. 15267330	03.1994->12.1995		250-24184	
2.0	230	80	RFW<XU10J2U>	Fr.Ch. No. 15267331	03.1994->12.2001		250-24936	
3.0 HDi 160		116	F30DT		09.2006->up		250-25095	
JUMPY								
1.6	U6U	58	160A		10.1995->up		250-24936	
2.0	U6U	100	RFN<EW10J4>		09.2000->12.2006		250-24665	250-24665
2.0 i 16V	U6U	102	1628HR		03.2000->up		250-24665	250-24665
JUMPY BOX								
1.6i	BS_, BT_	58	W2,W3<160A>		10.1995->up		250-24936	
	BY_, BZ_	58	W2,W3<160A>		10.1995->up		250-24936	
2.0i 16V	BS_, BT_	102	RFN<EW10J4>		01.2004->up		250-24665	250-24665
	BY_, BZ_	102	RFN<EW10J4>		01.2004->up		250-24665	250-24665
JUMPY FLATBED / CHASSIS								
2.0	BU_, BV_	100	RFN<EW10J4,D4>		01.2004->10.2006		250-24665	250-24665
	BW_, BX_	100	RFN<EW10J4,D4>		01.2004->10.2006		250-24665	250-24665
NEMO BOX								
1.4	AA_	54	KFV<TU3A>	L5 Emissions	02.2008->up		250-24972	250-24841



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CITROEN (cont'd)								
RELAY								
333 3.0 HDi 16V		115			07.2006->up		250-25095	
333 3.0 HDi 16V FAP		115			05.2007->up		250-25095	
335 3.0 HDi 16V		115			07.2006->up		250-25095	
335 3.0 HDi 16V FAP		115			05.2007->up		250-25095	
30 3.0 HDi 16V FAP		130			10.2011->up		250-25095	
33 3.0 HDi 16V FAP		130			10.2011->up		250-25095	
35 3.0 HDi 16V FAP		130			10.2011->up		250-25095	
35+ 3.0 HDi 16V FAP		130			10.2011->up		250-25095	
SAXO								
1.0X	S0, S1	33	CDZ<TU9M>		09.1996->11.1998		250-24536	
	S0, S1	37	CDZ<TU9M>		05.1998->08.1999		250-24536	
1.1 X, SX	S0, S1	40	HDY<TU1M>		05.1996->09.2003		250-24536	
	S0, S1	44	HDZ<TU1M>	L3 Emissions	06.1996->09.2003		250-24536	
	S0, S1	44	HDZ<TU1M>		07.1996->08.1999		250-24936	
	S0, S1	44	HFY<TU1JP>	L4 Emissions	09.2000->09.2003		250-24841	250-24841
1.4 VTS	S0, S1	55	KFW<TU3JP>	L4 Emissions	05.1998->08.2003		250-241064	250-24841
	S0, S1	55	KFX<TU3JP>	L3 Emissions	05.1996->06.2003		250-24536	
	S0, S1	55	KFX<TU3JP>		07.1996->08.1999		250-24936	
	S0, S1	55	KFX<TU3JP>		09.1998->08.1999		250-24665	250-24665
1.6 VTL, VTR	S0, S1	65	NFZ<TU5JP>	L3 Emissions, A/T	05.1996->08.1999		250-24536	
	S0, S1	65	NFZ<TU5JP>	L3 Emissions, M/T	05.1996->01.1998		250-24536	
	S0, S1	65	NFZ<TU5JP>	L3 Emissions, M/T	01.1998->08.1999		250-24665	
	S0, S1	65	NFZ<TU5JP>		07.1996->08.1999		250-24936	
1.6 VTS	S0, S1	72	NFT<TU5JP>		09.2000->09.2003		250-24841	250-24841
	S0, S1	87	NFX<TU5J4>		06.1996->10.1999		250-24178	250-24841
VISA								
14		44	150D(XY7)		07.1984->03.1991		250-24030	
XANTIA (X1)								
1.6i	X1	65	BFZ<XU5JP>	To Prod. No. 6779	08.1993->06.1995		250-24579	
	X1	65	BFZ<XU5JP>	Fr. Prod. No. 6780	06.1995->12.1997		250-24178	
1.8i	X1	66	LFY<XU7JB>		04.1997->12.1997		250-24178	
	X1	74	LFZ<XU7JP>	To Prod. No. 6779	03.1993->12.1997		250-24579	
	X1	74	LFZ<XU7JP>		03.1993->12.1997		250-24178	
1.8i 16V	X1	81	LFY<XU7JP4>		07.1995->12.1997		250-24178	
2.0i	X1	89	RFX<XU10J2C>	To Prod. No. 6779	03.1993->12.1997		250-24579	
	X1	89	RFX<XU10J2C>		03.1993->12.1997		250-24178	
2.0i 16V	X1	97	RFV<XU10J4R>		06.1995->12.1997		250-24936	
	X1	110	RFT<XU10J4>		07.1994->01.1998		250-24184	
	X1	112	RFY<XU10J4>		03.1993->06.1995		250-24184	
2.0 Turbo	X1	108	RGX<XU10J2CTEL3>		07.1995->12.1997		250-24178	
XANTIA (X2)								
3.0i 24V	X1	140	XFZ<ES9J4>		03.1997->12.1997		250-24178	
1.8i	X2	66	LFY(XU7JB)		01.1998->05.2002		250-24178	
1.8i 16V	X2	81	LFY(XU7JP4)	L3 Emissions	01.1998->05.2002		250-24178	
	X2	81	LFY(XU7JP4)	L4 Emissions	01.1998->12.2001		250-24665	250-24410
2.0i	X2	89	RFX<XU10J2C>		01.1998->05.2002		250-24178	
2.0i 16V	X2	97	RFV<XU10J4R>		01.1998->05.2002		250-24936	
2.0 Turbo	X2	108	RGX<XU10J2CTEL3>		01.1998->05.2002		250-24178	
3.0 V6	X2	140	XFZ<ES9J4>		01.1998->05.2002		250-24178	
XANTIA BREAK (X1)								
1.8i	X1	66	LFY(XU7JB)		04.1997->01.1998		250-24400	
	X1	74	LFZ<XU7JP>		06.1995->12.1997		250-24178	
	X1	74	LFZ<XU7JP>	To Prod. No. 6779	07.1995->12.1997		250-24579	
1.8i 16V	X1	81	LFY<XU7JB>		07.1996->12.1997		250-24178	
	X1	81	LFY<XU7JP4>		09.1996->12.1997		250-24178	
2.0i	X1	89	RFX<XU10J2C>	To Prod. No. 6779	07.1995->12.1997		250-24579	
	X1	89	RFX<XU10J2C>		07.1995->12.1997		250-24178	
2.0i 16V	X1	97	RFV<XU10J4R>		07.1995->12.1997		250-24936	
2.0 Turbo	X1	108	RGX(XU10J2TE)		07.1995->12.1997		250-24178	
XANTIA BREAK (X2)								
1.8i	X2	66	LFY(XU7JB)		01.1998->05.2002		250-24178	
1.8i 16V	X2	81	LFY(XU7JP4)	L3 Emissions	01.1998->05.2002		250-24178	
	X2	81	LFY(XU7JP4)	L4 Emissions	01.1998->05.2002		250-24665	250-24410
2.0i	X2	89	RFX<XU10J2C>		01.1998->04.1998		250-24178	
2.0i 16V	X2	97	RFV<XU10J4R>		01.1998->05.2002		250-24936	
2.0 Turbo	X2	108	RGX<XU10J2CTEL3>		01.1998->05.2002		250-24178	
3.0 V6	X2	140	XFZ<ES9J4>		01.1998->05.2002		250-24178	
XM (Y3)								
2.0i	Y3	79	RDZ<XU10M>		11.1989->04.1994		250-24184	
	Y3	89	RFZ<XU10J2>		01.1990->06.1994		250-24184	
2.0i Turbo	Y3	104	RGY<XU10J2TE>		09.1992->06.1994		250-24184	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
CITROEN (cont'd)								
XM (Y3) (cont'd)								
3.0 V6	Y3	123	SFZ<ZPJ,Z>	To Prod. No. 5347	06.1989->05.1991		250-24184	
	Y3	123	SFZ<ZPJ>	Fr. Prod. No. 5348	11.1989->05.1993		250-24184	
	Y3	123	UFZ<ZPJ>		05.1993->06.1994		250-24184	
3.0 V6 24V	Y3	147	SKZ<ZPJ4>		07.1993->05.1993		250-24184	
	Y3	147	UKZ<ZPJ4>		05.1993->06.1994		250-24184	
XM (Y4)								
2.0i 16V	Y4	97	RFV<XU10J4R>		07.1994->10.2000		250-24936	
2.0 Turbo	Y4	108	RGY<XU10J2TE>		07.1994->10.2000		250-24936	
3.0 V6	Y4	123	UFZ<ZPJ>		07.1994->05.1999		250-24563	
	Y4	140	XFZ<ES9J4>		07.1997->10.2000		250-24178	
3.0 V6 24V	Y4	147	UKZ<ZPJ4,Z>		07.1994->06.1997	Front	250-24133	
	Y4	147	UKZ<ZPJ4,Z>		07.1994->06.1997	Rear	250-24563	
XM BREAK (Y3)								
2.0i	Y3	89	RFZ<XU10J2>		11.1991->04.1994		250-24184	
	Y3	79	RDZ<XU10MZ>	Fr. Prod. No. 5337	11.1991->04.1994		250-24184	
2.0 Turbo	Y3	104	RGY<XU10J2TE>		09.1992->04.1994		250-24184	
3.0 V6	Y3	123	SFZ<ZPJ>	Fr. Prod. No. 5348	11.1991->06.1993		250-24184	
	Y3	123	UFZ<ZPJ>		07.1993->04.1994		250-24184	
XM BREAK (Y4)								
2.0i 16V	Y4	97	RFV<XU10J4R>	To Ch. No. 7083	07.1994->03.1996		250-24936	
	Y4	97	RFV<XU10J4R>	Fr.Ch. No. 7084	04.1996->03.2000		250-24936	
2.0 Turbo	Y4	108	RGY<XU10J2TE>		07.1994->09.1995		250-24936	
3.0 V6	Y4	123	UFZ<ZPJ>		07.1994->05.1999		250-24563	
	Y4	140	XFZ<ES9J4>		07.1997->03.2000		250-24178	
XSARA								
1.4i	N1	55	KFW<TU3JP>		09.2000->03.2005		250-241064	250-24841
	N1	55	KFX<TU3JP>	L3 Emissions	07.1997->08.2000		250-24536	
	N1	55	KFX<TU3JP>	L4 Emissions	07.1997->08.2000		250-24665	250-24748
	N1	55	KFX<TU3JP>		05.1998->08.2000		250-24936	
1.6 16V	N1	80	NFU<TU5JP4>		To->09.2000		250-24841	250-24841
1.6i	N1	65	NFZ<TU5JP>	To Prod. No. 7706	07.1997->05.1998		250-24536	
	N1	65	NFZ<TU5JP>	Fr. Prod. No. 7707	06.1998->08.2000		250-24665	
	N1	65	NFZ<TU5JP>		05.1998->08.2000		250-24936	
1.8i	N1	66	LFX<XU7JB>		07.1997->08.2000		250-24178	
1.8i 16V	N1	81	LFY<XU7JP4>		07.1997->08.2000		250-24178	
1.8i Aut.	N1	74	L6A<XU7JP>,LFZ<XU7JP		07.1997->08.2000		250-24527	
2.0 16V	N1	97	RFV<XU10J4R>		07.1998->08.2000		250-24178	
	N1	100	RFN<EW10J4>		09.2000->03.2005		250-24841	250-24410
	N1	120	RFS<XU10J4RS>		07.1997->08.2000		250-24527	
XSARA BREAK								
1.4i	N2	55	KFW<TU3JP>	L4 Emissions	09.2000->08.2005		250-241064	250-24841
	N2	55	KFX<TU3JP>	L3 Emissions	03.1998->05.1998		250-24536	
	N2	55	KFX<TU3JP>		06.1998->08.2000		250-24665	250-24748
1.6 16V	N2	80	NFU<TU5JP4>		09.2000->08.2005		250-24841	250-24841
1.6i	N2	65	NFZ<TU5JP>	To Prod. No. 7706	10.1997->12.1997		250-24536	
	N2	65	NFZ<TU5JP>	Fr. Prod. No. 7707	03.1998->05.1998		250-24665	
1.8i	N2	66	LFX<XU7JB>		03.1998->08.2000		250-24178	
1.8i 16V	N2	81	LFY<XU7JP4>		04.1998->08.2000		250-24178	
1.8i Aut.	N2	74	LFZ<XU7JP>		04.1998->08.2000		250-24527	
2.0 16V	N2	97	RFV<XU10J4R>		07.1998->08.2000		250-24178	
	N2	100	RFN<EW10J4>		09.2000->08.2005		250-24841	250-24410
XSARA COUPE								
1.4i	N0	55	KFW<TU3JP>	L4 Emissions	09.2000->08.2002		250-241064	250-24841
	N0	55	KFX<TU3JP>		05.1998->08.2000		250-24936	
	N0	55	KFX<TU3JP>	L4 Emissions	06.1998->08.2000		250-24665	250-24748
	N0	55	KFX<TU3JP>	L3 Emissions	05.1998->08.2000		250-24536	
1.6 16V	N0	80	NFU<TU5JP4>		09.2000->03.2005		250-24841	250-24841
1.6i	N0	65	NFZ<TU5JP>	To Prod. No. 7706	To->05.1998		250-24536	
	N0	65	NFZ<TU5JP>	Fr. Prod. No. 7707	02.1998->08.2000		250-24665	
1.8i	N0	66	LFX<XU7JB>		02.1998->08.2000		250-24178	
	N0	74	LFZ<XU7JP>		02.1998->09.2000		250-24527	
1.8i 16V	N0	81	LFY<XU7JP4>		05.1998->08.2000		250-24178	
2.0 16V	N0	100	RFN<EW10J4>		09.2000->03.2005		250-24841	250-24410
2.0i 16V	N0	120	RFS<XU10J4RS>		02.1998->08.2000		250-24527	
2.0i 16V	N0	120	RFS<XU10J4RS>		09.2000->03.2005		250-24748	250-24410
XSARA PICASSO								
1.6	N68	65	NFZ<TU5JP>		12.1999->up		250-24665	
	N68	70	NFV<TU5JP>		01.2002->up		250-24841	250-24665
1.6 16V	N68	80	NFU<TU5JP4>		09.2005->up		250-24665	250-24841
1.8 16V	N68	85	6FZ<EW7J4>		02.2000->up		250-241064	250-24410
2.0 16V	N68	100	RFN<EW10J4>		01.2003->up		250-24841	250-24410



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
CITROEN (cont'd)								
ZX								
1.1	N2	44	HDZ<TU1M>		05.1992->06.1995		250-24184	
	N2	44	HDZ<TU1M>		07.1996->09.1996		250-24527	
	N2	44	HDZ<TU1M>		09.1996->06.1997		250-24936	
	N2	44	HDZ<TU1M>	L3 Emissions	09.1996->06.1997		250-24536	
1.4i	N2	55	KDX<TU3M>		09.1992->08.1994		250-24184	
	N2	55	KDX<TU3M>	w/ ABS, w/ P/S	09.1994->06.1995		250-24579	
	N2	55	KDX<TU3M>	w/o ABS, w/o P/S	09.1994->06.1995		250-24184	
1.4i	N2	55	KDX<TU3M>	w/ ABS, w/ P/S	07.1995->06.1997		250-24536	
	N2	55	KDX<TU3M>	w/o ABS, w/o P/S	07.1995->06.1997		250-24527	
	N2	55	KFX<TU3JP>		07.1996->06.1997		250-24536	
1.6i	N2	65	BDY<XU5M>		03.1991->08.1993		250-24184	
	N2	65	BFZ<XU5JP>		09.1992->05.1995		250-24184	
	N2	65	BFZ<XU5JP>		05.1995->06.1997		250-24527	
1.8i	N2	74	LFZ<XU7JP>		09.1992->05.1995		250-24184	
	N2	74	LFZ<XU7JP>		05.1995->06.1997		250-24527	
1.8i 16V	N2	81	LFY<XU7JP4>		03.1997->06.1997		250-24527	
1.9	N2	96	XU9JA,K(D6E)		03.1991->08.1992		250-24184	
1.9i	N2	88	DKZ<XU9JA>	To Prod. No. 6748	03.1991->04.1995		250-24184	
2.0i	N2	89	RFZ<XU10J2C>	To Prod. No. 6748	09.1992->05.1995		250-24184	
	N2	89	RFZ<XU10J2C>	Fr. Prod. No. 6749	05.1995->06.1997		250-24527	
2.0i 16V	N2	110	RFY<XU10J4>	To Prod. No. 6748	06.1994->05.1995		250-24184	
	N2	110	RFY<XU10J4>		07.1995->06.1997		250-24527	
	N2	112	RFY<XU10J4>		07.1992->10.1994		250-24527	
	N2	112	RFY<XU10J4>	To Prod. No. 6748	10.1992->10.1994		250-24184	
	N2	120	RFS<XU10J4RS>		09.1996->06.1997		250-24527	
ZX BREAK								
1.4i	N2	55	KDX<TU3MC>	Fr. Prod. No. 6506 To 6808, w/AC	09.1994->06.1995		250-24579	
	N2	55	KDX<TU3MC>	Fr. Prod. No. 6506 To 6808, w/o AC	09.1994->06.1995		250-24184	
	N2	55	KDX<TU3MC>	Fr. Prod. No. 6809, w/AC	07.1995->09.1996		250-24536	
	N2	55	KFX<TU3MC>	Fr. Prod. No. 6809, w/AC	07.1995->09.1996		250-24536	
	N2	55	KDX<TU3MC>	Fr. Prod. No. 6809, w/o AC	07.1995->09.1996		250-24527	
1.6i	N2	65	BFZ<XU5JP>	To Prod. No. 6748	02.1994->05.1995		250-24184	
	N2	65	BFZ<XU5JP>		05.1995->10.1997		250-24527	
1.8i	N2	74	LFZ<XU7JP>	Fr. Prod. No. 6749	07.1995->10.1997		250-24527	
1.8i 16V	N2	81	LFY<XU7JP4>,LFZ<XU7JP>		03.1997->02.1998		250-24527	
DACIA								
LOGAN								
1.4		55	K7J710		09.2004->up		250-24568	250-24781
1.6		64	K7M710		09.2004->up		250-24568	250-24781
1.6 16V		77	K4M690		10.2006->up		250-24568	250-24781
LOGAN EXPRESS								
1.4		55	K7J710		03.2009->up		250-24568	250-24781
1.6		64	K7M710		03.2009->up		250-24568	250-24781
LOGAN MCV								
1.4		55	K7J710		02.2007->up		250-24568	250-24781
1.6		64	K7M710		02.2007->up		250-24568	250-24781
1.6 16V		77	K7M690		02.2007->up		250-24568	250-24781
LOGAN PICKUP								
1.6		64	K7M710		03.2008->up		250-24568	250-24781
DAEWOO								
ARANOS								
1.5		66	A15MF		07.1996->10.1997		250-21001	
1.8		70	C18LE		02.1995->11.1997		250-21001	
2.0		77	C20LE		02.1995->11.1997		250-21001	
ESPERO								
1.5 16V	KLEJ	66	A15MF		02.1995->06.1999		250-21001	
1.8	KLEJ	66	C18LE		02.1995->06.1999		250-21001	
	KLEJ	70	C18LE		02.1995->06.1999		250-21001	
2.0	KLEJ	77	C20LE		02.1995->06.1999		250-21001	
	KLEJ	81	C20LE		10.1993->09.1994		250-21001	
EVANDA								
2.0	KLAL	96	C20SED		08.2002->05.2005		250-24490	250-24490
KALOS								
1.2	KLAS	53	T4	Euro 2	04.2003->09.2005		250-24973	250-24067
	KLAS	53	T4	Euro 5	04.2003->09.2005		250-24973	250-24183
1.4	KLAS	61	ETECII	Euro 3 (D3)	09.2002->09.2005		250-24973	250-24490
1.4 16V	KLAS	69	ETECII	Euro 3 (D3)	04.2003->09.2005		250-24490	
	KLAS	69	ETECII	Euro 4 (D4)	04.2003->09.2005		250-24067	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
DAEWOO (cont'd)								
KORANDO								
3.2 4x4	KJ	156	M104.995		08.1999->07.2005		250-241065	
LACETTI								
1.4	KLAN	70	E-TECII	Euro 2	02.2004->12.2004		250-24067	250-24067
	KLAN	70	E-TECII	Euro 5	02.2004->12.2004		250-24183	250-24183
1.6	KLAN	80	A16DMD	Euro 2	02.2004->12.2004		250-24183	250-24067
	KLAN	80	A16DMS	Euro 5	02.2004->12.2004		250-24067	250-24183
LACETTI HATCHBACK								
1.8	KLAN	90	H18D	Euro 3 (D3)	02.2004->09.2005		250-24490	250-24490
LANOS								
1.4	KLAT	55	A13SMS	To Ch. No. 595888	05.1997->09.2003		250-21001	250-24012
	KLAT	55	A13SMS	Fr.Ch. No. 595889	05.1997->09.2003		250-22001	250-24012
1.5	KLAT	63	A15SMS	To Ch. No. 595888	05.1997->09.2005		250-21001	250-24012
	KLAT	63	A15SMS	Fr.Ch. No. 595889	05.1997->09.2005		250-22001	250-24012
1.6 16V	KLAT	78	A16DMS	To Ch. No. 595888	05.1997->09.2005		250-21001	250-24012
	KLAT	78	A16DMS	Fr.Ch. No. 595889	05.1997->09.2005		250-22001	250-24012
LANOS SALOON								
1.4	KLAT	55	A13SMS	To Ch. No. 595888	05.1997->09.2005		250-21001	250-24012
	KLAT	55	A13SMS	Fr.Ch. No. 595889	05.1997->09.2005		250-22001	250-24012
1.5	KLAT	63	A15SMS,Y15L	To Ch. No. 595888	05.1997->09.2005		250-21001	250-24012
	KLAT	63	A15SMS,Y15L	Fr.Ch. No. 595889	05.1997->09.2005		250-22001	250-24012
1.6 16V	KLAT	78	A16DMS	To Ch. No. 595888	05.1997->09.2005		250-21001	250-24012
	KLAT	78	A16DMS	Fr.Ch. No. 595889	05.1997->09.2005		250-22001	250-24012
LEGANZA								
2.0 16V	KLAV	98	X20SED	96 EEC	06.1997->12.2002		250-21001	
	KLAV	98	X20SED	Euro 3 (D3)	06.1997->12.2002		250-22015	250-24012
2.2 16V	KLAV	100	X22SED	To Ch. No. 289541	04.1999->12.2002		250-22001	250-24012
	KLAV	100	X22SED	Fr.Ch. No. 289542	04.1999->12.2002		250-22015	250-24012
MATIZ								
0.8	KLYA	38	F8CV	Euro 2	09.1998->up		250-24012	
	KLYA	38	F8CV	Euro 3 (D3)	09.1998->09.2005		250-22076	
1.0	KLYA	47	B10S	Euro 3 (D3)	01.2003->09.2005		250-22076	
MUSSO								
3.2 4x4	FJ	162	M104.992		01.1999->07.2005		250-241065	
NEXIA								
1.5	KLETN	44	G15MF		08.1996->08.1997		250-21001	
	KLETN	52	G15MF		08.1996->08.1997		250-21001	
	KLETN	55	G15MF		02.1995->08.1997		250-21001	
1.5 16V	KLETN	66	A15MF		02.1995->08.1997		250-21001	
NEXIA SALOON								
1.5	KLETN	44	G15MF		08.1996->08.1997		250-21001	
	KLETN	52	G15MF		02.1995->08.1997		250-21001	
	KLETN	55	G15MF		02.1995->08.1997		250-21001	
1.5 16V	KLETN	66	A15MF		02.1995->08.1997		250-21001	
NUBIRA								
1.6 16V	KLAJ	78	A16DMS	To Ch. No. 580689	09.1997->up		250-21001	
	KLAJ	78	A16DMS	Fr.Ch. No. 580670	05.1997->05.1999		250-22076	
	KLAJ	78	A16DMS	Euro 2	06.1999->06.2003		250-22076	250-24629
2.0 16V	KLAJ	98	DTEC20	To Ch. No. 642920	05.1997->up		250-21001	
	KLAJ	98	DTEC20	Fr.Ch. No. 642921	05.1997->05.1999		250-22015	
	KLAJ	98	DTEC20	Euro 3 (D3)	05.1997->05.1999		250-22015	250-24406
2.0 16V	KLAJ	98	X20S		05.1997->05.1999		250-21001	
	KLAJ	98	X20SED	Euro 3 (D3)	06.1999->06.2003		250-22015	250-24406
NUBIRA SALOON								
1.6	KLAN	80	A16DMS	Euro 2	07.2003->up		250-24067	250-24067
	KLAN	80	A16DMS	Euro 5	07.2003->up		250-24183	250-24183
1.6 16V	KLAJ	78	A16DMS		05.1997->06.2003		250-24067	250-24629
	KLAJ	78	A16DMS	To Ch. No. 580689	09.1997->up		250-21001	
	KLAJ	78	A16DMS	Fr.Ch. No. 580670	05.1997->05.1999		250-22076	
	KLAJ	78	A16DMS	Euro 2	06.1999->06.2003		250-22076	250-24629
1.8	KLAN	90	H18D		07.2003->up		250-24490	250-24490
2.0 16V	KLAJ	98	DTEC20	To Ch. No. 642920	05.1997->up		250-21001	
	KLAJ	98	DTEC20	Fr.Ch. No. 642921	05.1997->05.1999		250-22015	
	KLAJ	98	DTEC20	Euro 3 (D3)	05.1997->05.1999		250-22015	250-24406
	KLAJ	98	X20S		05.1997->05.1999		250-21001	
	KLAJ	98	X20SED		06.1999->06.2003		250-22015	250-24406
NUBIRA WAGON								
1.6	KLAN	80	A16MDS	Euro 2	10.2004->up		250-24067	250-24067
	KLAN	80	A16MDS	Euro 5	10.2004->up		250-24183	250-24183



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
DAEWOO (cont'd)								
NUBIRA WAGON (cont'd)								
1.6 16V	KLAJ	66	A16DMS		06.1999->09.2004		250-22076	250-24629
	KLAJ	78	A16DMS	To Ch. No. 580669	09.1997->up		250-21001	
	KLAJ	78	A16DMS	Fr.Ch. No. 580670	05.1997->05.1999		250-22076	
	KLAJ	78	A16DMS	Euro 2	06.1999->09.2004		250-22076	250-24629
1.8	KLAN	90	K18D		10.2004->up		250-24490	250-24490
	2.0 16V	KLAJ	98	DTEC20	To Ch. No. 642920	05.1997->up		250-21001
KLAJ		98	DTEC20	Fr. Ch. No. 642921	05.1997->05.1999		250-22015	
KLAJ		98	DTEC20,X20SED	Euro 3 (D3)	05.1997->up		250-22015	250-24406
KLAJ		98	X20S		05.1997->05.1999		250-21001	
KLAJ	98	X20SED		06.1999->09.2004		250-22015		
REZZO								
1.6	KLAU	77	A16DMS		02.2002->09.2005		250-22076	250-24629
1.8	KLAU	66	F18S2		09.2000->09.2005		250-22076	250-24629
	KLAU	74	F18S2		09.2000->09.2005		250-22076	250-24629
2.0	KLAU	89	X20SED		09.2001->09.2005		250-22015	250-24012
	KLAU	94	X20SED		09.2000->09.2005		250-22015	250-24012
DAIHATSU								
APPLAUSE I								
1.6 16V	A101, A111	77	HD-E		06.1989->07.1997		250-21000	
1.6 16V 4WD	A101, A111	77	HD-E		06.1989->07.1997		250-21000	
APPLAUSE II								
1.6 16V		73	HDE		07.1997->up		250-21000	
CHARADE III								
1.0	G_	40	CB90		11.1990->12.1992		250-21056	
	G_	41	CB90		04.1989->12.1992		250-21056	
1.3	G_	66	HCE		06.1988->12.1992		250-21000	
1.3 4WD	G_	66	HCE		06.1988->01.1993		250-21000	
CHARADE III SALOON								
1.3	G102	66	HCE		11.1990->01.1993		250-21000	
CHARADE IV								
1.3	G200, G202	44	HC		09.1996->11.1999		250-21000	
1.3 16V	G200, G202	55	HC		09.1996->11.1999		250-21000	
	G200, G202	62	HC		09.1996->11.1999		250-21000	
CHARADE IV SALOON								
1.5 16V	G203	66	HEE		08.1994->09.2000		250-21000	
COPEN								
0.7		50	JB		09.2003->02.2006		250-24487	250-241033
1.3		64	K3-VE		03.2006->up			250-24344
CUORE II								
0.8	L80, L81	32	ED10		09.1985->06.1990		250-21000	
0.8 4WD	L80, L81	32	ED10		09.1986->10.1988		250-21000	
CUORE III								
0.7	L201	30	ED-10		08.1992->08.1994		250-21072	
	L201	30	EF-EL		08.1992->up		250-21073	
0.8	L201	30	ED10K		10.1990->8.1992		250-21072	
	L201	30	ED10K		08.1992->08.1994		250-21073	
CUORE IV								
0.8	L501	32	ED20		01.1995->11.1996		250-21000	
CUORE V								
0.8	L5	31	ED		11.1996->10.1998		250-21000	
CUORE VI								
1.0i	L7_	41	EJDE		10.1998->05.2003		250-21074	250-241033
	L7_	41	EJVE		07.2000->03.2003		250-24360	
CUORE VII								
1.0	L251	43	EJVE		05.2003->up		250-24487	250-241033
FEROZA HARD TOP								
1.6i 16V	F300	70	HD-E		10.1988->12.1995		250-21000	
	F300	70	HD-E	Finland, Germany, Netherlands,	01.1996->12.1997		250-21056	
	F300	70	HD-E	Sweden, Switzerland	01.1996->12.1997		250-21056	
FEROZA SOFT TOP								
1.6 i 16V	F300	70	HD-E		10.1988->12.1995		250-21000	
	F300	70	HD-E	Finland, Germany, Netherlands,	01.1996->12.1997		250-21056	
	F300	70	HD-E	Sweden, Switzerland	01.1996->12.1997		250-21056	
GRAN MOVE								
1.5 16V	G3	66	HEE		10.1996->07.1998		250-21000	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
DAIHATSU (cont'd)								
GRAN MOVE (cont'd)								
1.6 16V	G3	67	HDEP		06.1998->09.2000		250-21000	
	G3	67	HDEP		09.2000->up		250-24305	250-24305
MOVE								
0.8	L6, L9	31	ED		10.1996->09.1999		250-21000	
1.0i	L6, L9	41	EJDE		10.1998->06.2000		250-21041	
	L6, L9	41	EJVE		07.2000->09.2002		250-24360	250-241033
SIRION								
1.0i	M1	41	EJDE		04.1998->09.2000		250-21041	
	M1	43	EJ-VE		09.2000->01.2005		250-24360	250-241033
1.0i 4WD	M1	41	EJDE		04.1999->09.2000		250-21041	
	M1	43	EJ-VE		09.2000->01.2005		250-24360	250-241033
1.3 4WD	M3_	64	K3-VE		04.2005->up		250-24360	250-24360
1.3 Sport	M1	75	K3-VE2		08.2000->01.2005		250-24344	250-24360
1.3 Sport 4WD	M1	75	K3-VE2		08.2000->01.2005		250-24344	250-24360
1.3i	M3_	64	K3-VE		02.2005->up		250-24360	250-24360
	M1	75	K3-VE/102e2		05.2000->01.2005		250-24344	250-24360
1.3i 16V	M1	75	K3-VE/102e2		05.2000->01.2005		250-24344	250-24360
TERIOS								
1.3	J1	63	K3-VE		09.2001->10.2005		250-24344	250-24360
1.3 4WD	J1	61	HC		10.1997->10.2000		250-21044	
	J1	63	K3-VE		10.2000->10.2005		250-24344	250-24360
1.3 DVVT 4x4	J2_	63	K3-VE		05.2006->up		250-24487	250-24360
1.5	J2_	77	3SZ-VE		05.2006->up		250-24487	250-24360
1.5 4WD	J2_	77	3SZ-VE		05.2006->up		250-24487	250-24360
1.3	J2_	64	K3-VE		05.2006->up		250-24487	250-24360
1.3i	J1	64	K3-VE		05.2000->04.2006		250-24360	250-24360
1.3i 16V	J1	64	K3-VE		05.2000->04.2006		250-24360	250-24360
1.5	J2_	77	3SZ-VE		05.2006->up		250-24487	250-24360
TREVIS								
1.0		43	EJ-VE		09.2006->up		250-24487	250-241033
YRV								
1.0	M2	43	EJ-VE		02.2001->up		250-24360	250-241033
1.3	M2	64	K3-VE		02.2001->12.2001		250-24360	250-24344
	M2	64	K3-VE		02.2001->12.2001		250-24487	250-24360
1.3 4WD	M2	64	K3-VE		02.2001->12.2001		250-24487	250-24344
1.3 GTi	M2	95	K3-VET		07.2002->up		250-24487	250-24360
1.3i	M2	64	K3-VE		08.2000->12.2001		250-24360	250-24360
	M2	95	K3-VT		07.2002->up		250-24487	250-24344
1.3i 16V	M2	64	K3-VE		08.2000->12.2001		250-24360	250-24360
DAIMLER								
DOUBLE SIX								
2.8 - 5.3		194	7P		10.1986->12.1992		250-23048	
SIX								
4.0	X300	177	9JPFRB		09.1994->10.1998		250-23048	
DELOREAN								
DMC-12								
2.9		97			01.1981->10.1982		250-21000	
DODGE								
CARAVAN II								
2.0i		98			01.95->03.2001		250-23151	250-23063
NEON								
2.0 16v		98	ECB	Round Plug	06.94->08.99		250-24007	
		98	ECB	Square Plug	01.95->12.96		250-24004	
NEON II								
2.0 16V		98	ECB		08.00->12.03		250-24942	
STRATUS								
2.5 V6		125	EEB		12.95->12.00		250-23032	
FERRARI								
348 TB								
3.4		221	F119F000		02.1990->10.1993		250-24820	
		235	F119D040		10.1993->04.1994		250-24820	
360 MODENA								
360 F1	F131	294	F131B40		03.1999->12.2004		250-25005	250-24748



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FERRARI (cont'd)								
360 MODENA SPIDER								
3.6	F131	294	F131B40		06.2000->up		250-25005	250-24748
456 GT								
5.5		325	F116B00		01.1993->03.1996		250-24144	
5 MARANELLO								
550		357	F133		10.1996->up		250-24144	250-24598
512 TR								
5.0		315	F113D00,40		01.1992->10.1994		250-24820	
F355 BERLINETTA								
3.5		280	F129B,40		05.1994->10.1995		250-24144	
F355 GTS								
3.5 Spider		280	F129B,40		07.1994->10.1995		250-24144	
MONDIAL								
3.2 Quattrovalvole		199	F105C..		01.1986->12.1987		250-23028	
MONDIAL CABRIOLET								
3.2 Quattrovalvole		199	F105C..		01.1986->12.1987		250-23028	
TESTAROSSA								
5.0		272	F113B..		08.1986->10.1991		250-23048	
FIAT								
500								
1.2		51	169A4.000		10.2007->up		250-241003	250-241003
1.3		55	169A1.000		07.2007->up		250-25017	
1.4		74	169A3		10.2007->up		250-24564	250-24695
1.4 Abarth		99	312A1.000		08.2008->up		250-24564	250-24695
1.4i		74	169A3.000		07.2007->up		250-24564	250-24695
ALBEA								
Albea 1.6i 16V		76			04.2002->up		250-241013	
BARCETTA								
1.8 16V	183	96	183A1.000		05.1995->05.1998		250-24068	
	183	96	183A1.000		05.1998->09.2000		250-24190	
	183	96	188A6.000		09.2000->up		250-241013	250-241013
BRAVA								
1.2 16V 80	182	59	188A5.000		10.2000->10.2001		250-24564	250-24695
	182	60	182B2.000		12.1998->10.2000		250-24564	
1.4	182	55	182A5.000	Fr. Ch. No. 4029960	10.1995->09.1998		250-24553	
1.4 12 V	182	59	182A3.000	Fr. Ch. No. 4029960	10.1995->09.1998		250-24553	
1.6 16V	182	66	182A6.000		10.1995->09.1998		250-24818	
	182	76	182A4.000		10.1996->04.1998		250-24818	
	182	76	182A4.000		04.1998->10.2001		250-24531	
	182	76	182A4.027		10.1998->10.2001		250-24588	
1.8 GT 16V	182	83	182A2.000		07.1999->10.2001		250-24190	
	182	83	182A2.000		10.1996->09.1998		250-24818	
	182	83	182A2.000	To Ch. No. 4873621	10.1998->07.1999		250-24818	
1.4i	182	59	182A3.000		10.1996->09.1998		250-24553	
	182	59	182A3.000	Fr. Ch. No. 4029960	10.1995->09.1998		250-24553	
1.4i 12V	182	55	182A5.000	Fr. Ch. No. 4029960	10.1995->09.1998		250-24553	
1.6i	182	76	182A4.000		04.1998->09.1998		250-24531	
1.6i 16V	182	76	182A4.000		04.1998->09.1998		250-24531	
	182	76	182A4.000		10.1998->up		250-24531	
	182	76	182A4.027		10.1998->up		250-24588	
BRAVO								
1.2 16V 80	182	59	188A5.000		10.2000->10.2001		250-24564	250-24695
	182	60	182B2.000		12.1998->10.2000		250-24564	
1.4		66	192B2		04.2007->up		250-24564	250-24564
1.4 T-Jet		88	198A4.000		09.2007->up		250-24564	250-24695
		110	198A1		09.2007->up		250-24564	250-24695
1.6 16V	182	66	182A6.000		10.1995->09.1998		250-24818	
	182	76	182A4.000		10.1996->04.1998		250-24818	
	182	76	182A4.000		04.1998->10.2001		250-24531	
	182	76	182B6.000		10.1998->10.2001		250-24531	250-24524
1.6 D Multijet	198	77	198A3.000		03.2008->up		800-95003	800-95003
	198	88	198A2.000		03.2008->up		800-95003	800-95003
1.8 GT	182	83	182A2.000		10.1995->09.1998		250-24818	
	182	83	182A2.000	To Ch. No. 4873621	10.1998->07.1999		250-24818	
	182	83	182A2.000	Fr. Ch. No. 4873621	07.1999->10.2001		250-24190	
1.9 D Multijet	198	66	192B5.000		04.2007->12.2008			800-95003
	198	88	192A8.000		04.2007->up			800-95003
	198	110	937A5.000		04.2007->up			800-95003



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
FIAT (cont'd)								
BRAVO (cont'd)								
2.0 HGT 20V	182	108	182A1.000		10.1995->07.1998		250-24119	
	182	113	182A1.000		07.1998->09.1998		250-24119	
	182	113	182B7.000		10.1998->10.2001		250-24695	
BRAVO I								
1.4	182	55	182A5.000		10.1995->09.1998		250-24553	
	182	59	182A3.000	Fr.Ch. No. 4029960	10.1995->09.1998		250-24553	
1.4i	182	59	182A3.000		02.1996->09.1998		250-24553	
1.4i 12V	182	55	182A5.000	Fr.Ch. No. 4029960	10.1995->09.1998		250-24553	
	182	59	182A3.000	Fr.Ch. No. 4029960	10.1995->09.1998		250-24553	
1.6i	182	76	182A4.000		04.1998->09.1998		250-24531	
1.6i 16V	182	76	182B6.000(103)		10.1998->up		250-24531	250-24524
	182	76	182A4.000		04.1998->09.1998		250-24531	
	182	76	182A4.000		10.1998->03.2002		250-24531	
	182	76	182B6.000(103)		10.1998->03.2002		250-24531	250-24524
BRAVO II								
1.4 16V	198	103	198A7		03.2008->up			250-241003
1.4 T-Jet	198	88	198A4	Fr.Con. 01.2010	09.2007->up			250-241060
CINQUECENTO								
0.7 i	170	22	170A.046		07.1994->01.1998		250-21039	
0.9 i.e.	170	30	170A1.046	To Eng. No. 9147275	01.1992->12.1993		250-24820	
	170	30	170A1.046	Fr. Eng. No. 9147276	07.1991->12.1993		250-24119	
0.9 i.e. S	170	29	1170A1.046	To Eng. No. 9147275	07.1993->07.1999		250-24820	
	170	29	1170A1.046	Fr. Eng. No. 9147276	07.1991->07.1999		250-24119	
1.1 Sporting	170	40	176B2.000		10.1994->01.1998		250-24190	
COUPE								
1.8 16V	FA/175	96	183A1.000	To Eng. No. 1070426	03.1996->05.1998		250-24818	
	FA/175	96	183A1.000		07.1996->09.1996		250-24818	
	FA/175	96	183A1.000	Fr. Eng. No. 1070426	05.1998->08.2000		250-24524	
2.0 16V	FA/175	102	836A3.011		04.1994->08.1996		250-24119	
	FA/175	102	836A3.000		11.1993->05.1995		250-23048	
	FA/175	102	836A3.000		05.1995->08.1996		250-23106	
2.0 16V Turbo	FA/175	140	175A1.000		11.1993->08.1996		250-23048	
2.0 20V	FA/175	108	182A1.000		08.1996->04.1998		250-24119	
	FA/175	113	182B3.000		07.1998->08.2000		250-24695	
2.0 20V Turbo	FA/175	162	175A3.000		08.1996->08.2000		250-24119	
1.8i 16V	FA/175	96	183A1.000	Fr. Eng. No. 1070426	05.1998->08.2000		250-24524	
2.0i 16V	FA/175	104	836A3.011		04.1994->09.1996		250-24119	
2.0i Turbo	FA/175	162	175A3.000		07.1996->up		250-24119	
CROMA								
1.8 16V	194	103	939A4.000		12.2005->up		250-24984	
1.9 D Multijet	194	88	939A1.000		06.2005->up			800-95003
	194	110	939A2.000		06.2005->up			800-95003
2000 16V	154	101	154E1.000	To Ch. No. 0014972	11.1992->02.1995		250-24820	
	154	101	154E1.000	Fr.Ch. No. 0014972	02.1995->08.1996		250-24119	
2000 i.e.	154	83	834B.048		03.1986->09.1990		250-23048	
	154	85	154C3.046		01.1991->12.1992		250-23154	
	154	85	834B.146		11.1992->08.1996		250-23154	
	154	111	834C.146		11.1986->11.1988		250-23048	
2000 i.e. Turbo	154	110	154C4.046		01.1991->08.1996		250-23154	
	154	114	154A2.000		12.1985->06.1990		250-23028	
	2.2 16V	194	108		06.2005->up		250-24273	250-241032
2500 V6	154	119	834G.000	To Ch. No. 0014972	06.1993->02.1995		250-24132	
	154	119	834G.000	Fr.Ch. No. 0014972	02.1995->08.1996		250-24530	
DOBLO								
1.2	119	48	223A5.000		03.2001->12.2003		250-24564	250-24705
	119	48	223A5.000		01.2004->12.2005		250-24564	250-24564
1.4	119	57	350A1.000		01.2006->up		250-24564	250-24564
1.6 16V	119	76	182B6.000		03.2001->12.2005		250-24564	250-24705
	119	76	182B6.000		01.2004->12.2005		250-24564	250-24564
1.6 Natural Power	119	76	182B6.000		01.2004->up		250-241013	250-241013
1.9 JTD	119	74	223B2.000		01.2006->up			800-95003
	119	77	223B1.000		01.2006->up			800-95003
DOBLO CARGO								
1.2	223	48	223A5.000		03.2001->12.2003		250-24564	250-24705
	223	48	223A5.000		01.2004->12.2005		250-24564	250-24564
1.4	223	57	350A1.000		01.2006->up		250-24564	250-24564
1.6 16V	223	76	182B6.000		10.2001->12.2003		250-24564	250-24705
1.6 Natural Power	223	76	182B6.000		01.2004->up		250-241013	250-241013
1.9 JTD	119	74	223B2.000		01.2006->up			800-95003
	119	77	223B1.000		01.2006->up			800-95003



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FIAT (cont'd)								
DUCATO BOX								
2.0	230L	80	RFW	To Ch. No. 5267331	03.1994->04.2002		250-24184	
	230L	80	RFW	Fr.Ch. No. 5267331	03.1994->12.2001		250-24936	
2.0	244	81	RFL		04.2002->06.2006		250-24841	250-24410
	280	62	170D		03.1989->06.1990		250-23047	
2.0 4x4	244	81	RFL		05.2002->07.2006		250-24841	250-24410
2.0 Bipower	244	81	RFL		11.2002->06.2006		250-24841	250-24410
120 Multijet 2,3 D	250	88	F1AE0481D		07.2006->up			800-95003
160 Multijet Power 3,0 D	250	116	F1CE0481D		07.2006->up			800-95003
2.0	244	81	RFL		01.2002->06.2006		250-24748	
2.0GPL	244	81	RFL(GPL)		01.2002->06.2006		250-24748	
2.0i	244	81	RFL		01.2002->06.2006		250-24748	
2.0 4x4	230L	80	RFW	To Ch. No. 5267331	06.1998->04.2002		250-24184	
	230L	80	RFW	Fr. Ch. No. 5267331	06.1998->12.2001		250-24936	
DUCATO BUS								
120 Multijet 2,3 D	250	88	F1AE0481D		07.2006->up			800-95003
160 Multijet Power 3,0 D	250	116	F1CE0481D		07.2006->up			800-95003
2.0	244, Z_	81	RFL		04.2002->06.2006		250-24841	250-24410
2.0 4x4	230	80	RFW	To Ch. No. 5267331	11.1994->11.2001		250-24184	
	230	80	RFW	Fr. Ch. No. 5267331	11.1994->11.2001		250-24936	
	244, Z_	81	RFL		05.2002->06.2006		250-24409	250-24410
2.0 Bipower	244, Z_	81	RFL		11.2002->06.2006		250-24841	250-24410
2.0 Panorama/Combi	230	80	RFW<XU10J2UW2>	To Ch. No. 5267331	03.1994->04.2002		250-24184	
	230	80	RFW<XU10J2UW2>	Fr. Ch. No. 5267331	03.1994->12.2001		250-24936	
2.0	244, Z_	81	RFL(GPL)		01.2002->06.2006		250-24748	
2.0GPL	244, Z_	81	RFL(GPL)		01.2002->06.2006		250-24748	
2.0i	244, Z_	81	RFL		01.2002->06.2006		250-24748	
DUCATO FLATBED/CHASSIS								
2.0	230	80	RFW	To Ch. No. 5267331	06.1998->04.2002		250-24184	
	230	80	RFW	Fr. Ch. No. 5267331	06.1998->12.2001		250-24936	
	280	62	170D		08.1988->03.1994		250-23047	
2.0 4x4	290	63	170D-UB		06.1990->05.1994		250-23047	
120 Multijet 2,3 D	250	88	F1AE0481D		07.2006->up		800-95003	
160 Multijet Power	250	116	F1CE0481D		07.2006->up		800-95003	
DUCATO PANORAMA								
2.0	280	62	170D		09.1988->06.1990		250-23047	
	290	62	170B		07.1990->01.1994		250-23047	
	290	63	170D		06.1990->05.1994		250-23047	
FIORINO								
1.5	147	55	149C1.000		07.1990->06.1993		250-23048	
FIORINO BOX								
70 i.e. 1.4	146 Uno	49	146D5.000	To Ch. No. 60812717	07.1994->09.2000		250-24119	
	146 Uno	49	146C5.000		05.1994->09.2000		250-23048	
75 i.e. 1.5	146 Uno	55	149C1.000		07.1990->06.1993		250-23048	
75 i.e. 1.6	146 Uno	55	146C6.000	To Ch. No. 60812717	10.1993->09.2000		250-24119	
	146 Uno	55	146D6.000		10.1993->09.2000		250-23048	
1.3	225	55	199A2.000(75)		12.2007->up		250-25017	
FIORINO PICKUP								
1.4	146	49	146C5.000	To Ch. No. 60812717	07.1994->09.2000		250-24119	
	146	49	146D5.000		05.1994->09.2000		250-23048	
1.5 iE	146	55	149C1.000		07.1990->10.1992		250-23048	
1.6	146	55	146C6.000	To Ch. No. 60812717	01.1994->09.2000		250-24119	
	146	55	146D6.000		01.1994->09.2000		250-23048	
GRANDE PUNTO								
1.2	199	48	199A4.000		10.2005->up		250-24564	250-24564
1.4	199	57	350A1.000		10.2005->up		250-24564	250-24564
1.4 16V	199	70	199A6.000		10.2005->up		250-24564	250-24564
1.4 Abarth	199	114	199A8.000		12.2007->up		250-24564	250-24564
1.4 T-Jet	199	88	198A4.000		09.2007->up		250-24564	250-24564
1.3 D Multijet	199	55	199A2.000		10.2005->up			800-95020
	199	66	199A3.000		10.2005->up			800-95020
1.9 D Multijet	199	88	939A1.000		10.2005->up			800-95003
	199	96	199A5.000		10.2005->up			800-95003
IDEA								
1.2 16V		59	188A5.000		02.2004->up		250-24564	250-24564
1.3 D Multijet		66	199A3.000		10.2005->up			800-95021
1.4		57	350A1.000		10.2005->up		250-24564	250-24564
		66	192B2.000		06.2007->up		250-24564	250-24564
1.4 16V		70	192B2.000,843A1.000		01.2004->up		250-24564	250-24564
1.9 JTD		74	188B2.000		01.2004->up			800-95003



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FIAT (cont'd)								
LINEA								
1.4		57	350A1.000		07.2007->up		250-24564	250-24564
1.4 T-Jet		88	198A4.000		09.2007->up		250-24564	250-24695
1.3	323	66	199A3.000		07.2007->up		250-25017	
MAREA								
1.2 16V	185	60	182B2.000		02.1999->up		250-24564	
1.4 80 12V	185	59	182A3.000		09.1996->01.1999		250-24553	
1.6	185	76	182B6.000		09.2000->08.2002		250-24531	250-24524
1.6 100 16V	185	76	182A4.000		02.1999->up		250-24531	
	185	76	182A4.000	Fr.Ch. No. 0176690, 5054799	09.1996->01.1999		250-24531	
	185	76	182A4.000	To Ch. No. 0176690, 5054799	09.1996->up		250-24818	
1.6 100 16V Bipower	185	76	186A4.000,185A3.000		04.1999->11.1999		250-24818	
	185	76	186A4.000,185A3.000		11.1999->up		250-24531	
1.6 SX	185	72	182B5.098		09.2000->08.2002		250-24588	
1.8 115 16V	185	83	182A2.000	Fr.Ch. No. 0270957, 2018321	09.1996->up		250-24190	
	185	83	182A2.000		09.1996->01.1999		250-24818	
	185	83	182A2.000	To Ch. No. 0270957, 2018321	02.1999->up		250-24818	
2.0 150 20V	185	108	182A1.000		09.1996->01.1999		250-24119	
	185	110	185A8.000		01.2001->up		250-24564	250-24564
	185	113	182B7.000		04.1999->01.2001		250-24695	
1.4i 12V	185	59	182A3.000		07.1996->01.1999		250-24553	
1.6i	185	76	185A3.000		11.1999->up		250-24531	
1.6i 16V	185	76	182A4.000		02.1999->up		250-24531	
	185	76	182B6.000(103)		02.1999->up		250-24531	250-24524
	185	77	182B5.098		02.1999->up		250-24588	
MAREA WEEKEND								
1.2 16V	185	60	182B2.000		02.1999->up		250-24564	
1.4 80 12V	185	59	182A3.000		09.1996->01.1999		250-24553	
1.6	185	76	182B6.000		09.2000->08.2002		250-24531	250-24524
1.6 100 16V	185	76	182A4.000		02.1999->up		250-24531	
	185	76	182A4.000	Fr.Ch. No. 0176690, 5054799	09.1996->01.1999		250-24531	
	185	76	182A4.000	To Ch. No. 0176690, 5054799	09.1996->up		250-24818	
1.8 115 16V	185	83	182A2.000	Fr.Ch. No. 0270957, 2018321	09.1996->up		250-24190	
	185	83	182A2.000		09.1996->01.1999		250-24818	
	185	83	182A2.000	To Ch. No. 0270957, 2018321	02.1999->up		250-24818	
2.0 150 20V	185	108	182A1.000		09.1996->01.1999		250-24119	
	185	110	185A8.000		01.2001->up		250-24564	250-24564
	185	113	182B7.000		04.1999->01.2001		250-24695	
2.0 155 20V	185	113	182B7.000		04.1999->01.2001		250-24695	
1.4i 12V	185	59	182A3.000		07.1996->01.1999		250-24553	
1.6i 16V	185	76	182A4.000		02.1999->up		250-24531	
	185	76	182B6.000(103)		02.1999->up		250-24531	250-24524
MULTIPLA								
1.6 100 16V	186	76	182A4.000		04.1999->up		250-24524	
1.6 16V Bipower	186	76	186A4.000		04.1999->up		250-24524	
	186	76	182B6.000		10.2001->up		250-24531	250-24524
1.6 16V Blupower	186	70	186A3.000		04.1999->up		250-24524	
1.6i	186	76	182B6.000(103)		08.2000->up		250-24531	250-24524
	186	76	186A4.000		11.1998->06.2003		250-24524	
	186	70	186A3.000		11.1998->06.2003		250-24524	
1.6i 16V	186	76	182A4.000		11.1998->06.2004		250-24524	
	186	76	182B6.000(103)		11.1998->06.2004		250-24531	250-24524
	186	76	182B6.000(103)		07.2004->up		250-24531	250-24524
PALIO								
1.2	178BX	44	188A4.000		07.1997->08.2002		250-24564	250-24564
	178BX	50	178B7.045		06.1999->02.2001		250-241017	
	178BX	54	178C4.066		03.2001->09.2002		250-241019	
	178BX	59	188A5.000		09.2001->up		250-24564	250-24564
1.4	178BX	51	178B2.000		06.1999->02.2001		250-24531	
1.4 CAT	178BX	51	178B2.016		06.1999->02.2001		250-24119	
1.6 16V	178BX	74	178B3.000		06.1999->10.1999		250-24119	
	178BX	74	178B3.000		10.1999->02.2001		250-24531	
1.6i 16V		76	182B6.000(103)		03.2001->up		250-241013	250-24524
		76	178E7.000		03.2001->up		250-24524	250-24524
	178BX	74	178B3.000		04.1996->up		250-241017	
PALIO WEEKEND								
1.2	178DX	44	188A4.000		03.2001->up		250-24564	250-24564
	178DX	59	188A5.000		09.2001->up		250-24564	250-24564
	178DX	54	178B5.000		09.1997->2.2001		250-24721	
1.6 16V	178DX	74	178B3.000		09.1997->2.2001		250-241017	
	178DX	76	182B6.000(103)		09.1997->02.2001		250-24531	250-24531
	178DX	76	182B6.000		03.2001->up		250-24531	250-24524
1.6i		76	178C7.098		06.1999->02.2001		250-24588	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
FIAT (cont'd)								
PALIO WEEKEND (cont'd)								
1.6i 16V	178DX	76	182B6.000(103)		09.1997->02.2001		250-24531	250-24531
		76	182B6.000(103)		03.2001->up		250-241013	250-24524
	178DX	74	178B3.000		09.1997->02.2001		250-24524	
PANDA								
1.1	169	40	187A1.000		09.2003->up		250-241022	
1.2	169	44	188A4.000		09.2003->up		250-241022	250-24564
1.2 4x4	169	44	188A4.000		10.2004->up		250-241022	250-24564
1.4	169	74	169A3.000		10.2006->up		250-24564	250-24564
1000	141A_	32	156A2.246		03.1986->02.1991		250-23048	
	141A_	37	156A2.246		03.1986->02.1991		250-23048	
1000 4x4	141A_	32	156A2.246		03.1986->07.1989		250-23048	
	141A_	33	156A2.246		05.1986->02.1991		250-23048	
	141A_	33	156A2.246	Bosch F.I.	01.1993->12.1994		250-23048	
	141A_	33	156A2.246	Weber F.I.	01.1993->12.1994		250-24820	
1000 i.e. CAT	141A_	33	141C2.000		01.1993->08.1998		250-24119	
	141A_	33	156A2.246	Bosch F.I.	10.1987->08.1998		250-23048	
	141A_	33	156A2.246	Weber F.I.	01.1993->08.1998		250-24820	
1100	141A_	37	156C.046		05.1991->01.1993		250-23048	
	141A_	37	156C.046	Fr. Eng. No. 4599750	01.1993->12.1999		250-24820	
	141A_	40	176B2.000		02.1995->08.2003		250-24119	
	141A_	40	187A1.000		12.2000->08.2003		250-24190	
1100 4x4	141A_	40	176B2.000		07.1995->08.2003		250-24119	
1100 Trekking 4x4	141A_	37	156C.046	To Eng. No. 4599749	10.1991->01.1993		250-23048	
	141A_	37	156C.046	Fr. Eng. No. 4599750	01.1993->08.2003		250-24820	
	141A_	37	176B2000		07.1992->08.2003		250-24119	
900	141A_	29	1170A1.046	To Eng. No. 9117331	04.1992->12.1996		250-24820	
	141A_	29	1170A1.046	Fr. Eng. No. 9117331	04.1992->12.1996		250-24119	
	141A_	29	1170A1.046F		04.1992->08.2003		250-24119	
1000 i.e.	141A_	33	141C2.000		01.1993->08.2003		250-24119	
	141A_	40	176B2.000		07.1992->08.2003		250-24119	
PANDA VAN								
1000 i.e	141_	33	156A2.246	Bosch F.I.	01.1993->08.2003		250-23048	
	141_	33	156A2.246	Weber F.I.	01.1993->08.2003		250-24820	
1.1	141_	40	187A1		09.2000->02.2004		250-241022	
1.2	169	44	188A4		09.2004->up		250-241022	
PUNTO								
1.2 16V 80	188	59	188A5.000		09.1999->06.2003		250-24564	
	188	59	188A5.000		07.2003->up		250-24564	250-24564
1.2 60	188	44	188A4.000		09.1999->06.2003		250-24564	
1.3 D Multijet	199	55	199A2.000		10.2005->up			800-95020
	199	66	199A3.000		10.2005->up			800-95020
	199	88	939A1.000		10.2005->up			800-95003
	199	96	199A5.000		10.2005->up			800-95003
1.2 Natural Power	188	44	188A4.000		09.2003->up		250-24564	250-24564
1.4	188	70	843A1.000		09.2003->up		250-24564	250-24564
1.4 GT Turbo	176	96	176A4.000,176B6.000	To Eng. No. 9240632	09.1996->09.1999		250-24820	
	176	96	176A4.000,176B6.000	Fr. Eng. No. 9240632	09.1996->09.1999		250-24119	
	176	98	176A6.000	To Eng. No. 9240632	01.1994->09.1996		250-24820	
	176	98	176A6.000	Fr. Eng. No. 9240633	01.1994->09.1996		250-24119	
1.8 130 HGT	188	96	183A1.000		09.1999->06.2003		250-24531	
	188	96	188A6.000		09.1999->up		250-24119	
55 1.1	176	40	176A6.000	To Eng. No. 5795654	09.1993->09.1999		250-24820	
	176	40	176A6.000	Fr. Eng. No. 5795654	09.1993->04.1997		250-24119	
	176	40	176B2.000	To Eng. No. 5795654	10.1994->09.1999		250-24820	
	176	40	176B2.000	Fr. Eng. No. 5795654	09.1993->09.1999		250-24119	
60 1.2	176	43	176A7.000	To Eng. No. 5795654	01.1994->09.1999		250-24820	
	176	43	176A7.000	Fr. Eng. No. 5795655	01.1994->04.1997		250-24119	
	176	44	176A7.000	To Eng. No. 5795654	03.1994->09.1999		250-24820	
	176	44	176A7.000	Fr. Eng. No. 5795654	03.1994->04.1997		250-24119	
	176	44	176B1.000	To Eng. No. 5795654	05.1994->09.1999		250-24820	
	176	44	176B1.000	Fr. Eng. No. 5795654	03.1994->04.1997		250-24119	
	176	44	176B4.000	To Eng. No. 5795654	06.1995->09.1999		250-24820	
	176	44	176B4.000	Fr. Eng. No. 5795654	03.1994->09.1999		250-24119	
75 1.2	176	54	176A8.000		10.1993->01.1998		250-24119	
	176	54	176A8.000		01.1998->09.1999		250-24524	
	176	54	176A8.000	To Eng. No. 5795654	10.1993->09.1999		250-24820	
85 16V 1.2	176	63	176B9.000		05.1997->09.1999		250-24190	
90 1.6	176	65	176A9.000		01.1994->04.1997		250-24000	
1.1i	176	40	176A6.000		07.1993->04.1997		250-24119	
	176	40	176B2.000		10.1994->09.1999		250-24119	
1.2i	176	44	176B1.000		05.1994->04.1997		250-24119	
	176	44	176B4.000		06.1995->09.1999		250-24119	
	176	44	176A7.000		07.1993->04.1997		250-24119	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
FIAT (cont'd)								
PUNTO (cont'd)								
1.2i	176	55	176A8.000		07.1993->01.1998		250-24119	
1.8	188	96	183A1.000		07.1999->06.2003		250-24531	
	188	96	188A6.000		07.1999->06.2003		250-241013	250-241016
1.8i 16V	188	96	188A6.000		07.2003->up		250-24524	
PUNTO CABRIOLET								
60 1.2	176C	43	176A7.000	To Eng. No. 5795654	04.1994->06.2000		250-24820	
	176C	43	176A7.000	Fr. Eng. No. 5795655	04.1994->04.1997		250-24119	
	176C	44	176B4.000		06.1995->06.2000		250-24820	
	176C	44	176B4.000		06.1995->09.1999		250-24119	
85 16V 1.2	176C	63	176B9.000		05.1997->06.2000		250-24190	
90 1.6	176C	65	176A9.000		04.1994->04.1997		250-24000	
1.2i	176C	44	176A7.000		To->04.1997		250-24119	
	176C	44	176B4.000		06.1995->09.1999		250-24119	
PUNTO EVO								
1.2	199	51	169A4		10.2009->02.2012			250-241003
1.3 D Multijet	199	55	199A2, 199A9	On Particulate Filter	10.2009->02.2012			250-241003
	199	70	199B1	On Particulate Filter	10.2009->02.2012			250-241003
1.4	199	55	199A7	Ireland	07.2009->02.2012			250-241003
	199	57	350A1	Ireland	10.2009->02.2012			250-241003
1.4 16V	199	77	955A6		10.2009->02.2012			250-241003
	199	99	955A2		10.2009->02.2012			250-241003
PUNTO / GRANDE PUNTO								
1.2	199	51	169A4		09.2010->up		250-241003	250-241003
1.3 D Multijet	199	62	199B4	On Particulate Filter	04.2010->up		250-241003	250-241003
1.4	199	57	350A1	Fr.Con. 01.2009	10.2005->up		250-241003	250-241003
1.4 LPG	199	57	350A1	Fr.Con. 10.2011	12.2008->up		250-241003	250-241003
1.4 Natural Power	199	57	350A1	Fr.Con. 10.2011	07.2008->up		250-241003	250-241003
PUNTO VAN								
1.1	176L	40	176B2.000	To Eng. No. 5795654	04.1996->02.2000		250-24820	
	176L	40	176B2.000	Fr. Eng. No. 5795654	04.1996->09.1999		250-24119	
1.1i	176L	40	176B2.000		09.1999->up		250-24119	
1.2 60	188AX	44	188A4.000		02.2000->up		250-24564	250-24564
1.3 D Multijet	199	62	199B4	On Particulate Filter	03.2012->up		250-241003	
QUBO								
1.3		55	199A2.000(75)		05.2008->up		250-25017	
REGATA								
75 i.e. 1.5	138	55	138C2.048		10.1985->04.1987		250-21011	
	138	55	149C1.000		05.1987->07.1989		250-23048	
90 i.e. 1.6	138	66	149C2.000		01.1987->07.1989		250-21011	
REGATA WEEKEND								
75 1.5 i.e. CAT		55	138C2.048		12.1986->04.1987		250-21011	
90 i.e. 1.6		66	149C2.000		01.1987->07.1989		250-21011	
RITMO I								
65 1.3	138A	48	138A1.000	To Ch. No. 70018	01.1978->09.1982		250-24192	
75 i.e. 1.5	138A	55	138C2.048		10.1985->05.1987		250-21011	
90 i.e. 1.6	138A	66	149C2.000		05.1987->12.1987		250-23048	
RITMO II								
75 1.5 CAT	138A	55	138C2.048		10.1985->10.1987		250-21011	
	138A	55	149C1.000		05.1987->12.1988		250-23048	
90 1.6 i.e.	138A	66	138AR.000		05.1987->12.1987		250-23048	
SCUDO BOX								
1.6	220L	58	220A2.000		02.1996->12.2003		250-24936	
2.0	220L	100	RFN-EW10J4>		05.2000->12.2003		250-24665	250-24665
2.0 16V	220L	100	EW10J4/L4(RFN)		01.2004->12.2006		250-24748	250-24748
2.0i 16V	220L	100	EW10J4/L4(RFN)		09.2000->12.2003		250-24748	250-24748
SCUDO COMBINATO								
1.6	220P	58	220A2.000		02.1996->12.2003		250-24936	
2.0	220P	100	EW10J4/L4(RFN)		01.2004->12.2006		250-24748	250-24748
2.0 16V	220P	100	RFN		09.2000->12.2003		250-24665	250-24665
	220P	100	EW10J4/L4(RFN)		01.2004->12.2006		250-24748	250-24748
2.0i	220P	100	EW10J4/L4(RFN)		09.2000->12.2003		250-24748	250-24748
2.0i 16V	220P	100	EW10J4/L4(RFN)		09.2000->12.2003		250-24748	250-24748
SEICENTO								
0.9	187	29	1170A1.046, 046F		09.2000->up		250-24119	
1.1	187	40	176B2.000		03.1998->08.2000		250-24553	
	187	40	187A1.000		09.2000->up		250-24190	250-24190
1.1i	187	40	176B2.000		03.1998->08.2000		250-24553	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FIAT (cont'd)								
SEICENTO VAN								
0.9	187	29	1170A1.046F		03.1998->08.2000		250-24119	
1.1	187	40	176B2.000		03.1998->08.2000		250-24553	
1.1i	187	40	176B2.000		03.1998->08.2000		250-24553	
1.1	187	40	187A1 (187AXB, 187AXB1A)		01.1998->01.2010		250-241013	250-241013
SIENA								
1.2	178_	44	178D7.055		01.2002->up		250-24564	
	178_	44	188A4.000	China manufactured	01.2002->up		250-241017	
	178_	44	188A4.000		04.2002->up		250-24564	250-24564
	178_	54	178C4.066		01.2002->up		250-241018	
	178_	59	188A5.000		01.2002->up		250-24564	250-24564
1.4	178_	51	178B2.000		11.1997->12.2001		250-24531	
1.4 CAT	178_	51	178B2.016		To->09.1998		250-24524	
	178_	51	178B2.016		09.1998->12.2001		250-24119	
1.5	178_	62	178E5.022		06.2004->up		250-24553	
1.6	178_	76	182B6.000		04.2002->up		250-241013	
	178_	76	182B6.000	India manufactured	01.2002->up		250-24695	250-24524
1.6 16V	178_	78	178B3.000		09.1998->10.1999		250-24524	
	178_	78	178B3.000		10.1999->12.2001		250-24531	
	178_	78	178D2.011		06.1999->12.2001		250-24119	
1.6i 16V	178_	74	178B3.000		11.1997->10.1999		250-24524	
	178_	74	178B3.000		10.1999->12.2001		250-24531	
	178_	76	182B6.000(103)		04.2002->up		250-24524	250-24524
STILO								
1.2 16V	192	59	188A5.000		02.2002->12.2003		250-24564	250-24564
1.4 16V	192	66	192B2.000		03.2005->up		250-24564	250-24564
	192	70	843A1.000		01.2004->up		250-24564	250-24564
1.6 16V	192	76	182B6.000		10.2001->up		250-24564	250-24695
1.8 16V	192	98	192A4.000		10.2001->up		250-241013	250-24531
1.9 D Multijet	192	88	192A8.000		09.2005->up			800-95003
	192	110	937A5.000		03.2006->up			800-95003
2.4 20V	192	125	192A2.000		10.2001->up		250-24564	250-24564
1.6i 16V	192	100	192B3.000		04.2005->11.2006		250-24735	250-24848
1.8i 16V	192	96	192A4.000		01.2004->up		250-241013	250-24531
STILO MULTI WAGON								
1.4 16V	192	66	192B2.000		03.2005->up		250-24564	250-24564
	192	70	843A1.000		01.2004->up		250-24564	250-24564
1.6 16V	192	76	182B6.000		01.2003->up		250-24564	250-24695
1.6i 16V	192	100	192B3.000		01.2004->up		250-24735	
1.8 16V	192	98	192A4.000		01.2003->up		250-24190	250-24531
1.9 D Multijet	192	88	192A8.000		09.2005->up			800-95003
	192	110	937A5.000		09.2005->up			800-95003
1.8 16V	192	96	192A4.000		01.2004->up		250-241013	250-24531
1.8i 16V	192	96	192A4.000		01.2003->12.2003		250-241013	250-24531
STRADA								
1.2	178E	44	188A4.000		04.2003->up		250-24564	250-24564
	178E	54	178B5.000		06.1999->03.2003		250-24721	
TEMPRA								
1.4 i.e.	159	51	160A1.046		03.1992->12.1994		250-23048	
	159	51	836A4.000	To Ch. No. 6073158, 7559353	01.1995->08.1996		250-24820	
	159	51	836A4.000	Fr. Ch. No. 6073158, 7559353	03.1992->08.1996		250-24119	
1.6	159	63	159A3.046,159A3.048		03.1990->02.1993		250-23048	
1.6 i.e.	159	55	159A3.046		06.1992->02.1993		250-23048	
	159	55	159A3.048		06.1992->12.1994		250-23048	
	159	55	835C1.000	To Ch. No. 6073158, 7559353	03.1993->08.1996		250-24820	
	159	55	835C1.000	Fr. Ch. No. 6073158, 7559353	06.1992->08.1996		250-24119	
	159	57	159A3.048		06.1990->07.1992		250-23048	
	159	66	159B9.000		07.1994->08.1996		250-24000	
1.8 i.e.	159	66	835C4.000		09.1993->08.1996		250-24820	
	159	74	836A5.000		01.1995->08.1996		250-24820	
	159	76	835C2.000		09.1993->08.1996		250-24820	
	159	77	159A4.046		03.1993->09.1993		250-23154	
	159	77	159A4.046	To Eng. No. 1509143	04.1993->08.1996		250-23154	
	159	77	835C2.000		03.1993->08.1996		250-24820	
	159	81	159A4.046		03.1990->02.1993		250-23154	
2.0 i.e.	159	83	159A6.046		10.1990->08.1996		250-23154	
TEMPRA S.W.								
1.4 i.e.	159	51	160A1.046		10.1992->08.1996		250-23048	
	159	57	160A1.000		03.1991->02.1993		250-23048	
1.6	159	63	159A3.046,159A3.048		12.1990->02.1993		250-23048	
1.6 i.e.	159	55	159A3.046		10.1992->02.1993		250-23048	
	159	55	159A3.048		10.1992->08.1996		250-23048	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
FIAT (cont'd)								
TEMPRA S.W. (cont'd)								
1.6 i.e.	159	55	835C1.000	Fr. Ch. No. 6073158, 7559353	10.1992->08.1996		250-24119	
	159	55	835C1.000	To Ch. No. 6073158, 7559353	03.1993->08.1996		250-24820	
	159	57	159A3.048		10.1990->08.1996		250-23048	
	159	66	159B9.000		07.1994->08.1996		250-24000	
1.8 i.e.	159	66	835C2.000,836A5.000		09.1993->08.1996		250-24820	
	159	74	836A5.000		01.1995->08.1996		250-24820	
	159	76	835C2.000		09.1993->08.1996		250-24820	
	159	77	159A4.046		03.1992->09.1993		250-23154	
	159	81	159A4.000		03.1990->09.1993		250-23154	
2.0 i.e.	159	83	159A6.046		01.1991->02.1993		250-23154	
2.0 i.e. 4x4	159	83	159A6.046		03.1992->03.1995		250-23154	
TIPO								
1.4	160	52	160A1.046		01.1998->12.1989		250-23048	
1.4 i.e.	160	57	160A1.046		05.1989->02.1993		250-23048	
	160	51	160A1.046		07.1989->12.1994		250-23048	
	160	51	836A4.000		07.1994->04.1995		250-24119	
1.6 i.e.	160	66	159A3.048		02.1988->05.1991		250-23048	
	160	55	159A3.048		03.1993->12.1994		250-23048	
	160	55	835C1.000		10.1992->04.1995		250-24119	
	160	55	835C1.000		03.1993->04.1995		250-24820	
	160	57	159A3.048		07.1990->01.1993		250-23048	
1.8 i.e.	160	71	836A5.000		03.1993->04.1995		250-24820	
	160	66	835C4.000		09.1993->04.1995		250-24820	
	160	74	836A5.000		01.1995->04.1995		250-24820	
	160	76	835C2.000		04.1993->04.1995		250-24820	
	160	77	159A4.046		10.1990->02.1993		250-23048	
1.8 i.e.16V Sport	160	100	159A4.046		11.1989->06.1992		250-23048	
2.0 16V	160	107	160A8.046		07.1991->02.1993		250-23048	
	160	107	160A8.046	RH Drive	07.1991->02.1993		250-23154	
2.0 i.e.	160	80	159A5.046,159A6.046	w/o A/C	06.1990->02.1993		250-23048	
	160	80	159A5.046,159A6.046	w/ A/C	06.1990->02.1993		250-23154	
	160	83	159A6.046	w/o A/C	03.1990->04.1995		250-23048	
	160	83	159A6.046	w/ A/C	03.1990->04.1995		250-23154	
2.0 i.e. 16V Sport	160	102	836A3.000		03.1993->12.1994		250-23048	
	160	102	836A3.000		01.1995->04.1995		250-23106	
ULYSSE								
1.8	220	73	LFW		05.1997->08.2002		250-24936	
2.0	179AX	100	RFN(EW10J4)		09.2002->up		250-24665	250-24665
	220	89	RFU		06.1994->08.2002		250-24936	
2.0 16V	220	97	RFV		10.1998->09.2000		250-24748	250-24410
	220	100	RFN<EW10J4,L4>		09.2000->08.2002		250-24665	250-24665
2.0 Turbo	220	108	RGX		06.1994->08.2002		250-24936	
3.0 V6	179AX	150	XFW		09.2002->09.2005	Left	250-24841	250-24841
	179AX	150	XFW		09.2002->09.2005	Right	250-24665	250-24665
2.0 i.e.	220	98	RFV		10.1998->08.2002		250-24748	250-24410
	220	98	RFV		10.1998->08.2002		250-24748	
	220	100	EW10J4/L4(RFN)		10.1998->08.2002		250-24748	250-24748
2.0i	179AX	100	EW10J4/L4(RFN)		09.2002->10.2005		250-24748	250-24748
2.0i 16V	179AX	100	EW10J4/L4(RFN)		09.2002->10.2005		250-24748	250-24748
3.0i	179AX	150	ES9J4S/L4(XFW)		09.2002->10.2005	Left	250-24748	250-24841
	179AX	150	ES9J4S/L4(XFW)		09.2002->10.2005	Right	250-24748	250-24748
UNO								
1.3 Turbo i.e.	146A/E	73	146A2.146		10.1987->12.1987		250-23048	
	146A/E	74	146A2.246		09.1989->03.1991		250-23048	
1.4 Turbo i.e.	146A/E	82	146A8.046		10.1989->09.1993		250-23048	
	146A/E	87	146A8.000		12.1989->09.1993		250-23048	
45 1.0	146A/E	32	156A2.246		10.1989->12.1993		250-23048	
	146A/E	37	156A2.246		10.1989->12.1993		250-23048	
45 i.e. 1.0	146A/E	33	156A2.246		10.1989->12.1993		250-23048	
50 1.1	146A/E	37	156C.046		01.1990->12.1993		250-23048	
50 i.e. 1.1	146A/E	36	156C.046		06.1992->09.1992		250-23048	
70 i.e. 1.4	146A/E	51	146C1.000		10.1989->12.1993		250-23154	
	146A/E	51	146C1.046		10.1989->12.1993		250-23048	
	146A/E	51	160A1.048		10.1989->10.1992		250-23154	
	146A/E	53	146C1.000		10.1989->12.1993		250-23154	
	146A/E	53	146C1.046		10.1989->12.1993		250-23048	
70 S 1.4	146A/E	52	146C1.000		10.1989->10.1992		250-23154	
75 i.e. 1.5	146A/E	55	149C1.000		10.1989->12.1993		250-23048	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD								
C-MAX								
1.6		74	ZETEC-S(100)		03.2007->up		250-24701	250-24793
1.8		92	DURATEC(125)		03.2007->up		250-24701	250-24976
1.8 Flexifuel		92	DURATEC(125Bioflex)		03.2007->up		250-24701	250-24976
1.8i 16V		92	1.8 DURATEC(125 Bioflex)		03.2007->up		250-24701	
		92	1.8 DURATEC(125)		03.2007->up		250-24701	
2.0		107	AODA,AODB		03.2007->up		250-24701	250-24976
2.0i		107	2.0 DURATEC HE(145-AODA/B)		03.2007->up		250-24701	
2.0i 16V		107	2.0 DURATEC HE(145-AODA/B)		03.2007->up		250-24701	
C-MAX II								
1.6 Flexifuel		88	MUDA		02.2011->up	Left		250-24976
		88	MUDA		02.2011->up	Right		250-24976
1.6 Ti		92	PNDA		12.2010->up	Left		250-24976
		92	PNDA		12.2010->up	Right		250-24976
COUGAR								
2.0 16V	EC_	96	EDBB,EDBC,EDBD,EDBA		09.1998->12.2001		250-24001	
2.5 ST 200	EC_	151	MABA		06.2000->02.2001	Left	250-24302	
	EC_	151	MABA		06.2000->02.2001	Right	250-24302	
2.5 V6 24V	EC_	125	LCBE		06.2000->02.2001	Left	250-24302	
	EC_	125	LCBE		06.2000->02.2001	Right	250-24302	
	EC_	125	LCBA		09.1998->06.2000	Left	250-24015	
	EC_	125	LCBA		09.1998->06.2000	Right	250-24015	
2.0i	EC_	96	EDB(ZH20)		09.1998->02.2001		250-24001	
2.5i	EC_	125	LCBA(MP25)		09.1998->06.2000	Left	250-24302	
	EC_	125	LCBA(MP25)		09.1998->06.2000	Right	250-24302	
	EC_	125	LCBE(MP25)		06.2000->02.2001	Left	250-24302	
	EC_	125	LCBE(MP25)		06.2000->02.2001	Right	250-24302	
2.5i V6	EC_	151	MABA		06.2000->02.2001	Left	250-24302	
	EC_	151	MABA		06.2000->02.2001	Right	250-24302	
COURIER								
1.4i		55	F4B(HL14EF1)		10.1996->10.1999		250-24001	
1.6i		70	ZL16		07.1999->up		250-24001	
COURIER BOX								
1.3	F3L, F5L	44	J6B		09.1991->12.1992		250-24015	
	F3L, F5L	44	J6B		12.1992->02.1996		250-24016	
	J5_ J3_	44	J4C		10.1996->up		250-24015	
1.4i	J5_ J3_	66	FHA		04.1996->08.1999		250-24283	
ESCORT								
1.4i	AVF	54	F6B,F6D		02.1986->07.1989		250-24197	
	AVF	54	F6B,F6D	4 Wire Sensor	08.1989->07.1990		250-24015	
	AVF	54	F6B,F6D	3 Wire Sensor	02.1986->07.1990		250-23819	
1.3	AVL	46	J6A		05.1991->12.1992		250-24015	
	AVL	46	J6A		12.1992->12.1994		250-24016	
1.4	AVL	52	F6F		09.1990->12.1992		250-24015	
	AVL	52	F6F		12.1992->12.1994		250-24016	
	AVL	54	F4B		01.1995->08.1995		250-24016	
	AVL	54	F4B		08.1995->09.2001		250-24015	
ESCORT CLASSIC								
1.6 16V	AAL, ABL	66	L1E		10.1998->07.2000		250-24016	
ESCORT CLASSIC TURNIER								
1.6 16V	ANL	66	L1K		02.1999->07.2000		250-24016	
ESCORT III								
1.6i	GAA	66	L4B		08.1985->12.1985		250-23819	
ESCORT IV								
1.4 GAF, AWF ABFT		51	FU		01.1986->08.1989		250-24197	
		51	FU	4 Wire Sensor	08.1989->09.1990		250-24015	
		51	FU	3 Wire Sensor	01.1986->09.1990		250-23819	
1.4 GAF, AWF ABFT		54	HL14FU		01.1986->08.1989		250-24197	
		54	HL14FU	4 Wire Sensor	08.1989->07.1990		250-24015	
		54	HL14FU	3 Wire Sensor	01.1986->07.1990		250-23819	
1.4 GAF, AWF ABFT		55	HL14FU		01.1986->08.1989		250-24197	
		55	HL14FU	4 Wire Sensor	08.1989->07.1990		250-24015	
		55	HL14FU	3 Wire Sensor	01.1986->07.1990		250-23819	
1.6 GAF, AWF ABFT		65	R7		07.1989->07.1990		250-23819	
1.6i GAF, AWF ABFT		66	L4B		01.1986->05.1990		250-23819	
1.6i GAF, AWF ABFT		75	LRB<HL16EFI>		08.1989->07.1990		250-23819	
1.6 XR3i GAF, AWF ABFT		77	LRB<HL16EFI>		01.1986->08.1989		250-23819	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
ESCORT IV CABRIOLET								
1.4	ALF	54	F6B,F6D		02.1987->07.1989		250-24197	
	ALF	54	F6B,F6D		08.1989->07.1990		250-24015	
	ALF	54	F6B,F6D		02.1987->07.1990		250-23819	
1.6i	ALF	66	L4B		01.1986->07.1990		250-23819	
	ALF	75	LJB		08.1989->07.1990		250-24015	
	ALF	54	F6B,F6D		02.1987->07.1990		250-23819	
1.6 XR3i	ALF	77	LRB<HL16EFI>		01.1986->07.1990		250-23819	
ESCORT IV ESTATE								
1.4	AWF, AVF	54	FU<HL14>		01.1986->08.1989		250-23819	
	AWF, AVF	54	FU<HL14>		08.1989->07.1990		250-24015	
	AWF, AVF	55	FU<HL14>		01.1986->08.1989		250-23819	
	AWF, AVF	55	FU<HL14>		08.1989->07.1990		250-24015	
	AWF, AVF	55	FU<HL14>		01.1986->08.1989		250-24197	
1.6i	AWF, AVF	66	L4B		01.1986->07.1990		250-23819	
ESCORT V								
1.3	GAL	44	J6A		05.1991->09.1992		250-24015	
1.4	GAL	52	F6F,F6G		09.1990->09.1992		250-24015	
1.6	GAL	77	LJF		09.1990->01.1992		250-24015	
1.8 16V XR3i	GAL	77	RDA		02.1992->12.1992		250-24016	
	GAL	96	ROB		02.1992->12.1992		250-24016	
RS 2000	GAL	110	N7A		05.1991->12.1992		250-24016	
ESCORT V CABRIOLET								
1.4	ALL	52	F6G		01.1992->12.1992		250-24015	
1.6	ALL	77	LJF		08.1990->09.1992		250-24015	
1.8 16V XR3i	ALL	77	RDA		02.1992->12.1992		250-24016	
ESCORT V ESTATE								
1.3	GAL, AVL	44	J6A		09.1991->09.1992		250-24015	
1.4	GAL, AVL	52	F6F		09.1990->09.1992		250-24015	
1.6	GAL, AVL	77	LJF		09.1990->09.1992		250-24015	
1.8 16V	GAL, AVL	77	RDA		02.1992->12.1992		250-24016	
ESCORT VI								
1.3	GAL	44	J6A		09.1992->12.1992		250-24015	
	GAL	44	J6A		12.1992->12.1994		250-24016	
1.4	GAL	52	F6F,F6G		09.1992->12.1992		250-24015	
	GAL	52	F6F,F6G		12.1992->12.1994		250-24016	
	GAL	55	FUH		01.1994->12.1994		250-24016	
	GAL	65	L1H		01.1994->12.1994		250-24016	
1.6i 16V	GAL	65	L1H		01.1994->12.1994		250-24016	
	GAL	66	L1E		09.1992->12.1994		250-24016	
1.8 16V XR3i	GAL	96	ROB		09.1992->12.1994		250-24016	
1.8i 16V	GAL	77	RDA		09.1992->12.1994		250-24016	
1.8 XR3i 16V 4x4	GAL	77	RDA		08.1993->12.1994		250-24016	
	GAL	96	ROB		08.1993->12.1994		250-24016	
RS 2000	GAL	110	N7A		09.1992->12.1994		250-24016	
RS 2000 4x4	GAL	110	N7A		08.1993->12.1994		250-24016	
ESCORT VI CABRIOLET								
1.4	ALL	52	F6G		12.1992->04.1994		250-24016	
1.4i	ALL	55	F4B		07.1993->01.1995		250-24016	
	ALL	55	F4B(HL14EFI)		To->01.1995		250-24015	
1.6 16V XR3i	ALL	66	L1E		12.1992->12.1994		250-24016	
1.6i 16V	ALL	65	L1H		02.1994->12.1994		250-24016	
1.8 16V XR3i	ALL	77	RDA		12.1992->12.1994		250-24016	
	ALL	96	ROB		12.1992->12.1994		250-24016	
ESCORT VI ESTATE								
1.3	GAL	44	J6A		09.1992->09.1992		250-24015	
	GAL	44	J6A		09.1992->12.1994		250-24016	
1.4	GAL	52	F6F		09.1992->12.1992		250-24015	
	GAL	52	F6F		12.1992->01.1994		250-24016	
	GAL	55	F4B,FUH		02.1994->12.1994		250-24016	
	GAL	65	L1H		01.1994->12.1994		250-24016	
1.6i 16V	GAL	65	L1H		01.1994->12.1994		250-24016	
	GAL	66	L1E		09.1992->12.1994		250-24016	
1.8i 16V	GAL	77	RDA		01.1993->12.1994		250-24016	
	GAL	96	RDA		02.1993->12.1994		250-24016	
ESCORT VI SALOON								
1.3	GAL	44	J6A		08.1993->12.1994		250-24016	
	GAL	44	J6A		12.1994->01.1995		250-24015	
1.4	GAL	52	F6F,F6G		08.1993->04.1994		250-24016	
	GAL	55	F4BHL14EFI		08.1993->01.1995		250-24016	
	GAL	55	F4B,FUH		08.1993->01.1995		250-24015	
	GAL	65	L1H		To->01.1995		250-24552	
1.6i 16V	GAL	65	L1H		To->01.1995		250-24552	
	GAL	66	L1E		08.1993->12.1994		250-24016	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
ESCORT VI SALOON (cont'd)								
1.8i 16V	GAL	77	RDA		08.1993->01.1995		250-24016	
ESCORT VII								
1.3	GAL, AAL, ABL	44	J4, J6A		01.1995->10.1998		250-24016	
1.4	GAL, AAL, ABL	55	F4B		01.1995->08.1995		250-24016	
	GAL, AAL, ABL	55	F4B		08.1995->10.1998		250-24015	
1.6 16V	GAL, AAL, ABL	66	L1K		01.1995->10.1998		250-24016	
1.6 16V 4x4	GAL, AAL, ABL	66	L1E		03.1995->08.1996		250-24016	
1.6i 16V	GAL, AAL, ABL	65	L1H		01.1995->08.1995		250-24552	
1.8 16V	GAL, AAL, ABL	77	RDA		01.1995->08.1995		250-24016	
1.8 16V	GAL, AAL, ABL	85	RKC		09.1995->10.1998		250-24016	
RS 2000	GAL, AAL, ABL	110	N7A		08.1995->08.1996		250-24016	
RS 2000 4x4	GAL, AAL, ABL	110	N7A		08.1995->08.1996		250-24016	
ESCORT VII CABRIOLET								
1.4	ALL	55	F4B		02.1995->08.1995		250-24016	
	ALL	55	F4B		08.1995->03.1998		250-24015	
1.6 16V XR3i	ALL	65	L1K		02.1995->12.1996		250-24016	
	ALL	66	L1K		02.1995->09.1999		250-24016	
1.8 16V XR3i	ALL	77	RDA		02.1995->08.1995		250-24016	
	ALL	85	RKC		04.1996->03.1998		250-24016	
	ALL	96	ROB		02.1995->08.1995		250-24016	
ESCORT VII ESTATE								
1.3	GAL, ANL	44	J6A, J4B		01.1995->10.1998		250-24016	
1.4	GAL, ANL	55	F4B		01.1995->08.1995		250-24016	
	GAL, ANL	55	F4B		08.1995->07.1998		250-24015	
1.6 16V	GAL, ANL	66	L1K		01.1995->07.1998		250-24016	
1.6i 16V	GAL, ANL	65	L1H		01.1995->08.1995		250-24552	
1.8 16V	GAL, ANL	77	RDA		01.1995->08.1995		250-24016	
	GAL, ANL	85	RKC		09.1995->07.1998		250-24016	
ESCORT VII SALOON								
1.3	GAL, AFL	44	J6A		01.1995->02.1999		250-24016	
1.4	GAL, AFL	55	F4B		01.1995->07.1995		250-24016	
	GAL, AFL	55	F4B		08.1995->02.1999		250-24015	
1.6i 16V	GAL, AFL	65	L1H		01.1995->08.1995		250-24552	
	GAL, AFL	66	L1K		01.1995->02.1999		250-24016	
1.8 16V	GAL, AFL	77	RDA		01.1995->08.1995		250-24016	
	GAL, AFL	85	RKC		09.1995->02.1999		250-24016	
FIESTA II								
1.4	FBD	52	F6C, F6A		10.1986->02.1989		250-23819	
FIESTA III								
1.1	GFJ	37	G6A		03.1989->12.1992		250-24015	
	GFJ	37	G6A		12.1992->12.1995		250-24016	
1.3 CAT	GFJ	44	J6B		05.1991->12.1992		250-24015	
	GFJ	44	J6B		12.1992->07.1995		250-24016	
1.4	GFJ	52	F6E		05.1990->12.1992		250-24015	
	GFJ	52	F6E		12.1992->01.1994		250-24016	
	GFJ	54	F4A<HL14EFI>		02.1994->07.1995		250-24016	
1.4 CAT	GFJ	54	F4A		02.1994->07.1995		250-24016	
1.6i 16V	GFJ	65	L1G		02.1994->07.1995		250-24016	
1.6 XR2i	GFJ	76	LJD		08.1989->03.1992		250-24015	
	GFJ	81	LJC		10.1989->03.1992		250-24015	
1.8 16V	GFJ	77	RDB		12.1992->07.1995		250-24015	
1.8 XR2i 16V	GFJ	96	RQC		12.1992->07.1995		250-24015	
FIESTA IV								
1.0i	JA_, JB_	38	C4		02.1997->04.1997		250-24552	
	JA_, JB_	48	TD		09.1999->01.2002		250-24552	
1.2	JA_, JB_	55	DHC(ZH12)		08.1999->03.2002		250-24001	
	JA_, JB_	55	DHA(ZH12)		09.1998->08.1999		250-24001	
1.2i	JA_, JB_	55	DHB(ZH12)		08.1999->03.2002		250-24001	
	JA_, JB_	55	DHA(ZH12)		09.1998->09.1999		250-24001	
1.25i 16V	JA_, JB_	55	DHA		09.1998->09.1999		250-24001	
	JA_, JB_	55	DHA		08.1995->09.1998		250-24283	
	JA_, JB_	55	DHB, DHC		08.1999->01.2002		250-24001	250-24858
	JA_, JB_	55	DHD		10.1999->01.2002		250-24283	250-24858
1.3	JA_, JB_	37	JJA(BL13EFIL)		09.1998->08.1999		250-24001	
1.3i	JA_, JB_	37	JJA		10.1995->09.1998		250-24015	
	JA_, JB_	37	JJA		09.1998->08.1999		250-24001	
	JA_, JB_	37	JJA(BL13EFIL)		09.1998->08.1999		250-24001	
	JA_, JB_	37	JJC, JJE		08.1999->01.2002		250-24015	
	JA_, JB_	44	J4C		09.1998->08.1999		250-24001	
	JA_, JB_	44	J4C, J4L		08.1995->01.2002		250-24015	
	JA_, JB_	44	J4C(BL13EFIN)		09.1998->08.1999		250-24001	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
FIESTA IV (cont'd)								
1.4i 16V	JA_,JB_	66	FHE,FHA		09.1999->12.2000		250-24283	
1.6 16V Sport	JA_,JB_	76	L1T		02.2000->01.2002		250-24001	
	JA_,JB_	76	ZL16		02.2000->01.2002		250-24552	
1.6i	JA_,JB_	76	L1T(Zetec)		02.2000->01.2002		250-24001	250-24858
FIESTA V								
1.2i	JH_,JD_	55	1.25 ZETEC-S/DU(FUJA/FUJB)		10.2005->up		250-24001	250-24001
1.2i 16V	JH_,JD_	51	1.25 ZETEC-S(M7JAM7JB)		02.2003->08.2005		250-24001	250-24001
	JH_,JD_	55	1.25 ZETEC-S/DU(FUJA/FUJB)		02.2003->08.2005		250-24001	250-24001
1.25 16V	JH_,JD_	51	M7JA,M7JB		03.2003->08.2005		250-24001	250-24001
	JH_,JD_	55	FUJA,FUJB		02.2003->up		250-24001	250-24001
1.3	JH_,JD_	44	BAJA		03.2002->up		250-24001	250-24001
	JH_,JD_	51	A9JA,A9JB		03.2002->up		250-24001	250-24001
	JH_,JD_	51	DURATEC 1.3 EFI(A9AJA/A9AJB)		10.2002->08.2005		250-24001	250-24001
1.3i	JH_,JD_	44	BAJA(60(D4))		03.2002->08.2005		250-24001	250-24001
	JH_,JD_	51	DURATEC 1.3 EFI(A9AJA/A9AJB)		03.2002->08.2005		250-24001	250-24001
	JH_,JD_	44	BAJA(DURA13-60)		10.2005->up		250-24001	250-24001
	JH_,JD_	51	DURATEC 1.3 EFI(A9AJA/A9AJB)		10.2005->up		250-24001	250-24001
1.4i	JH_,JD_	59	ZETEC-S 1.4 EFI(FXJA/B-E4)		10.2005->up		250-24001	250-24001
	JH_,JD_	59	ZETEC-S 1.4 EFI(FXJA/FXJB)		03.2002->08.2005		250-24001	250-24001
1.4 16V	JH_,JD_	59	FXJB,FXJA		03.2002->up		250-24001	250-24001
1.4i 16V	JH_,JD_	59	ZETEC-S 1.4 EFI(FXJA/FXJB)		03.2002->08.2005		250-24001	250-24001
1.6 16V	JH_,JD_	74	FYJA,FYJB		03.2002->up		250-24001	250-24858
1.6i 16V	JH_,JD_	74	ZETEC-S 1.6 EFI(FYJA/FYJB)		03.2002->up		250-24001	250-24001
2.0i 16V	JH_,JD_	110	NAJB(DURA20-150)		01.2005->up		250-24701	250-24976
ST150	JH_,JD_	110	N4JB		03.2005->up		250-24701	250-24976
FIESTA VI								
1.25		44	STJA,STJB		10.2008->up		250-24939	250-24001
		60	SNJA,SNJB		10.2008->up		250-24939	250-24001
1.25i		44	1.25 DURATEC(60)		10.2008->up		250-24939	250-24001
		60	1.25 DURATEC(82)		10.2008->up		250-24939	250-24001
1.4		71	SPJA,SPJC		10.2008->up		250-24939	250-24001
1.4i		71	1.4 DURATEC(96)		10.2008->up		250-24939	250-24001
1.6 Ti		88	HXJB,HXJA		10.2008->up		250-24939	250-24001
		88	1.6 DURATEC(120)		10.2008->up		250-24939	250-24001
FIESTA VI								
1.25		60	SNJA, SNJB	Fr.Con. 11.2008	01.2009->up		250-24939	250-24001
FOCUS								
1.4 16V	DAW, DBW	55	FXDA		10.1998->10.2001		250-24001	250-24001
	DAW, DBW	55	FXDA		11.2001->08.2004		250-24701	250-24001
	DAW, DBW	55	FXDC		10.1998->10.2001		250-24001	250-24001
	DAW, DBW	55	FXDC		11.2001->08.2004		250-24701	250-24001
1.4i	DAW, DBW	55	FXDA(ZH14SE)		10.1998->10.2001		250-24001	250-24001
1.4i 16V	DAW, DBW	55	FXDA(ZH14SE)		10.1998->08.2004		250-24001	250-24001
	DAW, DBW	55	FXDC(ZH14SED4)		10.1998->08.2004		250-24001	250-24001
1.6 16V	DAW, DBW	74	FYDA	A/T	10.1998->08.2004		250-24701	250-24701
	DAW, DBW	74	FYDA	M/T	10.1998->08.2004		250-24701	250-24001
	DAW, DBW	74	FYDC		10.1998->08.2004		250-24001	250-24701
1.6i 16V	DAW, DBW	74	FYDA(ZH16SE)		10.1998->08.2004		250-24001	250-24001
	DAW, DBW	74	FYDC(ZH16SED4)		10.1998->08.2004		250-24001	250-24001
1.8 16V	DAW, DBW	85	EYDA,EYDC		10.1998->08.2004		250-24001	250-24001
	DAW, DBW	85	EYDA(ZH18E)		10.1998->08.2004		250-24001	250-24001
	DAW, DBW	85	EYDC(ZH18ED4)		10.1998->08.2004		250-24001	250-24001
2.0 16V	DAW, DBW	96	EDDA,EDDC		10.1998->10.2001		250-24302	250-24001
	DAW, DBW	96	EDDA,EDDC		11.2001->08.2004		250-24001	250-24001
2.0i 16V	DAW, DBW	96	EDDA(ZH20E)		10.1998->10.2001		250-24302	250-24001
	DAW, DBW	96	EDDA(ZH20E)		11.2001->08.2004		250-24001	250-24001
	DAW, DBW	96	EDDC(ZH20ED4)		10.1998->10.2001		250-24302	250-24001
	DAW, DBW	96	EDDC(ZH20ED4)		11.2001->08.2004		250-24001	250-24001
	DAW, DBW	127	ZH20EST		02.2002->08.2004		250-24302	250-24001
2.0i Turbo	DAW, DBW	158	D20RS		09.2002->08.2004		250-24001	250-24001
RS	DAW, DBW	158	D20RS		10.2002->08.2004		250-24001	250-24001
ST170	DAW, DBW	127	ZH20EST		03.2002->08.2004		250-24302	250-24001
FOCUS C-MAX								
1.6		74	HWDB,HWDA		10.2003->02.2007		250-24701	250-24793
1.6 Ti		85	SIDA,HXDA		08.2004->03.2007		250-24701	250-24976
1.6i 16V		74	HWDA/B(ZETEC16-100)		06.2003->11.2004		250-24701	250-24976
1.8		88	CSDA		10.2003->03.2004		250-24701	250-24976
		92	DURA18		04.2004->03.2007		250-24701	
1.8i 16V		88	CSDA(Duratec HE 120)		06.2003->03.2004		250-24701	
		92	DURA18(125)		04.2004->02.2007		250-24701	
2.0		107	AODA,AODB,SYDA		04.2004->03.2007		250-24701	250-24976
2.0i		107	2.0 DURATEC HE(145-AODA/B)		06.2003->02.2007		250-24701	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
FOCUS KOMBI								
1.4 16V	DNW	55	FXDA		02.1999->10.2001		250-24001	250-24001
	DNW	55	FXDA		11.2001->08.2004		250-24701	250-24001
	DNW	55	FXDC		02.1999->10.2001		250-24701	250-24001
	DNW	55	FXDC		11.2001->08.2004		250-24001	250-24001
1.4i 16V	DNW	55	FXDA(ZH14SE)		10.1998->08.2004		250-24701	250-24001
1.6 16V	DNW	74	FYDA		02.1999->08.2004		250-24701	250-24701
	DNW	74	FYDC,FYDH,FYDB,FYDD		02.1999->08.2004		250-24001	250-24701
1.6i 16V	DNW	74	FYDC(ZH16SED4)		10.1998->08.2004		250-24001	250-24001
	DNW	74	FYDA(ZH16SE)		10.1998->08.2004		250-24001	250-24001
1.8 16V	DNW	85	EYDA,EYDC		02.1999->08.2004		250-24001	250-24001
1.8i 16V	DNW	85	EYDA(ZH18E)		10.1998->08.2004		250-24001	250-24001
	DNW	85	EYDC(ZH18ED4)		10.1998->08.2004		250-24001	250-24001
2.0 16V	DNW	96	EDDA,EDDC		02.1999->10.2001		250-24302	250-24001
2.0i	DNW	96	EDDA(ZH20E)		11.2001->08.2004		250-24001	250-24001
	DNW	96	EDDC(ZH20ED4)		11.2001->08.2004		250-24001	250-24001
	DNW	127	ZH20EST		11.2001->08.2004		250-24302	250-24001
2.0i 16V	DNW	96	EDDA(ZH20E)		10.1998->10.2001		250-24302	250-24001
	DNW	96	EDDC(ZH20ED4)		10.1998->10.2001		250-24302	250-24001
ST170	DNW	127	ZH20EST		08.2002->08.2004		250-24302	250-24001
FOCUS SALOON								
1.4 16V	DFW	55	FXDA		02.1999->10.2001		250-24001	250-24001
	DFW	55	FXDA		11.2001->08.2004		250-24701	250-24001
1.4i	DFW	55	FXDA(ZH14SE)		10.1998->10.2001		250-24001	250-24001
1.6 16V	DFW	74	FYDA		02.1999->10.2001		250-24701	250-24701
	DFW	74	FYDA		02.1999->08.2004		250-24701	250-24001
	DFW	74	FYDC		02.1999->08.2004		250-24001	250-24001
1.6i 16V	DFW	74	FYDA(ZH16SE)		10.1998->08.2004		250-24001	250-24001
	DFW	74	FYDC(ZH16SED4)		10.1998->08.2004		250-24001	250-24001
	DFW	74	FYDA(ZH16SE)		11.2001->08.2004		250-24001	250-24001
1.8 16V	DFW	85	EYDA,EYDC		02.1999->08.2004		250-24001	250-24001
1.8i 16V	DFW	85	EYDA(ZH18E)		10.1998->08.2004		250-24001	250-24001
	DFW	85	EYDC(ZH18ED4)		10.1998->08.2004		250-24001	250-24001
	DFW	85	EYDA(ZH18E)		10.1998->08.2004		250-24001	250-24001
2.0 16V	DFW	96	EDDA,EDDC		02.1999->10.2001		250-24302	250-24001
	DFW	96	EDDA,EDDC		11.2001->08.2004		250-24001	250-24001
2.0i 16V	DFW	96	EDDA(ZH20E)		10.1998->10.2001		250-24302	250-24001
	DFW	96	EDDA(ZH20E)		11.2001->08.2004		250-24001	250-24001
	DFW	96	EDDC(ZH20ED4)		10.1998->10.2001		250-24302	250-24001
	DFW	96	EDDC(ZH20ED4)		11.2001->08.2004		250-24001	250-24001
FOCUS II								
1.4	DA_	59	ZETEC-S(FXJA,B-E4)		11.2004->up		250-24701	250-24793
1.4i 16V	DA_	59	ZETEC-S 1.4 EFI(FXJA/B-E4)		09.2004->11.2004		250-24701	
1.6	DA_	74	SHDA,HWDB,HWDA		11.2004->up		250-24701	250-24793
1.6 Ti	DA_	85	HXDB,HXDA		12.2007->up		250-24701	250-24976
1.6i 16V	DA_	74	HWDA/B(ZETEC16-100)		09.2004->11.2004		250-24701	
1.8 Flexifuel	DA_	92	Q7DA		01.2006->up		250-24701	250-24976
1.8i	DA_	92	Q7DA(DURA18FLEX)		11.2004->up		250-24701	
2.0	DA_	107	AODA,AODB		11.2004->up		250-24701	250-24976
	DA_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.0i	DA_	107	2.0 DURATEC HE(145-AODA/B)		11.2004->up		250-24701	
2.0 16V	DA_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.0i 16V	DA_	107	2.0 DURATEC HE(145-AODA/B)		11.2004->up		250-24701	
2.4	DA_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.5	DA_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.5 ST	DA_	166	2.5DURATECH		10.2005->up		250-25079	250-24409
2.5T	DA_	166	2.5 DURATEC(225)		12.2007->up		250-25079	250-24409
2.5i	DA_	162	2.5 DURATEC(220)		10.2005->up		250-25079	250-24409
FOCUS II CABRIOLET								
1.6		74	HWDB,HWDA		10.2006->up		250-24701	250-24793
2.0		107	AODA,AODB		10.2006->up		250-24701	250-24976
2.0i		107	2.0 DURATEC HE(145-AODA/B)		07.2006->up		250-24701	
FOCUS II KOMBI								
1.6i 16V	DAW_	74	HWDA/B(ZETEC16-100)		09.2004->11.2004		250-24701	
1.8 16V	DAW_	92	Q7DA(DURA18FLEX)		12.2007->up		250-24701	
1.8i	DAW_	92	Q7DA(DURA18FLEX)		06.2006->up		250-24701	
2.0 16V	DAW_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.0i	DAW_	107	2.0 DURATEC HE(145-AODA/B)		11.2004->up		250-24701	
2.2	DAW_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.3	DAW_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
FOCUS II SALOON								
1.4	DA_	59	ASDB,ASDA		04.2005->up		250-24701	250-24793
1.6	DA_	74	SHDA,HWDB,HWDA		04.2005->up		250-24701	250-24793



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
FOCUS II SALOON (cont'd)								
1.6 Ti	DA_	85	HXDB,HXDA		12.2007->up		250-24701	
	DA_	85	HXDB,HXDA		11.2008->01.2008		250-24701	250-24976
1.6i 16V	DA_	74	HWDA/B(ZETEC16-100)		09.2004->11.2004		250-24701	
1.8 Flexifuel	DA_	92	DURA18CNG,Q7DA		06.2006->up		250-24701	250-24976
1.8i	DA_	92	DURA18CNG(125)		06.2006->up		250-24701	
	DA_	92	Q7DA(DURA18FLEX)		06.2006->up		250-24701	
	DA_	92	DURA18CNG(125)		06.2006->up		250-24701	
2.0	DA_	107	AODA,AODB		04.2005->up		250-24701	250-24976
	DA_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.0 16V	DA_	107	2.0 DURATEC HE(145-AODA/B)		12.2007->up		250-24701	
2.0i	DA_	107	2.0 DURATEC HE(145-AODA/B)		11.2004->up		250-24701	
2.0i 16V	DA_	107	2.0 DURATEC HE(145-AODA/B)		11.2004->up		250-24701	
FOCUS II TURNIER								
1.4	DAW_	59	ZETEC-S(FXJA,B-E4)		01.2005->up		250-24701	250-24793
1.6	DAW_	74	SHDA,HWDB,HWDA		11.2004->up		250-24701	250-24793
1.6 Ti	DAW_	85	HXDB,HXDA		12.2007->up		250-24701	
	DAW_	85	HXDB,HXDA		01.2008->up		250-24701	250-24976
1.8 Flexifuel	DAW_	92	Q7DA		06.2006->up		250-24701	250-24976
2.0	DAW_	107	AODA,AODB		11.2004->up		250-24701	250-24976
FUSION								
1.2i	JU_	55	1.25 ZETEC-S/DU(FUJA/FUJB)		10.2005->up		250-24001	250-24001
1.25	JU_	55	FUJA,FUJB		08.2004->up		250-24001	250-24001
1.25i	JU_	55	1.25 ZETEC-S/DU(FUJA/FUJB)		08.2004->09.2005		250-24001	250-24001
1.4	JU_	59	FXJB,FXJA		08.2002->up		250-24001	250-24001
1.4i	JU_	59	ZETEC-S 1.4 EFI(FXJA/FXJB)		06.2002->up		250-24001	250-24001
1.4i 16V	JU_	59	ZETEC-S 1.4 EFI(FXJA/FXJB)		06.2002->09.2005		250-24001	250-24001
1.6	JU_	74	FYJA,FYJB		03.2004->up		250-24001	250-24858
	JU_	74	FYJA,FYJB		03.2004->up		250-24001	250-24001
1.6i 16V	JU_	74	ZETEC-S 1.6 EFI(FYJA/FYJB)		06.2002->up		250-24001	250-24001
GALAXY								
2.0		107	AOWB,AOWA		05.2006->up		250-24701	250-24976
2.0i	WGR	85	NSE		11.1995->03.2000		250-24283	
	WGR	85	NSE		01.2001->05.2006		250-24701	
2.0i 16V		107	2.0 DURATEC HE(145-AODA/B)		04.2006->up		250-24701	250-24976
2.0 EcoBoost		149	TNWA		03.2010->up			250-24976
2.3		118	SEWA		07.2007->up		250-24701	
		118	2.3 DURATEC HE(C23HDEX)		03.2007->up		250-24701	
2.3	WGR	103	Y5B		11.2002->up		250-24701	
2.3 16V	WGR	103	E5SB		09.2001->05.2006		250-24701	
	WGR	107	Y5B,E5SA		01.1997->03.2000		250-24283	
	WGR	107	Y5B,E5SA		04.2000->08.2001		250-24701	
2.5i		162	2.5 DURATEC(220)		04.2006->up		250-25005	250-24409
2.8i	WGR	150	PW-204		04.2000->up		250-25007	
2.8i V6	WGR	128	PW		11.1995->01.1996		250-24417	
	WGR	128	PW		01.1996->04.2000		250-24147	
	WGR	150	PW204		04.2000->05.2006		250-25007	
2.8i V6 4x4	WGR	128	PW		07.1996->03.2000		250-24147	
GRAND C-MAX								
1.6 Ti		92	PNDA		12.2010->up	Left		250-24976
		92	PNDA		12.2010->up	Right		250-24976
KA								
1.2i		51	1.2 DURATEC(69)		12.2008->up		250-241003	
1.3i	RB_	36	JJD,JJF		07.1998->12.1998		250-24016	
	RB_	36	JJD,JJF		12.1998->10.2002		250-24701	
	RB_	36	JJF		10.2002->11.2008		250-24001	
	RB_	37	JJB		09.1996->06.1998		250-24016	
1.3i	RB_	44	BAJA		10.2002->11.2008		250-24001	250-24001
	RB_	44	J4D,J4K,J4M,		09.1996->12.1998		250-24016	
	RB_	44	J4K		12.1998->10.2002		250-24001	
	RB_	51	A9B,A9A		10.2002->11.2008		250-24001	250-24001
	RB_	37	JJD(BL13EFIL)		12.1998->10.2002		250-24001	
1.3i	RB_	44	J4M(BL13EFIN)		12.1998->10.2002		250-24001	
	RB_	44	BAJA(DURA13-60)		10.2002->11.2008		250-24001	250-24001
	RB_	51	DURATEC 1.3 EFI(A9AJA/A9AJB)		10.2002->11.2008		250-24001	250-24001
	RB_	44	J4K(BL13EFIN)		12.1998->10.2002		250-24001	
	RB_	37	JJF(BL13EFIL)		12.1998->10.2002		250-24001	
1.6i	RB_	70	CDA,CDB,CDC		07.2003->11.2008		250-24001	250-24001
	RB_	70	CDA/B/C(BL16EFI)		02.2003->11.2008		250-24001	250-24001
MAVERICK								
2.0 16V		91	EDD,EDDC		02.2001->up		250-24858	
2.0i		90	EDD-122		04.2001->12.2002		250-24858	
		96	EDDC(ZH20ED4)		12.2000->up		250-24858	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
MAVERICK (cont'd)								
3.0 V6 24V		145	AJ		02.2001->02.2004		250-24001	250-24127
		149	AJ		03.2004->up		250-24302	250-24127
3.0i		145	AJ-197		12.2000->02.2004		250-24302	250-24127
		149	AJ-203		03.2004->up		250-24302	250-24127
MONDEO								
1.6 Ti		81	1.6 ZETEC-S(110)		06.2007->up	Left	250-24701	250-24976
		81	1.6 ZETEC-S(110)		06.2007->up	Right	250-24793	250-24976
		92	1.6 ZETEC-S(125)		06.2007->up	Left	250-24701	250-24976
		92	1.6 ZETEC-S(125)		06.2007->up	Right	250-24793	250-24976
MONDEO I								
1.6i 16V	GBP	65	L1J88		07.1994->08.1996		250-24015	
	GBP	66	L1F		02.1993->08.1996		250-24015	
1.8i 16V	GBP	82	RKB		08.1994->08.1996		250-24015	
	GBP	85	RKA		02.1993->08.1996		250-24015	
1.8i 16V 4x4	GBP	85	RKA		01.1995->08.1996		250-24015	
2.0i 16V	GBP	97	NGA(ZH20)		12.1994->08.1996		250-24015	
	GBP	100	NGA		02.1993->08.1996		250-24015	
2.0i 16V 4x4	GBP	97	NGA		01.1995->08.1996		250-24015	
2.5i	GBP	125	SEA(MP25)		07.1994->08.1996	Left	250-24302	
	GBP	125	SEA(MP25)		07.1994->08.1996	Right	250-24302	
2.5i 24V	GBP	125	SEA		07.1994->08.1996	Left	250-24302	
	GBP	125	SEA		07.1994->08.1996	Right	250-24302	
MONDEO I ESTATE								
1.6i 16V	BNP	65	L1J88		07.1994->08.1996		250-24015	
	BNP	66	L1F		04.1993->08.1996		250-24015	
1.8i 16V	BNP	82	RKB		08.1994->08.1996		250-24015	
	BNP	85	RKA		04.1993->08.1996		250-24015	
1.8i 16V 4x4	BNP	85	RKA		02.1995->08.1996		250-24015	
2.0i 16V	BNP	97	NGA		01.1993->08.1996		250-24015	
	BNP	100	NGA		04.1993->08.1996		250-24015	
2.0i 16V 4x4	BNP	97	NGA132		12.1994->08.1996		250-24015	
	BNP	100	NGA		02.1995->08.1996		250-24015	
MONDEO I KOMBI								
2.5i	BNP	125	SEA(MP25)		07.1994->08.1996	Left	250-24302	
	BNP	125	SEA(MP25)		07.1994->08.1996	Right	250-24302	
2.5i 24V	BNP	125	SEA		07.1994->08.1996	Left	250-24302	
	BNP	125	SEA		07.1994->08.1996	Right	250-24302	
MONDEO I SALOON								
1.6i 16V	GBP	65	L1J88		07.1994->08.1996		250-24015	
	GBP	66	L1F		02.1993->08.1996		250-24015	
1.8i 16V	GBP	82	RKB		08.1994->08.1996		250-24015	
	GBP	85	RKA		02.1993->08.1996		250-24015	
2.0i 16V	GBP	100	NGA		02.1993->08.1996		250-24015	
2.0i 16V 4x4	GBP	97	NGA		12.1994->08.1996		250-24015	
2.5i	GBP	125	SEA(MP25)		07.1994->08.1996	Left	250-24302	
	GBP	125	SEA(MP25)		07.1994->08.1996	Right	250-24302	
2.5i 24V	GBP	125	SEA		07.1994->08.1996	Left	250-24302	
	GBP	125	SEA		07.1994->08.1996	Right	250-24302	
MONDEO II								
1.6i	BAP	66	L1J		09.1996->05.1998		250-24015	
	BAP	66	L1J		05.1998->08.2000		250-24001	
	BAP	70	L1(ZH16 EEC V)		05.1998->08.2000		250-24001	
	BAP	66	L1J-90(ZH16 EECU/1)		05.1998->08.2000		250-24001	
1.6i 16V	BAP	70	L1<ZH16EECV>		05.1998->08.2000		250-24001	
1.8i	BAP	85	RKJ		09.1996->05.1998		250-24015	
	BAP	85	RKJ		05.1998->08.2000		250-24001	
	BAP	85	RKJ(ZH18M)		05.1998->08.2000		250-24001	
2.0i	BAP	96	NGA		09.1996->05.1998		250-24552	
	BAP	96	NGA		05.1998->08.2000		250-24001	
	BAP	96	NGA(131)		05.1998->08.2000		250-24001	
2.0i GLX	BAP	96	NGA(131)		05.1998->08.2000		250-24001	
2.5 24V	BAP	125	SEC		06.2000->09.2000	Left	250-24302	
	BAP	125	SEC		06.2000->09.2000	Right	250-24302	
	BAP	125	SEA		09.1996->05.1999	Left	250-24015	
	BAP	125	SEA		09.1996->05.1999	Right	250-24015	
	BAP	125	SEA		05.1999->08.2000	Left	250-24302	
	BAP	125	SEA		05.1999->08.2000	Right	250-24302	
2.5 ST 200	BAP	151	SGA		09.1996->05.1999	Left	250-24015	
	BAP	151	SGA		09.1996->05.1999	Right	250-24015	
	BAP	151	SGA		05.1999->08.2000	Left	250-24302	
	BAP	151	SGA		05.1999->08.2000	Right	250-24302	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
MONDEO II (cont'd)								
2.5i	BAP	125	SEA(MP25)		05.1999->08.2000	Left	250-24302	
	BAP	125	SEA(MP25)		05.1999->08.2000	Right	250-24302	
	BAP	125	SEC(MP25N)		05.2000->09.2000	Left	250-24302	
	BAP	125	SEC(MP25N)		05.2000->09.2000	Right	250-24302	
	BAP	151	SE(MP25)		05.1999->08.2000	Left	250-24302	
	BAP	151	SE(MP25)		05.1999->08.2000	Right	250-24302	
MONDEO II KOMBI								
1.6i	BNP	66	L1J90		09.1996->05.1998		250-24015	
	BNP	66	L1J90		05.1998->08.2000		250-24001	
1.6i 16V	BNP	70	L1<ZH16EECV>		05.1998->08.2000		250-24001	
	BNP	66	L1J-90(ZH16 EECU/1)		05.1998->08.2000		250-24001	
1.8i	BNP	85	RKJ		09.1996->05.1998		250-24015	
	BNP	85	RKJ		01.1998->09.2000		250-24001	
	BNP	85	RKJ(ZH18M)		05.1998->08.2000		250-24001	
2.0i	BNP	96	NGA		09.1996->05.1998		250-24552	
	BNP	96	NGA		05.1998->08.2000		250-24001	
	BNP	96	NGA(131)		05.1998->08.2000		250-24001	
2.5 24V	BNP	125	SEC		10.1999->09.2000	Left	250-24302	
	BNP	125	SEC		10.1999->09.2000	Right	250-24302	
	BNP	125	SEA		09.1996->05.1999	Left	250-24015	
	BNP	125	SEA		09.1996->05.1999	Right	250-24015	
	BNP	125	SEA		05.1999->08.2000	Left	250-24302	
	BNP	125	SEA		05.1999->08.2000	Right	250-24302	
2.5 ST 200	BNP	151	SEMP25		05.1999->08.2000	Left	250-24302	
	BNP	151	SEMP25		05.1999->08.2000	Right	250-24302	
	BNP	151	SGA		09.1996->05.1999	Left	250-24015	
	BNP	151	SGA		09.1996->05.1999	Right	250-24015	
2.5i	BNP	125	SEA(MP25)		05.1999->08.2000	Left	250-24302	
	BNP	125	SEA(MP25)		05.1999->08.2000	Right	250-24302	
2.5i	BNP	125	SEC(MP25N)		05.2000->09.2000	Left	250-24302	
	BNP	125	SEC(MP25N)		05.2000->09.2000	Right	250-24302	
	BNP	151	SE(MP25)		05.1999->08.2000	Left	250-24302	
	BNP	151	SE(MP25)		05.1999->08.2000	Right	250-24302	
MONDEO II SALOON								
1.6i	BFP	66	L1J		09.1996->05.1998		250-24015	
	BFP	66	L1J		05.1998->08.2000		250-24001	
	BFP	70	L1(ZH16 EEC V)		05.1998->08.2000		250-24001	
	BFP	66	L1J-90(ZH16 EECU/1)		05.1998->08.2000		250-24001	
1.6i 16V	BFP	70	L1<ZH16EECV>		05.1998->08.2000		250-24001	
1.8i	BFP	85	RKJ		09.1996->05.1998		250-24015	
	BFP	85	RKJ		01.1998->09.2000		250-24001	
2.0i	BFP	85	RKJ(ZH18M)		05.1998->08.2000		250-24001	
	BFP	96	NGA		09.1996->05.1998		250-24552	
2.0i GLX	BFP	96	NGA		05.1998->08.2000		250-24001	
	BFP	96	NGA(131)		05.1998->08.2000		250-24001	
	BFP	96	NGA(131)		05.1998->08.2000		250-24001	
2.5 24V	BFP	125	SEC		06.2000->09.2000	Left	250-24302	
	BFP	125	SEC		06.2000->09.2000	Right	250-24302	
	BFP	125	SEA		09.1996->05.1999	Left	250-24015	
	BFP	125	SEA		09.1996->05.1999	Right	250-24015	
	BFP	125	SEA		05.1999->08.2000	Left	250-24302	
	BFP	125	SEA		05.1999->08.2000	Right	250-24302	
2.5 ST 200	BFP	151	SGA		09.1996->05.1999	Left	250-24015	
	BFP	151	SGA		09.1996->05.1999	Right	250-24015	
	BFP	151	SGA		05.1999->08.2000	Left	250-24302	
	BFP	151	SGA		05.1999->08.2000	Right	250-24302	
2.5i	BFP	125	SEA(MP25)		05.1999->08.2000	Left	250-24302	
	BFP	125	SEA(MP25)		05.1999->08.2000	Right	250-24302	
	BFP	125	SEC(MP25N)		05.2000->09.2000	Left	250-24302	
	BFP	125	SEC(MP25N)		05.2000->09.2000	Right	250-24302	
	BFP	151	SE(MP25)		05.1999->08.2000	Left	250-24302	
	BFP	151	SE(MP25)		05.1999->08.2000	Right	250-24302	
MONDEO III								
1.8 16V	B5Y	81	CGBB		06.2003->04.2005		250-24903	
	B5Y	92	CHBA,CHBB		06.2003->08.2007		250-24903	
1.8 SCi	B5Y	96	ZH18		06.2003->04.2005		250-24701	
2.0 16V	B5Y	107	CJBA,CJBB		06.2003->08.2007		250-24903	
2.5 V6 24V	B5Y	125	LCBD		11.2000->04.2005	Left	250-24301	●250-24903
	B5Y	125	LCBD		11.2000->04.2005	Right	250-24301	
3.0 V6 24V	B5Y	150	DURA30		10.2004->08.2007	Left	250-24301	●250-24903
	B5Y	150	DURA30		10.2004->08.2007	Right	250-24301	
ST220	B5Y	166	MEBA		04.2002->05.2003	Left	250-24301	
	B5Y	166	MEBA		04.2002->05.2003	Right	250-24301	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
MONDEO III (cont'd)								
2.5i	B5Y	125	LCBD(MP25)		10.2000->04.2005	Left	250-24301	
	B5Y	125	LCBD(MP25)		10.2000->04.2005	Right	250-24301	
MONDEO III ESTATE								
1.8 16V	BWY	81	CGBB,CGBA		11.2000->04.2005		250-24903	
	BWY	92	CHBA,CHBB		11.2000->08.2007		250-24903	
1.8 Sci	BWY	96	ZH18		06.2003->04.2005		250-24701	
2.0 16V	BWY	107	CJBA,CJBB		06.2003->08.2007		250-24903	
MONDEO III KOMBI								
2.5	BWY	125	LCBD(MP25)		10.2000->05.2003	Left	250-24301	
	BWY	125	LCBD(MP25)		10.2000->05.2003	Right	250-24301	
	BWY	125	LCBD(MP25)		06.2003->04.2005	Left	250-24301	
	BWY	125	LCBD(MP25)		06.2003->04.2005	Right	250-24301	
2.5 V6 24V	BWY	125	LCBD		11.2000->04.2005	Left	250-24301	●250-24903
	BWY	125	LCBD		11.2000->04.2005	Right	250-24301	
3.0 V6 24V	BWY	150	DURA30		10.2004->08.2007	Left	250-24301	●250-24903
	BWY	150	DURA30		10.2004->08.2007	Right	250-24301	
3.0i	BWY	150	DURA30(204)		10.2004->04.2005	Left	250-24301	
	BWY	150	DURA30(204)		10.2004->04.2005	Right	250-24301	
	BWY	150	DURA30(204)		05.2005->06.2007	Left	250-24301	
	BWY	150	DURA30(204)		05.2005->06.2007	Right	250-24301	
	BWY	166	MEBA(DURA-226)		03.2002->06.2007	Left	250-24301	250-24001
	BWY	166	MEBA(DURA-226)		03.2002->06.2007	Right	250-24301	250-24001
ST220	BWY	166	MEBA		04.2002->08.2007	Left	250-24301	250-24001
	BWY	166	MEBA		04.2002->08.2007	Right	250-24301	250-24001
MONDEO III SALOON								
1.8 16V	B4Y	81	CGBB,CGBA		11.2000->04.2005		250-24903	
	B4Y	92	CHBA,CHBB		11.2000->08.2007		250-24903	
1.8 Sci	B4Y	96	ZH18		06.2003->04.2005		250-24701	
2.0 16V	B4Y	107	CJBA,CJBB		11.2000->08.2007		250-24903	
2.5 V6 24V	B4Y	125	LCBD		11.2000->04.2005	Left	250-24301	●250-24903
	B4Y	125	LCBD		11.2000->04.2005	Right	250-24301	
2.5i	B4Y	125	LCBD(MP25)		10.2000->05.2003	Left	250-24301	
	B4Y	125	LCBD(MP25)		10.2000->05.2003	Right	250-24301	
	B4Y	125	LCBD(MP25)		06.2003->04.2005	Left	250-24301	
	B4Y	125	LCBD(MP25)		06.2003->04.2005	Right	250-24301	
3.0 V6 24V	B4Y	150	DURA30		10.2004->08.2007	Left	250-24301	●250-24903
	B4Y	150	DURA30		10.2004->08.2007	Right	250-24301	
3.0i	B4Y	150	DURA30(204)		10.2004->04.2005	Left	250-24301	
	B4Y	150	DURA30(204)		10.2004->04.2005	Right	250-24301	
	B4Y	150	DURA30(204)		05.2005->04.2007	Left	250-24301	
	B4Y	150	DURA30(204)		05.2005->04.2007	Right	250-24301	
	B4Y	166	MEBA(DURA-226)		10.2004->06.2007	Left	250-24301	250-24001
	B4Y	166	MEBA(DURA-226)		10.2004->06.2007	Right	250-24301	250-24001
ST220	B4Y	166	MEBA		04.2002->08.2007	Left	250-24301	250-24001
	B4Y	166	MEBA		04.2002->08.2007	Right	250-24301	250-24001
MONDEO IV								
1.6 Ti		81	ZETEC		03.2007->up	Left	250-24701	250-24976
		81	ZETEC		03.2007->up	Right	250-24793	250-24976
		92	ZETEC		03.2007->up	Left	250-24701	250-24976
		92	ZETEC		03.2007->up	Right	250-24793	250-24976
1.6 Ti		92	1.6 ZETEC-S(125)		06.2007->up	Left	250-24701	250-24976
		92	1.6 ZETEC-S(125)		06.2007->up	Right	250-24793	250-24976
		81	1.6 ZETEC-S(110)		06.2007->up	Left	250-24701	250-24976
		81	1.6 ZETEC-S(110)		06.2007->up	Right	250-24793	250-24976
2.0		107	AOBC,AOBA		03.2007->up		250-24701	250-24976
2.2		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976
2.3		118	SEBA		07.2007->up		250-24701	250-24976
		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976
		118	2.3 DURATEC HE(C23HDEX)		09.2007->up		250-24701	250-24976
2.5		162	2.5 DURATEC(220)		06.2007->up		250-25005	250-24409
MONDEO IV SALOON								
1.6 Ti		81	ZETEC		03.2007->up	Left	250-24701	250-24976
		81	ZETEC		03.2007->up	Right	250-24793	250-24976
		92	ZETEC		03.2007->up	Left	250-24701	250-24976
		92	ZETEC		03.2007->up	Right	250-24793	250-24976
2.0		107	AOBC,AOBA		03.2007->up		250-24701	250-24976
2.3		118	SEBA		07.2007->up		250-24701	250-24976
		118	2.3 DURATEC HE(C23HDEX)		09.2007->up		250-24701	250-24976
2.5		162	2.5 DURATEC(220)		06.2007->up		250-25005	250-24409
		162	2.5 DURATEC(220)		06.2007->up		250-25005	250-24409
2.6		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976
2.7		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
MONDEO IV SALOON (cont'd)								
2.8i		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976
2.9		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976
MONDEO IV TURNIER								
1.6 i.e.		92	1.6 ZETEC-S(125)		06.2007->up	Left	250-24701	250-24976
		92	1.6 ZETEC-S(125)		06.2007->up	Right	250-24793	250-24976
		81	1.6 ZETEC-S(110)		06.2007->up	Left	250-24701	250-24976
		81	1.6 ZETEC-S(110)		06.2007->up	Right	250-24793	250-24976
1.6 Ti		81	ZETEC		03.2007->up	Left	250-24701	250-24976
		81	ZETEC		03.2007->up	Right	250-24793	250-24976
2.0		107	AOBC,AOBA		03.2007->up		250-24701	250-24976
2.0 16V		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976
		107	2.0 DURATEC HE(145-AODA/B)		06.2007->up		250-24701	250-24976
2.0 SCTi		149			03.2010->up			250-24976
2.3		118	SEBA		07.2007->up		250-24701	250-24976
		118	2.3 DURATEC HE(C23HDEX)		09.2007->up		250-24701	250-24976
2.5 20V		162	2.5 DURATEC(220)		06.2007->up		250-25005	250-24409
		162	2.5 DURATEC(220)		06.2007->up		250-25005	250-24409
1.6i	GAL	77	LJF		09.1990->09.1992		250-24015	
	GAL	77	LJF		07.1990->09.1992		250-24016	
1.6i 16V	GAL	66	L1E		07.1992->09.1993		250-24016	
1.8i 16V	GAL	77	RDA		02.1992->09.1993		250-24016	
	GAL	96	ROB		01.1992->09.1993		250-24016	
PUMA								
1.4 16V	EC_	66	FHD,FHF		01.1998->10.2000		250-24283	
1.6 16V	EC_	76	ZH16S		09.2000->12.2001		250-24283	
1.7 16V	EC_	92	MHA		05.1997->12.2001		250-24283	
ST 160	EC_	118	MHA160		10.1999->10.2000		250-24283	
SCORPIO I								
2.0	GAE, GGE	77	NEL		04.1985->08.1989		250-24519	
2.0i	GAE, GGE	74	NRC	3 Wire Sensor	10.1985->05.1989		250-23819	
	GAE, GGE	74	NRC	4 Wire Sensor	06.1989->12.1990		250-24015	
	GAE, GGE	85	NRA-TL20INJ>	3 Wire Sensor	04.1985->10.1989		250-23819	
	GAE, GGE	85	NRA-TL20INJ>	4 Wire Sensor	04.1985->10.1989		250-24197	
2.0i	GAE, GGE	85	N9F		02.1992->01.1993		250-24552	
	GAE, GGE	85	N9F		01.1993->09.1994		250-24016	
	GAE, GGE	88	N9D		02.1992->01.1993		250-24552	
	GAE, GGE	88	N9D		01.1993->09.1994		250-24016	
2.4i	GAE, GGE	92	ARD		11.1989->01.1992		250-23151	
	GAE, GGE	96	ARC		11.1986->09.1988		250-23819	
2.4i CAT	GAE, GGE	92	ARD		01.1990->01.1993		250-23151	
	GAE, GGE	92	ARD		01.1993->09.1994		250-24016	
2.9i	GAE, GGE	107	BRD,BRF		02.1991->01.1993	Left	250-23151	
	GAE, GGE	107	BRD,BRF		02.1991->01.1993	Right	250-23151	
	GAE, GGE	107	BRD,BRF		01.1993->09.1994	Left	250-24016	
	GAE, GGE	107	BRD,BRF		01.1993->09.1994	Right	250-24016	
2.9i	GAE, GGE	110	BRC		01.1986->12.1989	Left	250-23819	
	GAE, GGE	110	BRC		01.1986->12.1989	Right	250-23819	
	GAE, GGE	110	BRC		01.1989->up	Left	250-23151	
	GAE, GGE	110	BRC		01.1989->up	Right	250-23151	
2.9i 24V	GAE, GGE	143	BOA		08.1993->09.1994	Left	250-24016	
	GAE, GGE	143	BOA		08.1993->09.1994	Right	250-24016	
	GAE, GGE	107	BRD		11.1989->01.1992	Left	250-23151	
	GAE, GGE	107	BRD		11.1989->01.1992	Right	250-23151	
2.9i 24V	GAE, GGE	110	BRC		11.1986->09.1994	Left	250-23819	
	GAE, GGE	110	BRC		11.1986->09.1994	Right	250-23819	
	GAE, GGE	110	BRC,BRF		01.1989->09.1994	Left	250-23151	
	GAE, GGE	110	BRC,BRF		01.1989->09.1994	Right	250-23151	
2.9i 24V	GAE, GGE	110	BRF		01.1993->09.1994	Left	250-24016	
	GAE, GGE	110	BRF		01.1993->09.1994	Right	250-24016	
	GAE, GGE	107	BRE		02.1991->12.1991	Left	250-23151	
	GAE, GGE	107	BRE		02.1991->12.1991	Right	250-23151	
SCORPIO I ESTATE								
2.0i	GGE	85	N9F		02.1992->01.1993		250-24552	
	GGE	85	N9F		01.1993->09.1994		250-24016	
	GGE	88	N9D		02.1992->01.1993		250-24552	
	GGE	88	N9D		01.1993->09.1994		250-24016	
2.4i	GGE	92	ARD		02.1992->01.1993		250-23151	
	GGE	92	ARD		01.1993->09.1994		250-24016	
2.9 24V	GGE	143	BOA		08.1993->09.1994	Left	250-24016	
	GGE	143	BOA		08.1993->09.1994	Right	250-24016	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
SCORPIO I ESTATE (cont'd)								
2.9i	GGE	107	BRD,BRE,BRF		01.1992->01.1993	Left	250-23151	
	GGE	107	BRD,BRE,BRF		01.1992->01.1993	Right	250-23151	
	GGE	107	BRD,BRE,BRF		01.1992->09.1994	Left	250-24016	
	GGE	107	BRD,BRE,BRF		01.1992->09.1994	Right	250-24016	
2.9i 4x4	GGE	107	BRF		01.1992->01.1993	Left	250-23151	
	GGE	107	BRF		01.1992->01.1993	Right	250-23151	
	GGE	107	BRF		01.1992->09.1994	Left	250-24016	
	GGE	107	BRF		01.1992->09.1994	Right	250-24016	
SCORPIO I SALOON								
2.0	GGE	80	N8B		02.1992->01.1993		250-24552	
	GGE	80	N8B		01.1993->03.1993		250-24016	
2.0i	GGE	85	N9F		02.1992->01.1993		250-24552	
	GGE	85	N9F		01.1993->09.1994		250-24016	
	GGE	88	N9B		01.1990->01.1992		250-24552	
	GGE	88	N9B		01.1993->09.1994		250-24016	
2.0i	GGE	92	N9B		05.1989->01.1990		250-24197	
	GGE	92	N9B		01.1990->01.1992		250-24552	
2.4i	GGE	92	ARD		01.1990->01.1993		250-23151	
	GGE	92	ARD		01.1993->10.1994		250-24016	
2.9i	GGE	107	BRD,BRF		01.1990->01.1993	Left	250-23151	
	GGE	107	BRD,BRF		01.1990->01.1993	Right	250-23151	
	GGE	107	BRF		01.1993->10.1994	Left	250-24016	
	GGE	107	BRF		01.1993->10.1994	Right	250-24016	
2.9i 24V	GGE	143	BOA		05.1991->01.1992	Left	250-23151	
	GGE	143	BOA		05.1991->01.1992	Right	250-23151	
2.9i 4x4	GGE	107	BRD		01.1990->01.1992	Left	250-23151	
	GGE	107	BRD		01.1990->01.1992	Right	250-23151	
	GGE	107	BRF		02.1992->01.1993	Left	250-23151	
	GGE	107	BRF		02.1992->01.1993	Right	250-23151	
	GGE	107	BRF		01.1993->10.1994	Left	250-24016	
	GGE	107	BRF		01.1993->10.1994	Right	250-24016	
SCORPIO II								
2.0i	GFR, GGR	85	NSE		10.1994->07.1998		250-24283	
2.0i 16V	GFR, GGR	100	N3A		10.1994->07.1998		250-24283	
2.3i 16V	GFR, GGR	108	Y5A		06.1996->07.1998		250-24283	
2.9i	GFR, GGR	110	BRF		02.1995->08.1996	Left	250-24016	
	GFR, GGR	110	BRF		02.1995->08.1996	Right	250-24016	
2.9i 24V	GFR, GGR	152	BOB		10.1994->07.1998	Left	250-24015	
	GFR, GGR	152	BOB		10.1994->07.1998	Right	250-24015	
SCORPIO II ESTATE								
2.0i	GNR, GGR	85	NSD		10.1994->07.1998		250-24283	
2.0i 16V	GNR, GGR	100	N3A		10.1994->07.1998		250-24283	
2.3i 16V	GNR, GGR	108	Y5A		06.1996->07.1998		250-24283	
2.9i	GNR, GGR	110	BRF		02.1995->08.1996	Left	250-24016	
	GNR, GGR	110	BRF		02.1995->08.1996	Right	250-24016	
2.9i 24V	GNR, GGR	152	BOB		10.1994->07.1998	Left	250-24015	
	GNR, GGR	152	BOB		10.1994->07.1998	Right	250-24015	
SIERRA								
1.6	GBG, GB4	53	LSF		01.1988->01.1990		250-24197	
	GBG, GB4	53	LSF		01.1990->01.1993		250-24552	
1.6i	GBG, GB4	59	L6B		10.1988->01.1990		250-24197	
	GBG, GB4	59	L6B		01.1990->12.1992		250-24552	
1.8	GBG, GB4	64	R6A		04.1992->01.1993		250-24016	
2.0 4x4	GBG, GB4	88	N9C		01.1992->01.1993		250-24552	
	GBG, GB4	92	N9A		01.1990->02.1993		250-24197	
2.0i	GBG, GB4	85	N4A<TL20EFI>	3 Wire Sensor	01.1987->12.1990		250-23819	
	GBG, GB4	85	N4A<TL20EFI>	4 Wire Sensor	01.1987->12.1990		250-24197	
	GBG, GB4	88	N9C		01.1990->01.1993		250-24552	
	GBG, GB4	92	N9A		01.1990->02.1993		250-24197	
2.0i DOHC	GBG, GB4	85	N9E		12.1991->01.1993		250-24552	
2.0i CAT	GBG, GB4	74	N4B	3 Wire Sensor	01.1987->10.1991		250-23819	
	GBG, GB4	74	N4B	4 Wire Sensor	01.1987->10.1991		250-24197	
	GBG, GB4	74	N4B		11.1991->02.1993		250-24016	
2.9 4x4	GBG, GB4	107	B4B,B4C		08.1988->11.1989		250-23819	
	GBG, GB4	107	B4B,B4C		11.1989->01.1993		250-23151	
	GBG, GB4	110	B4A		08.1988->11.1989		250-23819	
	GBG, GB4	110	B4A		11.1989->01.1993		250-23151	
2.9i	GBG, GB4	107	B4B,B4C		08.1988->11.1989		250-23819	
	GBG, GB4	107	B4B,B4C		11.1989->01.1993		250-23151	
	GBG, GB4	110	B4C		08.1988->11.1989		250-23819	
	GBG, GB4	110	B4C		11.1989->01.1993		250-23151	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
SIERRA ESTATE								
1.6	BNG	53	LSF		01.1988->01.1990		250-24197	
	BNG	53	LSF		01.1990->01.1993		250-24552	
1.6i	BNG	59	L6B		10.1988->01.1990		250-24197	
	BNG	59	L6B		01.1990->12.1992		250-24552	
1.8	BNG	64	R6A		04.1992->01.1993		250-24016	
2.0	BNC	85	NR2		10.1985->12.1986		250-23819	
2.0 4x4	BNG	88	N9C		02.1990->01.1993		250-24552	
	BNG	92	N9A		05.1989->01.1990		250-24197	
	BNG	92	N9A		01.1990->01.1993		250-24552	
2.0i	BNG	85	N4A	3 Wire Sensor	01.1987->12.1990		250-23819	
	BNG	85	N4A	4 Wire Sensor	01.1987->12.1990		250-24197	
	BNG	88	N9C		05.1989->12.1989		250-24197	
	BNG	88	N9C		01.1990->02.1993		250-24552	
	BNG	92	N9C		05.1989->12.1989		250-24197	
	BNG	92	N9C		01.1990->02.1993		250-24552	
2.0i DOHC	BNG	85	N9E		12.1991->01.1993		250-24552	
2.0i CAT	BNG	74	N4B		01.1987->11.1991		250-23819	
	BNG	74	N4B		01.1987->10.1991		250-24197	
	BNG	74	N4B		11.1991->02.1993		250-24016	
2.9	BNG	107	B4B,B4C		08.1988->11.1989		250-23819	
	BNG	107	B4B,B4C		12.1989->02.1993		250-23151	
2.9 4x4	BNG	107	B4B,B4C		08.1988->11.1989		250-23819	
	BNG	107	B4B,B4C		12.1989->02.1993		250-23151	
	BNG	110	B4B,B4C		08.1988->11.1989		250-23819	
	BNG	110	B4B,B4C		12.1989->02.1993		250-23151	
2.9i	BNG	110	B4C		08.1988->11.1989		250-23819	
	BNG	110	B4C		11.1989->02.1993		250-23151	
SIERRA HATCHBACK								
1.6	GBC, GBG	53	LSF		01.1988->01.1990		250-24197	
	GBC, GBG	53	LSF		01.1990->01.1993		250-24552	
1.6i	GBC, GBG	59	L6B		10.1989->01.1990		250-24197	
	GBC, GBG	59	L6B		01.1990->12.1992		250-24552	
1.8	GBC, GBG	64	R6A		04.1992->01.1993		250-24016	
2.0	GBC	74	NRD		10.1985->12.1986		250-23819	
2.0 4x4	GBC, GBG	88	N9A,N9C		10.1991->03.1993		250-24552	
2.0i	GBC	85	NR2		10.1985->12.1986		250-23819	
	GBC, GBG	85	N4A<TL20EFI>	3 Wire Sensor	01.1987->12.1990		250-23819	
	GBC, GBG	85	N4A<TL20EFI>	4 Wire Sensor	01.1987->12.1990		250-24197	
	GBC, GBG	88	N9C		01.1990->01.1993		250-24552	
	GBC, GBG	92	N9A		06.1989->01.1990		250-24197	
	GBC, GBG	92	N9A		01.1990->01.1993		250-24552	
2.0i DOHC	GBC, GBG	85	N9E		12.1991->01.1993		250-24552	
2.0i CAT	GBC, GBG	74	N4B	3 Wire Sensor	01.1987->10.1991		250-23819	
	GBC, GBG	74	N4B	4 Wire Sensor	01.1987->10.1991		250-24197	
	GBC, GBG	74	N4B		11.1991->02.1993		250-24016	
2.9i	GBC, GBG	107	B4B		08.1988->11.1989		250-23819	
	GBC, GBG	107	B4B		11.1989->01.1993		250-23151	
2.9i XR 4x4	GBC, GBG	107	B4B,B4C		08.1988->11.1989		250-23819	
	GBC, GBG	107	B4B		11.1989->02.1993		250-23151	
	GBC, GBG	110	B4A		08.1988->11.1989		250-23819	
	GBC, GBG	110	B4A		11.1989->01.1993		250-23151	
S-MAX								
2.0		107	AOWB,AOWA		05.2006->up		250-24701	250-24976
2.0 EcoBoost		149	TNWA		03.2010->up			250-24976
		176	TPWA		07.2010->up			250-24976
2.0 Flexifuel		107	TBWA,TBWB		05.2006->up		250-24701	250-24976
2.0i 16V		107	2.0 DURATEC HE(145-AODA/B)		05.2006->up		250-24701	250-24976
2.3		118	SEWA		07.2007->up		250-24701	250-24976
		118	2.3 DURATEC HE(C23HDEX)		03.2007->up		250-24701	250-24976
2.5i Turbo		162	2.5 DURATEC(220)		04.2006->up		250-25005	250-24409
STREET KA								
1.6		70	CDA,CDB,CDC		05.2003->07.2005		250-24001	250-24001
1.6i		70	CDA/B/C(BL16EFI)		11.2002->up		250-24001	250-24001
TOURNEO CONNECT								
1.8 16V		85	EYPA		11.2001->06.2006		250-24001	250-24001
		85	EYPA(ZH18 115)		05.2002->06.2006		250-24001	250-24001
TRANSIT								
2.3		103	E5FC(145)		01.2000->up		250-24001	250-24001
TRANSIT BOX								
2.0	E_ _	84	NSF,NSG		09.1994->12.1999		250-24283	
2.0i	E_ _	72	NCA		09.1991->06.1994		250-24016	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
FORD (cont'd)								
TRANSIT BOX (cont'd)								
2.3 16V [RWD]	FA_ _	107	E5FA		04.2001->05.2006		250-24701	
TRANSIT BUS								
2.0	E_ _	84	NSG		09.1995->12.1999		250-24283	
	T_ _	57	N6T		10.1998->07.1991		250-23819	
2.0i	E_ _	72	NCA		09.1991->07.1994		250-24016	
2.3 16V [RWD]	FD, FB, FS	107	E5FA		08.2000->05.2006		250-24701	250-24001
	FZ, FC	107	E5FA		08.2000->05.2006		250-24701	250-24001
2.9i	E_ _	107	BRT		08.1991->10.1992		250-23151	
	E_ _	107	BRT		10.1992->08.1994		250-24016	
TRANSIT CONNECT								
1.8 16V	P65, P70, P80	85	EYPA		06.2002->06.2006		250-24001	250-24001
	P65, P70, P80	85	EYPA(ZH18 115)		05.2002->06.2006		250-24001	250-24001
TRANSIT FLATBED/CHASSIS								
2.0	E_ _	72	NCA		09.1991->08.1994		250-24016	
	E_ _	84	NSF,NSG		09.1994->12.1999		250-24283	
	T_ _	57	N6T		10.1988->07.1991		250-23819	
2.3	FM_ _ FN_ _	107	E5FA(145)		01.2000->up		250-24701	250-24001
2.3 16V	FM_ _ FN_ _	107	E5FA		04.2001->05.2006		250-24701	250-24001
FORD USA								
AEROSTAR								
3.0i V6		108	U		03.1989->09.1991		250-23002	
		108	U		09.1993->08.1995		250-24001	
4.0i V6 4WD		115	X		09.1990->08.1993		250-24127	
		115	X		01.1996->12.1997		250-24001	250-24127
BRONCO II								
2.9 i V6 4x4		104	T		08.1989->08.1990		250-23002	
EXPLORER								
4.0 V6 Allrad	U2	115			03.1995->08.1996	Left	250-24001	●250-24001
	U2	115			03.1995->08.1996	Right	250-24001	
	U2	121			01.1993->11.1994		250-24127	
	U2	150			10.1998->08.2000	Left	250-24701	●250-24001
	U2	150			10.1998->08.2000	Right	250-24701	
4.0 V6 Allrad	U2	152			05.1998->09.1998	Left	250-24001	●250-24001
	U2	152			05.1998->09.1998	Right	250-24001	
	U2	152			10.1998->08.2000	Left	250-24701	●250-24001
	U2	152			10.1998->08.2000	Right	250-24701	
FAIRMONT KOMBI								
3.9 Efi	EB	120	BTS		07.1991->04.1992			250-24966
PROBE II								
2.5 V6 24V	ECP	119	KL		10.1995->03.1998		250-24067	250-24067
	ECP	120	KL		07.1997->03.1998	Front	250-23084	250-24627
	ECP	120	KL		07.1997->03.1998	Rear	250-23084	250-24627
WINDSTAR								
3.0 V6	A3	109	U		03.1995->02.1999	Front	250-24001	250-24001
	A3	109	U		03.1995->02.1999	Rear	250-24001	250-24001
HONDA								
ACCORD								
1.6i	CG, CK	85	D16B6		10.1998->12.2002		250-24766	250-24758
1.6 LS	CG, CK	79	D16B7		10.1998->12.2002		250-24766	250-24758
1.8i	CG, CK	100	F18B2		10.1998->09.1999		250-24011	
	CG, CK	100	F18B2		09.1999->12.2002		250-24473	250-24343
1.9i	CE, CF	85	F18A3		02.1996->10.1998		250-24621	
2.0	CL_ , CM_	114	K20A		02.2003->up		250-54022	250-24476
2.0 EX	CA4, CA5	75,76	A20A1		10.1987->12.1989		250-21000	
2.0 16V	CB3, CB7	81	F20A4		01.1990->03.1993		250-24400	
2.0i 16V	CB3, CB7	98	F20A4	Fr. Ch. No. 0C032707	01.1990->08.1990		250-24621	
	CB3, CB7	98	F20A4,F20A8		09.1991->03.1993		250-24011	
2.0 EX	CA4, CA5	78	A20A2		10.1987->05.1989		250-21000	
2.0i	CC7	85	F20Z2		03.1993->01.1996		250-24621	
	CG, CK	108	F20B6		10.1998->01.2001		250-54055	250-24343
2.0i S	CC7	96	F20Z1		03.1993->01.1996		250-24621	
2.0i LS	CE, CF	96	F20Z1		02.1996->10.1998		250-24621	
2.2i VTEC	CE, CF	110	F22Z2		02.1996->10.1998		250-24011	
2.2i 16V	CB3, CB7	110	F22A3		01.1990->03.1993		250-24011	
2.2i 16V Automatic	CB3, CB7	108	F22A3		01.1990->03.1993		250-24011	
2.2 Type-R	CG, CK	156	H22A7		09.1999->12.2002		250-24473	250-24343
2.3	CG, CK	113	F23Z5		01.2001->12.2002		250-24473	250-24343



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
HONDA (cont'd)								
ACCORD (cont'd)								
2.4	CL_ CM_	140	K24A		02.2003->up		250-54022	250-24476
ACCORD AERODECK								
2.0 EX	CA5	75	A20A1		10.1987->12.1989		250-21000	
2.0i 16V	CB8	98	F20Z3		03.1993->08.1993		250-24621	
2.0i LS 16V	CE	100	F20B3		09.1993->02.1998		250-24011	
2.2i 16V	CB8	108	F22A8, F22A7		01.1991->12.1993		250-24011	
2.2i ES	CE	110	F22B5		09.1993->02.1998		250-24011	
ACCORD IV COUPE								
2.0	CD7, CD9	100	F20B3		09.1993->12.1997		250-24011	
2.0i 16V	CC1	98	F20A7		01.1992->08.1993		250-24011	
2.2i ES	CD7, CD9	110	F22B5		09.1993->02.1998		250-24011	
2.0i 16V	CG	108	F20B5		02.1998->09.1999		250-24011	
	CG	108	F20B5		09.1999->06.2002		250-24578	250-24601
3.0 V6 24V	CG	147	J30A1		02.1998->09.2000		250-24099	250-24601
	CG	147	J30A1		09.2000->06.2002		250-24308	250-24601
ACCORD VII HATCHBACK								
1.6	CH	85	D16B6		12.1999->12.2002		250-24766	250-24758
1.8i	CH	100	F18B2, F18B4		12.1999->12.2002		250-24473	250-24343
2.0	CH	108	F20B6		12.1999->12.2002		250-54055	250-24343
2.3	CH	113	F23Z5		11.2000->12.2002		250-24473	250-24343
ACCORD TOURER								
2.0	CM_	114	K20A		04.2003->up		250-54022	250-24476
2.4	CM_	140	K24A		04.2003->up		250-54022	250-24476
ACCORD VIII								
2.2 i-DTEC	CU	110	N22B1		07.2008->up		250-54093	
	CU	132	N22B2		07.2008->up		250-54093	
2.4 i VTEC	CU	148	K24Z3		07.2008->up		250-54038	250-24833
ACCORD VIII KOMBI								
2.2 i-DTEC		110	N22B1		07.2008->up		250-54093	
		132	N22B2		07.2008->up		250-54093	
2.4 i VTEC		148	K24Z3		07.2008->up		250-54038	250-24833
CIVIC								
1.3	FD_	70	LDA2		01.2006->up		250-54040	250-24798
1.3 IMA		61	LDA1	Integrated Motor Assist	01.2004->09.2005		250-54014	250-24446
1.4i IMA		63			07.2003->01.2004		250-54014	
1.4		66	D14Z5		09.2001->09.2005		250-24446	250-24121
1.4i	EJ9, EK3/4	66	D14A4, D14Z2		11.1995->02.2001		250-21031	
1.5 GTI		66	EW4		03.1986->10.1987		250-21009	
1.5i	EJ9, EK3/4	84	D15Z6		11.1995->02.2001		250-21031	
1.5i 16V	EG, EH	69	D15Z1		10.1991->09.1995		250-25055	
1.6		81	D16W7		09.2001->09.2005		250-24446	250-24121
1.6 16V VTEC	EG, EH	92	D16Z6		10.1991->09.1995	Left	250-24099	
	EG, EH	92	D16Z6		10.1991->09.1995	Right	250-24099	
1.6 VTi	EG, EH	118	B16A2		10.1991->09.1995		250-24011	
1.6 VTi	EJ9, EK3/4	118	B16A2		11.1995->02.2001		250-24011	
1.6i VTEC	EJ9, EK3/4	92	D16Y8		11.1995->02.2001		250-24099	
1.8	FD_	103	R18A1		09.2005->up		250-54041	250-24786
CIVIC AERODECK								
1.4 16V		55	D14A7		04.1998->02.2001	Left	250-24099	
		55	D14A7		04.1998->02.2001	Right	250-24099	
1.4 16V		66	D14A8		04.1998->09.1998	Left	250-24099	
		66	D14A8		04.1998->09.1998	Right	250-24099	
1.5 16V		84	D15Z8		04.1998->02.2001		250-24099	
1.6 16V		85	D16B2, D16W3, D16W4		04.1998->02.2001		250-24099	
1.8 16V		124	B18C4		04.1998->09.1998		250-24473	
		124	B18C4		09.1998->02.2001		250-24011	
CIVIC COUPE								
1.5i LSi	EJ	74	D15B7		01.1994->11.1995		250-24099	
1.6i	EJ6, EJ8	77	D16Y7		03.1996->03.2000		250-24099	
1.6i VTEC	EJ	92	D16Z9		01.1994->09.1995		250-24099	
	EJ6, EJ8	92	D16Y8		03.1996->03.2000		250-24099	
1.7i	EM	88	D17A8		05.2001->12.2005		250-24429	250-24121
1.7i VTEC	EM	92	D17A9		05.2001->12.2005		250-24429	250-24121
CIVIC FASTBACK								
1.4 16V	MB	55	D14A7		01.1997->09.1998		250-24099	
	MB	66	D14A8		01.1997->09.1998		250-24099	
1.4i	MA, MB	55, 66	D14A5, D14A2		09.1995->06.1996		250-24099	
1.5 16V	MB	84	D15Z8		01.1997->02.2001		250-24099	
1.5i VTEC-E	MA, MB	66	D15Z3		01.1995->06.1995		250-25055	



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HONDA (cont'd)								
CIVIC FASTBACK (cont'd)								
1.6 16V	MB	85	D16B2		01.1997->09.1998		250-24099	
1.6 VTi	MB	118	B16A-155		01.1997->02.2001		250-24011	
1.6i	MA, MB	83	D16Y3		01.1995->01.1997		250-24099	
1.6i VTEC	MA, MB	93	D16Y2		07.1995->06.1996		250-24099	
1.8 16V	MB	124	D18C4		01.1997->08.1998		250-24473	
1.8 16V	MB	124	D18C4		09.1998->02.2001		250-24011	
CIVIC HATCHBACK								
1.3 16V	EC, ED, EE	55	D13B2		09.1989->09.1991		250-21009	
	EG	55	D13B2		10.1991->09.1995		250-21000	
1.4	FD_	61	L13A7		01.2006->up		250-54041	250-24786
1.4i	EJ9, EK1/3/4	55	D14Z1,D14A3	To Ch. No. 1211414	11.1995->02.2001		250-21031	
1.4iS	EJ9, EK1/3/4	66	D14A4,D14Z2	To Ch. No. 1211414	11.1995->10.1998		250-21031	
	EU_ EP_	66	D14Z5,D14Z6		04.2001->09.2005		250-24429	250-24121
1.5 GTi	AL, AJ, AG, AH	66	EW4		03.1986->10.1987		250-21009	
1.5i	EJ9, EK1/3/4	84	D15Z6		11.1995->02.2001		250-21031	
1.5i 16V	EC, ED, EE	66	D15B1		10.1988->09.1991		250-21009	
	EC, ED, EE	69	D15B2		10.1988->09.1991		250-21009	
	EG	66	D15B2,D15Z2		10.1991->09.1995		250-21000	
	EG	69	D15Z1		10.1991->09.1995		250-25055	
1.6 VTi	EJ9, EK1/3/4	118	B16A2		11.1995->02.2001		250-24011	
1.6 VTi 16V	EG	118	B16A2		10.1991->09.1995		250-24011	
1.6 16V VTEC	EG	92	D16Z6		10.1991->09.1995	Left	250-24099	
	EG	92	D16Z6		10.1991->09.1995	Right	250-24099	
	EG	92	D16Z7		10.1991->06.1993	Left	250-24099	
	EG	92	D16Z7		10.1991->06.1993	Right	250-24099	
1.6i	EU_ EP_	81	D16V1,D16W7		04.2001->09.2005		250-24429	250-24121
	EJ9, EK1/3/4	84	D16Y5		11.1995->02.2001		250-24099	
1.6i 16V	EC, ED, EE	80	D16A6		10.1987->09.1991		250-21009	
	EC, ED, EE	81	D16Z2		10.1987->09.1991		250-21009	
	EC, ED, EE	96	D16A9		09.1987->09.1991		250-21009	
1.6i 16V Vtec	EC, ED, EE	110	B16A1		10.1989->09.1991		250-21000	
1.8	FD_	103	R18A2		01.2006->up		250-54041	250-24786
2.0i Sport	EU_ EP_	118	K20A3	RH Drive	01.2004->09.2005		250-54046	250-24446
	EU_ EP_	118	K20A3		01.2004->09.2004		250-54076	250-24763
2.0 Type-R	EU_ EP_	147	K20A2		09.2001->09.2005		250-24473	250-24756
CIVIC SALOON								
1.3 IMA	ES	61	LDA1-MF3		01.2004->09.2005		250-54014	
1.4 (ES4)	ES	66	LDA1-MF3	Fr.Con. 07.2003, To Con. 01.2004	12.2000->09.2005		250-54014	
1.4 L	ED	66	D14A1		10.1987->12.1989		250-21000	
1.5i 16V	ED	66	D15B1		10.1987->09.1991		250-21009	
	ED	69	D15B2		10.1987->09.1991		250-21009	
1.6i 16V	ED	80	D16A6		11.1987->09.1991		250-21009	
	ED	81	D16Z2		10.1987->09.1991		250-21009	
	ED	96	D16A7		09.1987->09.1991		250-21009	
1.6i 16V 4x4	ED	80	D16A6		10.1989->09.1991		250-21009	
CIVIC SHUTTLE								
1.5i 16V	EE	69	D15B2		01.1988->11.1991	Left	250-21009	
	EE	69	D15B2		01.1988->11.1991	Right	250-21009	
1.6 4x4	EE	85	D16A7		01.1988->08.1991	Left	250-21009	
	EE	85	D16A7		01.1988->08.1991	Right	250-21009	
1.6i 16V 4WD	EE	80	D16A6		01.1988->12.1989	Left	250-21009	
	EE	80	D16A6		01.1988->12.1989	Right	250-21009	
	EE	81	D16A6		01.1988->02.1995	Left	250-21009	
	EE	81	D16A6		01.1988->02.1995	Right	250-21009	
CONCERTO								
1.5i 16V	HW	66	D15B2		10.1989->03.1995		250-21009	
	HWW	66	D15B2		08.1989->05.1995		250-21009	
1.6	HW	96	D16A9		10.1989->10.1992		250-21009	
	HWW	96	D16A9		10.1989->10.1992		250-21009	
1.6i 16V	HW	82	D16Z2		08.1989->03.1995		250-21009	
	HWW	82	D16Z2		07.1990->08.1994		250-21009	
	HWW	82	D16Z2		09.1991->08.1993		250-21009	
	HWW	90	D16A8		07.1990->09.1994		250-21009	
CR-V								
2.0	RD_	110	K20A4		07.2002->09.2004		250-24473	250-24446
	RD_	110	K20A4		09.2004->09.2006		250-54046	250-24398
2.0 16V	RD	94	B20B,B20Z		01.1997->09.1998		250-24602	
	RD	94	B20B,B20Z		09.1998->01.1999		250-24011	
	RD	108	B20B		01.1999->02.2002		250-24011	
	RD	108	B20Z1		01.1999->02.2002		250-24011	
	RD	108	B20Z3		01.1999->02.2002		250-24011	
2.0i-VTEC		110	R20A2		01.2007->up		250-54041	250-24786



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HONDA (cont'd)								
CR-V III								
2.2 i-DTEC 4WD	RE	110	N22B3		01.2007->up		250-54093	
CRX								
1.6i 16V	ED, EE	79	D16A6		10.1987->05.1988		250-21009	
	ED, EE	91	D16Z5		10.1987->02.1992		250-21009	
	ED, EE	96	D16A8, D16A9		10.1987->12.1989		250-21009	
1.6i 16V Vtec	ED, EE	110	B16A1		10.1989->02.1992		250-21000	
1.6 ESi	EH, EG	92	D16Y8, D16Z6		03.1992->06.1995		250-24099	
1.6i VTi	EH, EG	118	B16A2		03.1992->09.1995		250-24011	
	EH, EG	118	B16A2		09.1995->12.1998		250-24099	
FIT III								
1.2	GE	66	L12B1, L12B2		07.2008->up		250-54038	250-24856
1.4 i	GE	73	L13Z1, L13Z2		07.2008->up		250-54038	250-24856
FR-V								
1.7	BE	92	D17A2		02.2005->up		250-24429	250-24121
2.0	BE	110	K20A9		02.2005->01.2007		250-54045	250-24754
HR-V								
1.6 16V	GH	77	D16W1		03.1999->09.2001		250-24099	
	GH	77	D16W1		09.2001->09.2002		250-24308	
1.6 16V 4WD	GH	77	D16W1		03.1999->09.2001		250-24099	
	GH	77	D16W1		09.2001->09.2002		250-24308	
	GH	91	D16W5		10.1999->09.2001		250-24099	
INSIGHT								
1.0 Hybrid	ZE	56	ECA1		09.2003->12.2006		250-25055	
INTEGRA COUPE								
1.8 Type-R	DC2, DC4	140	B18C6		11.1997->10.2001		250-24011	
JAZZ								
1.2	GD	57	L12A1		03.2002->09.2002		250-24761	250-24759
	GD	57	L12A1		09.2002->up		250-24760	250-24757
1.2i-VTEC		66			10.2008->up		250-54038	250-24856
1.4	GD	61	L13A1		03.2002->09.2002		250-24761	250-24759
	GD	61	L13A1		09.2002->07.2008		250-24760	250-24757
1.4i-VTEC		73			10.2008->up		250-54038	250-24856
LEGEND								
2.5i	HS, KA	110	C25A1		01.1986->12.1987		250-21000	
2.7i 24V	HS, KA	124	C27A1, C27A2		01.1988->12.1990	Left	250-21009	
	HS, KA	124	C27A1, C27A2		01.1988->12.1990	Right	250-21009	
	KA3	124	C27A1, C27A2		10.1987->12.1990	Left	250-21009	
	KA3	124	C27A1, C27A2		10.1987->12.1990	Right	250-21009	
3.2i 24V	KA7	151	C32A2		01.1991->02.1996	Left	250-24093	
	KA7	151	C32A2		01.1991->02.1996	Right	250-24093	
	KA8	151	C32A2		01.1991->02.1996	Left	250-24093	
	KA8	151	C32A2		01.1991->02.1996	Right	250-24093	
3.5 V6 AWD	KA9	217	J35		09.2006->up	Left	250-25001	250-24346
	KA9	217	J35		09.2006->up	Right	250-25001	250-24391
3.5i 24V	KA9	151	C35A2		03.1996->06.1997	Left	250-24093	
	KA9	151	C35A2		03.1996->06.1997	Right	250-24093	
LOGO								
1.3	GA3	48	D13B7		09.1999->03.2002		250-24099	250-24601
NSX CABRIOLET								
3.0 24V VTEC	NA	201	C30A3	w/ CAT.	03.1995->09.1996	Left	250-24093	250-24121
	NA	201	C30A3	w/ CAT.	03.1995->09.1996	Right	250-24093	250-24099
3.0 24V VTEC Automatic	NA	188	C30A4	w/o CAT	09.1999->06.2001	Left	250-24391	250-24121
	NA	188	C30A4	w/o CAT	09.1999->06.2001	Right	250-24391	250-24099
	NA	188	C30A4	w/ CAT.	09.1996->06.2001	Left	250-24093	250-24121
	NA	188	C30A4	w/ CAT.	09.1996->06.2001	Right	250-24093	250-24099
3.2 24V VTEC	NA	206	C32B2		07.1997->09.1999	Left	250-24441	250-24121
	NA	206	C32B2		07.1997->09.1999	Right	250-24441	250-24099
	NA	206	C32B2		09.1999->06.2001	Left	250-24348	250-24121
	NA	206	C32B2		09.1999->06.2001	Right	250-24347	250-24099
NSX COUPE								
3.0 24V VTEC	NA	201	C30A3		06.1990->09.1998	Left	250-24093	250-24121
	NA	201	C30A3		06.1990->09.1998	Right	250-24093	250-24099
3.0 24V VTEC Automatic	NA	188	C30A4	w/o CAT	09.1999->06.2001	Left	250-24391	250-24121
	NA	188	C30A4	w/o CAT	09.1999->06.2001	Right	250-24391	250-24099
	NA	188	C30A4	w/ CAT.	09.1996->06.2001	Left	250-24093	250-24121
	NA	188	C30A4	w/ CAT.	09.1996->06.2001	Right	250-24093	250-24099



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HONDA (cont'd)								
NSX CABRIOLET (cont'd)								
3.2 24V VTEC	NA	206	C32B2		07.1997->09.1999	Left	250-24441	250-24121
	NA	206	C32B2		07.1997->09.1999	Right	250-24441	250-24099
	NA	206	C32B2		09.1999->06.2001	Left	250-24348	250-24121
	NA	206	C32B2		09.1999->06.2001	Right	250-24347	250-24099
PRELUDE								
1.8 EX	AB	74	ET3,ET4		11.1985->04.1987		250-21009	
2.0	BA	84	B20A3,B20A4		08.1987->01.1992		250-21009	
2.0 16V	BB	98	F20A4		10.1996->10.2000		250-24620	
2.0 EX	BA	80	B20A3		04.1987->01.1992		250-21009	
2.0i EX 16V	BA	101	B20A1		04.1986->12.1987		250-21000	
	BA	110	B20A3		09.1988->12.1990		250-21009	
	BA	101	B20A5		09.1989->09.1989		250-24011	
2.0i EX 16V	BA	110	B20A7		10.1987->09.1989	Left	250-21009	
	BA	110	B20A7		10.1987->09.1989	Right	250-21009	
	BA	110	B20A7		09.1989->12.1990		250-24011	
	BA	103	B20A9		04.1990->09.1991		250-24011	
2.0i 16V	BB	98	F20A4		02.1992->09.1992		250-24621	
2.2 16V	BB	136	H22A5		10.1996->10.2000		250-24121	
	BB	147	H22A5		10.1996->09.1998		250-24121	
	BB	147	H22A5		09.1998->10.2000		250-24343	
2.2i 16V Vtec	BB	136	H22A2		02.1993->09.1996		250-24011	
2.3i 16V	BB	118	H23A2		02.1992->09.1995		250-24011	
S2000								
2.0	AP	177	F20CVTEC		04.1999->09.2004		250-24784	
	AP	177	F20CVTEC		05.2004->06.2009		250-54056	250-24764
SHUTTLE								
2.2 16V	RA	110	F22B8,F23A7		10.1994->06.2002		250-24011	
STREAM								
1.7 16V	RN	92	D17A2		05.2001->up		250-24429	250-24121
2.0 16V	RN	115	K20A		05.2001->up		250-24473	250-24756
HSV								
GTS								
6.2 i V8	VE	317			04.2008->10.2010			250-241017
HYUNDAI								
ACCENT								
1.3	LC	55,63	G4EH		01.2000->01.2003		250-24349	250-24349
	LC	62	G4EA,G4ED		02.2003->up		250-24349	250-24349
	X-3	44	G4EH		10.1999->01.2000		250-24349	250-24349
	X-3	44	G4EH62		10.1994->02.1997		250-23129	250-23165
1.3	X-3	55	G4EH		10.1994->02.1997		250-23129	
	X-3	55	G4EH		02.1997->09.1999		250-23165	
1.3i 12V	X-3	62	G4EH		10.1994->02.1997		250-23129	
	X-3	62	G4EH		02.1997->09.1999		250-23165	
1.4 GL	MC	71	G4EE		03.2006->up		250-24349	250-24349
1.5	LC	66	G4EK		01.2000->01.2003		250-24349	250-24349
	LC	75	G4FK		09.2000->01.2003		250-24349	250-24349
1.5 CRDi GLS	MC	81	D3-EA81		12.2005->up			800-95017
1.5i 12V	X-3	65	G4EK		10.1994->02.1997		250-23129	
	X-3	65	G4EK		02.1997->09.1999		250-23165	
1.5i 16V	X-3	73	G4FK		05.1996->12.1996		250-24584	
	X-3	73	G4FK		12.1996->08.1997		250-24593	
	X-3	73	G4FK		08.1997->09.1999		250-23165	
1.6	LC	77	G4ED		02.2003->up		250-24349	250-24349
1.6 GLS	MC	82	G4EB		12.2005->up		250-24349	250-24349
ACCENT SALOON								
1.3	LC	55	G4EH		01.2000->01.2003		250-24349	250-24349
	LC	63	G4EH		01.2000->01.2003		250-24349	250-24349
	X-3	44	G4EH		10.1994->02.1997		250-23129	
	X-3	44	G4EH		02.1997->09.1999		250-23165	
	X-3	55	G4EH		10.1994->02.1997		250-23129	
	X-3	55	G4EH		02.1997->09.1999		250-23165	
1.3i 12V	X-3	62	G4EH		10.1994->02.1997		250-23129	
	X-3	62	G4EH		02.1997->01.2000		250-23165	
1.4 GL	MC	71	G4EE		03.2006->up		250-24349	
1.5	LC	66	G4EK,G4FK		01.2000->01.2003		250-24349	250-24349
1.5 CRDi GLS	MC	81	D3EA81		12.2005->up			800-95017
1.5i 12V	X-3	65	G4EK		10.1994->02.1997		250-23129	
	X-3	65	G4EK		02.1997->09.1999		250-23165	
	X-3	73	G4FK		08.1997->09.1999		250-23165	



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HYUNDAI (cont'd)								
ACCENT SALOON (cont'd)								
1.5i 12V	X-3	73	G4FK		10.1995->12.1996		250-24584	
	X-3	73	G4FK		12.1996->08.1997		250-24593	
1.6	LC	77	G4ED		02.2003->up		250-24349	250-24349
1.6 GLS	MC	82	G4EB		12.2005->up		250-24349	250-24349
ATOS								
1.0i	MX	40	G4HC		02.1998->08.2000		250-21066	
	MX	40	G4HC		08.2000->06.2001		250-24780	250-24779
	MX	40	G4HC(E6)		08.2000->06.2001		250-24383	
	MX	43	G4HC-E		07.2001->06.2004		250-24780	250-24779
1.1	MX	43	G4HD		07.2004->05.2005		250-24780	250-24779
ATOS PRIME								
1.0i	MX	40	G4HC		12.1999->06.2001		250-21066	
	MX	40	G4HC	Euro 3 (D3), Euro 4 (D4)	08.2000->07.2001		250-24780	250-24779
	MX	40	G4HC(E6)		08.2000->07.2001		250-24383	
	MX	43	G4HC-E		07.2001->up		250-24780	250-24779
1.1	MX	43	G4HD		07.2004->up		250-24780	250-24779
COUPE								
1.6 16V	GK	77	G4GRE		03.2002->up		250-24349	250-24349
	GK	79	G4GRE2		01.2004->up		250-24349	250-24349
	RD	85	G4GR		03.1998->05.2000		250-24593	
	RD	85	G4GR		05.2000->12.2001		250-24349	
1.6i 16V	RD	84	G4GR		To->12.1996		250-24584	
	RD	84	G4GR		12.1996->05.2000		250-24593	
	RD	84	G4GR		05.2000->12.2001		250-24349	
2.0	GK	102	G4GC-G		03.2002->02.2003		250-24438	250-24349
	GK	102	G4GF		03.2002->up		250-24438	250-24349
2.0 16V	RD	99	G4GF		03.2001->12.2001		250-24593	250-24356
	RD	102	G4GF		08.1996->12.1996		250-24584	
	RD	102	G4GF		12.1996->04.2002		250-24593	250-24356
	GK	105	G4GC-G		04.2003->up		250-24438	250-24349
2.7 V6	GK	123	G6BA-G	Euro 3 (D3), Euro 4 (D4)	03.2002->01.2003	Left	250-24517	250-24517
	GK	123	G6BA-G	Euro 3 (D3), Euro 4 (D4)	03.2002->01.2003	Right	250-24517	250-24518
	GK	123	G6BA-G	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Left	250-24461	250-24461
	GK	123	G6BA-G	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Right	250-24461	250-24783
2.7i	GK	123	G6BA-G-167		01.2002->06.2003	Left	250-24517	250-24517
	GK	123	G6BA-G-167		01.2002->06.2003	Right	250-24517	250-24518
	GK	123	G6BA-G-167		09.2004->up	Left	250-24461	250-24461
	GK	123	G6BA-G-167		09.2004->up	Right	250-24461	250-24783
ELANTRA								
1.6	XD	77	G4GRE		06.2003->01.2007		250-24349	250-24349
	XD	79	G4ED-G		06.2000->up		250-24349	250-24349
1.8	XD	97	G4GM		06.2000->up		250-24438	250-24349
2.0	XD	102	G4GC-G		06.2000->up		250-24438	250-24349
	XD	104	G4GC		06.2000->up		250-24438	250-24349
	XD	105	G4GCG		10.2003->up		250-24438	250-24349
ELANTRA SALOON								
1.6	XD	77	G4GRE		05.2003->up		250-24349	250-24349
	XD	79	G4ED-G		06.2000->05.2003		250-24349	250-24349
1.6 CVVT	HD	90			06.2006->06.2011		250-24982	
1.8	XD	97	G4GM		06.2000->up		250-24438	250-24349
2.0	XD	102	G4GC		06.2000->05.2003		250-24438	250-24349
	XD	104	G4GC		06.2000->05.2003		250-24438	250-24349
	XD	105	G4GCG		10.2003->up		250-24438	250-24349
EXCEL								
1.3		44	G4DGJA		07.1992->10.1994		250-21007	
1.5		57	G4DJJA		07.1992->10.1994		250-21007	
EXCEL SALOON								
1.3	X-2	49	G4DGJE		01.1990->10.1994		250-21007	
	X-2	49	G4DGJE	Swedish Application	07.1992->10.1994		250-24280	250-24289
1.5	X-2	53	G4DJJE		01.1990->01.1995		250-21007	
1.5i	X-2	61	G4DJJE		01.1990->01.1995		250-21007	
	X-2	61	G4DJJE	Swedish Application	07.1992->10.1994		250-24280	250-24289
	X-2	62	G4DJJE		01.1990->10.1994		250-21007	
	X-2	62	G4DJJE	Swedish Application	07.1992->10.1994		250-24280	250-24289
GETZ								
1.1	TB	46	G4HD		09.2002->08.2005		250-24849	250-24887
	TB	49	EPSILON66		09.2005->up		250-24849	250-24887
1.3	TB	60	G4EH		09.2002->03.2004		250-24349	250-24977
	TB	63	G4GCG		04.2004->08.2005		250-24349	250-24977
1.4	TB	71	G4EE		09.2005->up		250-24349	250-24977



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
HYUNDAI (cont'd)								
GETZ (cont'd)								
1.4i	TB	71	G4EE		09.2005->up		250-24349	250-24977
1.5 CRDi	TB	65	D3EA65		09.2005->up			800-95017
1.5 CRDi GLS	TB	81	D3EA81		09.2005->up			800-95017
1.6	TB	77	G4GRE		09.2002->up		250-24349	250-24977
1.6i 16V	TB	78	GAGRE78(106)		09.2005->up		250-24349	250-24977
GRANDEUR								
3.3	TG	173	G6DB		04.2005->up	Left	250-24690	250-24690
	TG	173	G6DB		04.2005->up	Right	250-24690	250-24707
H1 MINI BUS								
2.4i Auto 175 16V		128			07.2009->up		250-24916	
H1 VAN								
2.4i 175 16V		128			07.2009->up		250-24916	
H100 BUS								
2.4	P	84	G4CS		01.1997->02.1999		250-21007	
	P	90	G4CS		07.1993->03.2000		250-21007	
HIGHWAY VAN								
2.0 16V		100	G4DP		03.2000->02.2004		250-24422	250-24368
2.7 V6 24V		125	G6BA	Euro 3 (D3), Euro 4 (D4)	03.2000->01.2003	Left	250-24517	250-24517
		125	G6BA	Euro 3 (D3), Euro 4 (D4)	03.2000->01.2003	Right	250-24517	250-24518
		125	G6BA	Euro 3 (D3), Euro 4 (D4)	01.2003->02.2004	Left	250-24461	250-24461
		125	G6BA	Euro 3 (D3), Euro 4 (D4)	01.2003->02.2004	Right	250-24461	250-24783
2.7i		127	G6BA(172)		03.2000->01.2003	Left	250-24517	250-24517
		127	G6BA(172)		03.2000->01.2003	Right	250-24517	250-24518
I10								
1.1		48	G4HG		12.2007->up	Left	250-24779	
		48	G4HG		12.2007->up	Right	250-24779	
		48	L-EPSILON		12.2007->up	Left	250-24779	
		48	L-EPSILON		12.2007->up	Right	250-24779	
I30								
2.0		105	G4GCG-E4		12.2007->up		250-24349	
I30 CW ESTATE								
2.0		105	G4GC-G		02.2008->up		250-24349	
IX35								
Blue Drive 1.6GDI 135		99			04.2010->up			250-24982
2.0 CRDi	LM, EL, ELH	100			01.2010->up		250-25095	
2.0 CRDi 4WD	LM, EL, ELH	100			01.2010->up		250-25095	
2.0	LM, EL, ELH	120			01.2010->up		250-25065	250-24864
2.0 4WD	LM, EL, ELH	120			01.2010->up		250-25065	250-24864
2.0 CRDi 4WD	LM, EL, ELH	135			01.2010->up		250-25095	
IX55								
3.0CRDi Auto 4x4		176		On Particulate Filter	09.2008->up		250-25095	
LANTRA I								
1.5 i.e.	J-1	63	G4DJJE		10.1990->11.1995		250-21007	
1.6 i.e. 16V	J-1	78	G4CR		12.1990->05.1993		250-24091	
	J-1	78	G4CR		05.1993->05.1995		250-24280	250-24289
	J-1	84	G4CR		12.1990->05.1993		250-24091	
	J-1	84	G4CR		05.1993->05.1995		250-24280	250-24289
1.8 i.e. 16V	J-1	93	G4CN		06.1992->05.1993		250-24091	
	J-1	93	G4CN		05.1993->05.1995		250-24280	250-24289
	J-1	93	G4CN		05.1993->05.1995		250-24289	
LANTRA II								
1.5 12V	J-2	65	G4EK		To->12.1996		250-24584	
	J-2	65	G4EK		12.1996->04.1997		250-24593	
1.5 12V	J-2	65	G4EK		04.1997->07.2000		250-23165	
1.6 16V	J-2	84	G4GR		11.1995->12.1996		250-24584	
	J-2	84	G4GR		12.1996->07.2000		250-24593	
1.6i	J-2	66	G4GR		11.1995->04.1996		250-24584	
	J-2	66	G4GR		12.1996->07.2000		250-24593	
1.8 16V	J-2	94	G4GM		11.1995->12.1996		250-24584	
	J-2	94	G4GM		12.1996->07.2000		250-24593	
2.0 16V	J-2	102	G4GF		06.1997->07.2000		250-24593	
LANTRA II WAGON								
1.5 12V	J2	65	G4EK		To->04.1997		250-24593	
	J2	65	G4EK		04.1997->07.2000		250-23165	
1.6 16V	J2	84	G4GR		02.1996->12.1996		250-24584	
	J2	84	G4GR		12.1996->07.2000		250-24593	
1.6i	J2	66	G4GR		02.1996->12.1996		250-24584	
	J2	66	G4GR		12.1996->07.2000		250-24593	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
HYUNDAI (cont'd)								
LANTRA II WAGON (cont'd)								
1.8 16V	J2	94	G4GM		02.1996->12.1996		250-24584	
	J2	94	G4GM		12.1996->07.2000		250-24593	
2.0 16V	J2	102	G4GF		06.1997->07.2000		250-24593	
MATRIX								
1.5 CRDi	FC	60	D3-EA		11.2004->03.2005		800-95017	
1.6	FC	76	G4,G4D		06.2001->up		250-24349	250-24349
1.8	FC	90	G4G		06.2001->up		250-24438	250-24349
PONY								
1.3		44	G4DGJA		07.1992->10.1994		250-21007	
	X-2	43	G4DG		10.1989->07.1992		250-21000	
	X-2	43	G4DG		07.1992->10.1994		250-21007	
	X-2	49	G4DGJE		10.1989->10.1994		250-21007	
1.5		53	G4DJ		04.1989->09.1989		250-21007	
		57	G4DJJA		07.1992->10.1994		250-21007	
	X-2	53	G4DJ		10.1989->07.1994		250-21007	
1.5i	X-2	61	G4DJJE		10.1989->01.1995		250-21007	
	X-2	62	G4DJJE		10.1989->01.1995		250-21007	
PONY SALOON								
1.3	X-2	49	G4DGJE		01.1990->10.1994		250-21007	
	X-2	49	G4DGJE	Sweden	07.1992->10.1994		250-24280	250-24289
1.5	X-2	53	G4DJJE		01.1990->01.1995		250-21007	
1.5i	X-2	61	G4DJJE		01.1990->01.1995		250-21007	
	X-2	61	G4DJJE	Sweden	07.1992->10.1994		250-24280	250-24289
	X-2	62	G4DJJE		01.1990->10.1994		250-21007	
	X-2	62	G4DJJE	Sweden	07.1992->10.1994		250-24280	250-24289
S COUPE								
1.5i	SLC	62	G4DJ		02.1990->05.1996		250-21007	
	SLC	65	G4EK		06.1992->07.1993		250-23102	
	SLC	65	G4EK		07.1993->05.1996		250-23132	
1.5i Turbo	SLC	85	G4EK-TC		06.1992->07.1993		250-23102	
	SLC	85	G4EK-TC		07.1993->05.1996		250-23132	
SANTA FE								
2.0	SM	99	G4JP		08.2001->02.2006		250-24422	250-24368
2.0i	SM	100	G4JP		08.2000->02.2006		250-24422	250-24368
2.0 CRDi	CM	110			12.2010->up		250-25095	
2.0 CRDi 4x4	CM	110			12.2010->up		250-25095	
2.2 CRDi	CM	145			01.2009->up		250-25095	
2.2 CRDi 4x4	CM	145			01.2009->up		250-25095	
2.2 CRDi GLS	CM	110	D4EB		03.2006->10.2006			800-95017
2.2 CRDi GLS 4x4	CM	110	D4EB		03.2006->10.2006			800-95017
2.4 16V	SM	107	G4JS-G		02.2001->03.2006		250-24422	250-24368
2.4 16V 4x4	SM	107	G4JS-G		02.2001->02.2006		250-24422	250-24368
2.4i	SM	107	G4JS		08.2000->02.2006		250-24422	250-24368
2.4	CM	128			11.2010->up		250-25062	250-24878
2.4 4x4	CM	128			07.2010->up		250-25062	250-24878
2.7	SM	139	G8-EA		03.2006->up	Left	250-24461	250-24462
	SM	139	G8-EA		03.2006->up	Right	250-24461	250-24462
2.7 4x4	SM	139	G8-EA		03.2006->up	Left	250-24461	250-24462
	SM	139	G8-EA		03.2006->up	Right	250-24461	250-24462
2.7 V6 4x4	SM	127	DELTA27		02.2001->01.2003	Left	250-24517	250-24517
	SM	127	DELTA27		02.2001->01.2003	Right	250-24517	250-24518
	SM	127	G6BA-G		01.2003->02.2006	Left	250-24461	250-24461
	SM	127	G6BA-G		01.2003->02.2006	Right	250-24461	250-24783
2.7 V6 GLS	CM	139	G8EA		03.2006->up	Left	250-24461	250-24462
	CM	139	G8EA		03.2006->up	Right	250-24461	250-24462
2.7 V6 GLS 4x4	CM	139	G8EA		03.2006->up	Left	250-24461	250-24462
	CM	139	G8EA		03.2006->up	Right	250-24461	250-24462
SANTAMO								
2.0		77	I4-SOHC		10.1998->10.2002		250-22066	
2.0 16V		102	I4DOHC	96 EEC	05.1999->up		250-24422	
		102	I4DOHC		05.1999->up		250-24368	
2.0 16V 4x4		102	I4DOHC		05.1999->up		250-24422	
		102	I4DOHC	96 EEC	05.1999->up		250-24368	
2.0i		77	I4-SOHC		07.1998->up		250-22066	
		101	I4-DOHC		07.1998->up		250-24422	
2.0i 16V		101	I4-DOHC		07.1998->up		250-24422	
2.0i DLX		77	I4-SOHC		07.1998->up		250-22066	
SONATA I								
1.8i	Y-2	70	G4CM		09.1988->10.1993		250-21007	
2.0i	Y-2	74	G4CP		09.1988->08.1991		250-21007	
	Y-2	80	G4CP-U		01.1991->10.1993		250-21007	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
HYUNDAI (cont'd)								
SONATA I (cont'd)								
2.0i 16V	Y-2	96	G4CP-D		03.1991->06.1993		250-24091	
2.4i	Y-2	83	G4CS		09.1988->08.1991		250-21007	
2.7i		102	G6BA-E4		07.2001->01.2003		250-24517	250-241067
3.0i V6	Y-2	107	G6AT		01.1991->06.1993		250-24009	
SONATA II								
1.8i	Y-3	72	G4CM		08.1993->05.1996		250-22066	
	Y-3	72	G4CM		05.1996->06.1998		250-24368	
2.0i	Y-3	70	G4CP		08.1996->06.1998		250-24368	250-24383
	Y-3	77	G4CP		05.1996->08.1996		250-24368	250-24383
2.0i 16V	Y-3	92	G4CP-DM		06.1996->06.1998		250-24280	250-24383
	Y-3	102	G4CP-D		07.1993->06.1998		250-24280	250-24383
3.0i V6	Y-3	107	G6AT	A/T	05.1993->06.1998		250-24009	
	Y-3	107	G6AT	M/T	07.1993->06.1998		250-24280	
SONATA III								
1.8	Y-3	70	G4CM		08.1993->05.1996		250-22066	
2.0	Y-3	71	G4CP		08.1993->05.1996		250-22066	
2.0 16V	Y-3	71	G4CP		08.1993->05.1996		250-22066	
	EF	100	G4DP		09.1998->06.2001		250-24422	250-24368
2.4 16V	EF	105	G4DS		10.1998->06.2001		250-24422	250-24368
2.5 V6 24V	EF	118	G6AV		08.1998->06.2001	Left	250-24517	250-24517
	EF	118	G6AV		08.1998->06.2001	Right	250-24517	250-24518
SONATA IV								
2.0	EU4	96	G4DP		10.2001->11.2004		250-24422	250-24368
2.7 V6	EF	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	10.2001->01.2003	Left	250-24517	250-24517
	EF	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	10.2001->01.2003	Right	250-24517	250-24518
	EF	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	01.2003->11.2004	Left	250-24461	250-24461
	EF	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	01.2003->11.2004	Right	250-24461	250-24783
2.7i	EF	127	G6BA-G-173		07.2001->01.2003		250-24517	250-24517
	EF	127	G6BA-G-173		07.2001->01.2003		250-24517	250-24518
SONATA V								
2.4	NF	119	G4KC		03.2005->up		250-24688	250-24687
3.3	NF	171	G6DB		03.2005->up	Left	250-24690	250-24690
	NF	171	G6DB		03.2005->up	Right	250-24690	250-24707
TIBERON								
2.7i V6 24V		123	123		01.2002->09.2004			250-241067
TRAJET								
2.0	FO	100	G4DP		03.2000->02.2004		250-24422	250-24368
	FO	103	G4DP		01.2004->up		250-24438	250-24349
2.7 V6	FO	127	G6BA	Euro 3 (D3), Euro 4 (D4)	09.2000->01.2003	Left	250-24517	250-24517
	FO	127	G6BA	Euro 3 (D3), Euro 4 (D4)	09.2000->01.2003	Right	250-24517	250-24518
	FO	127	G6BA	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Left	250-24461	250-24461
	FO	127	G6BA	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Right	250-24461	250-24783
	FO	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	09.2000->01.2003	Left	250-24517	250-24517
	FO	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	09.2000->01.2003	Right	250-24517	250-24518
	FO	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Left	250-24461	250-24461
	FO	127	G6BA-G	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Right	250-24461	250-24783
2.7i	FO	127	G6BA(172)		01.2000->01.2003	Left	250-24517	250-24517
	FO	127	G6BA(172)		01.2000->01.2003	Right	250-24517	250-24518
	FO	127	G6BA-G-173		03.2004->up	Left	250-24461	250-24461
	FO	127	G6BA-G-173		03.2004->up	Right	250-24461	250-24783
TUCSON								
2.0	JM	104	G4GCG		08.2004->up		250-24438	250-24349
2.0 Allrad	JM	104	G4GCG		08.2004->up		250-24438	250-24349
2.0 CRDi	JM	83	D4EA		08.2004->up			800-95017
	JM	100	D4EA		09.2006->up			800-95017
	JM	103	D4EA-V		09.2006->up			800-95017
2.0 CRDi Allrad	JM	83	D4EA		08.2004->up			800-95017
	JM	103	D4EA-V,D4EA-F		09.2006->up			800-95017
2.7 Allrad	JM	129	G6BA		08.2004->up	Left	250-24461	250-24461
	JM	129	G6BA		08.2004->up	Right	250-24461	250-24783
	JM	129	G6BA-G		08.2004->up	Left	250-24461	250-24461
	JM	129	G6BA-G		08.2004->up	Right	250-24461	250-24783
XG								
2.5	XG	120	G6AV	Euro 3 (D3), Euro 4 (D4)	09.2002->01.2003	Left	250-24517	250-24517
	XG	120	G6AV	Euro 3 (D3), Euro 4 (D4)	09.2002->01.2003	Right	250-24517	250-24518
	XG	120	G6AV	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Left	250-24461	250-24461
	XG	120	G6AV	Euro 3 (D3), Euro 4 (D4)	01.2003->up	Right	250-24461	250-24783
	XG	120	G6BV	Euro 3 (D3), Euro 4 (D4)	01.1999->08.2002	Left	250-24517	250-24517
	XG	120	G6BV	Euro 3 (D3), Euro 4 (D4)	01.1999->08.2002	Right	250-24517	250-24518



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic	
HYUNDAI (cont'd)									
XG (cont'd)									
30/300		138	G6AT		01.1999->08.2002	Left	250-24422	250-24383	
		138	G6AT		01.1999->08.2002	Right	250-24422	250-24422	
		138	G6CT		11.2002->up	Left	250-24462	250-24658	
		138	G6CT		11.2002->up	Right	250-24462	250-24422	
350		145	G674		04.2003->up	Left	250-24462	250-24658	
		145	G674		04.2003->up	Right	250-24462	250-24422	
VERACRUZ									
3.0CRDi Auto 4x4		176		On Particulate Filter	09.2008->up		250-25095		
XG									
2.5i V6 24V		120			01.1999->08.2002			250-241067	
XG 25									
2.5i	XG	118	G6AV		09.2002->02.2006		250-24517	250-241067	
JAGUAR									
HKS									
4.0	HK	136	HK4.0	OE # 70415S40	01.1980->12.1981		250-21011		
	HK	136	HK4.0	OE # 7041T588	01.1980->12.1981		250-21015		
	HK	136	HK4.0	OE # 70423O71	01.1980->12.1981		250-21013		
	HK	136	HK4.0	OE # 7042L773	01.1983->12.1983		250-21011		
	HK	136	HK4.0	OE # 70427E11	01.1983->12.1983		250-21013		
	HK	136	HK4.0	OE # 704281N6	01.1983->12.1983		250-21015		
	HK	136	HK4.0	OE # 70430F99	01.1984->12.1984		250-21013		
	HK	136	HK4.0	OE # 7043R417	01.1984->12.1984		250-21011		
	4.2	HK	151	HK4.2	OE # 71447O89	01.1980->12.1981		250-21011	
		HK	151	HK4.2	OE # 714478M1	01.1980->12.1981		250-21015	
		HK	151	HK4.2	OE # 7144096W	01.1980->12.1981		250-21013	
		HK	151	HK4.2	OE # 71440L52	01.1983->12.1983		250-21011	
HK		151	HK4.2	OE # 7145K989	01.1983->12.1983		250-21013		
HK		151	HK4.2	OE # 7145K989	01.1983->12.1983		250-21015		
4.2	HK	151	HK4.2	OE # 71453E44	01.1984->12.1984		250-21013		
	HK	151	HK4.2	OE # 714537R2	01.1984->12.1984		250-21011		
S TYPE									
2.5 V6	CCX	147	AJ-V6	To Ch. No. M45254	04.2002->up	Left	250-24749	250-24001	
	CCX	147	AJ-V6	To Ch. No. M45254	04.2002->up	Right	250-24749	250-24001	
	CCX	147	AJ-V6	Fr. Ch. No. M69500, To Ch. No. N52047	04.2002->up	Left	250-54018	250-24439	
	CCX	147	AJ-V6	Fr. Ch. No. M69500, To Ch. No. N52047	04.2002->up	Right	250-54018	250-24439	
	CCX	147	AJ-V6	Fr. Ch. No. N52048	04.2002->up	Left	250-54032	250-24730	
	CCX	147	AJ-V6	Fr. Ch. No. N52048	04.2002->up	Right	250-54032	250-24730	
3.0 V6	CCX	175	AJ-V6	To Ch. No. M45254	04.2002->up	Left	250-24749	250-24001	
	CCX	175	AJ-V6	To Ch. No. M45254	04.2002->up	Right	250-24749	250-24001	
	CCX	175	AJ-V6	Fr. Ch. No. M69500, To Ch. No. N52047	04.2002->up	Left	250-54018	250-24439	
	CCX	175	AJ-V6	Fr. Ch. No. M69500, To Ch. No. N52047	04.2002->up	Right	250-54018	250-24439	
	CCX	175	AJ-V6	Fr. Ch. No. N52048	01.1999->12.2003	Left	250-54032	250-24730	
	CCX	175	AJ-V6	Fr. Ch. No. N52048	01.1999->12.2003	Right	250-54032	250-24730	
4.0 V8	CCX	203	AJ-V8	To Ch. No. M45254	01.1999->04.2002	Left	250-24749	250-24001	
	CCX	203	AJ-V8	To Ch. No. M45254	01.1999->04.2002	Right	250-24749	250-24001	
	CCX	203	AJ-V8	Fr. Ch. No. M45255, To Ch. No. N52047	01.1999->04.2002	Left	250-54018	250-24439	
	CCX	203	AJ-V8	Fr. Ch. No. M45255, To Ch. No. N52047	01.1999->04.2002	Right	250-54018	250-24439	
	CCX	203	AJ-V8	Fr. Ch. No. N52048	01.1999->01.2002	Left	250-54032	250-24730	
	CCX	203	AJ-V8	Fr. Ch. No. N52048	01.1999->01.2002	Right	250-54032	250-24730	
4.2 V8	CCX	219	AJ-V8	To Ch. No. M45254	04.2002->up	Left	250-24749	250-24001	
	CCX	219	AJ-V8	To Ch. No. M45254	04.2002->up	Right	250-24749	250-24001	
	CCX	219	AJ-V8	Fr. Ch. No. M69500, To Ch. No. N52047	04.2002->up	Left	250-54018	250-24439	
	CCX	219	AJ-V8	Fr. Ch. No. M69500, To Ch. No. N52047	04.2002->up	Right	250-54018	250-24439	
	CCX	219	AJ-V8	Fr. Ch. No. N52048	04.2002->12.2003	Left	250-54032	250-24730	
	CCX	219	AJ-V8	Fr. Ch. No. N52048	04.2002->12.2003	Right	250-54032	250-24730	
R 4.2 V8	CCX	291	AJ-V8	To Ch. No. M45254	04.2002->up	Left	250-24749	250-24001	
	CCX	291	AJ-V8	To Ch. No. M45254	04.2002->up	Right	250-24749	250-24001	
	CCX	291	AJ-V8	Fr. Ch. No. M45255 To Ch. No. N52047	04.2002->up	Left	250-54018	250-24439	
	CCX	291	AJ-V8	Fr. Ch. No. M45255 To Ch. No. N52047	04.2002->up	Right	250-54018	250-24439	
	CCX	291	AJ-V8	Fr. Ch. No. N52048	04.2002->12.2003	Left	250-54032	250-24730	
	CCX	291	AJ-V8	Fr. Ch. No. N52048	04.2002->12.2003	Right	250-54032	250-24730	
XJ6									
2.9	XJ 40, 81	108	AJ6 (CAT)		10.1986->08.1990		250-23048		
	XJ 40, 81	117	AJ6		10.1986->12.1988		250-23019		
	XJ 40, 81	123	AJ6		10.1986->08.1990		250-23048		
3.2	X300	155	9JPGRB	Fr. Ch. No. 667829 To Ch. No. 708757	11.1994->07.1997		250-23019		
3.2 24V	XJ 40, 81	146	9BPMNA		09.1990->11.1994		250-23048		
3.6	XJ 40, 81	136	AJ6 (CAT)		10.1986->08.1989		250-23048		
Sovereign 3.6		136			10.1986->08.1989		250-23048		
		145	9DPANA		10.1986->07.1989		250-23048		



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
JAGUAR (cont'd)								
XJ6 (cont'd)								
4.0 Sovereign 4.0	XJ 40, 81	163	9EPCNA		09.1989->09.1994		250-23048	
		163	9EPCNA		09.1989->09.1994		250-23048	
	X300	177	9JPFRR		11.1994->07.1997		250-23048	
4.2		151	XK4.2 (82-87)		09.1979->10.1986		250-23048	
XJ12								
V12 6.0	XJ 40, 81	229	8C(92-94)		03.1993->11.1994		250-23019	
12 6.0	X300	229	8E	Fr.Ch. No. 667829 To Ch. No. 708757	11.1994->07.1997		250-23019	
XJ								
Sovereign V12		194	7P		10.1986->12.1992		250-23048	
		197	V12(90-93,197KW)		10.1986->12.1992		250-23048	
XJR								
R Supercharged 4.0	X300	235	9KPDRB		11.1994->07.1997		250-23019	
XJS COUPE								
3.6		162	AJ6(3.6,162KW)		10.1986->12.1988		250-23048	
		136	AJ6		01.1988->08.1989		250-23048	
4.0		163	9EPCNA, 9LPFRB		05.1991->03.1996		250-23048	
		171	9EPCNA, 9LPFRB		05.1991->03.1996		250-23048	
5.3 H.E.		194	8S(86-88)		01.1986->12.1989		250-23019	
6.0		222	8D		05.1993->03.1996		250-23048	
XJSC CONVERTIBLE								
3.6		162	AJ6(3.6,162KW)		10.1986->12.1988		250-23048	
4.0		163	9EPCNA		05.1991->09.1994		250-23048	
		171	9LPFRB	Fr.Ch. No. 667829 To Ch. No. 7087757	10.1994->03.1996		250-23019	
6.0		222	8D		05.1993->03.1996		250-23019	
X TYPE								
2.0 V6	CF1	115	AJ-V6		03.2002->10.2005	Left	250-54018	250-24439
	CF1	115	AJ-V6		03.2002->10.2005	Right	250-54018	250-24439
2.5 V6	CF1	144	AJ-V6		06.2001->up	Left	250-54018	250-24439
	CF1	144	AJ-V6		06.2001->up	Right	250-54018	250-24439
3.0 V6	CF1	169	AJ-V6		06.2001->up	Left	250-54018	250-24439
	CF1	169	AJ-V6		06.2001->up	Right	250-54018	250-24439
X TYPE ESTATE								
2.0 V6		115	AJ-V6		11.2003->up	Left	250-54018	250-24439
		115	AJ-V6		11.2003->up	Right	250-54018	250-24439
2.5		144	AJ-V6		02.2004->up	Left	250-54018	250-24439
		144	AJ-V6		02.2004->up	Right	250-54018	250-24439
3.0		169	AJ-V6		02.2004->up	Left	250-54018	250-24439
		169	AJ-V6		02.2004->up	Right	250-54018	250-24439
JEEP								
CHEROKEE								
2.5i	XJ	87	EPE		11.1996->12.1998		250-24942	
2.5i 4X4	XJ	90	EPE,HX		01.1998->12.1998		250-24942	
4.0i	XJ	127	ERH		07.1998->12.1998		250-24943	
	XJ	127	ERH	Euro 3 (D3)	01.1999->12.2000		250-23023	
	XJ	131	ERH		01.1995->12.1998		250-24943	250-24823
	XJ	131	ERH	Euro 2, Euro 3 (D3)	01.1999->12.2000		250-23023	250-23023
GRAND CHEROKEE I								
4.0 i	Z	132	ERH, MX		09.1992->01.1997		250-24076	250-24823
	Z	132	ERH, MX		01.1998->04.1999		250-24076	250-24942
	Z	135	ERH, MX		09.1992->01.1997		250-24076	250-24823
	Z	135	ERH, MX		01.1998->04.1999		250-24076	250-24942
5.2	Z	156	Y01		01.1998->04.1999		250-24942	250-24823
	Z	155	ELF, Y		01.1998->04.1999		250-24942	250-24942
	Z	158	ELF, Y		01.1998->04.1999		250-24942	250-24942
5.9i	Z	177	EML		01.1998->04.1999		250-24942	250-24942
GRAND CHEROKEE II								
4.0 4x4	WJ, WG	140	ERH		04.1999->09.2005	Left	250-24259	250-24259
	WJ, WG	140	ERH		04.1999->09.2005	Right	250-24259	250-24259
4.7 V8 4x4	WJ, WG	164	EVA		04.1999->09.2005	Left	250-24249	
	WJ, WG	164	EVA		04.1999->09.2005	Right	250-24276	
	WJ, WG	164	EVC		04.1999->09.2005	Left	250-24249	
	WJ, WG	164	EVC		04.1999->09.2005	Right	250-24249	
4.7 V8 4x4	WJ, WG	167	EVA		06.2003->09.2005	Left	250-24249	
	WJ, WG	167	EVA		06.2003->09.2005	Right	250-24276	
	WJ, WG	167	EVC		06.2003->09.2005	Left	250-24249	
	WJ, WG	167	EVC		06.2003->09.2005	Right	250-24249	
4.7 V8 4x4	WJ, WG	190	EVA		10.2001->09.2005	Left	250-24249	
	WJ, WG	190	EVA		10.2001->09.2005	Right	250-24249	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
JEEP (cont'd)								
GRAND CHEROKEE II (cont'd)								
4.7 V8 4x4	WJ, WG	190	EVC		10.2001->09.2005	Left	250-24249	
	WJ, WG	190	EVC		10.2001->09.2005	Right	250-24276	
WRANGLER II								
4.0	TJ	124			06.2005->up	Cyl 1-3	250-24460	250-24253
	TJ	124			06.2005->up	Cyl 4-6	250-24680	250-24259
	TJ	130	S01		01.1997->12.1998		250-24943	250-24942
KIA								
CARENS I								
1.8i	FC	81	T8	96 EEC	11.2000->07.2002		250-24750	
	FC	81	T8	Euro 3 (D3)	11.2000->07.2002		250-24341	250-24388
CARENS II								
1.8	FJ	93	T8		07.2002->05.2006		250-24447	250-24447
2.0 CVVT	FJ	102	G4GC		09.2004->05.2006		250-24349	250-24768
CARENS III								
2.0 CRDi	UN	103	D4EA		09.2006->up			800-95017
2.0 CVVT	UN	106	G4KA		09.2006->up		250-24688	250-24687
CARNIVAL								
2.5 V6	UP	121	KRV6		08.1999->07.2001		250-24139	250-24369
2.5i	UP	121	KRV6		08.1999->07.2001		250-24139	250-24369
CARNIVAL I								
2.5 V6	UP	121	KRV6	Fr.Con. 07.2001	08.1999->10.2001	Left	250-241047	250-241047
	UP	121	KRV6	Fr.Con. 07.2001	08.1999->10.2001	Right	250-241047	250-241047
CARNIVAL II								
2.5 V6	GQ	110	KRV6		10.2001->up	Left	250-241047	250-241047
	GQ	110	KRV6		10.2001->up	Right	250-241047	250-241047
CARNIVAL III								
2.7 V6	UVP	139	G6EA		06.2006->up	Left	250-24461	250-24462
	UVP	139	G6EA		06.2006->up	Right	250-24461	250-24462
CEE'D ESTATE								
1.6 CRDi 90	ED	66	D4FB-L		09.2007->up			800-95017
1.6 CRDi 115	ED	85	D4FB		09.2007->up			800-95017
2.0 CRDi	ED	103	D4EA-VGT		09.2007->up			800-95017
2.0	ED	105	G4GC		09.2007->up		250-24438	250-24768
CEE'D HATCHBACK								
1.4	ED	77			12.2006->up		250-24982	
1.4 CVVT	ED	66			06.2010->up		250-24982	
1.6 CRDi 90	ED	66	D4FB-L		12.2006->up			800-95017
1.6	ED	85			09.2007->up		250-24982	
1.6 CRDi 115	ED	85	D4FB		12.2006->up			800-95017
1.6	ED	85			09.2007->up		250-24982	
1.6	ED	90			12.2006->up		250-24982	
1.6	ED	93			02.2008->up		250-24982	
1.6 CVVT	ED	92			10.2010->up		250-24982	
2.0 CRDi	ED	103	D4EA-VGT		09.2007->up			800-95017
2.0	ED	105	G4GC		12.2006->up		250-24438	250-24768
CEE'D SW								
1.4	ED	80			09.2007->up		250-24982	
1.4 CVVT	ED	66			10.2010->up		250-24982	
1.6	ED	90			09.2007->up		250-24982	
	ED	93			09.2007->up		250-24982	
1.6 CVVT	ED	92			06.2009->up		250-24982	
CERATO								
1.6	LD	77	G4ED		07.2004->up		250-24349	
2.0	LD	105	G4GC		07.2004->up		250-24438	250-24349
CERATO COUPE								
1.6 CVVT		93			10.2008->up		250-241040	
2.0 CVVT		115			10.2008->up			250-24864
CERATO SALOON								
1.6	LD	77	G4ED		04.2004->up		250-24349	
1.6 CRDi	LD	85	D4FB		06.2005->up		250-25095	
2.0	LD	105	G4GC		04.2004->up		250-24438	250-24349
CLARUS								
1.8i 16V	K9A	85	T8		07.1996->07.2001		250-23126	
2.0i 16V	K9A	98	FE(16V)		07.1996->07.2001		250-23126	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
KIA (cont'd)								
CLARUS ESTATE								
1.8i 16V	GC	85	T8		05.1998->07.2001		250-23126	
2.0i 16V	GC	98	FE(16V)		05.1998->07.2001		250-23126	
JOICE								
2.0		88	G4CPD		09.2001->up		250-24368	
		102	G4		09.2001->up		250-24368	
MAGENTIS								
2.0	GD	100	G4D	Leaded Fuel	05.2001->12.2005		250-24422	250-24422
	GD	100	G4D	Lead Free Fuel	05.2001->12.2005		250-24422	250-24368
	MG	106	G4KA		01.2006->up		250-24688	250-24687
2.0 CRDi	MG	103	D4EA		04.2006->up			800-95017
2.0i 16V		121	121		05.2008->08.2010			250-24864
2.5i	GD	124	G6BV		02.2001->01.2003	Left	250-24517	250-24517
	GD	124	G6BV		02.2001->01.2003	Right	250-24517	250-24518
2.5 V6	GD	124	G6BV		05.2001->12.2005	Left	250-24517	250-24517
	GD	124	G6BV		05.2001->01.2003	Right	250-24517	250-24518
2.7	MG	138	G6EA		01.2006->up	Left	250-24461	250-24462
	MG	138	G6EA		01.2006->up	Right	250-24461	250-24462
MENTOR								
1.5i		59			09.1997->06.2001		250-241026	
1.6i		74	GA6D(101)		06.2001->up		250-24388	
OPIRUS								
3.5	GH	149	6G74		09.2003->up	Left	250-24462	250-24658
	GH	149	6G74		09.2003->up	Right	250-24462	250-24422
OPTIMA								
2.0	MG	121	G4KA		07.2009->up			250-24864
PICANTO								
1	BA	45	G4HE		09.2005->up		250-24780	250-24779
1.1	BA	48	G4HG		04.2004->up		250-24780	250-24779
1.1 CRDi	BA	55	D3FA		11.2005->up			800-95017
PRIDE								
1.3 16V	DA	44	B3		10.1994->07.2000		250-21010	
	DA	47	B3		10.1996->07.2000		250-21010	
1.3i	DA	51	B3		10.1994->07.2000		250-21010	
PRIDE ESTATE								
1.3		47	B3		08.1999->07.2000		250-21010	
PRO CEE'D								
1.4	ED	77			02.2008->up		250-24982	
	ED	80			02.2008->up		250-24982	
1.4 CVVT	ED	66			06.2010->up		250-24982	
1.6 CRDi 90	ED	66	D4FB-L		02.2008->up			800-95017
1.6 CRDi 115	ED	85	D4FB		02.2008->up			800-95017
1.6	ED	90			02.2008->up		250-24982	
	ED	93			02.2008->up		250-24982	
1.6 CVVT	ED	92			10.2010->up		250-24982	
2.0 CRDi	ED	103	D4EA-VGT		02.2008->up			800-95017
2.0	ED	105	G4GC		02.2008->up		250-24438	250-24768
RETONA								
2.0 16V	CE	94	FE(16V)		05.2000->up		250-24341	250-24388
RIO								
1.3	DC	55	MI-TECH-SOH		09.2000->02.2005		250-24384	250-24384
	DC	60	MI-TECH-S82		09.2000->02.2005		250-24384	250-24384
1.5 16V	DC	72	MI-TECH-DOH		09.2000->02.2005		250-24384	250-24384
RIO ESTATE								
1.3	DC	55	MI-TECH-SOH		08.2000->02.2005		250-24384	250-24384
	DC	60	MI-TECH-S82		01.2003->02.2005		250-24384	250-24384
1.5 16V	DC	71	MI-TECH-DOH		01.2003->02.2005		250-24384	250-24384
	DC	72	MI-TECH-DOH		08.2000->02.2005		250-24384	250-24384
RIO II								
1.4 16V	JB	71	G4EE		06.2005->up		250-24349	250-24349
1.5 CRDi	JB	81	D4FA		06.2005->up			800-95017
1.6 16V	JB	82	G4GD		06.2005->up		250-24349	250-24349
RIO II SALOON								
1.4 16V	JB	71	G4EE		06.2005->up		250-24349	250-24349
1.5 CRDi	JB	81	D4FA		06.2005->up			800-95017
1.6 16V	JB	82	G4GD		06.2005->up		250-24349	250-24349



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KIA (cont'd)								
SEDONA								
2.5i V6 24V		121			02.2002->11.2005	LEFT	250-241047	250-241047
		121			02.2002->11.2005	RIGHT	250-241047	250-241047
SEPHIA								
1.5i	FA	59	B5		02.1996->10.1997		250-241026	
1.5i 16V	FB	65		Fr.Con. 09.1998	10.1997->03.2001		250-241026	
1.6i	FA	59	B6		01.1995->08.1998		250-21010	
1.8i 16V	FA	82	T8D		08.1996->08.1998		250-23126	
SEPHIA SALOON								
1.5i	FA	59	B5		02.1996->10.1997		250-241026	
1.6i	FA	59	B6		01.1996->08.1998		250-21010	
1.8i 16V	FA	82	T8D		01.1996->08.1998		250-23126	
SHUMA								
1.5i 16V	FB	65	B5		10.1997->08.1998		250-23097	
1.8i 16V	FB	81	T8D		10.1997->08.1998		250-23126	
SHUMA II								
1.6	FB	75	GA6D		05.2001->05.2004		250-24341	250-24388
1.6i	FB	74	GA6D(101)		05.2001->08.2004		250-24341	250-24388
1.8	FB	84	T8D	Euro 2	04.2003->08.2004		250-24750	
	FB	84	T8D	Euro 3 (D3)	04.2003->08.2004		250-24341	250-24388
SHUMA II SALOON								
1.5	FB	59		Fr.Con. 09.1998	03.1996->12.1998		250-241026	
1.5i 16V	FB	65			10.1997->10.2001		250-241026	
1.6i	FB	74	GA6D(101)		02.2001->04.2002			250-24388
SPECTRA5								
1.6 CRDi	LD	85	D4FB		06.2005->up		250-25095	
SORENTO								
2.5 CRDi	JC	103	D4CB		06.2006->up			800-95003
	JC	125	D4CB		12.2006->up			800-95003
3.5 V6	JC	143	6G72		05.2003->05.2006	Left	250-24462	250-24658
	JC	143	6G72		05.2003->05.2006	Right	250-24462	250-24658
3.5i Auto AWD V6 24V		204			12.2010->up	Left	250-24908	●250-24909
		204			12.2010->up	Right	250-24908	
SORENTO I								
3.3 V6	JC	177	33L		12.2006->up	Right	250-24739	250-24740
3.3 V6	JC	182	G6DB		11.2007->up	Right	250-24739	250-24740
SORENTO II								
2.0 CRDi	XM	110			11.2010->up		250-25095	
2.0 CRDi 4WD	XM	110			11.2010->up		250-25095	
2.2 CRDi	XM	145			11.2009->up		250-25095	
2.2 CRDi 4WD	XM	145			11.2009->up		250-25095	
2.4 CVVT	XM	128	G4KJ		11.2009->up		250-25062	250-24878
2.4 CVVT 4WD	XM	128	G4KJ		11.2009->up		250-25062	250-24878
SOUL								
1.6 CVVT	AM	93			10.2008->up		250-24990	
SPECTRA5								
1.6 CRDi	LD	85	D4FB		06.2005->up		250-25095	
SPORTAGE								
2.0i 4WD	K00	70	FE		04.1994->08.1999		250-23126	
2.0 CRDi 4WD	JE	83	D4EA		12.2004->up		800-95017	
2.0i 16V	K00	94	FE(16V)		10.1999->09.2002		250-24341	250-24341
2.0i 16V 4WD	K00	94	FE(16V)		04.1994->11.1998		250-23084	
	K00	94	FE(16V)		11.1998->09.2002		250-24341	250-24341
2.0 CRDi	SL	100			07.2010->up		250-25095	
2.0 CRDi AWD	SL	100			07.2010->up		250-25095	
2.0 CRDi	JE	103	D4EA-VGT		01.2006->up		800-95017	
2.0i 16V	JE	104	G4GC		12.2004->up		250-24438	250-24349
2.0 16V 4WD	JE	104	G4GC		09.2004->up		250-24438	250-24349
2.0 CVVT	SL	120	G4KD		07.2010->up		250-25065	250-24864
2.0 CVVT AWD	SL	120	G4KD		07.2010->up		250-25065	250-24864
2.7 V6 4WD	JE	129	G6BA		12.2004->up	Left	250-24461	250-24461
	JE	129	G6BA		12.2004->up	Right	250-24461	250-24783
VENGA								
1.4CVVT 90 16V		66	66		12.2009->up			250-24982
1.6CVVT Auto 125 16V		92	92		12.2009->up			250-24982



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
LADA								
110								
1.5		54			01.1996->12.2000		250-24600	
		57	VAZ-2111	Euro 2	01.1996->12.2004		250-24737	
1.5 16V		67			10.2000->12.2004		250-24737	250-24330
		70	VAZ-2112		01.1996->12.2004		250-24737	250-24330
111								
1.5		57	VAZ-2111	Euro 2	01.1996->12.2004		250-24737	
1.5 16V		67			10.2000->12.2004		250-24737	250-24330
		70	VAZ-2112		01.1996->12.2004		250-24737	250-24330
112								
1.5		54	VAZ-2111		01.1996->up		250-24832	
		57	VAZ-2111		01.1996->up		250-24832	
1.5 16V		67			10.2000->12.2004		250-24737	250-24330
		70	VAZ-2112		01.1996->12.2004		250-24737	250-24330
KALINA KOMBI								
1.4 16V	1117	66			11.2008->up		250-24737	
1.4 16V LPG	1117	65			11.2008->up		250-24737	
1.6	1117	60			07.2007->up		250-24737	
KALINA HATCHBACK								
1.4 16V	1119	66			11.2008->up		250-24737	
1.4 16V LPG	1119	65			11.2008->up		250-24737	
1.6	1119	60			07.2006->up		250-24737	
1.6 16V	1119	66			11.2004->up		250-24737	
KALINA SALOON								
1.4 16V	1118	66			11.2008->up		250-24737	
1.4 16V LPG	1118	65			11.2008->up		250-24737	
1.6	1118	60	BA321114,BA321124	Euro 3 (D3)	11.2004->up		250-24737	
NIVA								
1700 i	2121	59	BA321214		12.2000->up		250-24737	
PRIORA KOMBI								
1.6	2171	72			10.2009->up		250-24737	
PRIORA HATCHBACK								
1.6	2172	72			12.2008->up		250-24737	
1.6 LPG	2172	71			12.2008->up		250-24737	
PRIORA SALOON								
1.6	2170	72			12.2008->up		250-24737	
1.6 LPG	2170	71			03.2009->up		250-24737	
SAMARA								
1300	2108, 2109	50	2108		02.1996->up		250-24832	
1500	2108, 2109	53	BA321111		01.1988->up		250-24737	250-24330
1.5	2108, 2109	57	VAZ-2111		01.2000->up		250-24737	250-24330
LANCIA								
DEDRA								
1.6 i.e.	835	57	835A1.046		08.1989->03.1993		250-23048	
	835	55	835C1.000		04.1993->06.1994		250-24820	
	835	76	182A4.000		12.1997->09.1999		250-24531	
1.6 LE	835	66	159B9.000		07.1994->11.1997		250-24000	
1.6 16V	835	76	182A4.000		12.1997->07.1999		250-24531	
1.8 i.e.	835	77	835A2.046		09.1989->06.1994		250-23048	
	835	66	835C5.000		08.1993->06.1994		250-23048	
	835	74	836A5.000		07.1994->07.1999		250-24119	
1.8 GT 16V	835	96	183A1.000		03.1996->07.1999		250-24818	
1.8 16V LE	835	83	182A2.000		03.1996->07.1999		250-24818	
2.0 i.e.	835	83	835A5.046		12.1990->07.1999		250-23048	
	835	83	835A5.046	Fr. Eng. No. 1623668, w/ Immobilizer	07.1994->07.1999		250-23106	
2.0 i.e. Turbo	835	119	835A8.046		04.1991->06.1994		250-23048	
2.0 16V	835	102	836A3.000		07.1994->11.1995		250-23106	
	835	102	836A3.000		11.1995->07.1999		250-24818	
2.0 HF Integrale	835	124	835A7.046		10.1992->06.1994		250-23048	
DEDRA SW								
1.6	835	66	159B9.000		10.1994->11.1997		250-24000	
1.6 i.e.	835	76	182A4.000		12.1997->09.1999		250-24531	
1.6 16V	835	76	182A4.000		12.1997->07.1999		250-24531	
1.8 i.e.	835	74	836A5.000		09.1994->07.1999		250-24119	
1.8 16V LE	835	83	182A2.000		03.1996->11.1997		250-24818	
1.8 GT 16V	835	96	183A1.000		03.1996->07.1999		250-24818	
2.0 Integrale	835	102	836A3.000		09.1994->11.1995		250-23106	
	835	102	836A3.000		11.1995->07.1999		250-24818	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
LANCIA (cont'd)								
DEDRA SW (cont'd)								
2.0 16V	835	102	836A3.000		09.1994->11.1995		250-23106	
	835	102	836A3.000		11.1995->07.1999		250-24818	
DELTA I								
1.6 GT i.e.	831AB0	66	149C2.000		07.1991->08.1992		250-21000	
	831AB0	80	831B7.000		08.1986->08.1988		250-21000	
1.6 HF Turbo	831AB0	97	831B7.046		04.1987->03.1989		250-23154	
	831AB0	103	831B3.000		08.1986->08.1988		250-23154	
2.0 HF Integrale	831AB0	130	831C5.046		08.1988->12.1992		250-23154	
	831AB0	155	831E5.046,831E5.000	16V Evo	06.1993->01.1994		250-23154	
DELTA II								
1.4 i.e.	836	51	836A4.000,160A1.046	w/ Immobilizer	07.1999->08.1999		250-24119	
	836	51	836A4.000,160A1.046		10.1994->08.1999		250-23048	
1.6 i.e.	836	55	835C1.000	w/ Immobilizer	06.1993->08.1999		250-24119	
	836	55	835C1.000		06.1993->08.1999		250-24820	
	836	66	182A6.000	To Ch. No. 3297144	03.1996->08.1999		250-24818	
	836	66	182A6.000	Fr.Ch. No. 3297145	03.1996->08.1999		250-24531	
1.6 i.e. 16V	836	76	182A4.000	To Ch. No. 3297144	01.1996->08.1999		250-24818	
	836	76	182A4.000	Fr.Ch. No. 3297145	01.1996->08.1999		250-24531	
1.8 i.e.	836	66	835C4.000	w/o Air Conditioning	07.1994->08.1999		250-24820	
	836	66	835C4,836C4,836A6	w/ Air Conditioning	07.1994->08.1999		250-24119	
	836	66	836A6.000	w/ Air Conditioning	12.1994->08.1999		250-24820	
	836	76	835C2.000	w/ Air Conditioning	06.1993->12.1994		250-24119	
	836	76	835C2.000		06.1993->12.1994		250-24820	
	836	97	183A1.000		04.1998->08.1999		250-24524	
1.8 i.e. 16V	836	83	182A2.000		03.1996->08.1999		250-24818	
1.8 i.e. 16V GT	836	96	183A1.000		05.1996->04.1998		250-24818	
	836	96	183A1.000		04.1998->08.1999		250-24524	
2.0 16V	836	102	836A3.000		06.1993->12.1994		250-23048	
	836	102	836A3.000		12.1994->08.1999		250-23106	
2.0 16V Turbo	836	137	836A2.000		04.1995->08.1999		250-23048	
	836	142	175A4.000		07.1996->08.1999		250-23048	
DELTA III								
1.4		88	198A4.000		09.2008->up		250-24564	250-241060
1.4 16V	844	103	198A7		07.2010->up		250-241003	250-241003
		110	198A1.000		09.2008->up		250-24564	250-24695
1.6 D Multijet	844	88	198A2.000		09.2008->up			800-95003
1.8	844	147	939B1		01.2009->up			250-241060
KAPPA								
2.0 i.e.	838A	162	175A3.000		06.1998->10.2001		250-24119	
2.0 16V Turbo	838A	151	838A4.000		02.1995->10.2001		250-24119	
	838A	114	838A6.000	To Ch. No. 2095794	07.1996->10.2001		250-24119	
2.0 20V	838A	114	838A6.000	Fr.Ch. No. 2095794	07.1996->10.2001		250-24695	
	838A	162	175A3.000		06.1998->10.2001		250-24119	
2.4 20V	838A	129	838A2.027		05.1996->10.2001		250-24588	
3.0 24V	838A	129	838A2.000		10.1994->10.2001		250-24119	
	838A	150	838B.000	To Ch. No. 2088054	10.1994->10.2001		250-24530	
	838A	150	838B.000	Fr.Ch. No. 2088054	08.1994->07.1995		250-24705	
KAPPA COUPE								
2.0 i.e.	838	162	175A3.000		05.1998->10.2000		250-24119	
2.0 16V Turbo	838	151	838A4.000		03.1997->04.1998		250-24119	
2.0 20V	838	114	838A6.000		07.1996->06.1998		250-24119	
2.0 20V Turbo	838	162	175A3.000		06.1998->10.2000		250-24119	
2.4 20V	838	129	838A2.000		03.1997->12.1998		250-24119	
	838	129	838A2.000		12.1998->10.2000		250-24695	
3.0 24V	838	150	838B.000	To Ch. No. 7002899	03.1997->03.2001		250-24530	
	838	150	838B.000	Fr.Ch. No. 7002899	11.1996->03.2001		250-24705	
KAPPA SW								
2.0 i.e.	838B	162	175A3.000		05.1998->10.2001		250-24119	
2.0 16V Turbo	838B	151	838A4.000		07.1996->04.1998		250-24119	
2.0 20V	838B	114	838A6.000	To Ch. No. 2095794	07.1996->10.2001		250-24119	
	838B	114	838A6.000	Fr.Ch. No. 2095794	07.1996->10.2001		250-24695	
2.0 20V Turbo	838B	162	175A3.000		06.1998->10.2001		250-24119	
2.4 20V	838B	129	838A2.000		07.1996->10.2001		250-24119	
3.0 24V	838B	150	838B.000	To Ch. No. 2088054	07.1996->10.2001		250-24530	
	838B	150	838B.000	Fr.Ch. No. 2088054	07.1996->10.2001		250-24705	
LYBRA								
1.6i 16V	839AX	76	182A4.000		07.1999->09.1999		250-24531	
	839AX	76	182A4.000		09.1999->12.2006		250-241013	250-24119
1.8 16V	839AX	96	839A4.000		09.1999->12.2006		250-24524	
	839AX	96	839A7.000,839A9.000		09.1999->12.2006	Left	250-24531	
	839AX	96	839A7.000,839A9.000		09.1999->12.2006	Right	250-241013	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
LANCIA (cont'd)								
LYBRA (cont'd)								
2.0 20V	839AX	113	182B7.000		09.1999->09.2000		250-24695	
	839AX	110	185A8.000		09.2000->12.2006	Left	250-24564	
	839AX	110	185A8.000		09.2000->12.2006	Right	250-24564	
LYBRA SW								
1.6 16V	839BX	76	182A4.000		09.1999->12.2006		250-24531	
	839BX	76	182B6.000		09.1999->12.2006		250-241013	250-24119
1.8 16V	839BX	96	839A7.000		09.1999->12.2006	Left	250-24531	
	839BX	96	839A7.000		09.1999->12.2006	Right	250-241013	
1.8i 16v	839BX	96	839A4.000		09.1999->12.2006		250-24524	
2.0 20V	839BX	113	182B7.000		09.1999->09.2000		250-24695	
	839BX	110	185A8.000		09.2000->12.2006	Left	250-24564	
	839BX	110	185A8.000		09.2000->12.2006	Right	250-24564	
MUSA								
1.3 D Multijet	350	66	199A3.000		09.2006->up			800-95021
1.4		57	350A1.000		09.2005->up		250-24564	250-24564
		70	843A1.000		10.2004->up		250-24564	250-24564
1.9 D Multijet	350	74	188B2.000		10.2004->up			800-95003
PHEDRA								
2.0	179	100	RFN(EW10J4)		09.2002->up		250-24665	250-24665
2.0i	179	100	EW10J4/L4(RFN)		09.2002->up		250-24748	250-24748
3.0 V6	179	150	ES9J4S		09.2002->09.2005	Left	250-24841	250-24841
	179	150	ES9J4S		09.2002->09.2005	Right	250-24665	250-24665
3.0i	179	150	ES9J4S/L4(XFW)		09.2002->09.2005	Left	250-24841	250-24841
	179	150	ES9J4S/L4(XFW)		09.2002->09.2005	Right	250-24748	250-24748
PRISMA								
1.5	831AB0	55	831B1.048,138C2.048	MPI - Bosch	12.1985->12.1986		250-21011	
1.6 i.e.	831AB0	80	831B7.000		05.1986->12.1989		250-21011	
1.6 i.e. Super	831AB0	66	149C2.000		05.1987->12.1989		250-21011	
2.0 i.e. 4WD	831AB0	85	831B4.000	w/ CAT.	07.1987->12.1989		250-23048	
THEMA								
2000 16V	834	112	834F1.000		08.1992->12.1993		250-24820	
2000 16V Turbo	834	148	834F2.000		10.1992->07.1994		250-24820	
2000 i.e.	834	83	834B.048		03.1986->09.1988		250-23048	
	834	85	834B.146		09.1987->05.1992		250-23154	
2000 i.e. Turbo	834	110	834C.146		10.1988->05.1990		250-23154	
2000 i.e. 16V	834	104	834B2.246		02.1989->05.1992		250-23048	
2000 i.e. 16V Turbo	834	130	834C1.246		04.1989->05.1992		250-23048	
2850 V6 i.e.	834	108	834E.146		10.1988->05.1992		250-23048	
3000 V6	834	126	834F.000		09.1992->07.1994		250-24132	
8.32	834	151	F105L.046		10.1988->01.1991		250-23048	
	834	158	F105L		12.1987->05.1989		250-23048	
THEMA SW								
2000 16V	834	112	834F1.000		09.1992->07.1994		250-24820	
2000 Turbo	834	110	834C.146		01.1989->05.1990		250-23048	
2000 Turbo 16V	834	148	834F2.000		11.1992->07.1994		250-24820	
2000 i.e. 16V	834	104	834B2.246		02.1989->05.1992		250-23048	
2000 i.e. 16V Turbo	834	130	834C1.246		04.1989->08.1992		250-23048	
3000 V6	834	126	834F.000		09.1992->07.1994		250-24132	
THESIS								
2.0 Turbo	841AX	136	841E.000		09.2002->03.2005		250-24564	250-24564
2.4	841AX	125	841D.000		09.2002->03.2005		250-24564	250-24564
3.0 V6	841AX	158	841A.000		09.2002->03.2005	Cyl 1-3	250-241060	250-241015
	841AX	158	841A.000		09.2002->03.2005	Cyl 4-6	250-24564	250-241015
3.2 V6	841AX	169	841L.000		06.2003->up	Cyl 1-3	250-24119	
	841AX	169	841L.000		06.2003->up	Cyl 4-6	250-24564	
Y								
1.1	840A	40	176B2.000		04.1997->08.2000		250-24119	
1.1i	840A	40	176B2.000		04.1997->08.2000		250-24119	
1.2	840A	44	840A3.000,188A4.000		03.1996->08.2000		250-24119	
	840A	44	840A3.000,188A4.000		09.2000->09.2003		250-24564	250-24564
1.2 16V	840A	63	176B9.000		04.1997->08.2000		250-24190	
	840A	59	188A5.000		10.2000->09.2003		250-24564	250-24564
1.2i	840A	44	840A3.000		11.1995->08.2000		250-24119	
1.4 12V	840A	55	840A4.000		03.1996->08.2000		250-24119	
	840A	59	840A2.000		10.1996->08.2000		250-24119	
Y10								
1.0 Fire	156	33	156A2.246		01.1989->02.1992		250-23048	
	156	37	156A2.000		07.1989->02.1990		250-23019	
1.0 Fire 4WD	156	33	156A2.146,156A2.256		12.1987->02.1992		250-23028	
	156	37	156A2.000		12.1987->02.1990		250-23048	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
LANCIA (cont'd)								
Y10 (cont'd)								
1.1 i.e	156	42	156C.000		08.1989->06.1992		250-24587	
1.1 i.e 4WD	156	42	156C.000		08.1989->06.1992		250-24587	
1.1 i.e. Fire	156	37	156C.046		07.1989->09.1992		250-23048	
	156	37	156C.046		09.1992->12.1994		250-24820	
1.1 i.e. Fire 4WD	156	37	156C.046		09.1992->09.1992		250-23048	
	156	37	156C.046		01.1994->12.1994		250-24820	
1.1 Avenue	156	40	176B2.000		01.1995->10.1995		250-24119	
1.1 Avenue 4WD	156	40	176B2.000		01.1995->10.1995		250-24119	
1.3 i.e. Fire	156	53	156B.000,146A5.046		02.1989->10.1995		250-23048	
YPSILON								
1.2		44	188A4.000		10.2003->up		250-24564	250-24564
		59	188A5.000		10.2003->up		250-24564	250-24564
1.3 D Multijet	843	55	199A2.000		09.2006->up		800-95021	
	843	66	199A3.000		09.2006->up		800-95021	
	843	77	199A3.000		12.2007->up		800-95021	
1.4		57	850A1000		02.2006->up		250-24564	250-24564
1.4 16V		70	843A1.000		10.2003->up		250-24564	250-24564
ZETA								
2.0 16V	220	97	RFV		07.1998->07.2000		250-24748	250-24410
	220	100	RFN		01.2001->08.2002		250-24665	250-24665
2.0 i.e.	220	98	RFV		07.1998->12.2000		250-24748	250-24410
	220	110	RGX		05.1998->05.2000		250-24410	
	220	100	EW10J4/L4(RFN)		01.2001->08.2002		250-24748	250-24748
2.0 Turbo	220	108	RGX		05.1995->05.1998		250-24936	
	220	108	RGX		05.1998->05.2000		250-24410	
LAND ROVER								
DEFENDER SW								
3.9 V8	LD	136	36D		11.1998->05.2000	Left	250-24512	
	LD	136	36D		11.1998->05.2000	Right	250-24512	
DISCOVERY I								
3.5	LJ, LG	113	22D		10.1992->08.1993	Left	250-23802	
	LJ, LG	113	22D		10.1992->08.1993	Right	250-23802	
3.5 4x4	LJ, LG	122	24D		10.1989->06.1994	Left	250-23802	
	LJ, LG	122	24D		10.1989->06.1994	Right	250-23802	
3.9 V8	LJ, LG	134	36D		09.1993->03.1994	Left	250-23802	
	LJ, LG	134	36D		09.1993->03.1994	Right	250-23802	
DISCOVERY II								
3.9 V8	LJ, LT	134	36D		03.1994->11.1998	Left	250-23802	
	LJ, LT	134	36D		03.1994->11.1998	Right	250-23802	
4.0 V8	LJ, LT	136	35D-185		11.1998->11.2004	Left	250-24496	250-24498
	LJ, LT	136	35D-185		11.1998->11.2004	Right	250-24496	250-24498
DISCOVERY III								
4.4	TAA	220	M62B44-299		11.2004->06.2009	Left	250-24714	250-24455
	TAA	220	M62B44-299		11.2004->06.2009	Right	250-24714	250-24455
DISCOVERY IV								
5.0 V8 4x4	LA	276	AJ133-V8-5.0		09.2009->up	Left	250-54072	
	LA	276	AJ133-V8-5.0		09.2009->up	Right	250-54072	250-24509
FREELANDER								
1.8 16V	LN	86	18K4,18K4FK	Fr.Ch.No.WA600478,To Ch.No.1A323728	09.2000->09.2003		250-24193	
	LN	86	18K4F	Fr.Ch.No.1A323729,To Ch.No.2A399806	09.2003->09.2006		250-24538	
1.8i 16V	LN	88	18K4FK	Fr.Ch.No.WA600478,To Ch.No.1A323728	10.1997->08.2000		250-24193	
	LN	88	18K4FK	Fr.Ch.No.1A323729,To Ch.No.2A399806	10.1997->08.2000		250-24538	
2.5 V6	LN	130	25K6		03.2000->09.2006		250-24844	
FREELANDER 2								
3.2	FA_	171	l6		10.2006->up	Left	250-54043	
	FA_	171	l6		10.2006->up	Right	250-54043	
FREELANDER SOFT TOP								
1.8i 16V		88	18K4F	Fr.Ch.No.1A323729,To Ch.No.2A399806	02.1998->08.2000		250-24538	
		88	18K4FK	Fr.Ch.No.WA600478,To Ch.No.1A323728	02.1998->08.2000		250-24193	
RANGE ROVER I								
3.5	AE,AN,HAA,HAB	107	31D	Fr.Ch. No. FA 351 847, w/ CAT.	01.1988->12.1989	Left	250-23802	
	AE,AN,HAA,HAB	107	31D	Fr.Ch. No. FA 351 847, w/ CAT.	01.1988->12.1989	Right	250-23802	
	HAM,HBM,RE,RN	107	31D	Fr.Ch. No. FA 351 847, w/ CAT.	01.1988->12.1989	Left	250-23802	
	HAM,HBM,RE,RN	107	31D	Fr.Ch. No. FA 351 847, w/ CAT.	01.1988->12.1989	Right	250-23802	
3.5 Vogue	AE,AN,HAA,HAB	93	11D	Fr.Ch. No. FA 351 847, w/ CAT.	08.1986->09.1990	Left	250-23802	
	AE,AN,HAA,HAB	93	11D	Fr.Ch. No. FA 351 847, w/ CAT.	08.1986->09.1990	Right	250-23802	
	HAM,HBM,RE,RN	93	11D	Fr.Ch. No. FA 351 847, w/ CAT.	08.1986->09.1990	Left	250-23802	
	HAM,HBM,RE,RN	93	11D	Fr.Ch. No. FA 351 847, w/ CAT.	08.1986->09.1990	Right	250-23802	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic	
LAND ROVER (cont'd)									
RANGE ROVER I (cont'd)									
3.5 Vogue	AE,AN,HAA,HAB	120	25D,24D		09.1986->10.1989	Left	250-23802		
	AE,AN,HAA,HAB	120	25D,24D		09.1986->10.1989	Right	250-23802		
	HAM,HBM,RE,RN	120	25D,24D		09.1986->10.1989	Left	250-23802		
	HAM,HBM,RE,RN	120	25D,24D		09.1986->10.1989	Right	250-23802		
3.9 CAT	AE,AN,HAA,HAB	127	37D		10.1989->07.1994	Left	250-23802		
	AE,AN,HAA,HAB	127	37D		10.1989->07.1994	Right	250-23802		
	HAM,HBM,RE,RN	127	37D		10.1989->07.1994	Left	250-23802		
	HAM,HBM,RE,RN	127	37D		10.1989->07.1994	Right	250-23802		
3.9 Vogue SEI	AE,AN,HAA,HAB	134	36D,35D		10.1989->07.1994	Left	250-23802		
	AE,AN,HAA,HAB	134	36D,35D		10.1989->07.1994	Right	250-23802		
	HAM,HBM,RE,RN	134	36D,35D		10.1989->07.1994	Left	250-23802		
	HAM,HBM,RE,RN	134	36D,35D		10.1989->07.1994	Right	250-23802		
4.3 Vogue LSE	AE,AN,HAA,HAB	149	40D		10.1992->07.1994	Left	250-23802		
	AE,AN,HAA,HAB	149	40D		10.1992->07.1994	Right	250-23802		
	HAM,HBM,RE,RN	149	40D		10.1992->07.1994	Left	250-23802		
	HAM,HBM,RE,RN	149	40D		10.1992->07.1994	Right	250-23802		
RANGE ROVER II									
3.9	LP	140	42D	To Ch. No. VA350483	09.1994->03.2002	Left	250-24804		
	LP	140	42D	To Ch. No. VA350483	09.1994->03.2002	Right	250-24804		
	LP	140	42D	Fr.Ch.No.VA350484,To Ch.No.WA410481	07.1994->03.2002	Left	250-24512		
	LP	140	42D	Fr.Ch.No.VA350484,To Ch.No.WA410481	07.1994->03.2002	Right	250-24512		
	LP	140	42D	Fr. Ch. No. XA410482	07.1994->02.2002	Left	250-24496		
	LP	140	42D	Fr. Ch. No. XA410482	07.1994->03.2002	Right	250-24496		
4.0	LP	136	42D	To Ch. No. VA350483	06.1998->03.2002	Left	250-24804		
	LP	136	42D	To Ch. No. VA350483	06.1998->03.2002	Right	250-24804		
	LP	136	42D	Fr.Ch.No.VA350484,To Ch.No.WA410481	06.1998->03.2002	Left	250-24512		
	LP	136	42D	Fr.Ch.No.VA350484,To Ch.No.WA410481	06.1998->03.2002	Right	250-24512		
	LP	136	42D	Fr. Ch. No. XA410482	06.1998->03.2002	Left	250-24496		
	LP	136	42D	Fr. Ch. No. XA410482	06.1998->03.2002	Right	250-24496		
4.6	LP	160	46D	To Ch. No. VA350483	06.1998->03.2002	Left	250-24804		
	LP	160	46D	To Ch. No. VA350483	06.1998->03.2002	Right	250-24804		
	LP	160	46D	Fr.Ch.No.VA350484,To Ch.No.WA410481	06.1998->03.2002	Left	250-24512		
	LP	160	46D	Fr.Ch.No.VA350484,To Ch.No.WA410481	06.1998->03.2002	Right	250-24512		
	LP	160	46D	Fr. Ch. No. XA410482	06.1998->03.2002	Left	250-24496		
	LP	160	46D	Fr. Ch. No. XA410482	06.1998->03.2002	Right	250-24496		
	LP	165	46D	Fr. Ch. No. XA410482	09.1994->03.2002	Left	250-24496	250-24498	
	LP	165	46D	Fr. Ch. No. XA410482	09.1994->03.2002	Right	250-24496	250-24498	
	RANGE ROVER III								
	4.2	LM	291	AJ-V8-4.2		06.2005->06.2009	Left	250-54062	250-24455
LM		291	AJ-V8-4.2		06.2005->06.2009	Right	250-54062	250-24455	
4.4	LM	210	M62B44-285		03.2002->06.2009	Left	250-24611	250-24392	
	LM	210	M62B44-285		03.2002->06.2009	Right	250-24611	250-24392	
RANGE ROVER EVOQUE									
2.0 4x4	LV	177			06.2011->up		250-241055		
RANGE ROVER SPORT									
4.2	LS	287	AJ-V8-4.2		06.2005->up	Left	250-24714	250-24455	
	LS	287	AJ-V8-4.2		06.2005->up	Right	250-24714	250-24455	
4.4	LS	220	LANDR05		06.2005->up	Left	250-24714	250-24455	
	LS	220	LANDR05		06.2005->up	Right	250-24714	250-24455	
5.0 V8 4x4	LS	276	AJ133-V8-5.0		07.2009->up	Left	250-54072		
	LS	276	AJ133-V8-5.0		07.2009->up	Right	250-54072	250-24509	
5.0 V8 4x4	LS	375	AJ133-V8-5.0-SC		09.2009->up	Left	250-54072		
	LS	375	AJ133-V8-5.0-SC		09.2009->up	Right	250-54072	250-24509	
LEXUS									
GS300									
3.0	JZS147	156	2JZ-GE		08.1995->08.1997			250-24360	
	JZS160	161	2JZ-GE		10.2000->12.2004	Cyl 1-3	250-24137	250-24225	
	JZS160	161	2JZ-GE		10.2000->12.2004	Cyl 4-6	250-24305	250-24839	
	GRS_ UZS_	183	3GRFSE		01.2005->09.2007	Cyl 1-3	250-54050	250-24684	
	GRS_ UZS_	183	3GRFSE		01.2005->09.2007	Cyl 4-6	250-54050	250-24684	
	GRS_ UZS_	183	3GRFSE		09.2007->up	Cyl 1-3	250-54050	250-24213	
	GRS_ UZS_	183	3GRFSE		09.2007->up	Cyl 4-6	250-54050	250-24213	
GS300 T3									
3.0	JZS160	163	2JZ-GE		09.1997->09.2000	Cyl 1-3	250-24137	250-24839	
	JZS160	163	2JZ-GE		09.1997->09.2000	Cyl 4-6	250-24305	250-24839	
	JZS160	163	2JZ-GE		09.1997->09.2000	Cyl 1-3	250-24225	250-24840	
	JZS160	163	2JZ-GE		09.1997->09.2000	Cyl 4-6	250-24106	250-24840	
GS350									
3.5		218			07.2009->12.2011	Left		250-24244	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
LEXUS (cont'd)								
GS430								
3.5	GRS_, UZS_	218	2GRFSE	Hybrid	02.2006->up	Left	250-54050	250-24213
	GRS_, UZS_	218	2GRFSE	Hybrid	02.2006->up	Right	250-54050	250-24213
4.3	JZS160	208	3UZ-FE		11.2000->12.2004	Left	250-24169	250-24623
	JZS160	208	3UZ-FE		11.2000->12.2004	Right	250-24225	250-24623
	GRS_, UZS_	208	3UZ-FE		04.2005->09.2008	Left	250-24169	250-24213
	GRS_, UZS_	208	3UZ-FE		04.2005->09.2008	Right	250-24225	250-24213
IS200								
2.0	GXE10	114	1G-FE		04.1999->07.2005	Cyl 1-3	250-24106	250-24226
	GXE10	114	1G-FE		04.1999->07.2005	Cyl 4-6	250-24225	250-24840
2.2D4		110			08.2010->up			250-54096
		130			08.2010->up			250-54096
IS220								
2.2D4		130			02.2006->08.2009			250-54096
		130			11.2005->08.2010			250-54096
IS250								
2.5		153	4GRFSE		10.2005->08.2010	Left	250-54050	250-24213
		153	4GRFSE		10.2005->08.2010	Right	250-54050	250-24213
IS I								
300	JCE1_, GXE1_	157			09.2001->07.2005		250-24344	250-24938
IS I 300								
3.0	GXE10	157	2JZ-GE		09.2001->07.2005		250-24344	250-24938
IS II								
200d		110	2AD-FTV	Body GSE2_, ALE2_, USE2_	07.2010->up			250-54096
220d (ALE20)		130	2AD-FHV	Body GSE2_, ALE2_, USE2_	10.2005->up			250-54096
IS SPORTCROSS 200								
2.0		114	1G-FE		10.2002->07.2005	Cyl 1-3	250-24106	250-24226
		114	1G-FE		10.2002->07.2005	Cyl 4-6	250-24225	250-24840
IS SPORT CROSS 300								
3.0		157	2JZ-GE		10.2001->07.2005		250-24344	250-24938
LS400								
4.0	UCF10	180	1UZ-FE		12.1989->08.1992	Left	250-24220	250-22009
	UCF10	180	1UZ-FE		12.1989->08.1992	Right	250-24220	250-22009
	UCF10	180	1UZ-FE		08.1992->10.1994	Left	250-24220	250-22011
	UCF10	180	1UZ-FE		08.1992->10.1994	Right	250-24220	250-22011
	UCF20	194	1UZ-FE		12.1994->07.1997	Left	250-24169	250-24839
	UCF20	194	1UZ-FE		12.1994->07.1997	Right	250-24169	250-24839
	UCF20	209	1UZ-FE		09.1997->08.2000	Left	250-24169	250-24839
	UCF20	209	1UZ-FE		09.1997->08.2000	Right	250-24169	250-24839
LS430								
4.3	FE	207	3UZ-FE		10.2000->08.2006	Left	250-24169	250-24483
	FE	207	3UZ-FE		10.2000->08.2006	Right	250-24225	250-24483
LS460								
4.6		280	1UR-FSE		08.2006->09.2008	Left	250-54006	250-24623
		280	1UR-FSE		08.2006->09.2008	Right	250-54050	250-24623
RX300								
3.0	MCU_	150	1MZ-FE		05.2003->01.2006	Left	250-54059	250-24420
	MCU_	150	1MZ-FE		05.2003->01.2006	Right	250-54059	250-24837
RX300 V6								
3.0	XU1	148	1MZ-FE		10.2000->02.2003	Left	250-54054	●250-24277
	XU1	148	1MZ-FE		10.2000->02.2003	Right	250-54054	
RX350								
3.5	MCU_	203	2GR-FE		02.2006->12.2008	Left	250-54007	250-24420
	MCU_	203	2GR-FE		02.2006->12.2008	Right	250-54059	250-24837
3.5		183			08.2010->up	Left	250-54084	
		183			08.2010->up	Right	250-54084	250-24870
RX400h								
3.3	MCU_	155	3MZ-FE	Hybrid	03.2005->12.2008	Left	250-54059	250-24420
	MCU_	155	3MZ-FE	Hybrid	03.2005->12.2008	Right	250-54008	250-24837
RX450								
3.5		183			08.2010->up	Left	250-54084	
		183			08.2010->up	Right	250-54084	250-24870
RX450h								
450h AWD		183	2GRFXE	Body GYL1_, GGL15, AGL10	12.2008->up	Left	250-54084	250-24870
		183	2GRFXE	Body GYL1_, GGL15, AGL10	12.2008->up	Right	250-54084	



Make Model	Body	Kw	Engine Design	Appication Identification	Date	Bank	Regulating	Diagnostic
LEXUS (cont'd)								
SC430								
4.3		210	3UZ-FE	Diag. sensor grommet 37mm	05.2001->08.2005	Left	250-24169	250-24483
		210	3UZ-FE	Diag. sensor grommet 37mm	05.2001->08.2005	Right	250-24225	250-24483
		210	3UZ-FE	Diag. sensor grommet 33mm	05.2001->07.2010	Left	250-24169	250-24188
		210	3UZ-FE	Diag. sensor grommet 33mm	05.2001->07.2010	Right	250-24225	250-24188
MAZDA								
2								
1.25	B2W	55	DHC		04.2003->up		250-24001	250-24001
1.3	DE	55	ZJ-VE		10.2007->up		250-54081	
	DE	63	ZJ-VE		10.2007->up		250-54081	
1.3 L	DY	67			06.2007->up		250-54081	
1.4	B2W	59	ZH14		04.2003->up		250-24001	250-24001
1.5	DE	76	ZY-DE,ZY-VE		10.2007->up		250-54081	250-24676
	DY	82	ZY-VE		06.2007->up		250-54081	
1.6	B2W	74	DURA16		04.2003->up		250-24001	250-24001
3								
1.4	BK14	62	MZR14		10.2003->up		250-24904	250-24676
1.6	BK14	77	MZR16		10.2003->up		250-24904	250-24676
1.6 MZR CD	BL	85	MZ-CD16		11.2010->up			250-25097
2.0	BK14	110	MZR20		10.2003->02.2006		250-24660	250-24661
	BK14	110	MZR20		03.2006->up		250-25029	250-24718
2.0 MZR	BL	110	MZR20		06.2009->up			250-24872
2.3 DiSi Turbo MPS	BK14	184	MZR-DSI		07.2006->up		250-25067	250-24795
3 SALOON								
1.6	BK12	77	MZR16		02.2004->up		250-24904	250-24676
2.0	BK12	110	MZR20		02.2004->02.2006		250-24660	250-24661
	BK12	110	MZR20		03.2006->up		250-25029	250-24718
5								
1.6 CD	CW	85	MZ-CD16		09.2010->up			250-25097
1.8	CR19	85	MZR18		03.2005->up			250-24660
1.8 MZR	CW	85	MZR18		01.2012->up			250-24872
2.0	CR19	107	MZR20		03.2005->up			250-24769
2.0 CD	CR19	81	MZR-CD20		03.2005->up			800-94001
	CR19	105	MZR-CD20		06.2005->up			800-94001
6								
1.8	GG	88	MZR18		08.2002->02.2005		250-24875	250-24964
	GG	88	MZR18		03.2005->up		250-25074	250-24937
1.8 MZR	GH	88	MZR18		08.2007->up		250-25096	250-24769
2.0	GG	104	MZR20		06.2002->02.2005		250-24875	250-24964
	GG	104	MZR20		03.2005->up		250-25074	250-24937
	GG	88	MZR-CD20(120)		04.2005->up			800-94001
	GG	105	MZR-CD20(143)		04.2005->up			800-94001
2.0 MZR	GH	108	MZR20		08.2007->up		250-25096	250-24769
	GG	108	MZR20		03.2005->08.2007			250-24937
2.0 DI	GG	89	MZR-CD20		04.2005->up			800-94001
	GG	105	MZR-CD20		06.2005->up			800-94001
2.3	GG	122	L3		06.2002->02.2005		250-24875	250-24964
	GG	122	L3		03.2005->up		250-25074	250-24937
	CG	191	L3		12.2005->up		250-25066	250-24791
2.5 MZR	GH	125	MZR25		08.2007->up		250-25090	
6 HATCHBACK								
1.8	GG	88	MZR18		08.2002->02.2005		250-24875	250-24964
	GG	88	MZR18		04.2005->up		250-25074	250-24937
2.0	GG	104	MZR20		08.2002->02.2005		250-24875	250-24964
	GG	108	MZR20		04.2005->up		250-25074	250-24937
2.0 DI	GG	89	MZR-CD20		04.2005->up			800-94001
	GG	105	MZR-CD20		06.2005->up			800-94001
2.3	GG	122	L3		08.2002->02.2005		250-24875	250-24964
	GG	122	L3		03.2005->up		250-25074	250-24937
6 KOMBI								
1.8 MZR	GH	88	MZR18		02.2008->up		250-25096	250-24769
2.0 MZR	GH	108	MZR20		02.2008->up		250-25096	250-24769
6 STATION WAGON								
1.8	GY	88	MZR18		08.2002->02.2005		250-24875	250-24964
	GY	88	MZR18		03.2005->up		250-25074	250-24937
2.0	GY	104	MZR20		08.2002->02.2005		250-24875	250-24964
	GY	104	MZR20		03.2005->up		250-25074	250-24937
	GY	108	MZR20		03.2005->08.2007			250-24937
2.0 DI	GY	89	MZR-CD20		04.2005->up			800-94001
	GY	105	MZR-CD20		06.2005->up			800-94001



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MAZDA (cont'd)								
6 STATION WAGON (cont'd)								
2.3	GY	122	L3		08.2002->02.2005		250-24875	250-24964
	GY	122	L3		03.2005->up		250-25074	250-24937
121 II								
1.3 16V	DB	39	B3(16V)		11.1990->02.1996		250-23084	
	DB	53	B3(16V)		11.1990->02.1996		250-23084	
121 III								
1.25	JASM, JBSM	55	DHA		03.1996->02.2000		250-24015	
1.3	JASM, JBSM	37	JJA		03.1996->02.2000		250-24015	
	JASM, JBSM	44	HCS		05.1997->06.1998		250-24015	
323 C IV								
1.3	BG	49	B3E		09.1989->07.1994		250-21010	
1.3 16V	BG	54	B3-86		09.1989->05.1994		250-21010	
1.6	BG	62	B6I		09.1989->06.1991		250-21010	
1.6 16V	BG	65	B6I		03.1991->05.1994		250-21010	
1.8 16V 4WD	BG	76	BP		11.1991->12.1993		250-21010	
1.8 16V GT	BG	94	BP(DOHC)		09.1989->03.1993		250-21010	
1.8 16V Turbo 4WD	BG	136	BP-TH		01.1993->05.1994		250-21010	
323 C V								
1.5 16V	BA	65	Z5-DE		08.1994->04.1995		250-23085	
	BA	65	Z5-DE		04.1995->09.1996		250-24369	
1.8 16V	BA	84	BP-ZE		08.1994->09.1996		250-24245	
323 F IV								
1.6	BG	62	B6I		09.1989->06.1991		250-21010	
1.6 16V	BG	65	B6I		03.1991->05.1994		250-21010	
1.8 4WD	BG	76	BP-106		01.1991->04.1994		250-21010	
1.8 16V	BG	76	BP		03.1991->05.1994		250-21000	
1.8 16V GT	BG	94	BP(DOHC)		08.1989->07.1994		250-21010	
323 F V								
1.5 16V	BA	65	Z5-DE		10.1994->04.1995		250-23085	
	BA	65	Z5-DE		10.1996->06.1998		250-24369	
1.8 16V	BA	84	BP-ZE		08.1994->09.1996		250-24245	
2.0 24V	BA	106	KF		04.1995->09.1996		250-24400	
323 F VI								
1.5 16V	BJ	65	ZL		09.1998->09.2000		250-24400	
1.6	BJ	70	ZM		01.2001->10.2003		250-24400	
	BJ	72	ZM		01.2001->10.2003		250-24400	
1.9 16V	BJ	84	FP	A/T	09.1998->09.2000		250-24400	
	BJ	84	FP	M/T	09.1998->09.2000		250-24629	
2.0	BJ	96	FS7G,FS7E		01.2001->10.2003		250-24978	250-24986
323 III								
1.6 GT	BF	63	B6		11.1986->10.1989		250-21000	
1.6 GT Turbo	BF	103	B6		06.1987->05.1989		250-21000	
323 III HATCHBACK								
1.6 GT	BF	63	B6		09.1987->10.1989		250-21000	
323 III STATION WAGON								
1.6	BW	63	B65M,B6E		07.1987->10.1995		250-21000	
1.6 4x4	BW	63	B65M,B6E		05.1990->03.1993		250-21000	
323 P V								
1.5 16V	BA	65	Z5-DE		10.1996->06.1998		250-24369	
323 S IV								
1.3	BG	49	B3E,B383		09.1989->06.1991		250-21010	
1.3 16V	BG	54	B3(16V)		04.1991->05.1994		250-21010	
1.6	BG	62	B6,B6I		09.1989->06.1991		250-21010	
1.6 16V	BG	65	B6,B6I		08.1989->05.1994		250-21010	
1.8 16V 4WD	BG	76	BPTH		09.1991->07.1994		250-21010	
2.0	BJ	96		To Con. 10.2003	01.2001->05.2004		250-24978	250-24986
323 S V								
1.5 16V	BA	65	Z5-DE		08.1994->04.1995		250-23085	
	BA	65	Z5-DE		10.1996->6.1998		250-24369	
1.8 16V	BA	84	BP-ZE		08.1994->06.1998		250-24245	
323 S VI								
1.6	BJ	70	ZM		01.2001->10.2003		250-24400	
	BJ	72	ZM-3		01.2001->10.2003		250-24400	
2.0	BJ	96	FS7G,FS7E		01.2001->10.2003		250-24978	250-24986
626 II								
2.0	GC	74	FE	Fr.Ch. No. 700001	03.1983->09.1987		250-21012	
	GC	88	FE		01.1986->09.1987		250-21012	



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MAZDA (cont'd)								
626 II HATCHBACK								
2.0	GC	74	FE	Fr.Ch. No. 700001	03.1983->09.1987		250-21012	
	GC	88	FE		01.1986->09.1987		250-21012	
626 III								
2.0	GD	66	FE	To Ch. No. 500000	09.1987->10.1990		250-21012	
	GD	66	FE	Fr.Ch. No. 500001	01.1989->10.1990		250-21020	
2.0 12V	GD	79	FE(12V)		08.1989->01.1992		250-21012	
	GD	85	F2		08.1989->07.1991		250-21012	
626 III COUPE								
2.0	GD	66	FE		08.1989->10.1990		250-21012	
2.2 12V	GD	85	F2		08.1989->12.1991		250-21012	
626 III HATCHBACK								
2.0	GD	66	FE	To Ch. No. 500000	09.1987->10.1990		250-21012	
	GD	66	FE	Fr.Ch. No. 500001	01.1989->10.1990		250-21020	
2.2 12V	GD	85	F2		06.1988->08.1989		250-21012	
2.2 12V 4WD	GD	85	F2		08.1989->07.1990		250-21012	
626 III STATION WAGON								
2.0	GV	66	FE		10.1998->02.1992		250-21020	
2.0 16V	GV	103	FEKat(16V)		10.1998->02.1992		250-21020	
2.0i 16V	GV	110	FE-Y8		11.1994->09.1997		250-21020	
2.2 12V	GV	85	F2	China manufactured	03.1992->11.1996		250-21020	
	GV	85	F2		03.1989->02.1992		250-21020	
2.2 12V 4WD	GV	85	F2-G6		05.1991->11.1992		250-21020	
626 IV								
1.8i	GE	66	FP		08.1994->04.1997		250-24068	
	GE	77	FS		01.1992->04.1997		250-24068	
2.0i	GE	85	FS		01.1992->04.1997		250-24068	
2.0i 4WD	GE	85	FS		04.1992->05.1994		250-24067	
626 IV HATCHBACK								
1.8	GE	66	FP		08.1994->04.1997		250-24068	
	GE	77	FP		08.1991->04.1997		250-24068	
2.0i	GE	85	FS		08.1991->04.1997		250-24068	
2.0i 4WD	GE	85	FS		04.1992->04.1997		250-24068	
2.5 24V	GE	120	KL		08.1994->04.1997	Left	250-24068	
	GE	120	KL		08.1994->04.1997	Right	250-24067	
	GE	121	KL		08.1994->04.1997	Left	250-24068	
	GE	121	KL		08.1994->04.1997	Right	250-24067	
626 V								
1.9	GF	66	FP		05.1997->12.1999		250-24068	
	GF	74	FP		12.1999->05.2002		250-24629	
2.0	GF	85	FS		To->05.1997		250-24068	
	GF	85	FS	A/T	11.1997->05.2002		250-24400	
	GF	85	FS	M/T	11.1997->05.2002		250-24629	
	GF	100	FS	A/T	11.1998->05.2002		250-24400	
	GF	100	FS	M/T	04.1998->05.2002		250-24629	
626 V HATCHBACK								
1.8	GF	66	FP		05.1997->12.1999		250-24068	
1.9	GF	74	FP		12.1999->05.2002		250-24629	
2.0	GF	85	FS		To->05.1997		250-24068	
	GF	85	FS	A/T	06.1997->05.2002		250-24400	
	GF	85	FS	M/T	06.1997->05.2002		250-24629	
2.0 H.P.	GF	100	FS	A/T	02.1998->05.2002		250-24400	
	GF	100	FS	M/T	02.1998->05.2002		250-24629	
626 V STATION WAGON								
1.9	GW	66	FP		02.1998->01.2000		250-24629	
	GW	74	FP9A		01.2000->05.2002		250-24629	
2.0	GW	85	FS	A/T	02.1998->05.2002		250-24400	
	GW	85	FS	M/T	02.1998->05.2002		250-24629	
2.0 H.P.	GW	100	FS2C	A/T	02.1998->05.2002		250-24400	
	GW	100	FS2C	M/T	02.1998->05.2002		250-24629	
929								
2200		85			09.1989->01.1992		250-22006	
2200i		93			09.1989->01.1992		250-22006	
2200i		100			09.1989->01.1992		250-22006	
929 III								
2.0	HC	85	FEFA,FE		06.1987->12.1988		250-21012	
2.2 12V	HC	85	F2		01.1988->04.1989		250-21012	
	HC	94	F2C		04.1989->06.1991		250-21012	
2.2i	HC	100	F2EGI		05.1987->12.1988		250-21012	



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MAZDA (cont'd)								
929 III (cont'd)								
3.0	HC	125	JE3		01.1988->12.1989		250-23086	
	HC	140	JE		06.1987->06.1991		250-23086	
3.0i	HC	123	JE3		01.1990->06.1991		250-23086	
B-SERIES								
2.0	UF	62			11.1989->08.1991		250-21012	
2.2	UF	68	F2L8		08.1991->12.1996		250-22004	
2.2 4WD	UN	60	R5A2		02.1999->up		250-22004	
2.2 8V 4WD	UN	68	F2R4		06.1999->up		250-22004	
2.6 4x4	UF	73	G6-12		11.1989->01.1990		250-22085	
2.6 12V 4WD	UF	90	G6MPV		01.1990->03.1996		250-22085	
	UN	90	JK26		06.1999->up		250-24067	
CX-7								
2.3 MZR DISI Turbo	ER	191	MZR-DISI		09.2009->up			250-24782
DEMIO								
1.3 16V	DW	46	B3		08.1998->12.2000		250-23000	250-241048
	DW	46	B3		08.2000->03.2003		250-24400	250-241048
	DW	53	B3(16V)		08.1998->04.2000		250-23000	250-241048
1.5 16V	DW	55	ZL		04.2000->03.2003		250-24400	250-241048
MPV II								
2.0	LW	90	FSDS		09.1999->08.2000		250-24905	
	LW	88	FSD		08.2000->07.2002		250-24378	250-24366
2.3	LW	104	I3		07.2002->up		250-24271	
2.5 V6	LW	125	GYDE		09.1999->03.2002	Left	250-24245	
	LW	125	GYDE		09.1999->03.2002	Right	250-24183	
3.0 V6	LW	147	AJ200		03.2002->up	Left	250-24628	250-24130
	LW	147	AJ		03.2002->up	Right	250-24068	250-24130
MX-3								
1.6 i	EC	65	B69		07.1991->01.1994		250-21010	
	EC	79	B6D		01.1994->06.1995		250-23085	
	EC	79	B6D		06.1995->02.1998		250-24369	
1.8 i V6	EC	95	K838		01.1994->02.1998	Left	250-24245	250-24634
	EC	95	K838		01.1994->02.1998	Right	250-24245	250-24634
	EC	98	K819		01.1992->01.1994	Left	250-24245	250-24634
	EC	98	K819		01.1992->01.1994	Right	250-24245	250-24634
MX-5 I								
1.6	NA	66	B69J		07.1996->02.1998		250-24123	
	NA	85	B6ZE		05.1990->08.1993		250-21035	
1.8	NA	96	BPF1		02.1994->02.1998		250-24123	
MX-5 II								
1.6 16V	NB	81	B64J		05.1998->08.2000		250-24112	
	NB	81	B64J		09.2000->03.2005		250-24359	250-24111
1.8 16V	NB	103	BPZE		05.1998->08.2000		250-24112	
1.9 16V	NB	102	BP5C		11.2000->03.2005		250-24128	250-24641
	NB	107	BP5C		11.2000->03.2005		250-24359	250-24111
MX-5 III								
1.8	NC	93	MZR18		03.2005->up		250-54080	250-24725
2.0	NC	118	MZR20		03.2005->up		250-54080	250-24725
MX-6								
2.0	GE6	85	FS		02.1992->08.1997		250-24068	
2.5 24V	GE6	121	KL		02.1992->08.1997	Left	250-24068	
	GE6	121	KL		02.1992->08.1997	Right	250-24067	
2.5i 24V	GE6	120	KL		08.1994->08.1997	Left	250-24068	
	GE6	120	KL		08.1994->08.1997	Right	250-24067	
PREMACY								
1.8	CP	74	FP		07.1999->08.2000		250-24629	
	CP	74	FP		08.2000->06.2001		250-24978	250-24986
1.9	CP	84	FP		07.1999->08.2005		250-24978	250-24986
2.0	CP	96	FS7G,FS7E		11.2001->08.2005		250-24978	250-24986
RX 7 II								
Turbo	FC	147	RE13B	Rotary Engine	03.1989->11.1991		250-21000	
RX 7 III								
Twin Turbo	FD	176	13BREW	Rotary Engine	07.1992->up		250-21020	
RX 8								
2.6	SE17	141	13B-MSP(192)	Rotary Engine	10.2003->up		250-54031	250-24325
	SE17	170	13BMSP	Rotary Engine	10.2003->up		250-54031	250-24131
2.6	SE17	141	13B-N3Z1		04.2008->06.2012		250-54044	
	SE17	170	13B-N3Z3		04.2008->06.2012		250-54044	



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MAZDA (cont'd)								
TRIBUTE								
2.0	EP	91	YF		03.2000->12.2003		250-24302	250-24070
2.0 4WD	EP	91	YF		03.2000->12.2003		250-24302	250-24070
2.3 AWD	EP	110	L3		04.2004->up		250-24301	250-24127
	EP	110	L3		04.2004->up	Center	250-24001	
2.3 GX	EP	110	L3		01.2004->10.2004		250-24301	250-24127
	EP	110	L3		01.2004->10.2004	Center	250-24001	
3.0 V6 24V 4WD	EP	145	AJ		03.2000->up	Left	250-24302	250-24127
	EP	145	AJ		03.2000->up	Right	250-24749	250-24127
3.0 V6 AWD	EP	149	AJ		04.2004->up	Left	250-24302	250-24127
	EP	149	AJ		04.2004->up	Right	250-24749	250-24127
XEDOS 6								
1.6 16V	CA	79	B6		04.1996->09.1996		250-24067	
2.0 V6	CA	103	K8-ZE20		06.1994->12.1994	Left	250-24068	
	CA	103	K8-ZE20		06.1994->12.1994	Right	250-24067	
	CA	103	K8-ZE20		12.1994->11.1999	Left	250-23042	
	CA	103	K8-ZE20		12.1994->11.1999	Right	250-23042	
	CA	106	K8-ZE20		01.1992->05.1994	Left	250-24068	
	CA	106	K8-ZE20		01.1992->05.1994	Right	250-24067	
XEDOS 9								
2.0 24V	TA	105	K8-ZE20		10.1993->01.1995	Left	250-23095	
	TA	105	K8-ZE20		10.1993->01.1995	Right	250-23097	
	TA	105	K8-ZE20		01.1995->01.2000	Left	250-24629	
	TA	105	K8-ZE20		01.1995->01.2000	Right	250-24362	
2.3 24V	TA	155	KJ-ZEM		02.1995->01.2000	Left	250-23097	
	TA	155	KJ-ZEM		02.1995->01.2000	Right	250-23094	
2.5 24V	TA	123	K8-ZE25		10.1993->01.1995	Left	250-23095	
	TA	123	K8-ZE25		10.1993->01.1995	Right	250-23097	
	TA	123	K8-ZE25		01.1995->07.2000	Left	250-24629	
	TA	123	K8-ZE25		01.1995->07.2000	Right	250-24362	
2.5 V6	TA	120	K8-ZE25		09.2000->up	Left	250-24365	250-24629
	TA	120	K8-ZE25		09.2000->up	Right	250-24475	250-24128
MERCEDES								
123 SERIES								
230CE								
	C123	100	M102.980		04.1980->12.1985		250-21000	
230E								
	W123	100	M102.980		04.1980->12.1985		250-21000	
123 SERIES (T MODEL)								
230TE								
	S123	100	M102.980		04.1980->11.1985		250-21000	
124 SERIES								
200								
	W124	77	M102.922		01.1986->05.1990		250-23073	
	W124	75	M102.922		01.1986->02.1990		250-23073	
	W124	80	M102.922		12.1985->02.1990		250-23073	
200E								
	W124	87	M102.963		09.1988->08.1992		250-23073	
	W124	90	M102.963		09.1988->12.1989		250-23073	
	W124	100	M111.940		10.1992->06.1993		250-24792	
220CE								
	C124	110	M111.960		10.1992->05.1993		250-24792	
220E								
	W124	110	M111.960		10.1992->06.1993		250-24034	
230CE								
	C124	97	M102.982		03.1987->12.1992		250-23073	
	C124	97	M102.982		06.1989->12.1992		250-23073	
	C124	100	M102.982		03.1987->12.1992		250-23073	
230E								
	W124	97	M102.982	A/T, To Eng.No.147101	12.1984->03.1992		250-23073	
	W124	97	M102.982	M/T, To Eng.No.146596	12.1984->03.1992		250-23073	
	W124	100	M102.982		01.1985->06.1993		250-23073	
260E								
	W124	118	M103.940		09.1985->08.1992		250-23073	
	W124	122	M103.940		09.1985->12.1989		250-23073	
4-matic	W124	118	M103.943		09.1986->08.1992		250-23067	
	W124	118	M103.943	Norway, Sweden, Switzerland	09.1986->08.1992		250-23063	
	W124	122	M103.943		12.1986->12.1989		250-23067	



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MERCEDES (cont'd)								
124 SERIES (cont'd)								
280E								
	W124	145	M104.942		10.1992->06.1993		250-24034	
300CE								
	C124	138	M103.983		03.1987->12.1989		250-23073	
	C124	132	M103.983		03.1987->05.1993		250-23073	
300CE-24								
	A124	162	M104.980	Convertible	04.1992->06.1993		250-23073	
	C124	162	M104.980		09.1989->12.1992		250-23073	
300E								
	W124	138	M103.980		03.1985->08.1985		250-23073	
	W124	132	M103.983		08.1985->08.1992		250-23073	
	W124	138	M103.983		06.1985->08.1992		250-23073	
4-matic	W124	138	M103.983	Norway, Sweden, Switzerland	11.1986->02.1992		250-23063	
	W124	138	M103.983		09.1986->02.1992		250-23067	
	W124	132	M103.985		09.1986->06.1993		250-23067	
300E-24								
	W124	162	M104.980		07.1989->08.1992		250-23073	
320CE								
	C124	162	M104.992		10.1992->05.1993		250-24034	
320E								
	W124	162	M104.992		10.1992->06.1993		250-24034	
400E 4.2								
	W124	205	M119.975		10.1992->06.1993		250-24038	
500E								
	W124	240	M119.974	To Ch.No.B565713	01.1991->06.1993		250-24674	
	W124	240	M119.974	Fr.Ch.No.B565714	01.1991->06.1993		250-24038	
500E AMG 6.0								
	W124	275	M119.974	Fr.Ch.No.B840529	01.1992->06.1993		250-24044	
	W124	275	M119.974	Fr.Ch.No.B565714, To Ch.No.B840528	01.1992->06.1993		250-24038	
SERIES 124 (T MODEL)								
200T								
	S124	77	M102.922		03.1986->02.1990		250-23073	
	S124	80	M102.922		03.1986->08.1989		250-23073	
200TE								
	S124	87	M102.963		10.1988->08.1992		250-23073	
	S124	90	M102.962		10.1988->12.1989		250-23073	
	S124	100	M111.940		10.1992->06.1993		250-24792	
220TE								
	S124	110	M111.960		10.1992->05.1993		250-24034	
230TE								
	S124	97	M102.982		03.1986->08.1992		250-23073	
	S124	100	M102.982		03.1986->08.1992		250-23073	
260TE FGST								
	S124	118	M103.940		09.1989->08.1992		250-23073	
	S124	122	M103.940		09.1985->12.1989		250-23073	
280TE								
	S124	145	M104.942		10.1992->06.1993		250-24034	
300TE								
	S124	132	M103.983		03.1986->08.1992		250-23073	
	S124	138	M103.983		01.1986->12.1989		250-23073	
4-matic	S124	132	M103.985		09.1989->06.1993		250-23067	
	S124	138	M103.985		11.1986->12.1989		250-23067	
	S124	138	M103.983	Norway, Sweden, Switzerland	11.1986->12.1989		250-23063	
300TE-24								
	S124	162	M104.980		09.1989->08.1992		250-23073	
320TE								
	S124	162	M104.992		10.1992->06.1993		250-24034	
SERIES 190								
2.0								
	W201	75	M102.924		01.1986->12.1989		250-23067	
	W201	75	M102.924		01.1990->05.1990		250-23073	
	W201	77	M102.924		09.1984->12.1989		250-23067	
	W201	77	M102.924		01.1990->05.1990		250-23073	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
SERIES 190 (cont'd)								
E2.0								
	W201	83	M102.962		02.1985->12.1986		250-23067	
	W201	85	M102.962	A/T; To Eng.No.122335	09.1985->08.1986		250-23067	
	W201	85	M102.962	A/T; Fr.Eng.No.122336	09.1985->08.1986		250-23066	
	W201	85	M102.962	M/T; To Eng.No.236838	09.1985->08.1986		250-23067	
	W201	85	M102.962	M/T; Fr.Eng.No.236839	09.1985->08.1986		250-23066	
	W201	87	M102.962	A/T; To Eng.No.122335	09.1986->08.1993		250-23067	
	W201	87	M102.962	A/T; Fr.Eng.No.122336	09.1986->08.1993		250-23066	
	W201	87	M102.962	M/T; To Eng.No.236838	09.1986->08.1993		250-23067	
	W201	87	M102.962	M/T; Fr.Eng.No.236839	09.1986->08.1993		250-23066	
	W201	90	M102.961		12.1982->09.1988		250-23067	
E2.3								
	W201	97	M102.985		09.1988->08.1991		250-23067	
	W201	100	M102.985		10.1986->08.1988		250-23067	
E2.3-16								
	W201	125	M102.983		09.1985->12.1987		250-23067	
	W201	130	M102.983		09.1985->08.1988		250-23067	
	W201	136	M102.983		04.1984->01.1987		250-23067	
E2.5-16								
	W201	143	M102.990		03.1989->up		250-23067	
	W201	150	M102.990		09.1988->up		250-23067	
E2.6								
	W201	122	M103.942		09.1986->09.1988		250-23067	
	W201	118	M103.942		09.1986->08.1993		250-23067	
E EVOLUTION II 2.5								
	W201	173	M102.990,M102.991		05.1990->08.1993		250-23067	
A-CLASS								
140								
	W168	60	M166.940		07.1997->08.2004		250-24469	250-24469
	W168	60	M166.960	Euro 3 (D3), Euro 4 (D4)	03.2001->08.2004		250-24469	250-24469
150								
	W169	70	M266.920		09.2004->04.2005		250-24251	250-24251
	W169	70	M266.920		04.2005->up		250-24675	250-24675
160								
	W168	75	M166.960		07.1997->08.2004		250-24469	250-24469
160 CDI								
	W169	60	OM640.942		09.2004->up			800-95008
170								
	W169	85	M266.940		09.2004->04.2005		250-24251	250-24251
	W169	85	M266.940		04.2005->up		250-24675	250-24675
180 CDI								
	W169	80	OM640.940		09.2004->up			800-95008
190								
	W168	92	M166.990		04.1999->08.2004		250-24469	250-24469
200								
	W169	100	M266.960		09.2004->04.2005		250-24251	250-24251
	W169	100	M266.960		04.2005->03.2008		250-24675	250-24675
	W169	100	M266.960		04.2008->up		250-24675	250-24675
Turbo	W169	142	M266.980		04.2008->up		250-24675	250-24675
200 CDI								
	W169	103	OM640.941		09.2004->up			800-95008
210								
	W168	103	M166.995		03.2002->08.2004		250-24469	250-24469
B CLASS								
150								
	W245	70	M266.920		05.2005->03.2008		250-24675	250-24675
170								
	W245	85	M266.940		05.2005->03.2008		250-24675	250-24675
180 CDI								
	W245	80	OM640.940		05.2005->up			800-95008
200								
	W245	100	M266.960		05.2005->03.2008		250-24675	250-24675
Turbo	W245	142	M266.980		05.2005->03.2008		250-24675	250-24675



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
B CLASS (cont'd)								
200 CDI								
	W245	103	OM640.941		05.2005->up			800-95008
C CLASS								
32 AMG								
Kompressor	W203	260	M112.961		02.2001->12.2003	Left	250-24468	250-24465
	W203	260	M112.961		02.2001->12.2003	Right	250-24469	250-24465
36 AMG								
	W202	206	M104.941(AMG3.6)	To Ch.No.A436535,F483847	09.1994->05.2000		250-24038	
	W202	206	M104.941(AMG3.6)	Fr.Ch.No.A436536,F48348	05.1994->03.2000		250-24609	
43 AMG								
	W202	225	M113.944		10.1997->03.2000	Left	250-24143	250-24413
	W202	225	M113.944		10.1997->03.2000	Right	250-24411	250-24419
55 AMG								
	W203	270	M113.988		02.2004->12.2006	Left	250-24468	250-24465
	W203	270	M113.988		02.2004->12.2006	Right	250-24469	250-24465
63 AMG								
	W204	336	M156.985		10.2008->up	Left	250-25043	250-24675
	W204	336	M156.985		10.2008->up	Right	250-25043	250-24675
180								
	W202	89	M111.921	To Eng.No.050883,117655	11.1994->05.2000		250-24000	
	W202	89	M111.921	Fr.Eng.No.050884,117656	11.1994->03.2000		250-24180	
	W202	90	M111.920	To Eng.No.050883,117655	03.1993->05.2000		250-24000	
	W202	90	M111.920	Fr.Eng.No.050884,117656	03.1993->03.2000		250-24180	
	W203	95	M111.951	Euro 4 (D4)	10.2000->05.2002		250-24463	250-24469
	W203	95	M111.951		10.2000->05.2002		250-24469	250-24468
Kompressor	W203	105	M271.946		06.2002->12.2006		250-25003	250-24468
	W204	115	271.91		04.2008->up			250-24468
	W204	115	M271.952		05.2007->up			250-24468
200								
	W202	100	M111.941	To Eng.No.014845,015981	01.1994->05.2000		250-24000	
	W202	100	M111.941	Fr.Eng.No.014846,015982	01.1994->03.2000		250-24180	
Kompressor	W204	135	M271.950		01.2007->up			250-24468
200 CDI								
	W203	90	OM646.962		01.2004->12.2006			800-95008
	W203	90	OM646.962	RH Drive	01.2004->12.2006			800-95010
	W204	100	646.812		10.2008->up			800-95009
	W204	100	OM646.811		05.2007->up			800-95009
	W204	100	OM646.811	RH Drive	05.2007->up			800-95010
200 GCI								
	W202	132	M111.944	To Eng.No.000054,003872	10.1995->05.2000		250-24551	
	W202	132	M111.944	Fr.Eng.No.000055,003873	10.1995->05.2000		250-24198	
	W202	132	M111.944	To Ch.No.A436535,F483847	10.1995->05.2000		250-24198	
	W202	132	M111.944	Fr.Ch.No.A436536,F483848	10.1995->03.2000		250-24180	
	W202	141	M111.944	To Eng.No.000054,003872	11.1996->05.2000		250-24551	
	W202	141	M111.944	Fr.Eng.No.000055,003873	11.1996->05.2000		250-24198	
	W202	141	M111.944	To Ch.No.A436535,F483847	11.1996->05.2000		250-24198	
	W202	141	M111.944	Fr.Ch.No.A436536,F483848	11.1996->03.2000		250-24180	
	W203	120	M271.940		06.2002->12.2006		250-25003	250-24468
	W203	120	M111.955		05.2000->05.2002		250-24469	250-24468
Kompressor	W203	125	M271.942		07.2003->12.2006		250-25003	250-24468
220								
	W202	110	M111.961	To Eng.No.017341,050895	03.1993->05.2000		250-24000	
	W202	110	M111.961	Fr.Eng.No.017342,050895	03.1993->03.2000		250-24180	
220 CDI								
	W203	110	OM646.963		02.2004->12.2006			800-95008
	W203	110	OM646.963	RH Drive	02.2004->12.2006			800-95010
	W204	125	OM646.811		01.2007->up			800-95009
	W204	125	OM646.811	RH Drive	01.2007->up			800-95010
230								
	W202	110	M111.974	To Eng.No.001871,004991	06.1996->06.1997		250-24551	
	W202	110	M111.974	Fr.Eng.No.001872,004992	06.1996->06.1997		250-24198	
Kompressor	W202	142	M111.975	To Eng.No.000555,005799	10.1995->05.2000		250-24551	
	W202	142	M111.975	Fr.Eng.No.000556,005800	10.1995->03.2000		250-24198	
	W202	142	M111.975	To Ch.No.A436535,F483847	10.1995->03.2000		250-24198	
	W202	142	M111.975	Fr.Ch.No.A436536,F483848	10.1995->03.2000		250-24180	
	W203	150	M272.920		01.2005->12.2006	Left	250-25045	250-24675
	W203	150	M272.920		01.2005->12.2006	Right	250-25045	250-24675



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
C CLASS (cont'd)								
230 (cont'd)								
	W203	141	M271.948		02.2004->12.2006		250-25003	250-24468
	W204	150	M272.911		05.2007->up	Left	250-25043	250-24686
	W204	150	M272.911		05.2007->up	Right	250-25043	250-24686
	W204	150	M272.921		01.2007->up	Left	250-25043	250-24675
	W204	150	M272.921		01.2007->up	Right	250-25043	250-24675
240								
	W202	125	M112.910		06.1997->03.2000	Left	250-24143	250-24413
	W202	125	M112.910		06.1997->03.2000	Right	250-24411	250-24419
	W203	125	M112.912		05.2000->up	Left	250-24468	250-24465
	W203	125	M112.912		05.2000->up	Right	250-24469	250-24465
4-Matic	W203	125	M112.916		09.2002->12.2006	Left	250-24468	250-24466
	W203	125	M112.916		09.2002->12.2006	Right	250-24468	250-24465
250 CDI								
	W204	150	651.911		10.2008->up			800-95015
280								
	W202	142	M104.941	To Ch.No.A436535,F483847	05.1993->05.2000		250-24038	
	W202	142	M104.941	Fr.Ch.No.A436536,F483848	05.1993->03.2000		250-24609	
	W202	145	M112.920		06.1997->03.2000	Left	250-24143	250-24413
	W202	145	M112.920		06.1997->03.2000	Right	250-24411	250-24419
	W202	145	M104.941	To Ch.No.A436535,F483847	06.1997->05.2000		250-24038	
	W202	145	M104.941	Fr.Ch.No.A436536,F483848	06.1997->03.2000		250-24609	
	W203	170	M272.940		07.2005->12.2006	Left	250-25045	250-24675
	W203	170	M272.940		07.2005->12.2006	Right	250-25045	250-24675
4-Matic	W203	170	M272.940		06.2005->12.2006	Left	250-25045	250-24468
	W203	170	M272.940		06.2005->12.2006	Right	250-25043	250-24469
	W204	170	M272.947		01.2007->up	Left	250-25043	250-24675
	W204	170	M272.947		01.2007->up	Right	250-25043	250-24675
	W204	170	M272.948		07.2007->up	Left	250-25043	250-24686
	W204	170	M272.948		07.2007->up	Right	250-25043	250-24686
320								
	W203	160	M112.946		05.2000->up	Left	250-24468	250-24465
	W203	160	M112.946		05.2000->up	Right	250-24469	250-24465
4-Matic	W203	160	M112.953		09.2002->12.2006	Left	250-24468	250-24466
	W203	160	M112.953		09.2002->12.2006	Right	250-24468	250-24465
320 CDI								
	W203	165	OM642.910		07.2005->12.2006			800-95009
	W203	165	OM642.910	RH Drive	07.2005->12.2006			800-95008
4-Matic	W204	165	OM642.960		05.2007->up			800-95008
4-Matic	W204	165	OM642.961		07.2007->up			800-95008
350								
	W203	200	M272.960		07.2005->12.2006	Left	250-25045	250-24675
	W203	200	M272.960		07.2005->12.2006	Right	250-25045	250-24675
4-Matic	W203	200	M272.970		07.2005->12.2006	Left	250-25045	250-24468
	W203	200	M272.970		07.2005->12.2006	Right	250-25043	250-24469
	W204	200	M272.961		01.2007->up	Left	250-25043	250-24675
	W204	200	M272.961		01.2007->up	Right	250-25043	250-24675
	W204	200	M272.971		07.2007->up	Left	250-25043	250-24686
	W204	200	M272.971		07.2007->up	Right	250-25043	250-24686
C 350 CGI (204.065)	W204	215	272.982		09.2008->up	Left		250-24857
32 AMG								
Kompressor	S203	260	M112.961		03.2001->12.2003	Left	250-24468	250-24465
	S203	260	M112.961		03.2001->12.2003	Right	250-24469	250-24465
43 AMG								
	S202	225	M113.944	To Ch.No.F980773	08.1997->03.2001	Left	250-24143	250-24413
	S202	225	M113.944	To Ch.No.F980773	08.1997->03.2001	Right	250-24411	250-24419
	S202	225	M113.944	Fr.Ch.No.F980774	08.1997->03.2001	Left	250-24468	250-24464
	S202	225	M113.944	Fr.Ch.No.F980774	08.1997->03.2001	Right	250-24466	250-24463
C55 AMG								
	S203	270	M113.988		02.2004->08.2007	Left	250-24468	250-24465
	S203	270	M113.988		02.2004->08.2007	Right	250-24469	250-24465
180								
	S203	95	M111.951	Euro 4 (D4)	10.2000->05.2002		250-24463	250-24469
	S203	95	M111.951		10.2000->05.2002		250-24469	250-24468
Kompressor	S204	115	M271.952		09.2007->up			250-24468
200 CDI								
	S203	90	OM646.962		04.2003->08.2007			800-95008
	S203	90	OM646.962	RH Drive	04.2003->08.2007			800-95010



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
C CLASS (cont'd)								
200 CDI (cont'd)								
	S204	100	OM646.811		09.2007->up			800-95009
200 GCI								
Kompressor	S203	125	M271.942		07.2003->08.2007		250-25003	250-24468
Kompressor	S203	120	M271.940		06.2002->08.2007		250-25003	250-24468
	S203	120	M111.955		03.2001->05.2002		250-24469	250-24468
	S203	105	M271.946		06.2002->08.2007		250-25003	250-24468
	S204	135	M271.950		09.2007->up			250-24468
220 CDI								
	S203	110	OM646.963		02.2004->08.2007			800-95008
	S203	110	OM646.963	RH Drive	02.2004->08.2007			800-95010
	S204	125	OM646.811		09.2007->up			800-95009
	S204	125	OM646.811	RH Drive	09.2007->up			800-95010
230								
	S203	150	M272.920		01.2005->08.2007	Left	250-25045	250-24675
	S203	150	M272.920		01.2005->08.2007	Right	250-25045	250-24675
Kompressor	S203	141	M271.948		02.2004->08.2007		250-25003	250-24468
	S204	150	M272.921		09.2007->up	Left	250-25043	250-24675
	S204	150	M272.921		09.2007->up	Right	250-25043	250-24675
240								
	S203	125	M112.912		03.2001->08.2007	Left	250-24468	250-24465
	S203	125	M112.912		03.2001->08.2007	Right	250-24469	250-24465
4-Matic	S203	125	M112.916		09.2002->08.2007	Left	250-24468	250-24466
	S203	125	M112.916		09.2002->08.2007	Right	250-24468	250-24465
280								
	S203	170	M272.940		07.2005->08.2007	Left	250-25045	250-24675
	S203	170	M272.940		07.2005->08.2007	Right	250-25045	250-24675
4-Matic	S203	170	M272.940		06.2005->08.2007	Left	250-25045	250-24468
	S203	170	M272.940		06.2005->08.2007	Right	250-25043	250-24469
	S204	170	M272.947		09.2007->up	Left	250-25043	250-24675
	S204	170	M272.947		09.2007->up	Right	250-25043	250-24675
320								
	S203	160	M112.946		03.2001->08.2007	Left	250-24468	250-24465
	S203	160	M112.946		03.2001->08.2007	Right	250-24469	250-24465
	S203	200	M272.960		07.2005->08.2007	Left	250-25045	250-24675
	S203	200	M272.960		07.2005->08.2007	Right	250-25045	250-24675
4-Matic	S203	160	M112.953		09.2002->08.2007	Left	250-24468	250-24466
	S203	160	M112.953		09.2002->08.2007	Right	250-24468	250-24465
4-Matic	S203	200	M272.970		07.2005->08.2007	Left	250-25045	250-24468
	S203	200	M272.970		07.2005->08.2007	Right	250-25043	250-24469
	S204	200	M272.961		09.2007->up	Left	250-25043	250-24675
	S204	200	M272.961		09.2007->up	Right	250-25043	250-24675
320 CDI								
	S203	165	OM642.910	RH Drive	07.2005->08.2007			800-95008
	S203	165	OM642.910		07.2005->08.2007			800-95009
	S204	165	OM642.960		09.2007->up			800-95008
	S204	165	OM642.961		09.2007->up			800-95008
63 AMG								
	S204	336	M156.985		02.2008->up	Left	250-25043	250-24675
	S204	336	M156.985		02.2008->up	Right	250-25043	250-24675
C CLASS ESTATE (T MODEL)								
180T								
	S202	90	M111.921	To Eng.No.004126,007268	06.1996->09.2000		250-24551	
	S202	90	M111.921	Fr.Eng.No.004127,007269	06.1996->09.2000		250-24198	
	S202	95	M111.952		09.2000->02.2001		250-24469	250-24468
200T								
	S202	100	M111.945	To Eng.No.001912,003752	06.1996->03.2001		250-24551	
	S202	100	M111.945	Fr.Eng.No.001913,003753	06.1996->02.2001		250-24198	
Kompressor	S202	141	M111.944	To Eng.No.000054,003872	06.1997->03.2001		250-24551	
	S202	141	M111.944	Fr.Eng.No.000055,003873	11.1996->02.2001		250-24198	
	S202	141	M111.945	To Eng.No.001912,003752	11.1996->03.2001		250-24551	
	S202	141	M111.945	Fr.Eng.No.001913,003753	11.1996->02.2001		250-24198	
	S202	120	M111.956		09.2000->02.2001		250-24468	250-24469
	S202	120	M111.956	RH Drive	09.2000->02.2001		250-24469	250-24469
230T								
	S202	110	M111.974	To Eng.No.001871,004991	06.1996->06.1998		250-24551	
	S202	110	M111.974	Fr.Eng.No.001872,004992	06.1996->06.1998		250-24198	
Kompressor	S202	142	M111.975	To Eng.No.000555,005799	06.1997->09.2000		250-24551	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
C CLASS ESTATE (T MODEL) (cont'd)								
230T (cont'd)								
	S202	142	M111.975	Fr.Eng.No.000556,005800	06.1997->09.2000		250-24198	
240T								
	S202	125	M112.910	To Ch.No.F980773	06.1997->09.2000	Left	250-24143	250-24413
	S202	125	M112.910	To Ch.No.F980773	06.1997->09.2000	Right	250-24411	250-24419
	S202	125	M112.910	Fr.Ch.No.F980774	06.1997->09.2000	Left	250-24143	250-24464
	S202	125	M112.910	Fr.Ch.No.F980774	06.1997->09.2000	Right	250-24411	250-24463
	S202	125	M112.915	To Ch.No.F980773	09.2000->02.2001	Left	250-24143	250-24413
	S202	125	M112.915	To Ch.No.F980773	09.2000->02.2001	Right	250-24411	250-24419
	S202	125	M112.915	Fr.Ch.No.F980774	09.2000->02.2001	Left	250-24468	250-24464
	S202	125	M112.915	Fr.Ch.No.F980774	09.2000->02.2001	Right	250-24466	250-24463
280T								
	S202	145	M112.920	To Ch.No.F980773	06.1997->03.2001	Left	250-24143	250-24413
	S202	145	M112.920	To Ch.No.F980773	06.1997->03.2001	Right	250-24411	250-24419
	S202	145	M112.920	Fr.Ch.No.F980774	06.1997->03.2001	Left	250-24468	250-24464
	S202	145	M112.920	Fr.Ch.No.F980774	06.1997->03.2001	Right	250-24466	250-24463
C CLASS SPORTCOUPE								
32 AMG								
Kompressor	CL203	260	M112.961		05.2002->01.2004	Left	250-24468	250-24464
	CL203	260	M112.961		05.2002->01.2004	Right	250-24469	250-24464
160								
Kompressor	CL203	90	M271.921		01.2004->up		250-25003	250-24468
180								
	CL203	95	M111.951	Euro 4 (D4)	03.2001->05.2002		250-24463	250-24469
	CL203	95	M111.951		03.2001->05.2002		250-24469	250-24468
Kompressor	CL203	105	M271.946		06.2002->up		250-25003	250-24468
200 CDI								
	CL203	90	OM646.962		01.2004->up		800-95008	800-95008
	CL203	90	OM646.962	RH Drive	01.2004->up		800-95010	800-95010
200 CGI								
Kompressor	CL203	125	M271.942		01.2004->up		250-25003	250-24468
Kompressor	CL203	120	M111.955		03.2001->05.2002		250-24469	250-24468
	CL203	120	M271.940		06.2002->up		250-25003	250-24468
220 CDI								
	CL203	110	OM646.963		02.2004->up			800-95008
	CL203	110	OM646.963	RH Drive	02.2004->up			800-95010
230								
	CL203	150	M272.920		01.2005->up	Left	250-25045	250-24675
	CL203	150	M272.920		01.2005->up	Right	250-25045	250-24675
Kompressor	CL203	145	M111.981		03.2001->05.2002		250-24469	250-24468
	CL203	141	M271.948		06.2002->up		250-25003	250-24468
320								
	CL203	160	M112.946		09.2002->up	Left	250-24468	250-24465
	CL203	160	M112.946		09.2002->up	Right	250-24469	250-24465
350								
	CL203	200	M272.960		01.2005->up	Left	250-25045	250-24675
	CL203	200	M272.960		01.2005->up	Right	250-25045	250-24675
CLK CLASS								
55 AMG								
	C208	255	M113.984	To Ch.No.F136789,T000730	08.1999->06.2002	Left	250-24143	250-24413
	C208	255	M113.984	To Ch.No.F136789,T000730	08.1999->06.2002	Right	250-24411	250-24419
	C208	255	M113.984	Fr.Ch.No.F136790,T000731	08.1999->06.2002	Left	250-24468	250-24464
	C208	255	M113.984	Fr.Ch.No.F136790,T000731	08.1999->06.2002	Right	250-24466	250-24463
	C208	255	M113.984	RH Drive, Fr.Ch.No.F136790,T000731	08.1999->06.2002	Left	250-24464	250-24464
	C208	255	M113.984	RH Drive, Fr.Ch.No.F136790,T000731	08.1999->06.2002	Right	250-24595	250-24463
	C209	270	M113.987		09.2002->up	Left	250-24468	250-24465
	C209	270	M113.987		09.2002->up	Right	250-24469	250-24465
63 AMG								
	C209	354	M156.982		04.2006->up	Left	250-25042	250-24675
	C209	354	M156.982		04.2006->up	Right	250-25045	250-24675
200								
	C208	100	M111.945	To Eng.No.001912,003752	06.1997->06.2002		250-24551	
	C208	100	M111.945	Fr.Eng.No.001912,003753	06.1997->06.2002		250-24198	
200 CGI								
	C209	125	M271.942		07.2003->up		250-25003	250-24468



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
CLK CLASS (cont'd)								
200 CGI (cont'd)								
Kompressor	C208	120	M111.956		06.2000->02.2002		250-24469	250-24469
	C208	141	M111.944	To Eng.No.000054,003872	06.1997->06.2000		250-24551	
	C208	141	M111.944	Fr.Eng.No.000055,003873	06.1997->06.2000		250-24198	
	C209	120	M271.940		09.2002->up		250-25003	250-24468
220 CDI								
	C209	110	OM646.966		06.2005->up			800-95008
	C209	110	OM646.966	RH Drive	06.2005->up			800-95010
230								
Kompressor	C208	142	M111.975	To Eng.No.000555,005799	06.1997->06.2000		250-24551	
	C208	142	M111.975	Fr.Eng.No.000556,005800	06.1997->06.2000		250-24198	
	C208	145	M111.982		06.2000->02.2002		250-24468	250-24469
	C208	145	M111.982		06.2000->02.2002		250-24469	250-24469
240								
	C209	125	M112.912		06.2002->05.2005	Left	250-24468	250-24465
	C209	125	M112.912		06.2002->05.2005	Right	250-24469	250-24465
280								
	C209	170	M272.940		01.2005->up	Left	250-25045	250-24675
	C209	170	M272.940		01.2005->up	Right	250-25045	250-24675
320								
	C208	160	M112.940	To Ch.No.F136789,T000730	06.1997->06.2002	Left	250-24143	250-24413
	C208	160	M112.940	To Ch.No.F136789,T000730	06.1997->06.2002	Right	250-24411	250-24419
	C208	160	M112.940	Fr.Ch.No.F136790,T000731	06.1997->06.2002	Left	250-24468	250-24464
	C208	160	M112.940	Fr.Ch.No.F136790,T000731	06.1997->06.2002	Right	250-24466	250-24463
	C208	160	M112.940	RH Drive, Fr.Ch.No.F136790,T000731	06.1997->06.2002	Left	250-24464	250-24464
	C208	160	M112.940	RH Drive, Fr.Ch.No.F136790,T000731	06.1997->06.2002	Right	250-24595	250-24463
	C209	160	M112.955		06.2002->05.2005	Left	250-24468	250-24465
	C209	160	M112.955		06.2002->05.2005	Right	250-24469	250-24465
	C209	200	M272.960		01.2005->up	Left	250-25045	250-24675
	C209	200	M272.960		01.2005->up	Right	250-25045	250-24675
320 CDI								
	C209	165	OM642.910		06.2005->up			800-95009
	C209	165	OM642.910		06.2005->up			800-95009
430								
	C208	205	M113.943	To Ch.No.F136789,T000730	07.1998->06.2002	Left	250-24143	250-24413
	C208	205	M113.943	To Ch.No.F136789,T000730	07.1998->06.2002	Right	250-24411	250-24419
	C208	205	M113.943	Fr.Ch.No.F136790,T000731	07.1998->06.2002	Left	250-24468	250-24464
	C208	205	M113.943	Fr.Ch.No.F136790,T000731	07.1998->06.2002	Right	250-24466	250-24463
	C208	205	M113.943	RH Drive, Fr.Ch.No.F136790,T000731	07.1998->06.2002	Left	250-24464	250-24464
	C208	205	M113.943	RH Drive, Fr.Ch.No.F136790,T000731	07.1998->06.2002	Right	250-24595	250-24463
500								
	C209	225	M113.968		06.2002->up	Left	250-24468	250-24465
	C209	225	M113.968		06.2002->up	Right	250-24469	250-24465
CLK CLASS CABRIOLET								
55 AMG								
	A208	255	M113.984	To Ch.No.F136789,T000730	01.2000->03.2002	Left	250-24143	250-24413
	A208	255	M113.984	To Ch.No.F136789,T000730	01.2000->03.2002	Right	250-24411	250-24419
	A208	255	M113.984	Fr.Ch.No.F136790,T000731	01.2000->03.2002	Left	250-24468	250-24464
	A208	255	M113.984	Fr.Ch.No.F136790,T000731	01.2000->03.2002	Right	250-24466	250-24463
	A208	255	M113.984	RH Drive, Fr.Ch.No.F136790,T000731	01.2000->03.2002	Left	250-24464	250-24464
	A208	255	M113.984	RH Drive, Fr.Ch.No.F136790,T000731	01.2000->03.2002	Right	250-24595	250-24463
	A209	270	M113.987		02.2003->up	Left	250-24468	250-24465
	A209	270	M113.987		02.2003->up	Right	250-24469	250-24465
63 AMG								
	A209	354	M156.982		04.2006->up	Left	250-25042	250-24675
	A209	354	M156.982		04.2006->up	Right	250-25045	250-24675
200								
	A208	100	M111.945	To Eng.No.001912,003752	06.1998->03.2002		250-24551	
	A208	100	M111.945	Fr.Eng.No.001912,003753	06.1998->03.2002		250-24198	
200 CGI								
Kompressor	A208	120	M111.956		06.2000->03.2002		250-24469	250-24469
	A208	141	M111.944	To Eng.No.000054,003872	03.1998->06.1998		250-24551	
	A208	141	M111.944	Fr.Eng.No.000055,003873	03.1998->06.2000		250-24198	
	A209	125	M271.942		07.2003->up			250-24468
	A209	120	M271.940		02.2003->11.2005		250-25003	250-24468



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
CLK CLASS CABRIOLET (cont'd)								
230								
Kompressor	A208	142	M111.975	To Eng.No.000555,005799	06.1998->06.2000		250-24551	
	A208	142	M111.975	Fr.Eng.No.000556,005800	03.1998->06.2000		250-24198	
	A208	145	M111.982		06.2000->03.2002		250-24468	250-24469
	A208	145	M111.982	RH Drive	06.2000->03.2002		250-24469	250-24469
240								
	A209	125	M112.912		02.2003->05.2005	Left	250-24468	250-24465
	A209	125	M112.912		02.2003->05.2005	Right	250-24469	250-24465
280								
	A209	170	M272.940		01.2005->up	Left	250-25045	250-24675
	A209	170	M272.940		01.2005->up	Right	250-25045	250-24675
320								
	A208	160	M112.940	To Ch.No.T054271	03.1998->03.2002	Left	250-24143	250-24413
	A208	160	M112.940	To Ch.No.T054271	03.1998->03.2002	Right	250-24411	250-24419
	A208	160	M112.940	Fr.Ch.No.T054272	03.1998->03.2002	Left	250-24468	250-24464
	A208	160	M112.940	Fr.Ch.No.T054272	03.1998->03.2002	Right	250-24466	250-24463
	A208	160	M112.940	RH Drive, Fr.Ch. No. T054272	03.1998->03.2002	Left	250-24464	250-24464
	A208	160	M112.940	RH Drive, Fr.Ch. No. T054272	03.1998->03.2002	Right	250-24595	250-24463
	A209	160	M112.955		05.1998->05.2005	Left	250-24468	250-24465
	A209	160	M112.955		05.1998->05.2005	Right	250-24469	250-24465
320 CDI								
	A209	165	OM642.910		03.2005->09.2005			800-95009
	A209	165	OM642.910	RH Drive	09.2005->up			800-95008
350								
	A209	200	M272.960		01.2005->up	Left	250-25045	250-24675
	A209	200	M272.960		01.2005->up	Right	250-25045	250-24675
430								
	A208	205	M113.943	To Ch.No.T054271	03.1998->03.2002	Left	250-24143	250-24413
	A208	205	M113.943	To Ch.No.T054271	03.1998->03.2002	Right	250-24411	250-24419
	A208	205	M113.943	Fr.Ch.No.T054272	03.1998->03.2002	Left	250-24468	250-24464
	A208	205	M113.943	Fr.Ch.No.T054272	03.1998->03.2002	Right	250-24466	250-24463
	A208	205	M113.943	RH Drive, Fr.Ch.No.T054272	03.1998->03.2002	Left	250-24464	250-24464
	A208	205	M113.943	RH Drive, Fr.Ch.No.T054272	03.1998->03.2002	Right	250-24595	250-24463
500								
	A209	225	M113.968		02.2003->up	Left	250-24468	250-24465
	A209	225	M113.968		02.2003->up	Right	250-24469	250-24465
CLS CLASS								
55 AMG								
	C219	350	M113.990		01.2005->up	Left	250-24469	250-24465
	C219	350	M113.990		01.2005->up	Right	250-24469	250-24465
63 AMG								
	C219	378	M156.983		04.2006->up	Left	250-25043	250-24686
	C219	378	M156.983		04.2006->up	Right	250-25045	250-24686
320 CDI								
	C219	165	OM642.910,OM642.920		06.2005->up			800-95009
350								
	C219	200	M272.964		10.2004->up	Left	250-25043	250-24675
	C219	200	M272.964		10.2004->up	Right	250-25043	250-24675
	C219	215	M272.985		04.2006->01.2008	Left	250-25043	250-24675
	C219	215	M272.985		04.2006->01.2008	Right	250-25043	250-24675
350 CDI								
	C218	195	642.853		01.2011->up			250-25091
500								
	C219	225	M113.967		10.2004->up	Left	250-24469	250-24465
	C219	225	M113.967		10.2004->up	Right	250-24469	250-24465
	W210	255	M119.985(AMG5.0)		02.1996->08.1997	Right	250-24387	
	C218	300	278.922		02.2011->up	Left	250-25094	
	C218	300	278.922		02.2011->up	Right	250-25094	
55 AMG								
	W210	260	M113.980		09.1997->06.2000	Left	250-24387	
	W210	260	M113.980		09.1997->06.2000	Right	250-24387	
	W210	260	M113.980	RH Drive	09.1997->06.2000	Left	250-24387	
	W210	260	M113.980	RH Drive	09.1997->06.2000	Right	250-24143	
	W210	260	M113.980		06.2000->03.2002	Left	250-24469	250-24469
	W210	260	M113.980		06.2000->03.2002	Right	250-24468	250-24469
	W210	260	M113.980	RH Drive	06.2000->03.2002	Left	250-24468	250-24469



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic	
MERCEDES (cont'd)									
CLS CLASS (cont'd)									
55 AMG (cont'd)									
	W210	260	M113.980		RH Drive	06.2000->03.2002	Right	250-24468	250-24469
Kompressor	W211	350	M113.990			10.2002->up	Left	250-24469	250-24465
	W211	350	M113.990			10.2002->up	Right	250-24469	250-24465
60 AMG									
	W124	280		To Ch.No.B565713		05.1994->06.1995		250-24674	
	W124	280		Fr.Ch.No.B565714, To Ch.No.B840528		05.1994->06.1995		250-24038	
	W124	280		Fr.Ch.No.B840529		05.1994->06.1995		250-24044	
63 AMG									
	W211	378	M156.983			03.2006->up	Left	250-25043	250-24686
	W211	378	M156.983			03.2006->up	Right	250-25043	250-24686
	C218	386	157.981			02.2011->up	Left	250-25094	250-25094
	C218	386	157.981			02.2011->up	Right	250-25094	250-25094
200									
	W124	100	M111.940			07.1993->06.1995		250-24792	
	W210	100	M111.942			06.1995->08.2000		250-24412	
Kompressor	W210	120	M111.957			08.2000->03.2002		250-24468	250-24469
Kompressor	W210	137	M111.947			06.1997->03.2002		250-24412	
Kompressor	W211	120	M271.941			11.2002->03.2006		250-25003	250-24468
Kompressor	W211	135	M271.956			04.2006->up		250-25003	250-24468
200 CDI									
	W211	75	OM646.951			07.2002->05.2005			800-95008
	W211	75	OM646.951			06.2005->03.2006			800-95015
	W211	75	OM646.951		RH Drive	07.2002->up			800-95010
	W211	90	OM646.951			07.2002->05.2005			800-95008
	W211	90	OM646.951			06.2005->03.2006			800-95015
	W211	90	OM646.951		RH Drive	07.2002->up			800-95010
	W211	100	OM646.820			04.2006->up			800-95015
	W211	100	OM646.820		RH Drive	04.2006->up			800-95010
200 NGT									
	W211	120	M271.941			04.2006->04.2007		250-25003	250-24468
220									
	W124	110	M111.960			07.1993->06.1995		250-24034	
220 CDI									
	W211	110	OM646.961			03.2002->05.2005			800-95008
	W211	110	OM646.961			06.2005->03.2006			800-95015
	W211	110	OM646.961		RH Drive	03.2002->03.2006			800-95010
	W211	125	OM646.821			04.2006->up			800-95015
	W211	125	OM646.821		RH Drive	04.2006->up			800-95010
230									
	W210	110	M111.970			06.1995->06.1997		250-24952	
	W211	150	M272.922			09.2007->up	Left	250-25043	250-24675
	W211	150	M272.922			09.2007->up	Right	250-25043	250-24675
240									
	W210	125	M112.911			06.1997->06.2000	Left	250-24387	
	W210	125	M112.911			06.1997->06.2000	Right	250-24387	
	W210	125	M112.911		RH Drive	06.1997->06.2000	Left	250-24387	
	W210	125	M112.911		RH Drive	06.1997->06.2000	Right	250-24143	
	W210	125	M112.911			06.2000->08.2000	Left	250-24469	250-24469
	W210	125	M112.911			06.2000->08.2000	Right	250-24468	250-24469
	W210	125	M112.911		RH Drive	06.2000->08.2000	Left	250-24468	250-24469
	W210	125	M112.911		RH Drive	06.2000->08.2000	Right	250-24468	250-24469
	W210	125	M112.914			08.2000->03.2002	Left	250-24469	250-24469
	W210	125	M112.914			08.2000->03.2002	Right	250-24468	250-24469
	W210	125	M112.914		RH Drive	08.2000->03.2002	Left	250-24468	250-24469
	W210	125	M112.914		RH Drive	08.2000->03.2002	Right	250-24469	250-24469
	W211	130	M112.917,M112.913			03.2002->05.2005	Left	250-24469	250-24465
	W211	130	M112.917,M112.913			03.2002->05.2005	Right	250-24469	250-24465
4-matic	W211	130	M112.917			03.2003->06.2005	Left	250-24468	250-24465
	W211	130	M112.917			03.2003->06.2005	Right	250-24468	250-24465
280									
	W124	145	M104.942			07.1993->06.1995		250-24034	
	W210	142	M104.945			01.1996->06.1997	Left	250-24387	
	W210	142	M104.945			01.1996->06.1997	Right	250-24387	
	W210	142	M104.945		RH Drive	01.1996->06.1997	Left	250-24387	
	W210	142	M104.945		RH Drive	01.1996->06.1997	Right	250-24143	
	W210	150	M104.945			12.1996->06.1999		250-24141	
	W210	150	M112.921			06.1999->06.2000	Left	250-24387	
	W210	150	M112.921			06.1999->06.2000	Right	250-24387	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
CLS CLASS (cont'd)								
280 (cont'd)								
	W210	150	M112.921	RH Drive	06.1999->06.2000	Left	250-24387	
	W210	150	M112.921	RH Drive	06.1999->06.2000	Right	250-24143	
	W210	150	M112.921		08.2000->03.2002	Left	250-24469	250-24469
	W210	150	M112.921		08.2000->03.2002	Right	250-24468	250-24469
	W210	150	M112.921	RH Drive	08.2000->03.2002	Left	250-24468	250-24469
	W210	150	M112.921	RH Drive	08.2000->03.2002	Right	250-24469	250-24469
4-matic	W210	150	M112.921		02.1997->06.1999	Left	250-24387	
	W210	150	M112.921		02.1997->06.1999	Right	250-24387	
	W211	170	M272.943		06.2005->up	Left	250-25043	250-24675
	W211	170	M272.943		06.2005->up	Right	250-25043	250-24675
4-matic	W211	170	M272.943		01.2006->up	Left	250-25045	250-24469
	W211	170	M272.943		01.2006->up	Right	250-25045	250-24469
280 CDI								
	W211	130	OM648.961		05.2004->05.2005			800-95008
	W211	140	OM642.920		06.2005->up			800-95009
4-matic	W211	140	OM642.921		06.2005->up			800-95009
280 LONG								
	W124	142	M104.942		07.1993->06.1995		250-24034	
300								
4-matic	W124	132	M103.985	Norway, Sweden, Switzerland	07.1993->06.1995		250-23063	
	W124	132	M103.985		07.1993->06.1995		250-23067	
300 BLUETEC								
	W211	155	642920		09.2007->up			800-95009
320								
	W124	162	M104.992		07.1993->06.1995		250-24034	
	W210	162	M104.995		06.1995->06.1997		250-24141	
	W210	165	M112.941		06.1997->06.2000	Left	250-24387	
	W210	165	M112.941		06.1997->06.2000	Right	250-24387	
	W210	165	M112.941	RH Drive	06.1997->06.2000	Left	250-24387	
	W210	165	M112.941	RH Drive	06.1997->06.2000	Right	250-24143	
	W210	165	M112.941		06.2000->03.2002	Left	250-24469	250-24469
	W210	165	M112.941		06.2000->03.2002	Right	250-24468	250-24469
	W210	165	M112.941	RH Drive	06.2000->03.2002	Left	250-24468	250-24469
	W210	165	M112.941	RH Drive	06.2000->03.2002	Right	250-24468	250-24469
4-matic	W210	165	M112.941		06.1997->06.1999	Left	250-24387	
	W210	165	M112.941		06.1997->06.1999	Right	250-24387	
4-matic	W210	165	M112.941	RH Drive	06.1997->06.1999	Left	250-24387	
	W210	165	M112.941	RH Drive	06.1997->06.1999	Right	250-24143	
	W211	165	M112.949		03.2002->up	Left	250-24469	250-24465
	W211	165	M112.949		03.2002->up	Right	250-24469	250-24465
4-matic	W211	165	M112.954		03.2003->03.2006	Left	250-24468	250-24465
	W211	165	M112.954		03.2003->03.2006	Right	250-24468	250-24465
320 CDI								
	W211	150	OM648.961		11.2002->05.2005			800-95008
	W211	165	OM642.920		06.2005->up			800-95009
4-matic	W211	165	OM642.910		06.2005->up			800-95009
350								
BlueTEC	W212	155	642.850		01.2009->up			250-25091
	W211	200	M272.964		03.2005->up	Left	250-25043	250-24675
	W211	200	M272.964		03.2005->up	Right	250-25043	250-24675
4-matic	W211	200	M272.964,M272.972		03.2005->up	Left	250-25045	250-24469
	W211	200	M272.964,M272.972		03.2005->up	Right	250-25045	250-24469
350 CDI								
4-matic	W212	195	642.858		03.2011->up			250-25091
350 CGI								
	W211	215	M272.985		09.2007->up	Left		250-24675
	W211	215	M272.985		09.2007->up	Right		250-24675
420								
	W124	205	M119.975		07.1993->06.1995		250-24038	
	W210	205	M119.985		01.1996->06.1997	Left	250-24387	
	W210	205	M119.985		01.1996->06.1997	Right	250-24387	
420 CDI								
	W211	231	OM629.910		04.2006->up	Left		800-95009
	W211	231	OM629.910		04.2006->up	Right		800-95009
430								
	W210	205	M113.940		09.1997->06.2000	Left	250-24387	
	W210	205	M113.940		09.1997->06.2000	Right	250-24387	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
CLS CLASS (cont'd)								
430 (cont'd)								
	W210	205	M113.940	RH Drive	09.1997->06.2000	Left	250-24387	
	W210	205	M113.940	RH Drive	09.1997->06.2000	Right	250-24143	
	W210	205	M113.940		06.2000->03.2002	Left	250-24469	250-24469
	W210	205	M113.940		06.2000->03.2002	Right	250-24468	250-24469
	W210	205	M113.940		06.2000->03.2002	Left	250-24468	250-24469
	W210	205	M113.940		06.2000->03.2002	Right	250-24468	250-24469
4-matic	W210	205	M113.940		05.1999->06.2000	Left	250-24387	
	W210	205	M113.940		05.1999->06.2000	Right	250-24387	
4-matic	W210	205	M113.940		06.2000->03.2002	Left	250-24469	250-24469
	W210	205	M113.940		06.2000->03.2002	Right	250-24468	250-24469
500								
	W124	235	M119.974	To Ch.No.B565713	06.1993->06.1995		250-24674	
	W124	235	M119.974	Fr.Ch.No.B565714, To Ch.No.B840528	06.1993->06.1995		250-24038	
	W124	235	M119.974	Fr. Ch.No.B840529	06.1993->06.1995		250-24044	
	W211	225	M113.967		03.2002->up	Left	250-24469	250-24465
	W211	225	M113.967		03.2002->up	Right	250-24469	250-24465
	W211	285	M273.960		04.2006->up	Left	250-25043	250-24675
	W211	285	M273.960		04.2006->up	Right	250-25043	250-24675
4-matic	W211	225	M113.969		10.2003->03.2006	Left	250-24468	250-24465
	W211	225	M113.969		10.2003->03.2006	Right	250-24468	250-24465
4-matic	W211	285	M273.962		04.2006->up	Left	250-25045	250-24469
	W211	285	M273.962		04.2006->up	Right	250-25045	250-24469
E CLASS CABRIOLET								
36 AMG								
	A124	200	M104.992(AMG3.6)		05.1994->03.1998		250-24034	
200								
	A124	100	M111.940		07.1993->03.1998		250-24792	
220								
	A124	110	M111.960		07.1993->03.1998		250-24792	
320								
	A124	162	M104.992		06.1993->03.1998		250-24034	
E CLASS COUPE								
36 AMG								
	C124	195	M104.992(AMG3.6)		05.1994->04.1995		250-24034	
	C124	200	M104.992(AMG3.6)		05.1994->06.1997		250-24034	
200								
	C124	100	M111.940		06.1993->06.1997		250-24792	
220								
	C124	110	M111.960		07.1993->06.1997		250-24792	
320								
	C124	162	M104.992		07.1993->06.1997		250-24034	
E CLASS ESTATE (T MODEL)								
36T AMG								
	S124	200	M104.992(AMG3.6)		05.1994->05.1996		250-24034	
55T AMG								
	S210	260	M113.980		08.1997->06.1999	Left	250-24387	
	S210	260	M113.980		08.1997->06.1999	Right	250-24387	
	S210	260	M113.980	RH Drive	08.1997->06.1999	Left	250-24387	
	S210	260	M113.980	RH Drive	08.1997->06.1999	Right	250-24143	
Kompressor	S211	350	M113.990		07.2003->03.2006	Left	250-24469	250-24465
	S211	350	M113.990		07.2003->03.2006	Right	250-24469	250-24465
63T AMG								
	S211	378	M156.983		03.2006->up	Left	250-25043	250-24686
	S211	378	M156.983		03.2006->up	Right	250-25043	250-24686
200								
Kompressor	S211	135	M271.956		04.2006->up		250-25003	250-24468
200T								
	S124	100	M111.940		07.1993->02.1996		250-24792	
	S210	100	M111.942		06.1996->08.2000		250-24412	
Kompressor	S210	137	M111.947		06.1997->03.2003		250-24412	
Kompressor	S210	120	M111.957		08.2000->03.2003		250-24468	250-24469
Kompressor	S211	120	M271.941		03.2003->03.2006		250-25003	250-24468



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
E CLASS ESTATE (T MODEL) (cont'd)								
220 CDI								
	S211	100	OM646.820		03.2003->up			800-95010
	S211	100	OM646.961		04.2006->up			800-95015
220T								
	S124	110	M111.960		07.1993->05.1996		250-24034	
220T CDI								
	S211	110	OM646.961		06.2005->03.2006			800-95015
	S211	110	OM646.961	RH Drive	03.2003->03.2006			800-95010
	S211	110	OM646.961		03.2003->05.2005			800-95008
	S211	125	OM646.821		04.2006->up			800-95015
	S211	125	OM646.821	RH Drive	04.2006->up			800-95010
230T								
	S210	110	M111.970		06.1996->06.1997		250-24952	
240T								
	S210	125	M112.911		06.1997->06.2000	Left	250-24387	
	S210	125	M112.911		06.1997->06.2000	Right	250-24387	
	S210	125	M112.911	RH Drive	06.1997->06.2000	Left	250-24387	
	S210	125	M112.911	RH Drive	06.1997->06.2000	Right	250-24143	
	S210	125	M112.911		06.2000->03.2003	Left	250-24469	250-24469
	S210	125	M112.911		06.2000->03.2003	Right	250-24468	250-24469
	S210	125	M112.911	RH Drive	06.2000->03.2003	Left	250-24468	250-24469
	S210	125	M112.911	RH Drive	06.2000->03.2003	Right	250-24468	250-24469
	S210	125	M112.914		08.2000->03.2003	Left	250-24469	250-24469
	S210	125	M112.914		08.2000->03.2003	Right	250-24468	250-24469
	S210	125	M112.914	RH Drive	08.2000->03.2003	Left	250-24468	250-24469
	S210	125	M112.914	RH Drive	08.2000->03.2003	Right	250-24468	250-24469
	S211	130	M112.913		03.2003->05.2005	Left	250-24469	250-24465
	S211	130	M112.913		03.2003->05.2005	Right	250-24469	250-24465
4-matic	S211	130	M112.917		07.2003->06.2005	Left	250-24468	250-24465
	S211	130	M112.917		07.2003->06.2005	Right	250-24468	250-24465
280T								
	S124	142	M104.942		07.1993->05.1996		250-24034	
	S124	145	M104.942		07.1993->05.1996		250-24034	
	S210	150	M112.921		12.1996->06.2000	Left	250-24387	
	S210	150	M112.921		12.1996->06.2000	Right	250-24387	
	S210	150	M112.921	RH Drive	12.1996->06.2000	Left	250-24387	
	S210	150	M112.921	RH Drive	12.1996->06.2000	Right	250-24143	
	S210	150	M112.921		06.2000->03.2003	Left	250-24469	250-24469
	S210	150	M112.921		06.2000->03.2003	Right	250-24468	250-24469
	S210	150	M112.921	RH Drive	06.2000->03.2003	Left	250-24468	250-24469
	S210	150	M112.921	RH Drive	06.2000->03.2003	Right	250-24468	250-24469
4-matic	S210	150	M112.921		12.1996->06.1999	Left	250-24387	250-24469
	S210	150	M112.921		12.1996->06.1999	Right	250-24387	250-24469
	S211	170	M272.943		06.2005->up	Left	250-25043	250-24675
	S211	170	M272.943		06.2005->up	Right	250-25043	250-24675
4-matic	S211	170	M272.944		07.2005->up	Left	250-25045	250-24469
	S211	170	M272.944		07.2005->up	Right	250-25045	250-24469
280T CDI								
	S211	130	OM648.961		05.2004->05.2005			800-95008
	S211	140	OM642.920		06.2005->up			800-95009
4-matic	S211	140	OM642.921		06.2005->up			800-95009
300T								
4-matic	S124	132	M103.985	Norway, Sweden, Switzerland	07.1993->02.1996		250-23063	
	S124	132	M103.985		07.1993->02.1996		250-23067	
320T								
	S124	162	M104.992		07.1993->02.1996		250-24034	
	S210	165	M112.941		12.1996->06.2000	Left	250-24387	
	S210	165	M112.941		12.1996->06.2000	Right	250-24387	
	S210	165	M112.941	RH Drive	12.1996->06.2000	Left	250-24387	
	S210	165	M112.941	RH Drive	12.1996->06.2000	Right	250-24143	
	S210	165	M112.941		06.2000->03.2003	Left	250-24469	250-24469
	S210	165	M112.941		06.2000->03.2003	Right	250-24468	250-24469
	S210	165	M112.941	RH Drive	06.2000->03.2003	Left	250-24468	250-24469
	S210	165	M112.941	RH Drive	06.2000->03.2003	Right	250-24468	250-24469
4-matic	S210	165	M112.941		12.1996->06.1999	Left	250-24387	
	S210	165	M112.941		12.1996->06.1999	Right	250-24387	
4-matic	S210	165	M112.941	RH Drive	12.1996->06.1999	Left	250-24387	
	S210	165	M112.941	RH Drive	12.1996->06.1999	Right	250-24143	
	S211	165	M112.949		03.2003->03.2006	Left	250-24469	250-24465
	S211	165	M112.949		03.2003->03.2006	Right	250-24469	250-24465



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
E CLASS ESTATE (T MODEL) (cont'd)								
320T (cont'd)								
4-matic	S211	165	M112.954		07.2003->03.2006	Left	250-24468	250-24465
	S211	165	M112.954		07.2003->03.2006	Right	250-24468	250-24465
320T CDI								
	S211	150	OM648.961		03.2003->05.2005			800-95008
	S211	165	OM642.920		06.2005->up			800-95009
4-matic	S211	165	OM642.920		06.2005->up			800-95009
350T								
BlueTEC	S212	155	642.850		11.2009->up			250-25091
	S211	200	M272.964		03.2005->up	Left	250-25043	250-24675
	S211	200	M272.964		03.2005->up	Right	250-25043	250-24675
4-matic	S211	200	M272.964,M272.972		03.2005->up	Left	250-25045	250-24469
	S211	200	M272.964,M272.972		03.2005->up	Right	250-25045	250-24469
350T CDI								
4-matic	S212	195	642.858		07.2011->up		250-25091	250-25091
420T								
	S210	205	M119.985		06.1996->06.1997	Left	250-24387	
	S210	205	M119.985		06.1996->06.1997	Right	250-24387	
430T								
	S210	205	M113.940		06.1997->06.2000	Left	250-24387	
	S210	205	M113.940		06.1997->06.2000	Right	250-24387	
	S210	205	M113.940	RH Drive	06.1997->06.2000	Left	250-24387	
	S210	205	M113.940	RH Drive	06.1997->06.2000	Right	250-24143	
	S210	205	M113.940		06.2000->03.2003	Left	250-24469	250-24469
	S210	205	M113.940		06.2000->03.2003	Right	250-24468	250-24469
	S210	205	M113.940		06.2000->03.2003	Left	250-24468	250-24469
	S210	205	M113.940	RH Drive	06.2000->03.2003	Right	250-24468	250-24469
4-matic	S210	205	M113.940	RH Drive	06.2000->03.2003	Left	250-24387	250-24469
	S210	205	M113.940		06.1999->06.2000	Left	250-24387	250-24469
4-matic	S210	205	M113.940		06.1999->06.2000	Right	250-24387	250-24469
	S210	205	M113.940		06.2000->03.2003	Left	250-24469	250-24469
	S210	205	M113.940		06.2000->03.2003	Right	250-24468	250-24469
500T								
	S211	225	M113.967		10.2003->03.2006	Left	250-24469	250-24465
	S211	225	M113.967		10.2003->03.2006	Right	250-24469	250-24465
	S211	285	M273.960		04.2006->up	Left	250-25043	250-24675
	S211	285	M273.960		04.2006->up	Right	250-25043	250-24675
4-matic	S211	225	M113.969		10.2003->03.2006	Left	250-24468	250-24465
	S211	225	M113.969		10.2003->03.2006	Right	250-24468	250-24465
4-matic	S211	285	M273.962		04.2006->up	Left	250-25045	250-24469
	S211	285	M273.962		04.2006->up	Right	250-25045	250-24469
G CLASS								
G55 AMG								
	W463	260	M113.982		04.1999->up	Left	250-24469	250-24468
	W463	260	M113.982		04.1999->up	Right	250-24469	250-24468
	W463	350	M113.982		06.2004->up	Left	250-24469	250-24468
	W463	350	M113.982		06.2004->up	Right	250-24469	250-24468
230GE								
	W460	90	M102.987		05.1987->08.1989		250-23150	
	W460	90	M102.987		09.1989->08.1992		250-23000	
	W461	90	M102.979		02.1993->09.1995		250-23000	
	W461	92	M102.996		06.1993->09.1995		250-23000	
Open Off-Road Vehicle	W463	93	M102.989		06.1990->02.1993		250-24015	
300GE								
	W463	125	M103.987		06.1990->up		250-23074	
	W463	128	M103.987		06.1990->up		250-23074	
Open Off-Road Vehicle	W463	125	M103.987		09.1989->09.1997		250-23074	
320GE								
Open Off-Road Vehicle	W463	155	M104.996	Fr.Ch.No.099905,911574	09.1994->11.1997		250-24141	
G320								
	W463	155	M104.996	Fr.Ch.No.099905,911574	09.1994->12.1997		250-24141	
	W463	158	M112.945		07.1997->11.1997	Left	250-24387	250-24468
	W463	158	M112.945		07.1997->11.1997	Right	250-24387	250-24468
	W463	158	M112.945		11.1997->up	Left	250-24469	250-24468
	W463	158	M112.945		11.1997->up	Right	250-24469	250-24468
Open Off-Road Vehicle	W463	158	M112.945		11.1997->up	Left	250-24469	250-24468
	W463	158	M112.945		11.1997->up	Right	250-24469	250-24468



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
G CLASS (cont'd)								
G500								
Open Off-Road Vehicle	W463	218	M113.962		04.1998->up	Left	250-24469	250-24468
	W463	218	M113.962		04.1998->up	Right	250-24469	250-24468
	W463	218	M113.962		04.1998->09.2006	Left	250-24469	250-24468
	W463	218	M113.962		04.1998->09.2006	Right	250-24469	250-24468
GL CLASS								
320CDI								
	X164	165	OM642.940		09.2006->05.2009			800-95009
420CDI								
	X164	225	OM629.912		09.2006->05.2009			800-95010
GL450								
	X164	250	M273.923		09.2006->up	Left	250-25043	250-24686
	X164	250	M273.923		09.2006->up	Right	250-25043	250-24675
GL500								
	X164	285	M273.963		09.2006->up	Left	250-25043	250-24686
	X164	285	M273.963		09.2006->up	Right	250-25043	250-24675
M-CLASS								
ML55 AMG								
	W163	255	M113.981	A/T	02.2000->06.2005	Left	250-24609	250-24609
	W163	255	M113.981	A/T	02.2000->06.2005	Right	250-24609	250-24609
ML63 AMG								
4-matic	W164	375	M156.980	A/T	04.2006->up	Left	250-25043	250-24686
	W164	375	M156.980	A/T	04.2006->up	Right	250-25043	250-24686
ML230								
	W163	110	M111.977		02.1998->06.2005		250-24143	
ML280 CDI								
4-matic	W164	140	OM642.940		07.2005->07.2009			800-95009
ML320								
	W163	160	M112.942		02.1998->09.2000	Left	250-24609	250-24609
	W163	160	M112.942		02.1998->09.2000	Right	250-24609	250-24609
	W163	160	M112.942		09.2000->08.2002	Left	250-24469	250-24469
	W163	160	M112.942		09.2000->08.2002	Right	250-24469	250-24469
ML320 CDI								
4-matic	W164	165	OM642.940		07.2005->07.2009			800-95009
ML350								
	W163	173	M112.970		02.2003->06.2005		250-24469	250-24469
	W163	180	M112.970		08.2002->06.2005	Left	250-24469	250-24469
	W163	180	M112.970		08.2002->06.2005	Right	250-24469	250-24469
4-matic	W164	200	M272.967		07.2005->up	Left	250-25043	250-24686
	W164	200	M272.967		07.2005->up	Right	250-25043	250-24675
ML420 CDI								
4-matic	W164	225	OM629.912		04.2006->09.2009	Left		800-95010
	W164	225	OM629.912		04.2006->09.2009	Right		800-95010
ML430								
	W163	200	M113.942		03.1998->09.2000	Left	250-24609	250-24609
	W163	200	M113.942		03.1998->09.2000	Right	250-24609	250-24609
	W163	200	M113.942		09.2000->05.2001	Left	250-24469	250-24469
	W163	200	M113.942		09.2000->05.2001	Right	250-24469	250-24469
ML500								
	W163	215	M113.964,M113.965	A/T	09.2001->06.2005	Left	250-24469	250-24469
	W163	215	M113.964,M113.965	A/T	09.2001->06.2005	Right	250-24469	250-24469
4-matic	W164	225	M113.964	A/T	07.2005->up	Left	250-24468	250-24465
	W164	225	M113.964	A/T	07.2005->up	Right	250-24468	250-24465
R CLASS								
R63 AMG								
	W251, V251	375	M156.980		04.2006->up	Left	250-25043	250-24686
	W251, V251	375	M156.980		04.2006->up	Right	250-25043	250-24686
R280 CDI								
4-matic	W251, V251	140	OM642.950		05.2006->up			800-95009
R320 CDI								
4-matic	W251, V251	165	OM642.950		01.2006->up			800-95009
R350								
4-matic	W251, V251	200	M272.967		01.2006->04.2008	Left	250-25043	250-24686
	W251, V251	200	M272.967		01.2006->04.2008	Right	250-25043	250-24675



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
R CLASS (cont'd)								
R500								
4-matic	W251, V251	225	M113.971		01.2006->up	Left	250-24468	250-24465
	W251, V251	225	M113.971		01.2006->up	Right	250-24468	250-24465
S CLASS								
S55 AMG								
	W220	265	M113.986		01.2000->09.2004	Left	250-24469	250-24469
	W220	265	M113.986		01.2000->09.2004	Right	250-24469	250-24469
Kompressor	W220	368	M113.991		06.2002->09.2004	Left	250-24469	250-24469
	W220	368	M113.991		06.2002->09.2004	Right	250-24469	250-24469
S65 AMG								
	W220	450	M275.980		03.2004->09.2004	Left	250-24469	250-24469
	W220	450	M275.980		03.2004->09.2004	Right	250-24469	250-24469
	W221	450	M275.982		04.2006->up	Left	250-24469	250-24469
	W221	450	M275.982		04.2006->up	Right	250-24469	250-24469
260SE								
	W126	118	M103.941		09.1985->06.1991		250-23073	
	W126	122	M103.941		09.1985->06.1991		250-23073	
260SE 3.8								
	W126	160	M116.961		08.1980->08.1984		250-21000	
300SE/SEL								
	W126	132	M103.981		01.1986->06.1991		250-23073	
	W126	138	M103.981		09.1985->12.1989		250-23073	
	W140	170	M104.990,M104.994	To Ch.No.A290166	03.1991->10.1998		250-24038	
	W140	170	M104.990,M104.994	Fr.Ch.No.A290167,To Ch.No.A328810	03.1991->10.1998		250-24140	
	W140	170	M104.990,M104.994	Fr.Ch.No.A328811	03.1991->06.1993		250-24610	
300SE 2.8								
	W140	145	M104.944	To Ch.No.A290166	01.1993->10.1998		250-24038	
	W140	145	M104.944	Fr.Ch.No.A290167,To Ch.No.A328810	01.1993->10.1998		250-24140	
	W140	145	M104.944	Fr.Ch.No.A328811	01.1993->08.1998		250-24610	
380SE/SEL								
	W126	150	M116.961,M116.963		01.1980->08.1985		250-21000	
400SE/SEL								
	W126	170	M116.965	To Ch.No.A363211	10.1985->12.1987		250-23163	
	W126	170	M116.965	Fr.Ch.No.A363212	10.1985->12.1987		250-23073	
	W140	210	M119.971	To Ch.No.A290166	02.1991->10.1998		250-24038	
	W140	210	M119.971	Fr.Ch.No.A290167	02.1991->06.1993	Left	250-24610	
	W140	210	M119.971	Fr.Ch.No.A290167	02.1991->06.1993	Right	250-24610	
500SE/SEL								
	W126	170	M117.963	Fr.Ch.No.A363212	12.1979->08.1985		250-23073	
	W126	177	M117.961	Fr.Ch.No.A363212	12.1979->08.1985		250-23073	
	W126	185	M117.965	To Ch.No.A363211	06.1989->06.1991		250-23163	
	W126	185	M117.965	Fr.Ch.No.A363212	06.1989->06.1991		250-23073	
	W140	240	M119.970	To Ch.No.A290166	02.1991->10.1998		250-24038	
	W140	240	M119.970	Fr.Ch.No.A290167	02.1991->06.1993	Left	250-24610	
	W140	240	M119.970	Fr.Ch.No.A290167	02.1991->06.1993	Right	250-24610	
	W140	240	M119.970	RH Drive,Fr.Ch.No.A290167	02.1991->06.1993	Left	250-24387	
	W140	240	M119.970	RH Drive,Fr.Ch.No.A290167	02.1991->06.1993	Right	250-24610	
560SE/SEL								
	W126	205	M117.968	To Ch.No.A363211	08.1987->06.1991		250-23163	
	W126	205	M117.968	Fr.Ch.No.A363212	08.1987->06.1991		250-23073	
600SE/SEL								
	W140	300	M120.982,M120.980		04.1991->12.1992	Left	250-24038	
	W140	300	M120.982,M120.980		04.1991->12.1992	Right	250-24038	
	W140	300	M120.982,M120.980		04.1991->12.1992	Left	250-24609	
	W140	300	M120.982,M120.980		04.1991->12.1992	Right	250-24609	
S280								
	W140	142	M104.944	To Ch.No.A290166	07.1993->10.1998		250-24038	
	W140	142	M104.944	Fr.Ch.No.A290167,To Ch.No.A328810	02.1993->10.1998		250-24140	
	W140	142	M104.944	Fr.Ch.No.A328811	02.1993->08.1998		250-24610	
	W220	150	M112.922		03.1999->06.2000	Left	250-24610	250-24609
	W220	150	M112.922		03.1999->06.2000	Right	250-24610	250-24609
	W220	150	M112.922		06.2000->09.2004	Left	250-24469	250-24469
	W220	150	M112.922		06.2000->09.2004	Right	250-24469	250-24469
S320								
	W140	170	M104.990,M104.994	To Ch.No.A290166	03.1991->10.1998		250-24038	
	W140	170	M104.990,M104.994	Fr.Ch.No.A290167,To Ch.No.A328810	03.1991->10.1998		250-24140	
	W140	170	M104.990,M104.994	Fr.Ch.No.A328811	03.1991->06.1993		250-24610	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
S CLASS (cont'd)								
S320 (cont'd)								
	W220	165	M112.944		10.1998->06.2000	Left	250-24610	250-24609
	W220	165	M112.944		10.1998->06.2000	Right	250-24610	250-24609
	W220	165	M112.944		06.2000->09.2004	Left	250-24469	250-24469
	W220	165	M112.944		06.2000->09.2004	Right	250-24469	250-24469
S320 CDI								
	W220	150	OM648.960		09.2002->09.2004			800-95008
	W221	173	OM642.930		01.2006->up			800-95008
	W221	173	OM642.930	RH Drive	01.2006->up			800-95009
S350								
	W220	180	M112.972		09.2002->09.2004	Left	250-24469	250-24469
	W220	180	M112.972		09.2002->09.2004	Right	250-24469	250-24469
4-matic	W220	180	M112.975		06.2003->08.2005	Left	250-24469	250-24469
	W220	180	M112.975		06.2003->08.2005	Right	250-24469	250-24469
	W221	200	M272.965		10.2005->up	Left	250-25043	250-24686
	W221	200	M272.965		10.2005->up	Right	250-25043	250-24686
S420								
	W126	170	M116.965	To Ch.No.A363211	10.1985->12.1987		250-23163	
	W126	170	M116.965	Fr.Ch.No.A363212	10.1985->12.1987		250-23073	
	W140	205	M119.971	To Ch.No.A290166	01.1993->10.1998		250-24038	
	W140	205	M119.971	Fr.Ch.No.A290167	01.1993->08.1998	Left	250-24610	
	W140	205	M119.971	Fr.Ch.No.A290167	01.1993->08.1998	Right	250-24610	
S430								
	W220	205	M113.941		10.1998->06.2000	Left	250-24610	250-24609
	W220	205	M113.941		10.1998->06.2000	Right	250-24610	250-24609
	W220	205	M113.941		06.2000->09.2004	Left	250-24469	250-24469
	W220	205	M113.941		06.2000->09.2004	Right	250-24469	250-24469
4-matic	W220	205	M113.948		09.2002->09.2004	Left	250-24469	250-24469
	W220	205	M113.948		09.2002->09.2004	Right	250-24469	250-24469
S450								
	W221	250	M273.923		01.2006->up	Left	250-25043	250-24686
	W221	250	M273.923		01.2006->up	Right	250-25043	250-24686
S500								
	W140	235	M119.970,M119.980	To Ch.No.A290166	01.1993->10.1998		250-24038	
	W140	235	M119.970,M119.980	Fr.Ch.No.A290167	01.1993->08.1998	Left	250-24610	
	W140	235	M119.970,M119.980	Fr.Ch.No.A290167	01.1993->08.1998	Right	250-24610	
	W140	235	M119.970,M119.980	Fr.Ch.No.A290167	01.1993->08.1998	Left	250-24387	
	W140	235	M119.970,M119.980	Fr.Ch.No.A290167	01.1993->08.1998	Right	250-24610	
	W220	225	M113.960		10.1998->06.2000	Left	250-24610	250-24609
	W220	225	M113.960		10.1998->06.2000	Right	250-24610	250-24609
	W220	225	M113.960		06.2000->09.2004	Left	250-24469	250-24469
	W220	225	M113.960		06.2000->09.2004	Right	250-24469	250-24469
4-matic	W220	225	M113.966		09.2002->09.2004	Left	250-24469	250-24469
	W220	225	M113.966		09.2002->09.2004	Right	250-24469	250-24469
	W221	285	M273.961		10.2005->up	Left	250-25043	250-24686
	W221	285	M273.961		10.2005->up	Right	250-25043	250-24686
S600								
	W140	290	M120.982,M120.980	To Ch.No.A290166	07.1993->10.1998	Left	250-24038	
	W140	290	M120.982,M120.980	To Ch.No.A290166	07.1993->10.1998	Right	250-24038	
	W140	290	M120.982,M120.980	Fr.Ch.No.A290167	01.1993->08.1998	Left	250-24609	
	W140	290	M120.982,M120.980	Fr.Ch.No.A290167	01.1993->08.1998	Right	250-24609	
	W220	270	M137.970		01.2000->09.2004	Left	250-24469	250-24469
	W220	270	M137.970		01.2000->09.2004	Right	250-24469	250-24469
	W220	368	M275.950		09.2002->09.2004	Left	250-24469	250-24469
	W220	368	M275.950		09.2002->09.2004	Right	250-24469	250-24469
S CLASS COUPE								
420SEC								
	C126	150	M116.965	To Ch.No.A363211	10.1985->06.1991		250-23163	
	C126	150	M116.965	Fr.Ch.No.A363212	10.1985->06.1991		250-23073	
	C126	160	M116.965	To Ch.No.A363211	10.1985->12.1987		250-23163	
	C126	160	M116.965	Fr.Ch.No.A363212	10.1985->12.1987		250-23073	
	C126	165	M116.965	To Ch.No.A363211	10.1985->06.1991		250-23163	
	C126	165	M116.965	Fr.Ch.No.A363212	10.1985->06.1991		250-23073	
	C140	205	M119.971	To Ch.No.A290166	10.1994->02.1999		250-24038	
	C140	205	M119.971	Fr.Ch.No.A290167	10.1994->02.1999	Left	250-24610	
	C140	205	M119.971	Fr.Ch.No.A290167	10.1994->02.1999	Right	250-24610	
500SEC								
	C126	170	M117.963	To Ch.No.A363211	10.1981->08.1985		250-23163	
	C126	170	M117.963	Fr.Ch.No.A363212	10.1981->08.1985		250-23073	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
S CLASS COUPE (cont'd)								
500SEC (cont'd)								
	C126	195	M117.965	To Ch.No.A363211	08.1989->06.1991		250-23163	
	C126	195	M117.965	Fr.Ch.No.A363212	09.1985->06.1991		250-23073	
	C140	235	M119.970,M119.980	To Ch.No.A290166	10.1992->02.1999		250-24038	
	C140	235	M119.970,M119.980	Fr.Ch.No.A290167	10.1992->02.1999	Left	250-24610	
	C140	235	M119.970,M119.980	Fr.Ch.No.A290167	10.1992->02.1999	Right	250-24610	
	C140	235	M119.970,M119.980	RH Drive,Fr.Ch.No.A290167	10.1992->02.1999	Left	250-24387	
	C140	235	M119.970,M119.980	RH Drive,Fr.Ch.No.A290167	10.1992->02.1999	Right	250-24610	
560SEC								
	C126	200	M117.968	To Ch.No.A363211	10.1985->12.1987		250-23163	
	C126	200	M117.968	Fr.Ch.No.A363212	10.1985->12.1987		250-23073	
	C126	205	M117.968	To Ch.No.A363211	10.1985->06.1991		250-23163	
	C126	205	M117.968	Fr.Ch.No.A363212	10.1985->06.1991		250-23073	
600SEC								
	C140	290	M120.982,M120.980	To Ch.No.A290166	09.1992->02.1999	Left	250-24038	
	C140	290	M120.982,M120.980	To Ch.No.A290166	09.1992->02.1999	Right	250-24038	
	C140	290	M120.982,M120.980	Fr.Ch.No.A290167	09.1992->02.1999	Left	250-24609	
	C140	290	M120.982,M120.980	Fr.Ch.No.A290167	09.1992->02.1999	Right	250-24609	
CL55 AMG								
	C215	265	M113.986		10.1999->03.2006	Left	250-24469	250-24469
	C215	265	M113.986		10.1999->03.2006	Right	250-24469	250-24469
Kompressor	C215	368	M113.991		09.2002->03.2006	Left	250-24469	250-24469
	C215	368	M113.991		09.2002->03.2006	Right	250-24469	250-24469
CL65 AMG								
	C215	450	M275.980		09.2003->03.2006	Left	250-24469	250-24469
	C215	450	M275.980		09.2003->03.2006	Right	250-24469	250-24469
CL420								
	C140	205	M119.971	To Ch.No.A290166	10.1994->02.1999		250-24038	
	C140	205	M119.971	Fr.Ch.No.A290167	10.1994->02.1999	Left	250-24610	
	C140	205	M119.971	Fr.Ch.No.A290167	10.1994->02.1999	Right	250-24610	
CL500								
	C140	235	M119.970,M119.980	To Ch.No.A290166	10.1992->02.1999		250-24038	
	C140	235	M119.970,M119.980	Fr.Ch.No.A290167	10.1992->02.1999	Left	250-24610	
	C140	235	M119.970,M119.980	Fr.Ch.No.A290167	10.1992->02.1999	Right	250-24610	
	C140	235	M119.970,M119.980	RH Drive,Fr.Ch.No.A290167	10.1992->02.1999	Left	250-24387	
	C140	235	M119.970,M119.980	RH Drive,Fr.Ch.No.A290167	10.1992->02.1999	Right	250-24610	
	C215	225	M113.960		08.1999->06.2000	Left	250-24610	250-24609
	C215	225	M113.960		08.1999->06.2000	Right	250-24610	250-24609
	C215	225	M113.960		06.2000->03.2006	Left	250-24469	250-24469
	C215	225	M113.960		06.2000->03.2006	Right	250-24469	250-24469
CL600								
	C140	290	M120.982,M120.980	To Ch.No.A290166	09.1992->02.1999	Left	250-24038	
	C140	290	M120.982,M120.980	To Ch.No.A290166	09.1992->02.1999	Right	250-24038	
	C140	290	M120.982,M120.980	Fr.Ch.No.A290167	09.1992->02.1999	Left	250-24609	
	C140	290	M120.982,M120.980	Fr.Ch.No.A290167	09.1992->02.1999	Right	250-24609	
	C215	270	M137.970		08.1999->03.2006	Left	250-24469	250-24469
	C215	270	M137.970		08.1999->03.2006	Right	250-24469	250-24469
	C215	368	M275.950		09.2002->03.2006	Left	250-24469	250-24469
	C215	368	M275.950		09.2002->03.2006	Right	250-24469	250-24469
SL CLASS								
55AMG								
	R230	380	M113.993		03.2006->up	Left	250-24469	250-24465
	R230	380	M113.993		03.2006->up	Right	250-24469	250-24465
	R230	350	M113.992		10.2001->06.2002	Left	250-24469	250-24465
	R230	350	M113.992		10.2001->06.2002	Right	250-24469	250-24465
Kompressor	R230	368	M113.992		06.2002->12.2005	Left	250-24469	250-24465
	R230	368	M113.992		06.2002->12.2005	Right	250-24469	250-24465
65AMG								
	R230	450	M275.981	3.200	03.2004->up	Left	250-24469	250-24469
	R230	450	M275.981	3.200	03.2004->up	Right	250-24469	250-24469
280								
	R129	142	M104.943	To Ch.No.F125157	08.1993->10.2001		250-24038	
	R129	142	M104.943	Fr.Ch.No.F125158,F127942	08.1993->10.2001		250-24140	
	R129	142	M104.943	To Ch.No.F127941,F140421	08.1993->10.2001		250-24140	
	R129	142	M104.943	Fr.Ch.No.F140422	08.1993->07.2001		250-24610	
	R129	150	M112.923	Euro 4 (D4)	06.1998->08.2001		250-24141	
300SL								
	R107	132	M103.982		09.1985->08.1989		250-23067	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
SL CLASS (cont'd)								
300SL (cont'd)								
SL-24	R107	138	M103.982		09.1985->08.1989		250-23067	
	R129	140	M103.984		03.1989->07.1993		250-23074	
	R129	170	M104.981		03.1989->07.1993		250-23074	
320								
	R129	165	M112.943		06.1998->08.2001		250-24140	
	R129	170	M104.991	To Ch.No.F125157	09.1993->10.2001		250-24038	
	R129	170	M104.991	Fr.Ch.No.F125158,F127942	09.1993->10.2001		250-24140	
	R129	170	M104.991	To Ch.No.F127941,F140421	09.1993->10.2001		250-24140	
	R129	170	M104.991	Fr.Ch.No.F140422	09.1993->07.2001		250-24610	
350								
	R230	200	M272.966		03.2006->01.2008	Left	250-25043	250-24675
	R230	200	M272.966		03.2006->01.2008	Right	250-25043	250-24675
	R230	180	M112.973		03.2003->10.2005	Left	250-24469	250-24466
	R230	180	M112.973		03.2003->10.2005	Right	250-24469	250-24466
420SL								
	R107	150	M116.964		01.1986->08.1989		250-23073	
	R107	160	M116.964		01.1986->08.1989		250-23073	
500								
	R230	285	M273.965		03.2006->01.2008	Left	250-25043	250-24675
	R230	285	M273.965		03.2006->01.2008	Right	250-25043	250-24675
	R129	225	M113.961		06.1998->10.2001		250-24141	
	R129	235	M119.982,M119.972	To Ch.No.F125157	09.1992->10.2001		250-24038	
	R129	235	M119.982,M119.972	Fr.Ch.No.F125158	09.1992->07.2001	Left	250-24143	
	R129	235	M119.982,M119.972	Fr.Ch.No.F125158	09.1992->07.2001	Right	250-24609	
	R230	225	M113.963		10.2001->10.2005	Left	250-24469	250-24465
	R230	225	M113.963		10.2001->10.2005	Right	250-24469	250-24465
500SL								
	R107	164	M117.964		01.1986->08.1989		250-23073	
	R107	180	M117.964		01.1986->08.1989		250-23073	
	R129	240	M119.960		09.1989->08.1992		250-23074	
600								
	R230	380	M275.954		03.2006->up	Left	250-24469	250-24469
	R230	380	M275.954		03.2006->up	Right	250-24469	250-24469
	R129	290	M120.983,M120.981	To Ch.No.F125157	07.1992->10.2001	Left	250-24038	
	R129	290	M120.983,M120.981	To Ch.No.F125157	07.1992->10.2001	Right	250-24038	
	R129	290	M120.983,M120.981	Fr.Ch.No.F125158	07.1992->07.2001	Left	250-24609	
	R129	290	M120.983,M120.981	Fr.Ch.No.F125158	07.1992->07.2001	Right	250-24609	
	R230	368	M275.951		04.2003->10.2005	Left	250-24469	250-24469
	R230	368	M275.951		04.2003->10.2005	Right	250-24469	250-24469
SLK CLASS								
32AMG								
Kompressor	R170	260	M112.960		10.2001->12.2003	Left	250-24469	250-24469
	R170	260	M112.960		10.2001->12.2003	Right	250-24469	250-24469
55 AMG								
	R171	265	M113.989		06.2004->up		250-24468	250-24466
	R171	265	M113.989		06.2004->up		250-24468	250-24466
200								
	R170	100	M111.946	To Eng.No.006646,013735	09.1996->03.2000		250-24140	
	R170	100	M111.946	Fr.Eng.No.006647,013736	09.1996->03.2000		250-24143	
Kompressor	R170	120	M111.958		04.2000->12.2003		250-24469	250-24469
Kompressor	R170	141	M111.943		10.1996->06.1998		250-24140	
	R170	141	M111.943		06.1998->03.2000		250-24143	
Kompressor	R171	120	M271.944		03.2004->up		250-25003	250-24468
230								
Kompressor	R170	142	M111.973	To Eng.No.013520,041031	09.1996->03.2000		250-24140	
	R170	142	M111.973	Fr.Eng.No.013521,041032	09.1996->03.2000		250-24143	
Kompressor	R170	145	M111.983		03.2000->12.2003		250-24469	250-24469
280								
	R171	170	M272.940		01.2005->up	Left	250-25043	250-24675
	R171	170	M272.940		01.2005->up	Right	250-25043	250-24675
	R171	170	M272.940	RH Drive	01.2005->up	Left	250-25043	250-24675
	R171	170	M272.940	RH Drive	01.2005->up	Right	250-25045	250-24675
320								
	R170	160	M112.947		03.2000->12.2003	Left	250-24469	250-24469
	R170	160	M112.947		03.2000->12.2003	Right	250-24469	250-24469



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
SLK CLASS (cont'd)								
350								
	R171	200	M272.963		06.2004->up	Left	250-25043	250-24675
	R171	200	M272.963		06.2004->up	Right	250-25043	250-24675
	R171	200	M272.963	RH Drive	06.2004->up	Left	250-25043	250-24675
	R171	200	M272.963	RH Drive	06.2004->up	Right	250-25045	250-24675
SLR								
5.4	R199	460	M155.980		04.2004->up	Left	250-24469	250-24465
	R199	460	M155.980		04.2004->up	Right	250-24469	250-24465
SPRINTER								
2-t BOX								
214	901, 902	105	M111.979		02.1995->05.2006		250-24180	
214 NGT	901, 902	92	M111.984		04.2000->05.2006		250-24143	250-24610
2-t BUS								
214	901, 902	105	M111.979,M111.984		02.1995->05.2006		250-24180	
214 NGT	901, 902	92	M111.984		04.2000->05.2006		250-24143	250-24610
2-t FLATBED/CHASSIS								
214	901, 902	105	M111.979		02.1995->05.2006		250-24180	
214 NGT	901, 902	92			04.2000->05.2006		250-24143	250-24610
3-t BOX								
209 CDI	906	65	M646.984		06.2006->up			800-95009
211 CDI	906	80	OM646.985		06.2006->up			800-95009
215 CDI	906	110	OM646.990		06.2006->up			800-95009
218 CDI	906	135	OM642.992		06.2006->up			800-95010
224	906	190	M272.979		06.2006->up	Left	250-25045	250-24752
	906	190	M272.979		06.2006->up	Right	250-25043	250-24752
309 CDI	906	65	OM646.984		06.2006->up			800-95009
311 CDI	906	80	OM646.985		06.2006->up			800-95009
314	903	105	M111.979		02.1995->05.2006		250-24180	
314 4x4	903	105	M111.979,M111.984		08.2002->05.2006		250-24198	
	903	105	M111.984		08.2002->05.2006		250-24143	250-24610
315 CDI	906	110	OM646.990		06.2006->up			800-95009
318 CDI	906	135	OM642.992		06.2006->up			800-95010
324	906	190	M272.979		06.2006->up	Left	250-25045	250-24752
	906	190	M272.979		06.2006->up	Right	250-25043	250-24752
3-t BUS								
211 CDI	906	80	OM646.985		06.2006->up			800-95009
215 CDI	906	110	OM646.990		06.2006->up			800-95009
224	906	190	M272.979		06.2006->up	Left	250-25045	250-24752
	906	190	M272.979		06.2006->up	Right	250-25043	250-24752
311 CDI	906	80	OM646.985		06.2006->up			800-95009
314	903	105	M111.979		02.1995->05.2006		250-24180	
314 4x4	903	105	M111.984		08.2002->05.2006		250-24143	250-24610
314 NGT	903	92	M111.984		04.2000->05.2006		250-24143	250-24610
315 CDI	906	110	OM646.990		06.2006->up			800-95009
324	906	190	M272.979		06.2006->up	Left	250-25045	250-24752
	906	190	M272.979		06.2006->up	Right	250-25043	250-24752
3-t FLATBED/CHASSIS								
209 CDI	906	65	OM646.984		06.2006->up			800-95009
211 CDI	906	80	OM646.985		06.2006->up			800-95009
215 CDI	906	110	OM646.990		06.2006->up			800-95009
218 CDI	906	135	M642.992		06.2006->up			800-95010
224	906	190	M272.979		06.2006->up	Left	250-25045	250-24752
	906	190	M272.979		06.2006->up	Right	250-25043	250-24752
309 CDI	906	65	OM646.984		06.2006->up			800-95009
311 CDI	906	80	OM646.985		06.2006->up			800-95009
314	903	105	M111.979		02.1995->05.2006		250-24180	
314 4x4	903	105	M111.979,M111.984		08.2002->05.2006		250-24143	250-24610
314 NGT	903	92	M111.984		04.2000->05.2006		250-24143	250-24610
315 CDI	906	110	OM646.990		06.2006->up			800-95009
318 CDI	906	135	OM642.992		06.2006->up			800-95010
324	906	190	M272.979		06.2006->up	Left	250-25045	250-24752
	906	190	M272.979		06.2006->up	Right	250-25043	250-24752
4-t BOX								
414	904	105	M111.979		02.1996->05.2006		250-24180	
414 4x4	904	105	M111.979,M111.984		05.1997->03.2000		250-24180	
4-t BUS								
414	904	105	M111.979,M111.984		02.1996->03.2000		250-24180	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MERCEDES (cont'd)								
SPRINTER (cont'd)								
4-t FLATBED/CHASSIS								
414	904	105	M111.979,M111.984		02.1996->05.2006		250-24180	
414 4x4	904	105	M111.979,M111.984		05.1997->03.2000		250-24180	
5-t BOX								
309 CDI	906	65	OM646.984	6.201	06.2006->up			800-95009
311 CDI	906	80	OM646.985	6.201	06.2006->up			800-95009
315 CDI	906	110	OM646.990	6.201	06.2006->up			800-95009
318 CDI	906	135	OM642.992	6.201	06.2006->up			800-95010
324	906	190	M272.979	6.201	06.2006->up	Left	250-25045	250-24752
	906	190	M272.979	6.201	06.2006->up	Right	250-25043	250-24752
509 CDI	906	65	OM646.984	6.201	06.2006->up			800-95009
511 CDI	906	80	OM646.985	6.201	06.2006->up			800-95009
515 CDI	906	110	OM646.986	6.201	06.2006->up			800-95009
518 CDI	906	135	OM642.992	6.201	06.2006->up			800-95010
5-t BUS								
311 CDI	906	80	OM646.985	6.201	06.2006->up			800-95009
315 CDI	906	110	OM646.990	6.201	06.2006->up			800-95009
324	906	190	M272.979	6.201	06.2006->up	Left	250-25045	250-24752
	906	190	M272.979	6.201	06.2006->up	Right	250-25043	250-24752
5-t FLATBED/CHASSIS								
309 CDI	906	65	OM646.984	6.201	06.2006->up			800-95009
311 CDI	906	80	OM646.985	6.201	06.2006->up			800-95009
315 CDI	906	110	OM646.990	6.201	06.2006->up			800-95009
318 CDI	906	135	OM642.992	6.201	06.2006->up			800-95010
324	906	190	M272.979	6.201	06.2006->up	Left	250-25045	250-24752
	906	190	M272.979	6.201	06.2006->up	Right	250-25043	250-24752
509 CDI	906	65	OM646.984	6.201	06.2006->up			800-95009
511 CDI	906	80	OM646.985	6.201	06.2006->up			800-95009
515 CDI	906	110	OM646.990	6.201	06.2006->up			800-95009
518 CDI	906	135	OM642.992	6.201	06.2006->up			800-95010
VANEO								
1.6	414	60	M166.961	2.200	02.2002->up		250-24469	250-24469
	414	75	M166.961	2.200	02.2002->up		250-24469	250-24469
1.9	414	92	M166.991	2.200	02.2002->up		250-24469	250-24469
V CLASS								
V200								
	638/2	95	M111.948,M111.950	A/T	02.1997->12.2002		250-24180	
	638/2	95	M111.950	M/T	02.1997->12.2002		250-24143	
V230								
	638/2	105	M111.980,M111.978	A/T	10.1996->07.2003		250-24180	
	638/2	105	M111.980	M/T	10.1996->07.2003		250-24143	
V280								
	638/2	128	M104.900	A/T	08.1997->12.2002		250-24180	
	638/2	128	M104.900	M/T	08.1997->12.2002	Left	250-24143	
	638/2	128	M104.900	M/T	08.1997->12.2002	Right	250-24143	
VITO BOX								
109 CDI 2.2	W639	65	OM646.983		09.2003->up			800-95008
111 CDI 2.2	W639	80	OM646.982		09.2003->up			800-95008
113 2.0	638	95	M111.948,M111.950		03.1997->07.2003		250-24180	
	638	95	M111.950		03.1999->07.2003		250-24143	
114 2.3	638	105	M111.980,M111.978		03.1997->07.2003		250-24180	
115 CDI 2.2	W639	110	OM646.982		09.2003->up			800-95008
119 3.2	W639	140	M112.951		09.2003->up	Left	250-24469	250-24469
	W639	140	M112.951		09.2003->up	Right	250-24469	250-24469
122 3.2	W639	160	M112.951		09.2003->up	Left	250-24469	250-24469
	W639	160	M112.951		09.2003->up	Right	250-24469	250-24469
VITO BUS								
109 CDI 2.2	W639	65	OM646.983	9.200	09.2003->up			800-95008
111 CDI 2.2	W639	80	OM646.982	9.200	09.2003->up			800-95008
113 2.0	638	95	M111.948,M111.950	2.200	02.1996->07.2003		250-24180	
	638	95	M111.950	3.200	03.1999->07.2003		250-24143	
114 2.3	638	105	M111.980,M111.978	12.200	12.1996->07.2003		250-24180	
115 CDI 2.2	W639	110	OM646.982	9.200	09.2003->up			800-95008
119	W639	140	M112.951	9.200	09.2003->up	Left	250-24469	250-24469
	W639	140	M112.951	9.200	09.2003->up	Right	250-24469	250-24469
122	W639	160	M112.951	9.200	09.2003->up	Left	250-24469	250-24469
	W639	160	M112.951	9.200	09.2003->up	Right	250-24469	250-24469
123	W639	170	M112.976	6.200	06.2004->up	Left	250-24469	250-24469
	W639	170	M112.976	6.200	06.2004->up	Right	250-24469	250-24469



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MG								
MGF								
1.6	RD	82	16K4F	To Ch.No.YD522572	02.2000->03.2002		250-24193	
	RD	82	16K4F	Fr.Ch.No.YD522573	02.2000->03.2002		250-24538	250-24538
1.8i 16V	RD	88	18K4F	To Ch.No.YD522572	03.1995->03.2002		250-24193	
	RD	88	18K4F	Fr.Ch.No.YD522573	03.1995->03.2002		250-24538	250-24538
1.8i VVC	RD	107	18K4K	To Ch.No.YD522572	03.1995->03.2002		250-24193	
	RD	107	18K4K	Fr.Ch.No.YD522573	03.1995->03.2002		250-24538	250-24538
	RD	118	18K4K	To Ch.No.YD522572	10.2001->03.2002		250-24193	
	RD	118	18K4K	Fr.Ch.No.YD522573	10.2001->03.2002		250-24538	250-24538
MG TF								
115		85	16K4F		03.2002->up		250-24538	250-24538
120		88	18K4F		03.2002->up		250-24538	250-24538
135		100	18K4F		03.2002->up		250-24538	250-24538
160		118	18K4K		03.2002->up		250-24538	250-24538
MG ZR								
105		76	14K4F4		06.2001->up		250-24538	250-24566
120		86	18K4F		06.2001->up		250-24538	250-24565
160		118	18K4K		06.2001->up		250-24538	250-24565
MG ZS								
120		86	18K4F		07.2001->up		250-24538	250-24566
120 Hatchback		86	18K4F		07.2001->up		250-24538	
180		130	25KV6		07.2004->up	Left	250-24480	●250-24566
		130	25KV6		07.2004->up	Right	250-24480	
180 Hatchback		130	25KV6		07.2001->04.2005	Left	250-24480	●250-24566
		130	25KV6		07.2001->04.2005	Right	250-24480	
MG ZT								
1.8 16V		88	K4F		01.2003->up		250-24480	250-24480
1.8 T 16V		118	K4T		01.2003->up		250-24480	250-24480
160		118	25K6		01.2003->up	Left	250-24480	●250-24480
		118	25K6		01.2003->up	Right	250-24480	
180		130	25KV6		01.2003->up	Left	250-24480	●250-24480
		130	25KV6		01.2003->up	Right	250-24480	
190		140	25K6		10.2001->up	Left	250-24480	●250-24480
		140	25K6		10.2001->up	Right	250-24480	
MG ZT- T								
1.8 16V		88	18K4F		01.2003->up		250-24480	250-24480
1.8 T 16V		118	18K4T		01.2003->up		250-24480	250-24480
160		118	25K4F		01.2003->up	Left	250-24480	250-24480
		118	25K4F		01.2003->up	Right	250-24480	
180		130	25KV6		01.2003->up	Left	250-24480	●250-24480
		130	25KV6		01.2003->up	Right	250-24480	
190		140	K4F		10.2001->up	Left	250-24480	●250-24480
		140	K4F		10.2001->up	Right	250-24480	
MINI								
CABRIOLET COOPER								
1.6i 16V	R50, R53	85	W10B16A		09.2001->11.2006		250-24775	250-24775
	R56	88	N12B16A		11.2006->08.2010		250-25034	250-24546
	R57	90	N16B16A		03.2010->up		250-25087	250-25087
CABRIOLET COOPER S								
1.6i 16V	R50, R53	120	W11B16A		04.2002->06.2004		250-24775	250-24775
	R50, R53	125	W11B16A		07.2004->11.2006		250-24775	250-24775
	R57	135	N18B16A		03.2010->up		250-25087	
1.6i 16V Turbo	R56	128	N14B16A		09.2008->08.2010		250-25044	250-24546
CABRIOLET ONE								
1.6i 16V	R50, R53	66	W10B16A		09.2001->11.2006		250-24775	250-24775
1.6D		66	N47C16AK1		03.2009->up			800-95008
1.6i 16V	R56	70	N12B14A		03.2007->03.2010		250-25034	250-24546
	R56	70	N12B14S		03.2007->03.2010		250-25034	250-24546
	R57	72	N16B16AU0		03.2010->up		250-25087	
CABRIOLET JCW								
1.6i Turbo		155	N14B16C		07.2009->up		250-25044	250-24546
CLUBMAN COOPER								
1.4i 16V		70	N12B14A		08.2007->03.2009		250-25034	250-24546
1.6i 16V		88	N16B16A		08.2007->03.2009		250-25034	250-24546
		90	N16B16A		08.2007->03.2009		250-25034	250-24546
CLUBMAN COOPER S								
1.6i 16V		128	N14B16A		08.2007->03.2009		250-25044	250-24546
1.6i Turbo		135	N18B16A		03.2009->up		250-25044	250-24546



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MINI (cont'd)								
CLUBMAN COOPER S JCW								
1.6i Turbo		155	N14B16C		03.2009->up		250-25044	250-24546
CLUBMAN JCW								
1.6i Turbo		155	N14B16C		03.2009->up		250-25044	250-24546
CLUBMAN ONE								
1.4i 16V		72	N16B16A		03.2009->up		250-25034	250-24546
COOPER								
1.6i 16V	R50, R53	85	W10B16A		09.2001->11.2006		250-24775	250-24775
	R56	88	N12B16A		11.2006->08.2010		250-25034	250-24546
Cooper	R56	90	N16B16A		03.2010->up		250-25087	
COOPER S								
1.6i 16V	R50, R53	120	W11B16A		04.2002->06.2004		250-24775	250-24775
	R50, R53	125	W11B16A		07.2004->11.2006		250-24775	250-24775
	R56	135	N18B16A		03.2010->up		250-25087	
1.6i 16V Turbo	R56	128	N14B16A		09.2008->08.2010		250-25044	250-24546
COUNTRYMAN COOPER								
1.6	R60	90	N16B16A		06.2010->up		250-25087	
1.6D		80	N47C16AU1		08.2010->up			800-95008
COUNTRYMAN COOPER S								
1.6	R60	135	N18B16A		06.2010->up		250-25087	
2.0D		105	N47C20A		03.2011->up			800-95008
COUNTRYMAN ONE								
1.6	R60	72	N16B16AU0		06.2010->up		250-25087	
1.6D		80	N47C16AK1		08.2010->up			800-95008
COUPE COOPER								
1.6	R58	90	N16B16A		09.2011->up		250-25087	
COUPE COOPER S								
1.6	R58	135	N18B16A		09.2011->up		250-25087	
2.0D		105	N47C20A		03.2011->up			800-95008
COUPE JCW								
1.6i Turbo		155	N14B16C		09.2011->up		250-25044	250-24546
JCW								
1.6i Turbo		155	N14B16C		07.2009->up		250-25044	250-24546
MINI MK I								
1300		37	12A2D		10.1992->12.1999		250-24805	
		39	12A2D		06.1992->04.1995		250-24805	
		45	12A2A		01.1991->12.1991		250-24805	
		46	12A2E		06.1992->09.1996		250-24805	
MINI MK I CABRIOLET								
1300	XN	46	12A2E		09.1992->04.1995		250-24805	
ONE								
1.6i 16V	R50, R53	66	W10B16A		09.2001->11.2006		250-24775	250-24775
	R56	70	N12B14A		03.2007->03.2010		250-25034	250-24546
	R56	70	N12B14S		03.2007->03.2010		250-25034	250-24546
1.6D		66	N47C16AK1		03.2009->up			800-95008
STREETWISE								
1.4		62, 76	14K4F4, 14K4F		08.2003->04.2005		250-24538	250-24566
MITSUBISHI								
3000 GT								
3.0 i 24V 4x4	Z16A	210	6G72		06.1992->05.1993		250-24231	
	Z16A	210	6G72		06.1993->08.1999		250-24236	250-24630
ASX								
1.6i		85			06.2010->06.2012		250-24485	
1.8i		103			05.2010->06.2012		250-24751	250-241056
2.0i		110			05.2010->06.2012		250-24751	250-241056
CARISMA								
1.6	DA_	66,70	4G92		07.1995->06.2006		250-24231	
	DA_	73	4G92		07.1995->06.2006		250-24231	
	DA_	70,73	4G92-28R		03.1999->06.2006		250-24633	
1.6	DA_	76	4G92		09.2000->06.2006			250-24980
1.6i 16V	DA_	76	4G92-103		09.2000->06.2006		250-24233	250-24980
1.8	DA_	85	4G93		07.1995->02.1999		250-24231	
	DA_	85	4G93		03.1999->06.2006		250-24230	
1.8 16V	DA_	103	4G93		07.1995->04.1997		250-24231	
1.8 16V GDI	DA_	92	4G93		09.1997->02.1999		250-24230	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MITSUBISHI (cont'd)								
CARISMA (cont'd)								
1.8 GDI	DA_	90	4G93		10.2000->06.2006		250-24230	
CARISMA SALOON								
1.6	DA_	66,70	4G92		09.1996->06.2006		250-24231	
	DA_	73	4G92		09.1996->06.2006		250-24231	
	DA_	70,73	4G92-28R		03.1999->06.2006		250-24633	
1.8	DA_	85	4G93		09.1996->02.1999		250-24231	
	DA_	85	4G93		03.1999->06.2006		250-24230	
1.8 16V GDI	DA_	92	4G93		09.1997->03.1999		250-24230	
COLT CZC CABRIOLET								
1.5		80	4A91		05.2006->up		250-24979	250-24979
1.5 Turbo	1.5 Turbo	110	4G15M		05.2006->up		250-241029	250-24979
COLT II								
1.3 EL, GL	C1_A	49	G13B		06.1986->04.1988		250-21007	
1.5 GLX	C1_A	51	G15B		06.1986->04.1988		250-21007	
1.6 Turbo ECi	C1_A	77	G32BT		07.1986->04.1988		250-21000	
COLT III								
1.3	C5_A	51	4G13		06.1990->05.1992		250-22066	
1.3 12V	C5_A	55	4G13(12V)		04.1988->05.1990		250-21007	
	C5_A	55	4G13(12V)		06.1990->05.1992		250-22066	
1.3 GL	C5_A	44	4G13		04.1988->05.1990		250-21007	
	C5_A	44	4G13		06.1990->12.1990		250-22066	
1.5	C5_A	66	4G15		07.1990->05.1992		250-22066	
1.5 GLXi	C5_A	62	4G15		04.1988->04.1989		250-21007	
	C5_A	62	4G15		05.1989->05.1990		250-22002	
	C5_A	62	4G15		06.1990->05.1992		250-22066	
1.6 GTi 16V	C5_A	91	4G61		04.1988->05.1990		250-24007	
	C5_A	100	4G67		06.1990->05.1992		250-24007	
COLT IV								
1.3 GLi 12V	CA_A	55	4G13(BJ92-...12V)		04.1992->04.1996		250-24020	
1.6	CA_A	66	4G92		02.1994->04.1996		250-24229	
	CA_A	66	4G92		11.1995->04.1996		250-24630	
1.6 GLXi 16V	CA_A	83	4G92		04.1992->04.1996		250-24229	
1.8 GTi 16V	CA_A	103	4G93		04.1992->04.1996		250-24229	
COLT V								
1300 GL, GLX	CJ_A	55	4G13(12V)		12.1997->05.2000		250-24233	250-24083
1.6i	CJ_A	66	4G92-31		06.2000->06.2003		250-24233	
1600 GLX	CJ_A	66	4G92		06.2000->09.2000		250-24233	
COLT VI								
1.1	Z_	55	3A91		10.2004->up		250-24979	250-24979
1.3	Z_	70	4A90		06.2004->up		250-24979	250-24979
1.5	Z_	80	4A91		06.2004->up		250-24979	250-24979
1.5 CZT	Z_	110	4G15M		06.2005->up		250-241029	250-24979
1.5 DI-D		50	D3-EA		01.2005->up			800-95008
		70	D3-EA		08.2004->up			800-95008
CORDIA								
1.8 Turbo ECi	A21_A, AB	100	4G62T		10.1986->12.1986		250-21000	
ECLIPSE I								
2.0 i 16V	D2_A	110	4G63		04.1991->03.1994		250-24007	
2.0 i 16V 4x4	D2_A	110	4G63		04.1991->03.1994		250-24007	
ECLIPSE II								
2000 GS 16V	D3_	107	4G63		12.1995->04.1999		250-24007	
2000 GT 16V	D3_	157	4G63		12.1995->04.1999		250-24229	250-24224
GALANT III								
2.0 GLS	E1_A	66	G63B		06.1986->12.1987		250-21007	
	E1_A	75	4G63		06.1984->12.1987		250-21007	
2.0 Turbo ECi	E1_A	110	4G63T		06.1984->05.1985		250-21000	
2.4 GLS	E1_A	82	G64B		07.1985->11.1987		250-21000	
GALANT IV								
1.8	E3_A	66	4G37		11.1988->10.1989		250-21007	
2.0	E3_A	80	4G63		04.1989->05.1991		250-21005	
	E3_A	80	4G63		06.1991->10.1992		250-22002	
2.0 4x4	E3_A	80	4G63		04.1989->05.1991		250-21005	
2.0 GTi 16V	E3_A	106	4G63		11.1988->05.1990		250-24007	
	E3_A	107	4G63		11.1988->05.1990		250-24007	
	E3_A	106	4G63		05.1990->10.1992		250-24091	
2.0 GTi 16V 4x4	E3_A	106	4G63		11.1989->05.1991		250-24007	
	E3_A	106	4G63		06.1991->10.1992		250-24091	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
mitsubishi (cont'd)								
GALANT IV SALOON								
1.8	E3_A	63,66	4G37		12.1987->05.1991		250-21007	
	E3_A	66	4G37		06.1991->10.1992		250-22002	
2.0	E3_A	80	4G63		12.1987->05.1991		250-21005	
	E3_A	80	4G63		06.1991->10.1992		250-22002	
2.0 4x4	E3_A	80	4G63		12.1988->05.1991		250-21005	
	E3_A	80	4G63		06.1991->10.1992		250-22002	
2.0 GTi 16V	E3_A	106	4G63		12.1987->05.1990		250-24007	
	E3_A	106	4G63		06.1990->10.1992		250-24091	
2.0 GTi 16V 4x4	E3_A	106	4G63		06.1988->05.1991		250-24007	
2.0 GTi 16V 4x4 CAT	E3_A	110	4G63		09.1991->10.1992		250-24091	
GALANT V								
1.8	E5_A,E7_A,E8_A	85	4G93		02.1994->05.1996		250-24229	
1.8 GLSI	E5_A,E7_A,E8_A	93	4G93		11.1992->05.1996		250-24229	
2.0 V6-24	E5_A,E7_A,E8_A	110	6A12		11.1992->05.1996		250-24224	
2.0 GLSI	E5_A,E7_A,E8_A	101	4G63		11.1992->05.1996		250-24229	
GALANT V SALOON								
1.8	E5_A,E7_A,E8_A	85	4G93		02.1994->05.1996		250-24229	
1.8 GLSI	E5_A,E7_A,E8_A	93	4G93		11.1992->05.1996		250-24229	
2.0 V6-24	E5_A,E7_A,E8_A	110	6A12		11.1992->05.1996		250-24224	
2.0 GLSI	E5_A,E7_A,E8_A	101	4G63		11.1992->05.1996		250-24229	
GALANT VI								
2.0	EA_	98	4G63		09.1996->02.2003		250-241020	250-24224
	EA_	100	4G63		09.1996->02.2003		250-24224	250-24224
2.4 GDI	EA_	106	4G64(GDI)		09.2000->05.2003		250-241020	250-24224
2.5 V6 24V	EA_	120	6A13		09.1996->02.2000		250-24224	250-24224
	EA_	118	6A13		09.2000->05.2003	Left	250-24933	250-24241
	EA_	118	6A13		09.2000->05.2003	Right	250-24233	250-24630
GALANT VI STATION WAGON								
2.0	EA_	100	4G63		02.2000->09.2000		250-241020	250-24224
	EA_	98	4G63-6		09.2000->09.2002		250-24224	250-24224
2.4 GDI	EA_	106	4G64(GDI)		02.1999->09.2002		250-241020	250-24224
2.5i	EA_	118	6A13		09.2000->09.2002	Left	250-24933	250-24241
	EA_	118	6A13		09.2000->09.2002	Right	250-24233	250-24630
2.5 V6 24V	EA_	120	6A13		02.2000->09.2000		250-24224	250-24224
	EA_	118	6A13		09.2000->09.2002	Left	250-24933	250-24241
	EA_	118	6A13		09.2000->09.2002	Right	250-24233	250-24630
GRANDIS								
2.4		121	4G69		04.2004->up	Left	250-24662	250-24236
		121	4G69		04.2004->up	Right	250-24662	250-24026
MIGHTY MAX								
3.0	K3_T, K2_T	107		Fr.Con. 06.1990, To Con. 05.1991, M/T	11.1986->05.1992		250-24237	
3.0	K1_T, K0_T	107		Fr.Con. 06.1990, To Con. 05.1991, M/T	11.1986->05.1992		250-24237	
L 200								
2.0	K_T	90	4G63		06.1996->06.2001		250-24230	
2.4i		96			06.1990->05.1991		250-22067	
2.4 4x4	K_T	97	4G64		06.1996->06.2001		250-24230	
2.6 4WD	K_T	76	G54B		11.1989->05.1995		250-21061	
3.0i 4WD V6		104			06.1990->05.1991		250-24237	
L300								
2.0		81	4G63		07.2003->up		250-24026	
L 300 BOX								
2.0	P0_W, P1_W,	64,66	4G63		11.1986->10.1988		250-21007	
	P2_W	64,66	4G63		11.1986->10.1988		250-21007	
2.0 i	P0_W, P1_W,	83	4G63		07.1996->08.1997		250-24026	
	P2_W	83	4G63		07.1996->08.1997		250-24026	
2.4	P0_W, P1_W,	82	4G64		11.1990->05.1996		250-21007	
	P2_W	82	4G64		11.1990->05.1996		250-21007	
2.4 4WD	P0_W, P1_W,	80	G64B		11.1986->10.1988		250-21007	
	P2_W	80	G64B		11.1986->10.1988		250-21007	
	P0_W, P1_W,	82	4G64		11.1990->06.1995		250-21007	
	P2_W	82	4G64		11.1990->06.1995		250-21007	
L 300 FLATBED/CHASSIS								
2.0	P1_T	85	4G63		07.1994->04.2000		250-24026	
L 300 KASTEN								
2.0	P0_W, P1_W	83	4G63		11.2003->02.2006		250-24026	
LANCER								
1.5		80			03.2007->06.2010		250-241050	250-241049
1.6		86			07.2010->up		250-24485	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
LANCER ESTATE								
2.0	CS_W	99	4G63		09.2003->up		250-24933	250-24224
LANCER HATCHBACK								
1.5	CY/Z_A	80	4A91		06.2008->up		250-241050	
LANCER KOMBI								
1.6	CS_W	72	4G18		09.2003->06.2008		250-24233	250-24981
LANCER SALOON								
1.3	CS_A	60	4G13(16V)		09.2003->up		250-24233	250-24981
1.6	CS_A	72	4G18		09.2003->up		250-24233	250-24981
2.0	CS_A	99	4G63		01.2004->up		250-24933	250-24224
LANCER III								
1.5 GLX	C1_A, C6_A	51	G15B		06.1985->04.1988		250-21007	
LANCER III STATION WAGON								
1.5	C1_V, C3_V	51	4G15		06.1988->05.1989		250-21007	
	C1_V, C3_V	51	4G15		06.1989->08.1989		250-22002	
	C1_V, C3_V	61	4G15		09.1988->12.1990		250-21012	
1.5 12V	C1_V, C3_V	66	4G15(12V)		09.1990->12.1991		250-21007	
1.8 4x4	C1_V, C3_V	61	G37B		01.1987->08.1989		250-21007	
	C1_V, C3_V	63	4G37		03.1989->05.1990		250-21007	
	C1_V, C3_V	69	4G37		08.1990->03.1992		250-22002	
LANCER IV								
1.3 12V	C6_A, C7_A	55	4G13		06.1992->05.1994		250-24020	
1.5	C6_A, C7_A	62	4G15		05.1989->05.1990		250-21000	
1.5 12V	C6_A, C7_A	66	4G15		05.1989->05.1990		250-22002	
	C6_A, C7_A	66	4G15		06.1990->05.1992		250-22066	
1.6 16V	C6_A, C7_A	83	4G92		06.1992->05.1994		250-24229	
1.8 4x4	C6_A, C7_A	71	4G37		09.1989->05.1992		250-21007	
1.8 GTi 16V	C6_A, C7_A	100	4G67		11.1989->05.1992		250-24007	
	C6_A, C7_A	103	4G93		06.1992->12.1993		250-24229	
LANCER IV SALOON								
1.3	C6_A	44	4G13		04.1988->05.1990		250-21007	
	C6_A	44	4G13		06.1990->05.1992		250-22066	
	C6_A	51	G13B		08.1988->05.1992		250-21007	
1.3 12V	C6_A	55	4G13(12V)		07.1990->05.1992		250-22066	
1.5	C6_A	62	4G15		06.1991->04.1992		250-22066	
1.5 12V	C6_A	66	4G15(12V)		05.1989->05.1990		250-22002	
	C6_A	66	4G15(12V)		06.1990->05.1992		250-22066	
LANCER V								
1.3	CB/D_A	55	4G13		06.1992->12.1996		250-24020	
1.6	CB/D_A	66	4G92		02.1994->up		250-24229	
1.6 16V	CB/D_A	83	4G92		06.1992->12.1996		250-24229	
1.6 16V 4WD	CB/D_A	83	4G92		06.1992->07.1995		250-24229	
1.8 16V	CB/D_A	103	4G93		06.1992->12.1993		250-24229	
LANCER V STATION WAGON								
1.6 16V	CB_W, CD_W	83	4G92		12.1992->10.2003		250-24229	250-24232
1.6 16V 4WD	CB_W, CD_W	83	4G92		12.1992->11.1994		250-24229	
LANCER VI								
1.3 12V	CK/P_A	55	4G13-2J		12.1995->12.1996		250-24020	
	CK/P_A	55	4G13-38		12.1995->08.2003		250-24233	250-24083
2.0 16V EVO	CK/P_A	206	4G63 Turbo	RH Drive	01.1998->08.2000		250-24262	
MONTERO SPORT								
3.0i		130	6G72-8-GG		06.2000->up	Left	250-24631	250-24235
		130	6G72-8-GG		06.2000->up	Right	250-24631	250-24239
OUTLANDER								
2.0	CU2W	100	4G63		05.2003->10.2006		250-24933	
2.4 4WD		118	4G69		09.2003->up	Left	250-24162	250-24236
		118	4G69		09.2003->up	Right	250-24167	250-24026
		119	4G69		09.2003->up	Left	250-24162	250-24236
		119	4G69		09.2003->up	Right	250-24167	250-24026
3.0 4x4		162	6B31		11.2006->up	Left	250-24242	250-24236
		162	6B31		11.2006->up	Right	250-24233	250-24239
OUTLANDER I								
2	CU_W	100	4G63		05.2003->10.2006			250-241021
2.0 4WD	CU_	100	4 G 63		06.2003->12.2008		250-24933	250-241009
2.0 Turbo 4WD	CU_	148	4G63T(DOHC16V)		04.2006->12.2008		250-24631	250-241009
2.4i	CU_	118	4G69-2		09.2003->12.2008	Left	250-24162	250-24236
	CU_	118	4G69-2		09.2003->12.2008	Right	250-24167	250-24026



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
MITSUBISHI (cont'd)								
PAJERO								
1.8GDI	H6_W, H7_W	88	4G93		08.1999->01.2005		250-24630	
PAJERO I								
3.0 V6	L04_G, L14_G	104	6G72		11.1988->11.1990		250-22065	
PAJERO I CANVAS TOP								
2.6	L04_G	76	4G54		05.1986->11.1990		250-21005	
PAJERO II								
3.0 V6 4x4	V2_W, V4_W	110	6G72		11.1993->05.1994		250-24230	
3.0 V6 24V	V2_W, V4_W	130	6G72-8H	A/T	06.1997->04.2000		250-24235	
	V2_W, V4_W	130	6G72-8H	M/T	06.1997->04.2000		250-24230	
	V2_W, V4_W	130	6G72-8-GG		08.1998->04.2000		250-24234	
	V2_W, V4_W	153	6G74		06.1994->05.1997		250-24235	
	V2_W, V4_W	143	6G74		07.1997->04.2000		250-24235	250-24240
PAJERO II CANVAS TOP								
3.0 V6	V2_W, V4_W	110	6G72		12.1990->05.1994		250-24230	
3.0 V6 24V	V2_W, V4_W	133	6G72	A/T	06.1994->04.2000		250-24235	
	V2_W, V4_W	133	6G72	M/T	06.1994->04.2000		250-24230	
PAJERO III								
3.5 V6 GDI	V60, V70	149	6G74(ODHC24V)		04.2000->05.2001		250-24239	250-24235
3.5 GDI	V60, V70	149	6G74-B(203)		06.2001->08.2006		250-24242	250-24235
PAJERO IV								
3.8 V6	V80, V90	184	6G75-8		02.2007->up	Left	250-24631	250-24235
	V80, V90	184	6G75-8		02.2007->up	Right	250-24631	250-24240
PAJERO PININ								
1.8	H6_W, H7_W	84	4G93-D		11.2001->06.2007			250-241031
2.0 GDI	H6_W, H7_W	95	4G94		10.2000->up		250-24270	250-24932
PAJERO SPORT								
3.0 V6	K90	130	6G72	A/T	11.1998->05.2000		250-24230	
	K90	130	6G72	M/T	11.1998->05.2000		250-24234	
	K90	125	6G72		06.2000->02.2009	Left	250-24631	250-24235
	K90	125	6G72		06.2000->02.2009	Right	250-24242	250-24239
3500V6 4WD		149			12.2008->up	Right		250-241043
RVR								
1.8 4WD	GA_W_	102	4B10		02.2010->up		250-24751	250-241056
2.0 i	GA_W_	110	4B11		06.2010->up		250-24751	250-241056
2.0 i 4WD	GA_W_	110	4B11		06.2010->up		250-24751	250-241056
SANTAMO								
2.0i		77	I4SOHC		05.1999->up		250-22066	
2.0 16V		102	I4DOHC	w/96 EEC	05.1999->up		250-24368	
		102	I4DOHC	wo/96 EEC	05.1999->up		250-24422	
SAPORO III								
2.4	E16A	91	4G64		06.1987->08.1989		250-21000	
SHOGUN								
3.5 GDI		149	6G74-B(203)		02.2000->up		250-24242	250-24235
SIGMA								
3.0 V6	F16A	130	6G72		12.1990->05.1994		250-24231	
	F16A	151	6G72		12.1990->05.1994		250-24231	
SHOGUN PINN								
1.8i 4WD 16V		84			09.2001->2005			250-241031
2.0GDI 4WD 16V		95			07.2000->2005			250-24932
SIGMA STATION WAGON								
3.0	F07W	125	6G72		01.1993->10.1994		250-24231	
SPACE GEAR								
2.0 16V	PA/B/D_V/W	83	4G63		08.1996->02.1998		250-24230	
2.4 i	PA/B/D_V/W	97	4G64		05.1995->05.2000		250-24230	
2.4 i 4x4	PA/B/D_V/W	97	4G64		05.1995->05.2000		250-24230	
SPACE RUNNER								
1.8	N1_W, N2_W	85	4G93		06.1996->08.1999		250-24229	
	N1_W, N2_W	90	4G93		10.1991->08.1994		250-22066	
	N1_W, N2_W	90	4G93		09.1994->08.1999		250-24229	
1.8 4x4	N1_W, N2_W	85	4G93		06.1996->08.1999		250-24229	
	N1_W, N2_W	90	4G93		10.1991->08.1994		250-22066	
	N1_W, N2_W	90	4G93		09.1994->08.1999		250-24229	
2.0	N6_W	100	4G63		08.1999->08.2002		250-241028	
2.0i	N50	100	4G63		05.2000->12.2002		250-24885	250-24886
2.0i GLX	N50	100	4G63-MPI		05.2000->12.2002		250-24885	250-24886
2.4 GDI	N6_W	110	4G64		08.1999->08.2002		250-241028	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
mitsubishi (cont'd)								
SPACE RUNNER (cont'd)								
2.4 GDI	N50	110	4G64-414		05.2000->12.2002		250-24885	250-24886
SPACE STAR								
1.3	DG0	61	4G13		12.1998->05.2000		250-24231	
1.3 16V	DG0	61	4G13		03.1999->05.2000		250-24633	250-24020
	DG0	60	4G13		09.2000->03.2001		250-24233	250-24980
	DG0	63	4G13		06.2000->01.2004		250-24233	250-24980
1.6 16V	DG0	72	4G18		12.2001->04.2002		250-24233	250-24980
1.8 MPI	DG_A	82	4G93		10.2002->12.2004			250-24980
1.8 GDI	DG0	87	4G93H		10.1998->05.2000		250-24230	
	DG0	90	4G93		10.1998->05.2000		250-24230	
	DG0	90	4G93		09.2002->01.2004		250-24233	250-24980
SPACE WAGON								
1.8	N3_W, N4_W	90	4G93		10.1991->10.1998		250-22066	
1.8 4x4	N3_W, N4_W	90	4G93		10.1991->05.1992		250-22066	
2.0	N3_W, N4_W	98	4G63		10.1992->10.1998		250-24228	250-24224
2.0 4x4	N3_W, N4_W	98	4G63		10.1992->10.1998		250-24229	
2.4 GDi	N5_W	97	4G64-2		06.2000->04.2002		250-24885	250-24886
	N5_W	108	4G64-481		06.2000->04.2002		250-24885	250-24886
	N5_W	110	4G64-412		06.2000->01.2004		250-24885	250-24886
2.4 GDI 4x4	N5_W	110	4G64(GDI)		10.1998->05.2000			250-24886
2.0 GLX	DO_V/W	62	G63B		06.1986->05.1988		250-21007	
2.0 GLX 4x4	DO_V/W	62	G63B		06.1986->05.1988		250-21005	
2.0 GLXi	DO_V/W	74	4G63		06.1988->04.1991		250-21007	
2.0 GLXi 4x4	DO_V/W	74	4G63,G63B0		06.1988->04.1991		250-21007	
2.0i GLX	N5_W	100	4G63-MPI		06.2000->01.2004		250-24885	250-24886
2.4 GDI	N5_W	110	4G64(GDI)		10.1998->05.2000		250-241028	250-24886
STARION								
2.6 Turbo Eci	A18_A	114	G54BT,C		09.1987->03.1990		250-21000	
NISSAN								
100 NX								
1.6	B13	66	GA16DS		10.1990->10.1992		250-21013	
1.6 SR	B13	75	GA16DE		09.1993->10.1994		250-23089	
2.0 GTI	B13	105	SR20DE		03.1991->10.1994		250-23143	
200 SX								
1.8 Turbo	S13	124	CA18DET		09.1988->11.1993		250-23089	
2.0i 16V Turbo	S14	147	SR20DET		04.1994->07.1996		250-23089	
300 ZX								
3.0 Twin Turbo	Z32	197	VG30DETT		09.1994->09.1995	Left	250-23087	
	Z32	197	VG30DETT		09.1994->09.1995	Right	250-23087	
	Z32	208	VG30DETT		09.1994->09.1995	Left	250-23087	
	Z32	208	VG30DETT		09.1994->09.1995	Right	250-23087	
350 Z								
3.5	Z33	206	VQ35DE		07.2003->up	Left	250-25005	250-24448
	Z33	206	VQ35DE		07.2003->up	Right	250-25005	250-24403
350 Z ROADSTER								
3.5		206	VQ35DE		03.2005->up	Left	250-25005	250-24448
		206	VQ35DE		03.2005->up	Right	250-25005	250-24403
370 Z ROADSTER								
3.7	Z34	243	VQ37VHR		01.2010->up	Left	250-54035	
	Z34	243	VQ37VHR		01.2010->up	Right	250-54035	
ALMERA I								
1.4	N15	64	GA14DE		09.1995->04.2000		250-23089	
1.4 GX,LX	N15	55	GA14DE		09.1995->04.2000		250-23089	
1.6	N15	73	GA16DE		09.1995->04.2000		250-23089	
1.6 SLX	N15	66	GA16DE		09.1995->04.2000		250-23089	
ALMERA I HATCHBACK								
1.4	N15	64	GA14DE		09.1995->03.2000		250-23089	
1.4 S,GX,LX	N15	55	GA14DE		09.1995->03.2000		250-23089	
1.6	N15	73	GA16DE		09.1995->03.2000		250-23089	
1.6 SR,SLX	N15	66	GA16DE		09.1995->03.2000		250-23089	
ALMERA II								
1.5	N16	66	QG15DE		03.2001->08.2002		250-23159	250-24985
	N16	66	QG15DE		08.2002->01.2003		250-24453	250-24448
	N16	72	QG15DE		02.2003->11.2006		250-24450	250-24448



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
NISSAN (cont'd)								
ALMERA II (cont'd)								
1.8	N16	84	QG18DE		03.2001->08.2002		250-23159	250-24985
	N16	84	QG18DE		08.2002->01.2003		250-24453	250-24448
	N16	85	QG18DE		02.2003->04.2006		250-24453	250-24448
	N16	85	QG18DE		04.2006->11.2006		250-24450	250-24448
ALMERA II HATCHBACK								
1.5	N16	66	QG15DE		03.2000->10.2000		250-23121	250-24434
	N16	66	QG15DE		10.2000->08.2002		250-23159	250-24985
	N16	66	QG15DE		08.2002->01.2003		250-24453	250-24448
	N16	72	QG15DE		02.2003->04.2006		250-24453	250-24448
	N16	72	QG15DE		04.2006->11.2006		250-24450	250-24448
1.8	N16	84	QG18DE		01.2000->10.2000		250-23121	250-24434
	N16	84	QG18DE		10.2000->08.2002		250-23159	250-24985
	N16	84	QG18DE		08.2002->01.2003		250-24453	250-24448
	N16	85	QG18DE		02.2003->04.2006		250-24453	250-24448
	N16	85	QG18DE		04.2006->11.2006		250-24450	250-24448
ALMERA TINO								
1.8	V10	84	QG18DE		08.2000->10.2000		250-23121	250-24434
	V10	84	QG18DE		10.2000->01.2003		250-23159	250-24985
1.8	V10	85	QG18DE		02.2003->06.2003		250-24453	250-24181
	V10	85	QG18DE		06.2003->11.2005		250-24453	250-24448
2.0	V10	100	SR20DE		09.2000->01.2003		250-23159	250-24437
2.0i CVT	V10	92	SR20DE		08.2000->09.2000		250-23121	250-24434
BLUEBIRD								
1.8 Turbo	U11	99	CA18T		04.1984->01.1986		250-21000	
1.8i 16V	T72, T12	95	CA18D		02.1989->12.1990		250-21013	
2.0	T72, T12	75	CA20S		12.1985->12.1987		250-21013	
2.0i	T72, T12	77,85	CA20E		12.1985->12.1990		250-21013	
BLUEBIRD HATCHBACK								
1.8i 16V	T72, T12	95	CA18D		02.1989->12.1990		250-21013	
2.0i	T72, T12	77,85	CA20E		12.1985->12.1990		250-21013	
BLUEBIRD STATION WAGON								
2.0i	WU11	77	CA20E		04.1986->12.1990		250-21013	
KUBISTAR								
1.2	X76	44	D7F764		08.2003->01.2006		250-24568	250-24568
1.4		55	K7J.7.00		09.2003->01.2004			250-24975
KUBISTAR BOX								
1.2 16V		55	D4F-712		09.2003->up		250-241011	250-241011
1.4E		55	55		09.2003->01.2004			250-24975
MAXIMA								
3.0i	J30	125	VG30E	3 Wire Sensor	12.1988->06.1994		250-23509	
	J30	125	VG30E	4 Wire Sensor	12.1988->10.1991		250-24505	
MAXIMA QX								
2.0	A32	103	VQ20DE		02.1995->12.1999	Left	250-23104	
	A32	103	VQ20DE		02.1995->12.1999	Right	250-23104	
2.0 V6 24V	A33	103	VQ20DE		03.2000->01.2006	Left	250-23121	250-24284
	A33	103	VQ20DE		03.2000->01.2006	Right	250-23133	250-24286
3.0	A32	142	VQ30DE		01.1995->12.1999	Left	250-23104	
	A32	142	VQ30DE		01.1995->12.1999	Right	250-23104	
3.0 V6 24V	A33	147	VQ30DE		03.2000->01.2006	Left	250-23121	250-24284
	A33	147	VQ30DE		03.2000->01.2006	Right	250-23133	250-24286
MAXIMA STATION WAGON								
2.0 QX		103	VQ20DE		10.1997->01.2000		250-23139	
3.0 QX		142	VQ30DE		10.1997->01.2000		250-23139	
MICRA								
1.0	K10	37,40	MA10S		12.1982->12.1989		250-21013	
1.0 16V	K12	48	CG10DE		01.2003->09.2004		250-24453	250-24437
1.0i 16V	K11	40	CG10DE		08.1992->06.2000		250-23089	
1.2	K10	40	MA12S		07.1987->07.1992		250-21013	
	K10	44	MA12S		07.1986->07.1987		250-21013	
	K10	44	MA12S	A/T	07.1987->07.1992		250-21011	
	K10	44	MA12S	M/T	07.1987->07.1992		250-21013	
1.2 16V	K12	48,59	CG12DE		01.2003->09.2004		250-24453	250-24437
	K12	48,59	CR12DE		06.2005->up		250-24453	250-24437
1.3i 16V	K11	55	CG13DE		08.1992->06.2000		250-23089	
1.4 16V	K12	65	CGA3DE		01.2003->09.2004		250-24453	250-24437
	K12	65	CR14DE		06.2005->up		250-24453	250-24437
160 SR	K12	81	HR16DE		06.2005->up		250-24771	250-24741



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
NISSAN (cont'd)								
MICRA C+C								
1.4 16V	K12	65	CR14DE		08.2005->up		250-24771	250-24453
1.6 160 SR	K12	81	HR16DE		08.2005->up		250-24771	250-24741
MICRA II								
1.0i	K11	40,44	CG10DE		11.2000->12.2002			250-24182
1.0i 16V	K11	44,60	CG10DE		09.2000->11.2000		250-24877	250-24877
	K11	44,60	CG10DE		11.2000->12.2002		250-24182	250-24182
1.4i	K11	60	CGA3		11.2000->12.2002			250-24182
1.4i 16V	K11	60	CGA3		11.2000->12.2002			250-24182
MICRA III								
1.0 16V	K12	48	CG10DE		10.2004->05.2005		250-24452	
1.2 16V	K12	48,59	CG12DE		10.2004->05.2005		250-24452	
	K12	48,59	CR12DE		06.2005->up		250-24771	
1.4 16V	K12	65	CGA3DE		10.2004->05.2005		250-24452	
	K12	65	CR14DE		06.2005->up		250-24771	
160 SR	K12	81	HR16DE		06.2005->up		250-24771	
MURANO								
3.5 4x4	Z50	172	VQ35DE		03.2005->up	Left	250-25005	250-24448
	Z50	172	VQ35DE		03.2005->up	Right	250-25005	250-24448
NOTE								
1.4	E11	65	CR14DE		03.2006->up		250-24771	250-24453
1.6	E11	81	HR16DE		03.2006->up		250-24771	250-24741
PATHFINDER								
3.3 V6 4WD	R50	110	VG33E		03.1998->07.2000	Left	250-23109	250-24101
	R50	110	VG33E		03.1998->07.2000	Right	250-23089	250-24102
	R50	125	VG33E		09.1997->07.2000	Left	250-23109	250-24101
	R50	125	VG33E		09.1997->07.2000	Right	250-23089	250-24102
4.0 4WD	R51	198	VQ40DE		09.2005->09.2006	Left	250-25005	250-24403
	R51	198	VQ40DE		09.2005->09.2006	Right	250-25005	250-24951
PATROL GR I								
4.2 CAT	Y60	121	TB42E		11.1988->06.1997		250-21013	
4.8	Y61	180		Fr.Con. 10.2002, To Con. 07.2004, A/T	03.2000->up	Right	250-24865	
PICK UP								
2.4i 12V	D21	91	KA24E		04.1992->05.1994		250-21013	
2.4i 12V 4WD	D21	93	KA24E		04.1992->05.1994		250-21013	
2.4i 4WD	D21	74	Z24i		08.1988->04.1992		250-21000	
	D22	88	KA24E		2.1998->11.2001		250-23166	
PRAIRIE PRO								
2.0i	M11	72	CA20E		10.1988->04.1992		250-21013	
2.0i 4x4	M11	72	CA20E		10.1988->03.1992		250-21013	
2.4i	M11	98	KA24E		04.1992->07.1994		250-21013	
2.4i 4x4	M11	98	KA24E		04.1992->07.1994		250-21013	
PRIMERA								
1.6	P10	66,71	GA16D		06.1990->01.1996		250-21000	
	P10	75	GA16DE		06.1993->01.1996		250-23089	
	P12	78,80	QG16DE		03.2002->04.2006		250-24453	250-24448
	P12	78,80	QG16DE		04.2006->up		250-24450	250-24448
1.6 16V	P11	66,73	GA16DE		09.1996->12.2001		250-23089	
1.8	P12	85	QG18DE		03.2002->04.2006		250-24453	250-24181
	P12	85	QG18DE		04.2006->up		250-24450	250-24448
1.8 16V	P11	84	QG18DE		08.1999->09.2000		250-23121	250-24186
	P11	84	QG18DE		09.2000->12.2001		250-23159	250-24985
	P12	84	QG18DE		04.2006->up		250-24450	250-24448
2.0	P12	103	QR20DE		03.2002->01.2006		250-24452	250-24403
2.0 16V	P10	85	SR20DI		06.1990->01.1996		250-23143	
	P11	85	SR20DE	A/T	09.1996->10.1997		250-23075	250-24186
	P11	85	SR20DE	M/T	09.1996->10.1997		250-23089	
	P11	96	SR20DE		09.1996->06.1999		250-23075	250-24186
	P11	96	SR20DE		09.2001->12.2001		250-23159	250-24985
	P11	103	SR20DE		10.2000->03.2001		250-23159	250-24985
	P11	110	SR20DE		09.1996->06.1999		250-23075	250-24186
	P11	110	SR20DE		10.2000->12.2001		250-23159	250-24985
2.0 GT	P10	110	SR20DE		06.1990->01.1996		250-23143	
2.0i	P10	92	SR20DE		05.1995->06.1996		250-23087	
	P11	92	SR20DE		06.1999->10.2000		250-23121	
	P11	110	SR20DE		04.1996->01.1998		250-23075	
2.0i 16V	P11	110	SR20DE		06.1999->10.2000		250-23121	
	P11	92	SR20DE		06.1999->10.2000		250-23121	
2.0i CVT	P11	92	SR20DE		06.1999->10.2000		250-23121	
2.0i MCVT	P11	92	SR20DE		06.1999->10.2000		250-23121	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
NISSAN (cont'd)								
PRIMERA HATCHBACK								
1.6	P10	66	GA16DS		06.1990->04.1993		250-21000	
	P10	71	GA16DE		05.1993->06.1993		250-23089	
	P10	75	GA16DE		06.1993->01.1996		250-23089	
	P12	78	QG16DE		07.2002->04.2006		250-24453	250-24448
	P12	78	QG16DE		04.2006->up		250-24450	250-24448
1.6 16V	P11	66,73	GA16DE		09.1996->07.2002		250-23089	
1.6i 16V	P12	80	QG16DE		04.2006->up		250-24450	
1.8	P12	85	QG18DE		07.2002->04.2006		250-24453	250-24181
	P12	85	QG18DE		04.2006->up		250-24450	250-24448
1.8 16V	P11	84	QG18DE		08.1999->09.2000		250-23121	250-24186
	P11	84	QG18DE		09.2000->07.2002		250-23159	250-24985
1.8i 16v	P12	84	QG18DE		04.2006->up		250-24450	
2.0	P10	110	SR20DE		06.1990->01.1996		250-23143	
	P12	103	QR20DE		07.2002->up		250-24452	250-24403
2.0 16V	P10	85	SR20DI		06.1990->01.1996		250-23143	
	P11	85	SR20DE		09.1996->06.1999		250-23075	250-24186
	P11	85	SR20DE		10.2000->02.2002		250-23159	250-24985
	P11	96	SR20DE		09.1996->06.1999		250-23075	250-24186
	P11	96	SR20DE		10.2000->02.2002		250-23159	250-24985
	P11	103	SR20DE		08.1999->09.2000		250-23159	250-24186
	P11	103	SR20DE		09.2001->02.2002		250-23159	250-24985
2.0 16V	P11	110	SR20DE		09.1996->06.1999		250-23075	250-24186
	P11	110	SR20DE		06.1999->09.2000		250-23159	250-24186
	P11	110	SR20DE		09.2001->02.2002		250-23159	250-24985
2.0i	P10	92	SR20DE		05.1995->06.1996		250-23087	
	P11	92	SR20DE		06.1999->10.2000		250-23121	
2.0i 16V	P11	92	SR20DE		06.1999->10.2000		250-23121	
	P11	110	SR20DE		06.1999->10.2000		250-23121	
2.0i CVT	P11	92	SR20DE		06.1999->10.2000		250-23121	
2.0i MCVT	P11	92	SR20DE		06.1999->10.2000		250-23121	
PRIMERA TRAVELLER								
1.6 16V	WP11	66,73	GA16DE		04.1998->12.2001		250-23089	
1.6i	W10	66	GA16DS		07.1990->04.1993		250-21013	
	W10	75	GA16DE		03.1994->03.1998		250-23089	
1.8	WP12	85	QG18DE		03.2002->01.2005		250-24453	250-24181
	WP12	85	QG18DE		01.2005->up		250-24450	250-24448
	WP12	85	QG18DE		04.2006->up		250-24450	
1.8 16V	WP11	84	QG18DE		08.1999->09.2000		250-23121	250-24186
	WP11	84	QG18DE		09.2000->12.2001		250-23159	250-24985
1.8i 16v	WP12	84	QG18DE		04.2006->up		250-24450	
2.0	WP12	103	QR20DE		03.2002->up		250-24452	250-24403
2.0 16V	WP11	85	SR20DE		04.1998->06.2000		250-23075	250-24186
	WP11	85	SR20DE		09.2001->12.2001		250-23159	250-24985
	WP11	96	SR20DE		04.1998->06.1999		250-23075	250-24186
	WP11	96	SR20DE		10.2000->12.2001		250-23159	250-24985
2.0i	WP11	85,92	SR20DEF		06.1999->06.1999		250-23121	
2.0i 16V	WP11	85,92	SR20DE		06.1999->10.2000		250-23121	
2.0i CVT	WP11	85,92	SR20DEF		06.1999->10.2000		250-23121	
QASHQAI								
1.6	J10, JJ10	84	HR16DE		03.2007->up		250-24771	250-24741
2.0	J10, JJ10	103	MR20DE		02.2007->03.2007		250-24741	250-24771
2.0 Allrad	J10, JJ10	103	MR20DE		02.2007->03.2007		250-24741	250-24771
2.0 dCi	J10, JJ10	110	M9R,F		02.2007->up		800-95004	
2.0 dCi Allrad	J10, JJ10	110	M9R,F		02.2007->up		800-95004	
SERENA								
1.6 16V	C23M	71	GA16DE		02.1993->09.2001		250-23104	
2.0 16V	C23M	93	SR20DE		10.1994->06.1996		250-23104	
	C23M	93	SR20DE		06.1996->09.2001		250-23089	
SUNNY BOX								
1.6i 16V	Y10	66	GA16DS		10.1992->04.1996		250-21013	
SUNNY II								
1.4 LX	N13	55	GA14DS		10.1990->08.1991		250-21013	
1.6	N13	62	CA16D		02.1987->10.1988		250-23502	
	N13	62	E16i		08.1986->10.1988		250-23523	
1.6i 12V	N13	66	GA16i		10.1988->06.1991		250-21013	
1.6i 4x4	N13	54	E16i		08.1986->10.1988		250-23523	
SUNNY II COUPE								
1.6	B12	62	E16i		06.1986->09.1988		250-23523	
1.6 GTI 16V	B12	81	CA16D		05.1987->09.1988		250-23502	
	B12	81	E16i		05.1987->09.1988		250-23523	
1.6i	B12	54	E16i		06.1986->09.1988		250-23523	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
NISSAN (cont'd)								
SUNNY II COUPE (cont'd)								
1.6i 12V	B12	66	GA16i		10.1988->05.1990		250-21013	
1.8 GTI 16V	B12	92	CA18D		01.1989->05.1990		250-21013	
SUNNY II HATCHBACK								
1.4 LX	N13	55	GA14DS		01.1989->10.1990		250-21013	
1.6	N13	62	CA16D		02.1987->10.1988		250-23502	
	N13	62	E16i		06.1986->10.1988		250-23523	
1.6 GTI 16V	N13	81	CA16D		06.1987->10.1988		250-23502	
1.6i	N13	54	E16i		06.1986->10.1990		250-21013	
1.6i 12V	N13	66	GA16i		10.1988->10.1990		250-21013	
1.8 GTI 16V	N13	92	CA18D		01.1989->12.1990		250-21013	
SUNNY II TRAVELLER								
1.6	B12	62	E16i		06.1986->09.1988		250-23523	
1.6i 12V	B12	66	GA16i		10.1988->05.1990		250-21013	
1.6i 12V 4x4	B12	66	GA16i		10.1988->05.1990		250-21013	
1.6i 4x4	B12	54	E16i		06.1986->09.1988		250-23523	
SUNNY III								
1.4i	N14	55	GA14DS		10.1990->05.1995		250-21013	
1.4i 16V	N14	64	GA14DE		02.1992->05.1995		250-23089	
1.6i	N14	66	GA16DS		10.1990->05.1995		250-21013	
1.6i 16V	N14	75	GA16DE		10.1992->05.1995		250-23089	
1.6i 16V 4WD	N14	66	GA16DEE		10.1990->10.1992		250-23089	
	N14	66	GA16DS		10.1990->05.1995		250-21013	
SUNNY III HATCHBACK								
1.4i	N14	55	GA14DS		10.1990->05.1995		250-21013	
1.4i 16V	N14	64	GA14DE		10.1992->05.1995		250-23089	
1.6i	N14	66	GA16DE,GA16DEL		10.1990->05.1995		250-21013	
	N14	66	GA16DS		10.1990->05.1995		250-21013	
1.6i 16V	N14	75	GA16DE		10.1992->05.1995		250-21000	
1.6i 16V 4x4	N14	75	GA16DE		10.1992->05.1995		250-21000	
2.0 GTI 16V	N14	105	SR20DE		10.1990->05.1995		250-23143	
SUNNY III LIFTBACK								
1.4i	N14	55	GA14DE,GA14DS		10.1990->05.1995		250-21013	
1.4i 16V	N14	64	GA14DE		10.1992->05.1995		250-21000	
1.6i	N14	66	GA14DS,GA16DS		10.1990->05.1995		250-21013	
1.6i 16V	N14	75	GA16DE		10.1992->05.1995		250-21000	
2.0i 16V	N14	105	SR20DE		10.1990->05.1995		250-23143	
SUNNY III TRAVELLER								
1.6 16V 4x4	Y10	66	GA16DS		11.1990->10.1992		250-23089	
1.6i	Y10	66	GA16DS		06.1991->03.2000		250-21013	
1.6i 16V 4x4	Y10	75	GA16DE		10.1992->04.1996		250-23089	
SUNNY BOX								
1.6i	Y10	66	GA16DS		10.1992->04.1996			
TERRANO I								
2.4i 4WD	WD21	76	Z24i		10.1987->02.1993		250-21013	
3.0i 4WD	WD21	109	VG30E		01.1990->05.1994		250-23503	
	WD21	109	VG30E		05.1994->10.1995		250-23093	
TERRANO II								
2.4 4WD	R20	85	KA24E		To->05.1996		250-23089	
	R20	85	KA24E		05.1996->01.2002		250-23152	
	R20	85	KA24E	Hard Top	05.1996->01.2002		250-23087	
	R20	87	KA24E		To->05.1996		250-23089	
	R20	87	KA24E		05.1996->01.2002		250-23152	
	R20	87	KA24E	Hard Top	05.1996->01.2002		250-23087	
2.4i 12V 4WD	R20	91	KA24E		02.1993->05.1996		250-23089	
	R20	91	KA24E		05.1996->06.1996		250-23152	
	R20	91	KA24E	Hard Top	03.1993->06.1996		250-23087	
URVAN BUS								
2.4i	E24	74	Z24i		05.1989->09.1993		250-21013	
VANETTE BUS								
2.4i	C22	74,77	Z24i		10.1986->03.1993		250-21013	
VANETTE CARGO BOX								
1.6i	HC 23	71,72	GA16DE		01.1995->11.2001		250-23104	
X-TRAIL								
2.0	T31	104	MR20DE		06.2007->up		250-24741	250-24771
2.0 4x4	T30	103	QR20DE		07.2001->03.2007		250-24452	250-24403
2.0 FWD	T31	104	MR20DE		03.2007->up		250-24741	250-24771
2.0 dCi	T31	110	M9R,F		06.2007->up		800-95004	
	T31	127	M9R,F		06.2007->up		800-95004	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
NISSAN (cont'd)								
X-TRAIL (cont'd)								
2.5	T31	124	QR25DE		06.2007->up		250-54037	250-24741
2.5 4x4	T30	121	QR25DE		09.2003->03.2007		250-24452	250-24403
OPEL								
AGILA								
1.0	H00	44	Z10XEP	To. Ch. No. 5G9999999	08.2003->12.2005		250-24648	250-24612
	H00	44	Z10XEP	Fr. Ch. No. 6G000001	01.2006->12.2007		250-24612	250-24612
1.0 12V	H00	43	Z10XE		09.2000->07.2003		250-24648	250-24612
1.2 16V	H00	55	Z12XE		09.2000->08.2004		250-24682	250-24612
1.2 16V Twinport	H00	59	Z12XEP		09.2004->12.2007		250-24648	250-24648
ANTARA								
2.4i		103	Z24XE		10.2006->up		250-24628	
2.4i 16V		103	Z24XE		12.2008->up		250-24628	
ASCONA C / ASCONA C CC								
1.6i	81_ 86_	55	E16NZ		09.1987->08.1988		250-21001	
	87_ 88_	55	E16NZ		09.1987->08.1988		250-21001	
1.6i CAT	81_ 86_	55	C16NZ,C16LZ		09.1986->08.1988		250-21001	
	87_ 88_	55	C16NZ,C16LZ		09.1986->08.1988		250-21001	
1.8 E	81_ 86_	74	C18NE		01.1985->08.1986		250-23138	
	87_ 88_	74	C18NE		01.1985->08.1986		250-23138	
2.0i	81_ 86_	85	20NE		09.1986->08.1988		250-23138	
	87_ 88_	85	20NE		09.1986->08.1988		250-23138	
2.0i CAT	84_ 89_	85	C20NE		09.1986->08.1988		250-23138	
ASTRA F								
1.4	56_ 57_	60	C14SE		09.1992->03.1996		250-21001	
1.4i	56_ 57_	44	C14NZ		09.1991->01.1998		250-21001	
1.4i 16V	56_ 57_	66	X14XE		02.1996->01.1998		250-21001	
1.4 Si	56_ 57_	60	C14SE		03.1992->03.1996		250-21001	
1.6i	56_ 57_	52	X16SZ,X16SZR		03.1992->01.1998		250-21001	
	56_ 57_	55	C16NZ		03.1992->08.1994		250-21001	
1.6i 16V	56_ 57_	74	X16XEL	To Ch.No.S2531218,S5223656	08.1994->12.1995		250-21038	
	56_ 57_	74	X16XEL	Fr.Ch.No.S5223657,S2531219	01.1995->01.1998		250-21001	
1.6 Si	56_ 57_	74	C16SE		05.1992->12.1994		250-21001	
1.8i	56_ 57_	66	C18NZ		03.1992->08.1994		250-21001	
1.8i 16V	56_ 57_	85	C18XEL,X18XE	To Ch.No.T2500014,T5000073,T8100001	11.1994->12.1996		250-24803	
	56_ 57_	85	C18XEL,X18XE	Fr.Ch.No.T2500015,T5000074,T8100001	12.1996->01.1998		250-24806	
	56_ 57_	92	C18XE	To Ch.No.T2500014,T5000073,T8100001	07.1993->10.1994		250-24803	
	56_ 57_	92	C18XE	Fr.Ch.No.T2500015,T5000074,T8100001	06.1993->10.1994		250-24806	
2.0i	56_ 57_	85	C20NE		03.1992->01.1998		250-23146	
2.0i 16V	56_ 57_	100	X20XEV	To Ch.No.T2500014,T5000073,T8100001	02.1995->12.1996		250-24803	
	56_ 57_	100	X20XEV	Fr.Ch.No.T2500015,T5000074,T8100001	01.1996->01.1998		250-24806	
ASTRA F CABRIOLET								
1.4i 16V	53_B	66	X14XE		03.1996->02.2001		250-21001	
1.4 Si	53_B	60	C14SE		06.1993->02.2001		250-21001	
1.6i	53_B	52	X16XEL	To Ch.No.S2531218,S5223656	06.1994->12.1995		250-21038	
	53_B	52	X16SZ,X16XEL	Fr.Ch.No.S2531219,S5223657	06.1993->08.1996		250-21001	
	53_B	55	X16SZR		01.1996->02.2001		250-21001	
1.8i 16V	53_B	85	C18XE,X18XE	To Ch.No.T2500014,T5000073,T8100001	11.1994->02.2001		250-24803	
	53_B	85	C18XE,X18XE	Fr.Ch.No.T2500015,T5000074,T8100001	01.1996->02.2001		250-24806	
2.0i	53_B	85	C20NE		06.1993->10.1994		250-23146	
ASTRA F CARAVAN								
1.4	51_ 52_	60	14SE		09.1992->01.1998		250-21001	
1.4i	51_ 52_	44	C14NZ		09.1991->01.1998		250-21001	
1.4i 16V	51_ 52_	66	X14XE		02.1996->01.1998		250-21001	
1.4 Si	51_ 52_	60	C14SE		03.1992->01.1998		250-21001	
1.6	51_ 52_	55	16NZR,16LZ2		09.1995->01.1998		250-21001	
1.6i	51_ 52_	52,55	X16SZ,C16NZ		09.1991->01.1998		250-21001	
1.6i 16V	51_ 52_	74	X16XEL	To Ch.No.S2531218,S5223656	09.1995->01.1998		250-21038	
	51_ 52_	74	X16XEL	Fr.Ch.No.S2531219,S5223657	01.1995->01.1998		250-21001	
1.6 Si	51_ 52_	74	C16SE		03.1992->12.1994		250-21001	
1.8i	51_ 52_	66	C18NZ		09.1991->08.1994		250-21001	
1.8i 16V	51_ 52_	85	C18XEL		08.1994->01.1998		250-24803	
	51_ 52_	92	C18XE	To Ch.No.T2500014,T5000073,T8100001	07.1993->12.1996		250-24803	
	51_ 52_	92	C18XE	Fr.Ch.No.T2500015,T5000074,T8100001	01.1996->01.1998		250-24806	
2.0 i	51_ 52_	85	C20NE		09.1991->07.1994		250-23146	
2.0 i 16V	51_ 52_	100	X20XEV	To Ch.No.T2500014,T5000073,T8100001	02.1995->12.1996		250-24803	
	51_ 52_	100	X20XEV	Fr.Ch.No.T2500015,T5000074,T8100001	12.1996->01.1998		250-24806	
	51_ 52_	110	C20XE		07.1994->01.1998		250-23146	
ASTRA F CC								
1.4	53_ 54_	60	14SE		09.1992->01.1998		250-21001	
	58_ 59_	60	14SE		09.1992->01.1998		250-21001	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
ASTRA F CC (cont'd)								
1.4i	53_ 54_	44	C14NZ		03.1992->01.1998		250-21001	
	58_ 59_	44	C14NZ		03.1992->01.1998		250-21001	
1.4i 16V	53_ 54_	66	X14XE		01.1996->01.1998		250-21001	
	58_ 59_	66	X14XE		01.1996->01.1998		250-21001	
1.4 Si	53_ 54_	60	C14SE		03.1992->09.1996		250-21001	
	58_ 59_	60	C14SE		03.1992->09.1996		250-21001	
1.6	53_ 54_	55	16NZR,16LZ2		09.1997->01.1998		250-21001	
	58_ 59_	55	16NZR,16LZ2		09.1997->01.1998		250-21001	
1.6i	53_ 54_	55	C16NZ,X16SZ		09.1991->01.1998		250-21001	
	58_ 59_	55	C16NZ,X16SZ		09.1991->01.1998		250-21001	
1.6i 16V	53_ 54_	74	X16XEL	To Ch.No.S2531218,S5223656	08.1994->12.1995		250-21038	
	58_ 59_	74	X16XEL	To Ch.No.S2531218,S5223656	08.1994->12.1995		250-21038	
	53_ 54_	74	X16XEL	Fr.Ch.No.S5223657,S2531219	01.1995->01.1998		250-21001	
	58_ 59_	74	X16XEL	Fr.Ch.No.S5223657,S2531219	01.1995->01.1998		250-21001	
1.6 Si	53_ 54_	74	C16SE		03.1992->12.1994		250-21001	
	58_ 59_	74	C16SE		03.1992->12.1994		250-21001	
1.8i	53_ 54_	66	C18NZ		09.1991->08.1994		250-21001	
	58_ 59_	66	C18NZ		09.1991->08.1994		250-21001	
1.8i 16V	53_ 54_	85,92	C18XEL,X18XE	To Ch.No.T2500014,T5000073,T8100001	09.1994->01.1998		250-24803	
	58_ 59_	85,92	C18XEL,X18XE	To Ch.No.T2500014,T5000073,T8100001	09.1994->01.1998		250-24803	
	53_ 54_	85,92	C18XEL,X18XE	Fr.Ch.No.T2500015,T5000074,T8100001	01.1996->01.1998		250-24806	
	58_ 59_	85,92	C18XEL,X18XE	Fr.Ch.No.T2500015,T5000074,T8100001	01.1996->01.1998		250-24806	
2.0 GSI 16V	53_ 54_	110	C20XE		07.1994->01.1998		250-23146	
	58_ 59_	110	C20XE		07.1994->01.1998		250-23146	
2.0i	53_ 54_	85	C20NE		09.1991->01.1998		250-23146	
	58_ 59_	85	C20NE		09.1991->01.1998		250-23146	
2.0i 16V	53_ 54_	100	X20XEV		01.1996->01.1998		250-24806	
	58_ 59_	100	X20XEV		01.1996->01.1998		250-24806	
	53_ 54_	100	X20XEV		02.1995->12.1996		250-24803	
	58_ 59_	100	X20XEV		02.1995->12.1996		250-24803	
ASTRA F CLASSIC CARAVAN								
1.4i		44	X14NZ		01.1998->01.2005		250-21001	
1.6i		55	X16SZR		09.1998->12.2002		250-21001	
1.6i 16V		74	X16XEL		09.1998->12.2002		250-21001	
ASTRA F CLASSIC CC								
1.4i		44	X14NZ		01.1998->01.1998		250-21001	
1.6i		55	X16SZR		02.1998->08.2002		250-21001	
1.6i 16V		74	X16XEL		09.1998->08.2002		250-21001	
ASTRA F CLASSIC SALOON								
1.4i		44	X14NZ		01.1998->01.1998		250-21001	
1.6i		55	X16SZR		09.1998->08.2002		250-21001	
1.6i 16V		74	X16XEL		01.1998->08.2000		250-21001	
ASTRA F VAN								
1.4i	55_	44	C14NZ		10.1991->01.1998		250-21001	
1.6i	55_	52,55	X16SZ,C16NZ		10.1991->07.1996		250-21001	
1.6	F70	55	X16SZR		01.1999->09.2000		250-21001	
	F70	62	Z16SE		09.2000->02.2001		250-241030	250-24400
ASTRA G CABRIOLET								
1.6		76	Z16XEP		01.2003->10.2005		250-24735	250-24648
1.6 16V		74	Z16XE	To Ch.No.12999999,15999999	03.2001->10.2005		250-24590	250-24591
		74	Z16XE	To Ch.No.16999999,18999999	03.2001->10.2005		250-24590	250-24591
		74	Z16XE	Fr. Ch. No. 22000001, 25000001	03.2001->10.2005		250-24590	250-24592
		74	Z16XE	Fr. Ch. No. 26000001, 28000001	03.2001->10.2005		250-24590	250-24592
1.8 16V		92	Z18XE		03.2001->10.2005		250-24733	250-24400
2.0 16V Turbo		147	Z20LER		11.2002->08.2005		250-24648	
2.0 OPC		141	Z20LET		03.2002->10.2002		250-24648	250-24738
2.2 16V		108	Z22SE		03.2001->10.2005		250-24706	250-24731
ASTRA G CARAVAN								
1.2 16V	F35_	48	X12XE		02.1998->09.2000		250-241024	
	F35_	55	Z12XE		09.2000->02.2004		250-24648	250-24612
1.4 16V	F35_	66	X14XE	To Ch. No. 12999999, 15999999	06.1998->12.2001		250-24788	250-24591
	F35_	66	X14XE	To Ch. No. 16999999, 18999999	06.1998->12.2001		250-24788	250-24591
	F35_	66	X14XE	Fr. Ch. No. 22000001, 25000001	01.2002->02.2004		250-24592	250-24592
	F35_	66	X14XE	Fr. Ch. No. 26000001, 28000001	01.2002->02.2004		250-24592	250-24592
	F35_	66	Z14XE	To Ch. No. 12999999, 15999999	06.1998->02.2004		250-24590	250-24591
	F35_	66	Z14XE	To Ch. No. 16999999, 18999999	06.1998->02.2004		250-24590	250-24591
	F35_	66	Z14XE	Fr. Ch. No. 22000001, 25000001	01.2002->02.2004		250-24592	250-24592
	F35_	66	Z14XE	Fr. Ch. No. 26000001, 28000001	01.2002->02.2004		250-24592	250-24592
1.4i 16V	F35_	66	X14XE	To Ch. No. 12999999, 15999999	02.1998->12.2001		250-24788	250-24591
	F35_	66	X14XE	To Ch. No. 16999999, 18999999	02.1998->12.2001		250-24788	250-24591
1.6	F35_	55	X16SZR		02.1998->09.2000		250-21001	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
ASTRA G CARAVAN (cont'd)								
1.6	F35_	62	Z16SE	To Ch. No. 12999999, 15999999	09.2000->02.2004		250-241030	250-24400
	F35_	62	Z16SE	To Ch. No. 16999999, 18999999	09.2000->02.2004		250-241030	250-24400
	F35_	62	Z16SE	Fr. Ch. No. 22000001, 25000001	09.2000->02.2004		250-241030	250-24592
	F35_	62	Z16SE	Fr. Ch. No. 26000001, 28000001	09.2000->02.2004		250-241030	250-24592
1.6 16V	F35_	74	X16XEL	To Ch. No. 12999999, 15999999	02.1998->12.2001		250-24788	250-24591
	F35_	74	X16XEL	To Ch. No. 16999999, 18999999	02.1998->12.2001		250-24788	250-24591
	F35_	74	X16XEL	Fr. Ch. No. 22000001, 25000001	01.2002->02.2004		250-24592	250-24592
	F35_	74	X16XEL	Fr. Ch. No. 26000001, 28000001	01.2002->02.2004		250-24592	250-24592
	F35_	74	Z16XE	To Ch. No. 12999999, 15999999	02.1998->02.2004		250-24590	250-24591
	F35_	74	Z16XE	To Ch. No. 16999999, 18999999	02.1998->02.2004		250-24590	250-24591
	F35_	74	Z16XE	Fr. Ch. No. 22000001, 25000001	02.1998->02.2004		250-24590	250-24592
	F35_	74	Z16XE	Fr. Ch. No. 26000001, 28000001	02.1998->02.2004		250-24590	250-24592
1.6 CNG	F35_	71	Z16YNG		03.2003->02.2004		250-24590	250-24592
1.8 16V	F35_	85	X18XE1		02.1998->09.2000		250-24803	
	F35_	92	Z18XE		09.2000->02.2004		250-24733	250-24400
2.0 16V	F35_	100	X20XEV		02.1998->12.1999		250-24806	
2.0 OPC	F35_	141	Z20LET		09.2002->02.2004		250-24648	250-24738
	F35_	147	Z20LER		11.2002->06.2004		250-24648	250-24738
2.2 16V	F35_	108	Z22SE		03.2001->02.2004		250-24706	250-24731
ASTRA G CC								
1.2 16V	F48_ F08_	48	X12XE		02.1998->09.2000		250-241024	
	F48_ F08_	55	Z12XE		09.2000->01.2005		250-24648	250-24612
1.4 16V	F48_ F08_	66	X14XE	To Ch. No. 12999999, 15999999	02.1998->12.2001		250-24788	250-24591
	F48_ F08_	66	X14XE	To Ch. No. 16999999, 18999999	02.1998->12.2001		250-24788	250-24591
	F48_ F08_	66	X14XE	Fr. Ch. No. 22000001, 25000001	01.2002->02.2004		250-24592	250-24592
	F48_ F08_	66	X14XE	Fr. Ch. No. 26000001, 28000001	01.2002->02.2004		250-24592	250-24592
	F48_ F08_	66	Z14XE	To Ch. No. 12999999, 15999999	02.1998->01.2002		250-24590	250-24591
	F48_ F08_	66	Z14XE	To Ch. No. 16999999, 18999999	02.1998->01.2002		250-24590	250-24591
	F48_ F08_	66	Z14XE	Fr. Ch. No. 22000001, 25000001	01.2002->02.2004		250-24592	250-24592
	F48_ F08_	66	Z14XE	Fr. Ch. No. 26000001, 28000001	01.2002->02.2004		250-24592	250-24592
1.6	F48_ F08_	55	X16SZR		02.1998->09.2000		250-21001	
	F48_ F08_	62	Z16SE	To Ch. No. 12999999, 15999999	09.2000->12.2001		250-241030	250-24400
	F48_ F08_	62	Z16SE	To Ch. No. 16999999, 18999999	09.2000->12.2001		250-241030	250-24592
	F48_ F08_	62	Z16SE	Fr. Ch. No. 22000001, 25000001	01.2002->01.2005		250-241030	250-24592
	F48_ F08_	62	Z16SE	Fr. Ch. No. 26000001, 28000001	01.2002->01.2005		250-241030	250-24592
1.6 16V	F48_ F08_	74	X16XEL	To Ch. No. 12999999, 15999999	02.1998->12.2001		250-24788	250-24591
	F48_ F08_	74	X16XEL	To Ch. No. 16999999, 18999999	02.1998->12.2001		250-24788	250-24591
	F48_ F08_	74	X16XEL	Fr. Ch. No. 22000001, 25000001	01.2002->02.2004		250-24592	250-24592
	F48_ F08_	74	X16XEL	Fr. Ch. No. 26000001, 28000001	01.2002->02.2004		250-24592	250-24592
1.8 16V	F48_ F08_	85	X18XE1		02.1998->09.2000		250-24803	
	F48_ F08_	92	Z18XE		09.2000->02.2004		250-24733	250-24400
2.0 16V	F48_ F08_	100	X20XEV		02.1998->12.1999		250-24806	
2.0 16V OPC	F48_ F08_	118	X20XER		11.1999->09.2002		250-24803	
2.0 OPC	F48_ F08_	141	Z20LET		09.2002->02.2004		250-24648	250-24738
	F48_ F08_	147	Z20LET,Z20LER		11.2002->01.2004		250-24648	
2.2 16V	F48_ F08_	108	Z22SE		03.2001->02.2004		250-24706	250-24731
ASTRA G COUPE								
1.6 16V	F07_	76	Z16XE	To Ch. No. 12999999, 15999999	03.2000->12.2001		250-24590	250-24591
	F07_	76	Z16XE	To Ch. No. 16999999, 18999999	03.2000->12.2001		250-24590	250-24591
	F07_	76	Z16XE	Fr. Ch. No. 22000001, 25000001	01.2002->01.2003		250-24590	250-24592
	F07_	76	Z16XE	Fr. Ch. No. 26000001, 28000001	01.2002->01.2003		250-24590	250-24592
	F07_	76	Z16XE	Fr. Ch. No. 22000001, 25000001	02.2003->02.2005		250-24735	250-24648
	F07_	76	Z16XE	Fr. Ch. No. 26000001, 28000001	02.2003->02.2005		250-24735	250-24648
1.8 16V	F07_	85	X18XE1		03.2000->10.2000		250-24803	
	F07_	85	Z18XE		03.2000->10.2000		250-24733	250-24400
	F07_	92	Z18XEL		09.2000->02.2005		250-24733	250-24400
2.0 16V Turbo	F07_	140	Z20LET		09.2000->10.2002		250-24648	250-24738
	F07_	141	Z20LET		09.2000->10.2002		250-24648	250-24738
	F07_	147	Z20LER		11.2002->02.2005		250-24648	
2.2 16V	F07_	108	Z22SE		09.2000->02.2005		250-24706	250-24731
ASTRA G HATCHBACK								
1.2 16V	F69_	48	X12XE		09.1998->09.2000		250-241024	
1.6	F69_	62	Z16SE		09.2000->01.2005		250-241030	
ASTRA G KASTEN								
1.6	F70	62	Z16SE		09.2000->04.2005		250-241030	
ASTRA G SALOON								
1.2 16V	F69_	48	X12XE		09.1998->09.2000		250-24590	
	F69_	55	Z12XE		09.2000->02.2004		250-24648	250-24612
1.4 16V	F69_	66	X14XE	To Ch. No. 12999999, 15999999	09.1998->12.2001		250-24788	250-24591
	F69_	66	X14XE	To Ch. No. 16999999, 18999999	09.1998->12.2001		250-24788	250-24591
	F69_	66	X14XE	Fr. Ch. No. 22000001, 25000001	01.2002->02.2004		250-24592	250-24592
	F69_	66	X14XE	Fr. Ch. No. 26000001, 28000001	01.2002->02.2004		250-24592	250-24592



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
ASTRA G SALOON (cont'd)								
1.4 16V	F69_	66	Z14XE		09.1998->02.2004		250-24590	250-24592
1.6	F69_	55	X16SZR		09.1998->08.2000		250-21001	
	F69_	62	Z16SE		09.2000->12.2001		250-24400	250-24400
	F69_	62	Z16SE		01.2002->02.2004		250-24400	250-24592
	F69_	76	Z16XEP		02.2003->01.2005		250-24735	250-24648
1.6 16V	F69_	74	X16XEL		09.1998->12.2001		250-24788	
	F69_	74	X16XEL		01.2002->02.2004		250-24592	
1.8 16V	F69_	85	X18XE1		03.1999->09.2000		250-24803	
	F69_	92	Z18XE		09.2000->02.2004		250-24733	250-24400
2.0 16V	F69_	100	X20XEV		03.1999->01.2005		250-24806	
2.2 16V	F69_	108	Z22SE		03.2001->02.2004		250-24706	250-24731
ASTRA GTC								
1.4i		55	Z14XEL	To.Ch.No.52999999,55999999,58999999	03.2005->up		250-24648	250-24612
ASTRA H								
1.2		59	Z12XEP		08.2005->up		250-24648	250-24648
1.2i		59	Z12XEP		03.2004->07.2005		250-24648	250-24612
1.3 CDTI		66	Z13DTH		08.2005->up			800-95018
1.4i		55	Z14XEL	To.Ch.No.52999999,55999999,58999999	03.2005->12.2005		250-24648	250-24612
		55	Z14XEL	Fr.Ch.No.62000001,65000001,68000001	01.2006->up		250-24612	250-24612
		66	Z14XEP		03.2004->12.2004		250-24648	250-24648
		66	Z14XEP		01.2006->09.2010		250-24612	250-24612
1.6		77	Z16XEP		03.2004->12.2005		250-24735	250-24648
		77	Z16XEP		01.2006->up		250-24846	250-24648
		85	Z16XER		01.2007->up		250-24846	250-24648
1.7 CDTI		81	Z17DTJ/F		02.2007->up			250-54091
		92	Z17DTR/F		02.2007->up			250-54091
1.8		92	Z18XE		03.2004->up		250-24733	250-24400
		103	Z18XER		01.2006->up		250-24984	250-24984
1.9 CDTI		74	Z19DTL		09.2005->up			800-95017
		88	Z19DT		09.2005->up			800-95017
		110	Z19DTH		09.2004->up			800-95017
1.9 CDTI 16V		88	Z19DTJ		04.2004->up			800-95017
2.0 Turbo		125	Z20LEL		03.2004->up		250-24648	250-24738
		147	Z20LER		09.2004->up		250-24648	250-24738
		177	Z20LEH		03.2005->up		250-24648	250-24738
ASTRA H CARAVAN								
1.3 CDTI		66	Z13DTH		12.2006->up			800-95018
1.4		66	Z14XEP		03.2004->07.2005		250-24648	250-24612
1.6		77	Z16XEP		08.2004->12.2005		250-24735	250-24648
		77	Z16XEP		01.2006->up		250-24846	250-24648
		85	Z16XEP		01.2007->up		250-24846	250-24648
1.7 CDTI		81	Z17DTJ/F		02.2007->up		250-54091	
		92	Z17DTR/F		02.2007->up		250-54091	
1.8		92	Z18XE		08.2004->up		250-24733	250-24400
		103	Z18XER		08.2005->up		250-24984	250-24984
1.9 CDTI		74	Z19DTL		09.2005->up			800-95017
		88	Z19DT		09.2005->up			800-95017
		110	Z19DTH		09.2004->up			800-95017
1.9 CDTI 16V		88	Z19DTJ		08.2004->up			800-95017
2.0 Turbo		125	Z20LEL		08.2004->up		250-24648	250-24738
		147	Z20LER		09.2004->up		250-24648	250-24738
ASTRA H GTC								
1.2		59	Z12XEP	To.Ch.No.52999999, 55999999, 58999999	03.2005->12.2005		250-24648	250-24612
		59	Z12XEP	Fr.Ch.No.62000001,65000001,68000001	01.2006->up		250-24612	250-24612
1.4		66	Z14XEP	To.Ch.No.52999999, 55999999, 58999999	03.2005->12.2005		250-24648	250-24612
1.4i		66	Z14XEP	Fr.Ch.No.62000001,65000001,68000001	01.2006->up		250-24612	250-24612
1.6		77	Z16XEP		03.2005->12.2005		250-24735	250-24648
		77	Z16XEP		01.2006->up		250-24846	250-24648
1.7 CDTI		81	A17DTJ, Z17DTJ/F		02.2007->up			250-54091
		92	A17DTR, Z17DTR/F		02.2007->up			250-54091
1.8		92	Z18XE		03.2005->up		250-24733	250-24400
		103	Z18XER		01.2006->up		250-24984	250-24984
1.9 CDTI		74	Z19DTL		01.2006->up			800-95017
		88	Z19DT		09.2005->up			800-95017
		110	Z19DTH		03.2005->up			800-95017
1.9 CDTI 16V		88	Z19DTJ		03.2005->up			800-95017
2.0 Turbo		125	Z20LEL		03.2005->up		250-24648	250-24738
		147	Z20LER		03.2005->up		250-24648	250-24738
		177	Z20LEH		08.2005->up		250-24648	250-24738
ASTRA H TWIN TOP								
1.6		77	Z16XEP		09.2005->12.2005		250-24735	250-24648
		77	Z16XEP		01.2006->12.2006		250-24846	250-24648



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OPEL (cont'd)								
ASTRA H TWIN TOP (cont'd)								
1.6		85	Z16XER		01.2007->up		250-24846	250-24648
1.6 Turbo		132	Z16LET		02.2007->up		250-24612	
1.6i Turbo 16V		132	Z16LET		01.2007->up		250-24612	
1.8		92	Z18XE		09.2005->up		250-24733	250-24400
		103	Z18XER		09.2005->up		250-24984	250-24984
1.9 CDTi		110	Z19DTH		09.2005->up			800-95017
2.0 Turbo		125	Z20LEL		09.2005->up		250-24648	250-24738
		147	Z20LER		09.2005->up		250-24648	250-24738
ASTRA H VAN								
1.7 CDTi		81	Z17DTJ/F		02.2007->up			250-54091
		92			02.2007->up			250-54091
CALIBRA A								
2.0i	85_	85	C20NE		06.1990->07.1997		250-23138	
2.0i 16V	85_	100	X20XEV		06.1994->12.1995		250-24803	
	85_	100	X20XEV		01.1996->07.1997		250-24806	
	85_	110	C20XE	To Ch. No. P1000345, N9999999	06.1990->12.1993		250-23138	
	85_	110	C20XE	Fr. Ch. No. P1000346, P9000001	01.1993->02.1994		250-23146	
2.0i 16V 4x4	85_	100	X20XEV	To Ch. No. T9004511	06.1994->12.1996		250-24803	
	85_	100	X20XEV	Fr. Ch. No. T9004512	01.1996->07.1997		250-24806	
	85_	110	C20XE	Fr. Ch. No. P1000346, P9000001	01.1993->02.1994		250-23146	
	85_	110	C20XE	To Ch. No. P1000345, N9999999	06.1990->12.1993		250-23138	
2.0i 4x4	85_	85	C20NE		06.1990->07.1997		250-23138	
2.0i Turbo 4x4	85_	150	C20LET		03.1992->07.1997		250-23146	
2.5i V6	85_	125	C25XE		05.1993->06.1996		250-23146	
	85_	125	CX25XE		07.1996->07.1997		250-23138	
CAMPO								
2.3	TF_	69,72	4ZD1		07.1994->06.1996		250-23004	
2.3 4x4	TF_	69,72	4ZD1		07.1994->06.1996		250-23004	
COMBO								
1.2	71_	33	C12NZ,X12SZ		07.1994->09.2001		250-21001	
1.4	71_	44,60	C14NZ,X14SZ,C14SE		07.1994->09.2001		250-21001	
1.4 16V	71_	66	X14XE		08.1999->09.2001		250-21001	
COMBO BOX								
1.4 16V		66	Z14XEP		08.2005->up		250-24648	250-24612
1.6		64	Z16SE		10.2001->06.2004		250-24592	250-24592
1.6 CNG 16V		71	Z16YNG		04.2005->up			250-24845
COMBO ESTATE								
1.4 16V		66	Z14XEP		08.2005->up		250-24648	250-24612
1.6		64	Z16SE		10.2001->06.2004		250-24592	250-24592
COMBO TOUR								
1.4		66	Z14XEP	To.Ch.No. 53999999,54999999,56999999	10.2004->up		250-24648	250-24612
		66	Z14XEP	Fr.Ch.No. 63000001,64000001,66000001	10.2004->up		250-24612	250-24612
1.6		64	Z16SE		04.2002->06.2004		250-24592	250-24592
1.6 16V		69	Z16YNG		06.2006->up		250-24847	
CORSA A CC								
1.2i	93_ 94_	33	C12NZ		07.1991->03.1993		250-21001	
	98_ 99_	33	C12NZ		07.1991->03.1993		250-21001	
1.3i	93_ 94_	44	C13N		09.1986->09.1990		250-21001	
	98_ 99_	44	C13N		09.1986->09.1990		250-21001	
1.4i	93_ 94_	40,44	C14NZ		01.1990->03.1993		250-21001	
	98_ 99_	40,44	C14NZ		01.1990->03.1993		250-21001	
1.4 Si	93_ 94_	60	C14SE		09.1991->03.1993		250-21001	
	98_ 99_	60	C14SE		09.1991->03.1993		250-21001	
1.6 GSI CAT	93_ 94_	74	C16SE		02.1992->03.1993		250-21001	
	98_ 99_	74	C16SE		02.1992->03.1993		250-21001	
1.6 GSI	93_ 94_	55,72	C16SEI		09.1989->03.1993		250-21001	
	98_ 99_	55,72	C16SEI		09.1989->03.1993		250-21001	
	93_ 94_	74	E16SE		05.1988->03.1992		250-23138	
	98_ 99_	74	E16SE		05.1988->03.1992		250-23138	
CORSA A TR								
1.2i	91_ 92_	33	C12NZ		07.1991->03.1993		250-21001	
	96_ 97_	33	C12NZ		07.1991->03.1993		250-21001	
1.3	91_ 92_	44	C13N		09.1986->10.1987		250-21001	
	96_ 97_	44	C13N		09.1986->10.1987		250-21001	
1.4i	91_ 92_	44	C14NZ		07.1991->03.1993		250-21001	
	96_ 97_	44	C14NZ		07.1991->03.1993		250-21001	
CORSA B								
1.0i 12V	73_ 78_ 79_	40	X10XE		03.1997->08.2000		250-241024	
1.2i	73_ 78_ 79_	33	12NZ,C12NZ,X12SZ		03.1993->09.2000		250-21001	
1.2i 16V	73_ 78_ 79_	48	X12XE		03.1998->08.2000		250-241024	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
CORSA B (cont'd)								
1.4i	73_ 78_ 79_	44	C14NZ,X14SZ		03.1993->08.2000		250-21001	
1.4i 16V	73_ 78_ 79_	63	C14NZ		08.1997->08.2000		250-21001	
	73_ 78_ 79_	66	X14XE	To Ch. No. S4269627, S6011904	07.1995->12.1995		250-21038	
	73_ 78_ 79_	66	X14XE	Fr. Ch. No. S4269628, S6011905	07.1995->08.2000		250-21001	
1.4 Si	73_ 78_ 79_	60	C14SE		03.1993->08.2000		250-21001	
1.6 GSI 16V	73_ 78_ 79_	80	C16XE	To Ch. No. S4269627, S6011904	03.1993->12.1995		250-21038	
	73_ 78_ 79_	80	C16XE	Fr. Ch. No. S4269628, S6011905	01.1995->08.2000		250-21001	
1.6i 16V	73_ 78_ 79_	78	X16XE	To Ch. No. S4269627, S6011904	09.1994->12.1995		250-21038	
	73_ 78_ 79_	78	X16XE	Fr. Ch. No. S4269628, S6011905	01.1995->08.2000		250-21001	
CORSA B BOX								
1.4i	73_	44	X14SZ		08.1999->08.2000		250-21001	
CORSA C								
1.0	F08, F68	43	Z10XE		09.2000->08.2003		250-24648	250-24612
	F08, F68	44	Z10XEP		09.2003->07.2006		250-24648	250-24648
1.2	F08, F68	55	Z12XE		09.2000->08.2004		250-24648	250-24612
1.2 Twinport	F08, F68	59	Z12XEP	To.Ch.No.53999999,54999999,56999999	09.2004->up		250-24648	250-24612
	F08, F68	59	Z12XEP	Fr.Ch.No.6300001,64000001,66000001	09.2003->07.2006		250-24612	250-24612
1.4	F08, F68	66	Z14XE	To.Ch.No.13999999,14999999,16999999	09.2000->08.2003		250-24590	250-24591
	F08, F68	66	Z14XE	Fr.Ch.No.23000001,24000001,26000001	09.2000->08.2003		250-24590	250-24592
1.4i	F08, F68	66	Z14XEP	To.Ch.No.53999999,54999999,56999999	09.2003->up		250-24648	250-24612
	F08, F68	66	Z14XEP	Fr.Ch.No.6300001,64000001,66000001	09.2003->7.2006		250-24612	250-24612
1.8	F08, F68	92	Z18XE		09.2000->08.2003		250-24733	250-24400
CORSA C BOX								
1.2	F08, W5L	59	Z12XEP		07.2005->up		250-24648	250-24648
1.2 16V	F08, W5L	55	Z12XE		09.2000->08.2003		250-24648	250-24612
1.2i	F08, W5L	59	Z12XEP	To.Ch.No.53999999,54999999,56999999	09.2004->up		250-24648	250-24612
CORSA D								
1.0		44	Z10XEP		07.2006->up		250-24612	250-24648
1.2		59	Z12XEP		07.2006->up		250-24612	250-24612
1.4		66	Z14XEP		07.2006->up		250-24612	250-24612
1.6 Turbo		141	Z16LER		02.2007->up		250-24612	
FRONTERA A								
2.2i	5_MWL4	100	X22XE		04.1995->09.1998		250-23826	
2.4i	5_MWL4	92	C24NE		03.1992->04.1995		250-23138	
FRONTERA A SPORT								
2.0i	5_SUD2	85	C20NE		03.1992->04.1995		250-23146	
	5_SUD2	85	X20SE		04.1995->09.1998		250-23826	
FRONTERA B								
2.2i 16V	6B_	100	X22SE		10.1998->07.2005		250-24012	250-24012
3.2i	6B_	151	Y32NE		03.2001->up	Left	250-24012	
	6B_	151	Y32NE		03.2001->up	Right	250-24012	
INSIGNIA								
2.0 Turbo		162	A20NHT		07.2008->up			250-24773
2.0 Turbo 4x4		162	A20NHT		07.2008->up			250-24773
KADETT E								
1.3i CAT	39_ 49_	44	C13N		09.1985->08.1991		250-21001	
1.4i	39_ 49_	44	C14NZ		01.1990->08.1991		250-21001	
1.6i	39_ 49_	55	C16LZ		09.1986->08.1991		250-21001	
1.6i CAT	39_ 49_	55	C16NZ,C16LZ		09.1986->08.1991		250-21001	
1.8i	39_ 49_	66	C18NZ		09.1990->08.1991		250-21001	
	39_ 49_	74	C18NE		10.1985->08.1986		250-23138	
1.8 S	39_ 49_	62	C18NE		09.1987->08.1991		250-23138	
2.0i	39_ 49_	85	20NE		03.1987->08.1991		250-23138	
2.0i CAT	39_ 49_	85	C20NE		03.1987->08.1991		250-23138	
KADETT E BOX								
1.3 N	37_ 47_	44	13NB,13N		09.1984->07.1989		250-21001	
1.4i	37_ 47_	44	C14NZ		01.1990->08.1991		250-21001	
1.6i	37_ 47_	55	C16NZ		08.1989->12.1991		250-21001	
1.8i	37_ 47_	66	C18NZ		08.1984->12.1991		250-21001	
KADETT E CABRIOLET								
1.4i	43B_	44	C14NZ		01.1990->08.1991		250-21001	
1.6i	43B_	55	E16NZ		09.1987->08.1991		250-21001	
1.6i CAT	43B_	55	C16NZ		10.1987->08.1991		250-21001	
2.0i	43B_	85	20NE		10.1986->08.1991		250-23138	
2.0i CAT	43B_	85	C20NE		10.1986->12.1991		250-23138	
KADETT E CARAVAN								
1.3i CAT	35_ 36_	44	C13N		09.1986->08.1991		250-21001	
	45_ 46_	44	C13N		09.1986->08.1991		250-21001	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
KADETT E CARAVAN (cont'd)								
1.3 N	35_36_	44	13N		09.1985->08.1991		250-21001	
	45_46_	44	13N		09.1985->08.1991		250-21001	
1.4i	35_36_	44	C14NZ		01.1990->08.1991		250-21001	
	45_46_	44	C14NZ		01.1990->08.1991		250-21001	
1.6i	35_36_	55	E16NZ		09.1987->08.1991		250-21001	
	45_46_	55	E16NZ		09.1987->08.1991		250-21001	
1.6i CAT	35_36_	55	C16LZ		09.1986->08.1991		250-21001	
	45_46_	55	C16LZ		09.1986->08.1991		250-21001	
1.8 E	35_36_	74	C18NE		10.1985->08.1986		250-23138	
	45_46_	74	C18NE		10.1985->08.1986		250-23138	
1.8i	35_36_	66	C18NZ		06.1985->08.1991		250-21001	
	45_46_	66	C18NZ		06.1985->08.1991		250-21001	
2.0i	35_36_	85	20NE		09.1987->08.1991		250-23138	
	45_46_	85	20NE		09.1987->08.1991		250-23138	
2.0i CAT	35_36_	85	C20NE		09.1987->08.1991		250-23138	
	45_46_	85	C20NE		09.1987->08.1991		250-23138	
KADETT E CC								
1.3i CAT	33_34_	44	C13N		09.1985->08.1991		250-21001	
	43_44_	44	C13N		09.1985->08.1991		250-21001	
1.3 N	33_34_	44	13N		09.1985->08.1991		250-21001	
	43_44_	44	13N		09.1985->08.1991		250-21001	
1.4i	33_34_	44	C14NZ		01.1990->08.1991		250-21001	
	43_44_	44	C14NZ		01.1990->08.1991		250-21001	
1.6i	33_34_	55	E16NZ		09.1987->08.1991		250-21001	
	43_44_	55	E16NZ		09.1987->08.1991		250-21001	
1.6i CAT	33_34_	55	C16NZ		09.1986->08.1991		250-21001	
	43_44_	55	C16NZ		09.1986->08.1991		250-21001	
1.8 E	33_34_	74	C18NE		10.1985->08.1986		250-23138	
	43_44_	74	C18NE		10.1985->08.1986		250-23138	
1.8i	33_34_	66	C18NZ		06.1985->08.1991		250-21001	
	43_44_	66	C18NZ		06.1985->08.1991		250-21001	
2.0 GSI	33_34_	85	20NE		09.1986->08.1991		250-23138	
	43_44_	85	20NE		09.1986->08.1991		250-23138	
2.0 GSI 16V	33_34_	110	20XEJ,20XE		03.1988->08.1991		250-23138	
	43_44_	110	20XEJ,20XE		03.1988->08.1991		250-23138	
	33_34_	115	20XEJ,20XE		03.1988->08.1991		250-23138	
	43_44_	115	20XEJ,20XE		03.1988->08.1991		250-23138	
2.0 GSI 16V CAT	33_34_	110	C20XE		03.1988->08.1991		250-23138	
	43_44_	110	C20XE		03.1988->08.1991		250-23138	
2.0 GSI CAT	33_34_	85	C20NE		09.1986->08.1991		250-23138	
	43_44_	85	C20NE		09.1986->08.1991		250-23138	
KADETT E COMBO								
1.3 N	38_48_	44	C13N		02.1989->12.1989		250-21001	
1.4i	38_48_	44	C14NZ		08.1991->07.1994		250-21001	
1.6i	38_48_	55	C16LZ		08.1991->03.1993		250-21001	
MERIVA								
1.4 16V Twinport		66	Z14XEP		09.2004->up		250-24648	250-24612
1.6		64	Z16SE		05.2003->08.2004		250-24592	250-24592
		77	Z16XEP		01.2006->up		250-24735	250-24648
1.6 16V		74	Z16XE		05.2003->07.2004		250-24590	250-24592
1.6i		74	Z16XE		05.2003->07.2004		250-24590	
		132	Z16LET		03.2006->up		250-24612	250-24853
1.6 Turbo		132	Z16LET		09.2005->05.2010		250-24612	250-24853
1.8		92	Z18XE		05.2003->up		250-24733	250-24400
MONTEREY A								
3.2	UBS_	130	6VD1		06.1992->07.1998		250-23004	
MONZA A								
3.0 GSE	22_	115	C30LE		09.1985->08.1986		250-23138	
OMEGA A								
2.0	16_17_19_	73,74	C20NEJ, C20NEF		09.1990->02.1992		250-23146	
2.0i	16_17_19_	85	C20NE		10.1986->02.1994		250-23146	
2.4i	16_17_19_	92	C24NE		10.1988->07.1991		250-23138	
2.6i	16_17_19_	110	C26NE		09.1990->02.1994		250-23146	
3.0	16_17_19_	115	C30LE, C30NE	To Ch. No. L1999999	03.1987->12.1987		250-23138	
	16_17_19_	115	C30LE, C30NE	Fr. Ch. No. M1000001	03.1987->12.1987		250-23146	
	16_17_19_	130	C30NE	To Ch. No. K1000471	03.1988->12.1989		250-23138	
	16_17_19_	130	C30NE	Fr. Ch. No. K1000472	01.1989->02.1994		250-23146	
	16_17_19_	130	C30NE	To Ch. No. L1999999	03.1988->12.1990		250-23138	
	16_17_19_	130	C30NE	Fr. Ch. No. M1000001	01.1991->02.1994		250-23146	
3.0 24V	16_17_19_	147	C30SEJ	To Ch. No. L1999999	10.1989->12.1990		250-23138	
	16_17_19_	147	C30SEJ	Fr. Ch. No. M1000001	09.1989->03.1994		250-23146	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
OMEGA A (cont'd)								
3.0 24V	16_ 17_ 19_	150	C30SE	To Ch. No. L1999999	10.1989->12.1990		250-23138	
	16_ 17_ 19_	150	C30SE	Fr. Ch. No. M1000001	01.1994->02.1994		250-23146	
OMEGA A CARAVAN								
2.0	66_ 67_	74	C20NEF		09.1990->02.1992		250-23146	
2.0i	66_ 67_	73,85	C20NE		10.1986->02.1994		250-23146	
2.4i	66_ 67_	92	C24NE		10.1988->07.1991		250-23138	
2.6i	66_ 67_	110	C26NE		09.1990->02.1994		250-23146	
3.0	66_ 67_	115	C30LE		03.1987->12.1987		250-23138	
3.0 CAT	66_ 67_	130	C30NE	To Ch. No. K1000471	03.1987->12.1989		250-23138	
	66_ 67_	130	C30NE	Fr. Ch. No. K1000472	01.1989->02.1994		250-23146	
	66_ 67_	130	C30NE	To Ch. No. L1999999	03.1987->12.1990		250-23138	
	66_ 67_	130	C30NE	Fr. Ch. No. M1000001	01.1991->02.1994		250-23146	
3.0 24V	66_ 67_	147	C30SE	To Ch. No. L1999999	10.1989->12.1990		250-23138	
	66_ 67_	147	C30SE	Fr. Ch. No. M1000001	01.1991->02.1994		250-23146	
OMEGA B								
2.0	25_ 26_ 27_	85	X20SE		03.1994->09.1999		250-23826	
2.0 16V	25_ 26_ 27_	100	X20XEV	Fr. Ch. No. T1066219	03.1994->08.1999		250-24807	
2.2 16V	25_ 26_ 27_	106	Z22XE	A/T	09.1999->07.2003		250-24984	250-24571
2.2i 16V	25_ 26_ 27_	106	Z22XE	M/T	08.1999->07.2003		250-24984	250-24733
	25_ 26_ 27_	125	X25XE		03.1994->09.2000	Left	250-23138	
	25_ 26_ 27_	125	X25XE		03.1994->09.2000	Right	250-23826	
2.6 V6	25_ 26_ 27_	132	Y26SE	A/T	09.2000->07.2003	Left	250-24682	250-24648
	25_ 26_ 27_	132	Y26SE	A/T	09.2000->07.2003	Right	250-24682	250-24648
	25_ 26_ 27_	132	Y26SE	M/T, To Ch. No. 21059096	09.2000->07.2003	Left	250-24612	250-24612
	25_ 26_ 27_	132	Y26SE	M/T, To Ch. No. 21059096	09.2000->07.2003	Right	250-24612	250-24612
3.0 V6	25_ 26_ 27_	155	X30XE		04.1994->02.2001	Left	250-23826	
	25_ 26_ 27_	155	X30XE		04.1994->02.2001	Right	250-23138	
3.2 V6	25_ 26_ 27_	160	Y32SE		02.2001->07.2003	Left	250-24682	250-24648
	25_ 26_ 27_	160	Y32SE		02.2001->07.2003	Right	250-24682	250-24648
OMEGA B CARAVAN								
2.0	21_ 22_ 23_	85	X20SE		03.1994->09.1999		250-23826	
2.0 16V	21_ 22_ 23_	100	X20XEV	Fr. Ch. No. T1066219	03.1994->08.1999		250-24807	
2.2 16V	21_ 22_ 23_	106	Z22XE	M/T	09.1999->07.2003		250-24984	250-24733
	21_ 22_ 23_	106	Z22XE	A/T	09.1999->07.2003		250-24984	250-24571
2.5 V6	21_ 22_ 23_	125	X25XE	Leaded Fuel	03.1994->09.2000	Left	250-23138	
	21_ 22_ 23_	125	X25XE	Leaded Fuel	03.1994->09.2000	Right	250-23138	
	21_ 22_ 23_	125	X25XE	Lead Free Fuel	03.1994->09.2000	Left	250-23826	
	21_ 22_ 23_	125	X25XE	Lead Free Fuel	03.1994->09.2000	Right	250-23826	
2.6 V6	21_ 22_ 23_	132	Y26SE		09.2000->07.2003	Left	250-24682	250-24648
	21_ 22_ 23_	132	Y26SE		09.2000->07.2003	Right	250-24682	250-24648
	21_ 22_ 23_	132	Y26SE		09.2000->07.2003	Left	250-24612	250-24612
	21_ 22_ 23_	132	Y26SE		09.2000->07.2003	Right	250-24612	250-24612
3.0 V6	21_ 22_ 23_	155	X30XE	Lead Free Fuel	04.1994->02.2001	Left	250-23826	
	21_ 22_ 23_	155	X30XE	Lead Free Fuel	04.1994->02.2001	Right	250-23826	
	21_ 22_ 23_	155	X30XE	Leaded Fuel	04.1994->02.2001	Left	250-23138	
	21_ 22_ 23_	155	X30XE	Leaded Fuel	04.1994->02.2001	Right	250-23138	
3.2 V6	21_ 22_ 23_	160	Y32SE		02.2001->07.2003	Left	250-24682	250-24648
	21_ 22_ 23_	160	Y32SE		02.2001->07.2003	Right	250-24682	250-24648
REKORD E								
1.8 E	17, 19, 11, 14, 16	74			05.1985->08.1986		250-23146	
REKORD E CARAVAN								
1.8 E	61_ 66_ 67_	74	C18NV		05.1985->08.1986		250-23146	
SENATOR A								
3.0	29_	115	C30LE		09.1985->08.1987		250-23138	
SENATOR B								
2.6i	29_	110	C26NE		09.1990->06.1993		250-23146	
3.0	29_	115	C30LE		09.1987->06.1993		250-23138	
	29_	130	C30NE	To Ch. No. L1999999	01.1988->09.1990		250-23138	
	29_	130	C30NE	Fr. Ch. No. M1000001	01.1988->09.1990		250-23146	
3.0 24V	29_	150	C30SE	To Ch. No. L1999999	10.1989->12.1990		250-23138	
	29_	150	C30SE	Fr. Ch. No. M1000001	01.1991->06.1993		250-23146	
3.0i CAT	29_	130	C30NE	To Ch. No. K1000471	01.1988->12.1989		250-23138	
	29_	130	C30NE	Fr. Ch. No. K1000472	01.1990->06.1993		250-23146	
	29_	130	C30NE	To Ch. No. L1999999	01.1988->12.1990		250-23138	
	29_	130	C30NE	Fr. Ch. No. M1000001	01.1991->06.1993		250-23146	
SIGNUM								
1.8		90	Z18XE		06.2003->up		250-24733	250-24400
		103	Z18XER		09.2005->up		250-24984	250-24984
1.9 CDTI		74,88	Z19DT,Z19DTH		04.2004->up			800-95017
		110	Z19DT,Z19DTH		04.2004->up			800-95017



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
SIGNUM (cont'd)								
2.0i Turbo		129	Z20NET	To Ch. No. 41039263	06.2003->12.2004		250-24497	250-24920
		129	Z20NET	From Ch. No. 41039264	01.2004->09.2005		250-24665	250-24410
2.2 Direct		114	X22YH		06.2003->12.2005		250-25010	250-24853
2.8 V6 Turbo		169	Z28NEL		09.2005->12.2006		250-25035	250-24612
2.8i		169	Z28NEL(230)		10.2005->12.2006		250-25035	250-24612
SINTRA								
2.2i 16V		104	X22XE		11.1996->04.1999		250-23146	
3.0i 24V		148	X30XE		11.1996->04.1999	Left	250-23826	
		148	X30XE		11.1996->04.1999	Right	250-23826	
SPEEDSTER								
2.0 Turbo		147	Z20LET		04.2003->09.2005		250-24648	250-24738
2.2		108	Z22SE		09.2000->09.2005		250-24706	250-24731
TIGRA								
1.4 16V	95_	63	C14SE		08.1997->12.2000		250-21001	
	95_	66	X14XE	To Ch. No. S4269627, S6011904	09.1994->08.1999		250-21038	
	95_	66	X14XE	Fr. Ch. No. S4269628, S6011905	12.1995->12.2000		250-21001	
1.6 16V	95_	78	X16XE	To Ch. No. S4269627, S6011904	10.1994->12.1995		250-21038	
	95_	78	X16XE	Fr. Ch. No. S4269628, S6011905	01.1995->08.1998		250-21001	
TIGRA TWIN TOP								
1.4		66	Z14XEP		07.2004->12.2005		250-24648	250-24612
1.4i		66	Z14XEP		01.2006->07.2008		250-24612	250-24612
1.8		92	Z18XE		07.2004->07.2008		250-24733	250-24400
VECTRA A								
1.6i	86_ 87_	55	C16NZ		09.1988->09.1995		250-21001	
1.6i CAT	86_ 87_	55	C16NZ		09.1988->09.1995		250-21001	
1.8i CAT	86_ 87_	66	C18NZ		03.1990->09.1995		250-21001	
1.8 S	86_ 87_	66	18SV		03.1990->10.1990		250-21001	
2	86_ 87_	74	C20NEF		09.1988->09.1989		250-23138	
2.0i	86_ 87_	85	Z0NE		09.1988->10.1990		250-23138	
2.0i 16V	86_ 87_	100	X20XEV		06.1994->09.1995		250-24803	
2.0i 16V 4x4	86_ 87_	100	X20XEV		06.1994->11.1995		250-24803	
2.0i 4x4	86_ 87_	85	Z0NE		01.1989->10.1990		250-23138	
2.0i 4x4 CAT	86_ 87_	85	C20NE		07.1992->09.1995		250-23138	
2.0i CAT	86_ 87_	85	C20NE		09.1988->09.1995		250-23138	
2.0i Turbo 4x4	86_ 87_	150	C20LET		06.1994->09.1995		250-23146	
2.5 V6	86_ 87_	125	C25XE		05.1993->09.1995		250-23146	
2000/GT 16V	86_ 87_	110	Z0XEJ		09.1989->06.1994		250-23138	
2000/GT 16V 4x4 CAT	86_ 87_	110	C20XE	To Ch.No.N1999999,N5999999,NV999999	03.1990->12.1992		250-23138	
	86_ 87_	110	C20XE	Fr. Ch.No.P1000001,P500000,P7000001	01.1993->09.1995		250-23146	
2000/GT 16V CAT	86_ 87_	110	C20XE	To Ch.No.N1999999,N5999999,NV999999	03.1990->12.1992		250-23138	
	86_ 87_	110	C20XE	Fr. Ch.No.P1000001,P500000,P7000001	01.1993->09.1993		250-23146	
VECTRA A CC								
1.6i	88_ 89_	52	X16SZ		09.1993->09.1995		250-21001	
1.6i CAT	88_ 89_	55	C16NZ		09.1988->09.1995		250-21001	
1.8i	88_ 89_	66	18SV		03.1990->10.1990		250-21001	
1.8i CAT	88_ 89_	66	C18NZ		03.1990->09.1995		250-21001	
2.0	88_ 89_	74	C20NEF		09.1988->09.1989		250-23138	
2.0i	88_ 89_	85	Z0NE		09.1988->10.1990		250-23138	
2.0i 16V	88_ 89_	110	Z0XEJ		09.1989->10.1990		250-23138	
	88_ 89_	100	X20XEV		06.1994->09.1995		250-24803	
2.0i 16V CAT	88_ 89_	110	C20XE	To Ch.No.N1999999,N5999999,NV999999	03.1990->12.1992		250-23138	
	88_ 89_	110	C20XE	Fr. Ch.No.P1000001,P500000,P7000001	01.1993->09.1993		250-23146	
2.0i CAT	88_ 89_	85	C20NE		09.1988->09.1995		250-23138	
2.5 V6	88_ 89_	125	C25XE		05.1993->09.1995		250-23146	
VECTRA B								
1.6i	36_	55	16LZ2		09.1996->09.2000		250-21001	
	36_	55	X16SZR		10.1995->01.1999		250-21001	
1.6i 16V	36_	74	X16XEL	To Ch. W1285446, W154258	10.1995->12.1998		250-21001	
	36_	74	X16XEL	Fr. Ch. No. W1285447, W7154259	01.1998->01.1999		250-24788	
	36_	74	Z16XE		02.1999->03.2002		250-24591	250-24591
1.8i 16V	36_	85	X18XE		10.1995->01.1999		250-24806	
	36_	92	Z18XE		09.2000->03.2002		250-24733	250-24400
2.0i 16V	36_	100	X20XEV		10.1995->01.1999		250-24806	
2.2i 16V	36_	108	Z22SE		09.2000->03.2002		250-24706	250-24731
2.5i V6	36_	125	X25XE	Leaded Fuel	10.1995->01.1999	Left	250-23138	
	36_	125	X25XE	Leaded Fuel	10.1995->01.1999	Right	250-23138	
	36_	125	X25XE	Non Leaded Fuel	10.1995->01.1999	Left	250-23146	
	36_	125	X25XE	Non Leaded Fuel	10.1995->01.1999	Right	250-23146	
2.6i V6	36_	125	Y26SE		09.2000->03.2002		250-24648	250-24682
i 500 2.5	36_	143	X25XE	Non Leaded Fuel	05.1998->01.1999	Left	250-23146	
	36_	143	X25XE	Non Leaded Fuel	05.1998->01.1999	Right	250-23146	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
VECTRA B (cont'd)								
i500 2.5	36_	143	X25XE	Leaded Fuel	05.1998->01.1999	Left	250-23138	
	36_	143	X25XE	Leaded Fuel	05.1998->01.1999	Right	250-23138	
VECTRA B CARAVAN								
1.6i	31_	55	X16SZR		11.1996->01.1999		250-21001	
1.6i 16V	31_	74	X16XEL	To Ch. No. W1285446, W7154258	11.1996->12.1998		250-21001	
	31_	74	X16XEL	Fr. Ch. No. W1285447, W7154259	01.1998->01.1999		250-24788	
	31_	74	Z16XE		02.1999->07.2002		250-24591	250-24591
	31_	85	X18XE		11.1996->01.1999		250-24806	
	31_	92	Z18XE		09.2000->06.2003		250-24733	250-24400
2.0i 16V	31_	100	X20XEV		11.1996->01.1999		250-24806	
2.2i 16V	31_	108	Z22SE		09.2000->06.2003		250-24706	250-24731
2.5i V6	31_	125	X25XE	Leaded Fuel	11.1996->01.1999	Left	250-23138	
	31_	125	X25XE	Leaded Fuel	11.1996->01.1999	Right	250-23138	
	31_	125	X25XE	Non Leaded Fuel	11.1996->01.1999	Left	250-23146	
	31_	125	X25XE	Non Leaded Fuel	11.1996->01.1999	Right	250-23146	
2.6i V6	31_	125	Y26SE		09.2000->06.2003		250-24648	250-24682
i500 2.5	31_	143	X25XE	Leaded Fuel	05.1998->01.1999	Left	250-23138	
	31_	143	X25XE	Leaded Fuel	05.1998->01.1999	Right	250-23138	
	31_	143	X25XE	Non Leaded Fuel	05.1998->01.1999	Left	250-23146	
	31_	143	X25XE	Non Leaded Fuel	05.1998->01.1999	Right	250-23146	
VECTRA B CC								
1.6i	38_	55	16LZ2,X16SZR		10.1995->09.2000		250-21001	
1.6i 16V	38_	74	X16XEL	To Ch. No. W7154258	10.1995->12.1998		250-21001	
	38_	74	X16XEL	Fr. Ch. No. W1285447, W7154259	01.1998->01.1999		250-24788	
	38_	74	Z16XE		02.1999->03.2002		250-24591	250-24591
1.8i 16V	38_	85	X18XE1		10.1995->01.1999		250-24806	
	38_	92	Z18XE		09.2000->03.2002		250-24733	250-24400
2.0i 16V	38_	100	X20XEV		10.1995->01.1999		250-24806	
2.2i 16V	38_	108	Z22SE		09.2000->03.2002		250-24706	250-24731
2.5i V6	38_	125	X25XE	Leaded Fuel	10.1995->01.1999	Left	250-23138	
	38_	125	X25XE	Leaded Fuel	10.1995->01.1999	Right	250-23138	
	38_	125	X25XE	Non Leaded Fuel	10.1995->01.1999	Left	250-23146	
	38_	125	X25XE	Non Leaded Fuel	10.1995->01.1999	Right	250-23146	
2.6i V6	38_	125	Y26SE		09.2000->03.2002		250-24648	250-24682
VECTRA C								
1.6		77	Z16XEP	Fr. Eng. No. 20HH5428	01.2006->02.2009		250-24846	250-24648
		77	Z16XEP	To Eng. No. 20HH5427	01.2006->02.2009		250-24735	250-24648
1.6 16V		74	Z16XE		06.2004->02.2009		250-24590	250-24592
1.8		81	Z18XEL		04.2002->09.2005		250-24733	250-24400
		103	Z18XER		01.2006->up		250-24984	250-24984
1.8 16V		90	Z18XE		04.2002->09.2005		250-24733	250-24400
1.9 CDTI		74	Z19DT		10.2005->02.2009			800-95017
		88	Z19DT		04.2004->02.2009			800-95017
		110	Z19DTH		10.2005->02.2009			800-95017
2.0 16V Turbo		129	Z20NET	To Ch. No. 41039263, 48034284	07.2003->12.2004		250-24497	250-24920
		129	Z20NET(MY6A)	From Ch. No. 41039264, 48034285	01.2005->02.2009		250-24665	250-24410
2.2 16V		108	Z22SE		04.2002->09.2005		250-24018	
2.2 direct		114	Z22YH	To Ch. No. 51065673	10.2003->02.2009		250-25010	250-24853
2.8 V6 Turbo		169	Z28NEL		08.2005->09.2006		250-25035	250-24612
		184	Z28NET		08.2006->02.2009		250-25035	250-24612
		188	Z28NET		08.2005->09.2009		250-25035	250-24612
3.2 V6		155	Z32SE		08.2002->09.2005		250-24648	250-24648
VECTRA C CARAVAN								
1.8		90	Z18XE		10.2003->09.2005		250-24733	250-24400
		103	Z18XER		01.2006->02.2009		250-24984	250-24984
1.9 CDTI		74	Z19DTL		10.2005->02.2009			800-95017
		88	Z19DT		04.2004->02.2009			800-95017
		110	Z19DTH		04.2004->02.2009			800-95017
2.0i Turbo		129	Z20NET	To Ch. No. 41039263, 48034284	10.2003->12.2004		250-24497	250-24920
		129	Z20NET	From Ch. No. 41039264, 48034285	01.2005->09.2005		250-24665	250-24410
2.2 direct		114	Z22YH	To Ch. No. 51065673	10.2003->02.2009		250-25010	250-24853
2.8 V6 Turbo		169	Z28NEL		10.2005->09.2006		250-25035	250-24612
		184	Z28NET		01.2007->02.2009		250-25035	250-24612
		188	Z28NET		02.2006->08.2006		250-25035	250-24612
		206	Z28NET		01.2007->02.2009		250-25035	250-24612
3.2 V6		155	Z32SE		10.2003->09.2005	Left	250-24612	250-24612
		155	Z32SE		10.2003->09.2005	Right	250-24612	250-24612
VECTRA C GTS								
1.6		74	Z16XE		09.2005->02.2009		250-24590	250-24592
		77	Z16XEP	To Eng. No. 20HH5427	01.2006->02.2009		250-24735	250-24648
		77	Z16XEP	Fr. Eng. No. 20HH5428	01.2006->02.2009		250-24846	250-24648
1.8		103	Z18XER		01.2006->02.2009		250-24984	250-24984



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
OPEL (cont'd)								
VECTRA C GTS (cont'd)								
1.8 16V		90	Z18XE		08.2002->09.2005		250-24733	250-24400
1.9 CDTI		74	Z19DT		10.2005->02.2009			800-95017
		88	Z19DT		04.2004->02.2009			800-95017
		110	Z19DTH		04.2004->09.2005			800-95017
2.0 16V Turbo		129	Z20NET	To Ch. No. 41039263, 48034284	03.2003->12.2004		250-24497	250-24920
		129	Z20NET	Fr. Ch. No. 41039263, 48034284	01.2004->02.2009		250-24665	
2.2 16V		108	Z22SE		08.2002->09.2005		250-24018	
2.2 direct		114	Z22YH	To Ch. No. 51065673	10.2003->02.2009		250-25010	250-24853
2.8 V6 Turbo		169	Z28NEL		08.2005->09.2006		250-25035	250-24612
		184	Z28NET		08.2006->02.2009		250-25035	250-24612
2.8 V6 Turbo		188	Z28NET		02.2006->08.2006		250-25035	250-24612
		206	Z28NET		08.2006->02.2009		250-25035	250-24612
3.2 V6		155	Z32SE		08.2002->09.2005	Left	250-24612	250-24612
		155	Z32SE		08.2002->09.2005	Right	250-24612	250-24612
VIVARO COMBI								
2	J7	86	F4R-820		07.2006->up		250-24585	250-24585
2.0i 16V	J7	88	F4R.720		05.2001->07.2006		250-24585	250-24585
VIVARO BOX								
2.0i	F7	86	F4R-820		07.2006->up		250-24585	250-24585
2.0i 16V	F7	88	F4R.720		05.2001->07.2006		250-24585	250-24585
VIVARO FLATBED/CHASSIS								
2.0i 16V	E7	88	F4R.7.20		05.2001->07.2006		250-24585	250-24585
ZAFIRA								
1.6		69	Z16YNG		01.2006->up		250-24847	
		77	Z16XEP		07.2005->07.2008		250-24735	250-24648
		85	Z16XER		07.2005->07.2008		250-24735	250-24648
1.6 16V	F75_	74	X16XEL	To Ch.No.129999999,189999999	04.1999->12.2001		250-24788	250-24591
	F75_	74	X16XEL	To Ch.No.169999999,189999999	04.1999->12.2001		250-24788	250-24591
	F75_	74	X16XEL	Fr. Ch.No.220000001,250000001	01.2002->06.2003		250-24592	250-24592
	F75_	74	X16XEL	Fr. Ch.No.260000001,280000001	01.2002->06.2003		250-24592	250-24592
	F75_	74	Z16XE	To Ch.No.129999999,159999999	04.1999->06.2005		250-24590	250-24591
	F75_	74	Z16XE	To Ch.No.169999999,189999999	04.1999->06.2005		250-24590	250-24591
	F75_	74	Z16XE	Fr. Ch.No.220000001,250000001	01.2002->06.2003		250-24592	250-24592
	F75_	74	Z16XE	Fr. Ch.No.260000001,280000001	01.2002->06.2003		250-24592	250-24592
1.6 CNG	F75_	71	Z16YNG		09.2001->12.2001		250-24590	250-24591
	F75_	71	Z16YNG		12.2002->06.2005		250-24590	250-24592
1.8		103	Z18XER		07.2005->up		250-24984	250-24984
1.8 16V	F75_	85	X18XE1		04.1999->09.2000		250-24803	
	F75_	92	Z18XE		09.2000->06.2005		250-24733	250-24400
2.0		147	Z20LER		07.2005->up		250-24648	250-24738
		177	Z20LEH		01.2006->up		250-24648	250-24738
2.0 OPC	F75_	141	Z20LET		09.2001->06.2005		250-24648	250-24738
	F75_	147	Z20LET		11.2002->06.2005		250-24648	250-24738
2.2	A05	110	Z16LET		03.2006->up		250-24612	250-24853
2.2 16V	F75_	108	Z22SE		09.2000->06.2005		250-24706	250-24731
ZAFIRA B								
1.6 CNG	A05	69	Z16YNG		01.2006->up			250-24845
1.8	A05	103	Z18 XER		07.2005->up			250-24984
PEUGEOT								
106 I								
1.0	1A, 1C	33	CDY,CDZ<TU9M>		06.1992->06.1995		250-24579	
	1A, 1C	33	CDY,CDZ<TU9M>		06.1995->03.1996		250-24536	
	1A, 1C	37	CDZ(TU9M)		06.1992->06.1995		250-24579	
	1A, 1C	37	CDZ(TU9M)		06.1995->04.1996		250-24536	
1.1	1A, 1C	44	HDZ(TU1M)		09.1991->06.1995		250-24579	
	1A, 1C	44	HDZ(TU1M)		07.1995->03.1996		250-24536	
1.3	1A, 1C	72	MFZ<TU2J2>		10.1993->06.1995		250-24579	
	1A, 1C	72	MFZ<TU2J2>		06.1995->03.1996		250-24536	
1.4	1A, 1C	55	KDX(TU3MC)		06.1993->06.1995		250-24579	
	1A, 1C	55	KDX(TU3MC)		06.1995->03.1996		250-24536	
	1A, 1C	55	KDY(TU3M)		06.1993->06.1995		250-24579	
	1A, 1C	55	KDY(TU3M)		06.1995->03.1996		250-24536	
	1A, 1C	69	K6B(TU3J2,K)		09.1991->06.1995		250-24185	
	1A, 1C	69	K6B(TU3J2,K)		06.1995->03.1996		250-24936	
	1A, 1C	69	KFZ(TU3J2,Z)		09.1991->06.1995		250-24579	
	1A, 1C	69	KFZ(TU3J2,Z)		06.1995->03.1996		250-24536	
1.6	1A, 1C	65	NFZ(TU5JP)		06.1993->06.1995		250-24579	
	1A, 1C	65	NFZ(TU5JP)		06.1995->03.1996		250-24536	
	1A, 1C	76	NFY(TU5J2)		01.1994->06.1995		250-24579	
	1A, 1C	76	NFY(TU5J2)		06.1995->03.1996		250-24536	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PEUGEOT (cont'd)								
106 II								
1.0i	1	33	CDY(TU9M)		05.1996->07.2003		250-24536	
	1	37	CDZ(TU9M)		01.1997->07.2003		250-24536	
1.1i	1	40	HDY(TU1M)		01.1997->07.2003		250-24536	
	1	44	HDZ<TU1M>		05.1996->07.2003		250-24536	
	1	44	HFX<TU1JP>		09.2000->07.2003		250-24841	250-24841
1.4i	1	55	KFW<TU3JP>		05.1998->07.2003		250-241064	250-24841
	1	55	KFX<TU3JP>		05.1997->07.2003		250-24536	
	1	55	KFX<TU3JP>		01.1999->07.2003		250-24665	
1.6i	1	65	NFZ(TU5JP)		05.1996->07.2003		250-24536	
	1	74	NFW<TU5J2>		05.1996->05.2005		250-24536	
1.6 S16	1	87	NFX(TU5J4)	L4 Emissions	05.1996->10.1999		250-24178	
	1	87	NFX(TU5J4)	L4 Emissions	05.1996->07.2003		250-24841	
107								
1.0		50	1KR(384F)		06.2005->up		250-24710	250-24901
205 I								
1.4	741A/C	44	150D(XY7)		02.1983->10.1987		250-23047	
	741A/C	44	150G(XY7)		02.1983->10.1987		250-23047	
1.6	741A/C	53	B1E(XU51C)		03.1987->10.1987		250-23047	
	741A/C	55	BAZ(XU5CP)		08.1986->10.1987		250-23047	
1.9 GTI	741A/C	75	DFZ(XU9J1)		03.1987->10.1987		250-23047	
205 I CABRIOLET								
1.1 CJ	741B, 20D	44	HDZ(TU1M)		06.1990->12.1994		250-24545	
1.4 CJ CAT	741B, 20D	44	KAY(TU3CP)		01.1989->10.1990		250-23047	
1.4 CJ	741B, 20D	55	KDZ(TU3M)		05.1991->12.1994		250-24545	
	741B, 20D	55	KDY(TU3M)		05.1991->12.1994		250-24545	
1.6 CJ	741B, 20D	65	BDY<XU5M,Z>		08.1992->12.1994		250-24545	
1.9 CTI	741B, 20D	75	DFZ(XU9J1)		10.1987->06.1990		250-23047	
	741B, 20D	92	DKZ<XU9JAZ>		08.1990->07.1992		250-24545	
205 II								
1.0	20A/C	33	CDY<TU9M,TU9L>		08.1989->09.1998		250-24545	
1.1	20A/C	44	HDZ(TU1M)		08.1989->09.1998		250-24545	
1.4	20A/C	55	KDY<TU3M>		08.1988->09.1998		250-24545	
	20A/C	55	KDZ<TU3M>		08.1988->09.1998		250-24545	
1.4 CAT	20A/C	44	KAY(TU3CP)		10.1987->10.1990		250-23047	
1.6 Aut.	20A/C	65	BDY<XU5M,Z>		06.1990->09.1998		250-24545	
1.9 GTI CAT	20A/C	75	DFZ(XU9J1)		10.1987->07.1994		250-23047	
1.9 GTI	20A/C	88	DKZ(XU9JAZ)		08.1989->10.1994		250-24545	
	20A/C	94	D6B(XU9JA(G-KAT))		10.1987->09.1998		250-24545	
206 CC								
1.6 16V	2D	80	NFU(TU5JP4)		02.2001->up		250-24841	250-24841
	2D	80	NFU(TU5JP4)	Euro 4 (D4)	02.2001->up		250-24665	250-24841
2.0 S16	2D	100	RFN(EW10J4)		10.2000->05.2003		250-24841	250-24410
	2D	100	RFN(EW10J4)		05.2003->up		250-24748	250-24410
206 HATCHBACK								
1.1i	2A/C, T3E	44	HFY<TU1JP>	L3 Emissions	09.1998->10.2005		250-24536	
	2A/C, T3E	44	HFZ<TU1JP>	L3 Emissions	09.1998->10.2005		250-24536	
	2A/C, T3E	44	HFX<TU1JP>		09.2000->10.2005		250-24841	250-24841
	2A/C, T3E	44	HFX<TU1JP>	L4 Emissions	10.2005->up		250-24665	
1.4i	2A/C, T3E	55	K6C<TU3JP>		09.1998->up		250-24936	
	2A/C, T3E	55	KFX<TU3JP>	Euro 4 (D4)	09.1998->up		250-24178	250-24841
	2A/C, T3E	55	KFX<TU3JP>	L3 Emissions	09.1998->up		250-24536	250-24841
	2A/C, T3E	55	KFW<TU3JP>	L4 Emissions	09.2000->up		250-24178	250-24841
	2A/C, T3E	55	KFW<TU3A>	L5 Emissions	05.2001->up		250-24972	
1.4 16V	2A/C, T3E	65	KFU(ET3J4)		10.2003->05.2006		250-24665	250-24841
1.6i	2A/C, T3E	65	NFZ(TU5JP)		09.1998->12.2000		250-24665	
1.6 16V	2A/C, T3E	80	NFU(TU5JP4)		12.2000->up		250-24841	250-24841
	2A/C, T3E	80	NFU(TU5JP4)	L5 Emissions	10.2005->up		250-24665	
2.0 S16	2A/C, T3E	99	RFR(DEW10J4)		04.1999->08.2000		250-24841	250-24410
	2A/C, T3E	100	RFN(EW10J4)	Motorized Throttle	05.2003->10.2005		250-24748	250-24410
	2A/C, T3E	100	RFN(EW10J4)		10.2000->10.2005		250-24841	250-24410
2.0 RC	2A/C, T3E	130	RFK(EW10J4S)		07.2003->up		250-24748	250-24410
206 SALOON								
1.4		55	KFW<TU3A>		03.2007->up		250-24972	250-24841
1.6 16V		80	NFU(TU5JP4)		03.2007->up		250-24841	250-24841
206 SW								
1.1	2E/K	44	HFX(TU1JP)		07.2002->10.2005		250-24841	250-24841
	2E/K	44	HFX(TU1JP)	L5 Emissions	10.2005->up		250-24665	
1.4	2E/K	55	KFW(TU3JP)		07.2002->up		250-24178	250-24841
	2E/K	55	KFW<TU3A>	L5 Emissions	10.2005->up		250-24972	250-24841
1.4 16V	2E/K	65	KFU(ET3J4)		10.2003->05.2006		250-24665	250-24841



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PEUGEOT (cont'd)								
206 SW (cont'd)								
1.6 16V	2E/K	80	NFU(TU5JP4)		07.2002->up		250-24841	250-24841
	2E/K	80	NFU(TU5JP4)	L5 Emissions	10.2005->up		250-24665	
2.0 16V	2E/K	100	RFN(EW10J4)	Motorized Throttle	05.2003->10.2005		250-24748	250-24410
	2E/K	100	RFN(EW10J4)		07.2002->10.2005		250-24841	250-24410
206 +								
1.1	T3E	44	TU1A, TU1AE5		01.2009->up		250-24972	
1.4 i	T3E	54	TU3AE5		09.2010->up		250-24972	
	T3E	55	TU3A		01.2009->up		250-24972	
207								
1.4	WA_, WC_	53	KFV<TU3A>	L5 Emissions	03.2006->up		250-24972	250-24841
1.4 16V	WA_, WC_	65	KFU(ET3J4)		03.2006->up		250-24665	250-24841
	WA_, WC_	70	EP3		07.2007->up		250-25044	
1.6 16V	WA_, WC_	80	NFU(TU5JP4)		03.2006->up		250-24665	250-24841
1.6 16V VTI	WA_, WC_	88	EP6		02.2007->up		250-25044	
1.6 16V Turbo	WA_, WC_	110	EP6DT		02.2006->up		250-25044	
1.6 16V RC	WA_, WC_	128	5FY(EP6DTS)		04.2007->up		250-25044	
207 CC								
1.6 16V	WD_	88	EP6		07.2007->up		250-25044	
1.6 16V Turbo	WD_	110	EP6DT		02.2007->up		250-25044	
207 SW								
1.4	WK_	54	KFV(TU3A)	L5 Emissions	02.2007->up		250-24972	250-24841
1.4 16V	WK_	70	EP3		09.2007->up		250-25044	
1.6 16V	WK_	88	EP6		07.2007->up		250-25044	
1.6 16V RC	WK_	128	5FY(EP6DTS)		02.2007->up		250-25044	
305 II								
1.6	581M	54	BAZ(XU5CP)		11.1986->12.1988		250-23047	
1.9	581M	72	DFZ(XU9J1)		11.1986->12.1988		250-23047	
305 II BREAK								
1.6	581E	54	BAZ(XU5CP)		11.1986->12.1988		250-23047	
1.9	581E	72	DFZ(XU9J1)		11.1986->12.1988		250-23047	
306								
1.1	7B, N3, N5	44	HDZ(TU1M)		09.1994->02.1995		250-24579	
	7B, N3, N5	44	HDZ(TU1M)		02.1995->02.1997		250-24536	
1.4 SL	7B, N3, N5	55	KDX<TU3MC>		08.1994->02.1995		250-24579	
	7B, N3, N5	55	KDX<TU3MC>	L3 Emissions	02.1995->05.2001		250-24536	
	7B, N3, N5	55	KFX<TU3JP>	L3 Emissions	02.1995->05.2001		250-24536	
	7B, N3, N5	55	KFW<TU3JP>	L4 Emissions	05.2000->05.2001		250-241064	250-24841
1.6	7B, N3, N5	72	NFT<TU5JP>		10.2000->05.2001		250-24841	250-24841
	7B, N3, N5	55	KFX<TU3JP>		09.1998->05.2001		250-24665	250-24748
1.6 SR	7B, N3, N5	65	NFZ(TU5JP)		08.1994->02.1995		250-24579	
	7B, N3, N5	65	NFZ(TU5JP)		02.1995->05.1998		250-24536	
	7B, N3, N5	65	NFZ(TU5JP)		06.1998->10.2000		250-24665	
1.8 ST	7B, N3, N5	74	LFZ(XU7JP)		08.1994->02.1995		250-24184	
	7B, N3, N5	74	LFZ(XU7JP)		02.1995->05.2001		250-24178	
1.8 16V	7B, N3, N5	81	LFY(XU7JP4)	L3 Emissions	03.1997->05.2001		250-24178	
	7B, N3, N5	81	LFY(XU7JP4)	Euro 4 (D4)	01.2000->05.2001		250-24841	250-24410
2.0	7B, N3, N5	97	RFV(XU10J4R)		03.1997->05.2001		250-24178	
2.0 ST	7B, N3, N5	89	RFX(XU10J2)		08.1994->02.1995		250-24184	
	7B, N3, N5	89	RFX(XU10J2)		02.1995->02.1997		250-24178	
2.0 S16	7B, N3, N5	110	RFT(XU10J4)		07.1994->02.1995		250-24184	
	7B, N3, N5	110	RFT(XU10J4)		02.1995->02.1997		250-24178	
	7B, N3, N5	112	RFY(XU10J4Z)		02.1995->02.1997		250-24178	
	7B, N3, N5	112	RFY(XU10J4Z)		06.1994->02.1995		250-24184	
	7B, N3, N5	112	RFY(XU10J4Z)		03.1995->04.1997		250-24546	
306 BREAK								
1.4	7E, N3, N5	55	KFX<TU3JP>	Euro 4 (D4)	05.1998->03.2002		250-24665	250-24748
	7E, N3, N5	55	KFX<TU3JP>	L3 Emissions	04.1997->03.2002		250-24536	
	7E, N3, N5	55	KFW<TU3JP>	L4 Emissions	05.2000->03.2002		250-241064	250-24841
1.6	7E, N3, N5	65	NFZ(TU5JP)		04.1997->05.1998		250-24536	
	7E, N3, N5	65	NFZ(TU5JP)		06.1998->10.2000		250-24665	
	7E, N3, N5	72	NFT<TU5JP>		10.2000->03.2002		250-24841	250-24841
1.8	7E, N3, N5	74	LFZ(XU7JP)		04.1997->03.2002		250-24178	
1.8 16V	7E, N3, N5	81	LFY(XU7JP4)		04.1997->03.2002		250-24178	
	7E, N3, N5	81	LFY(XU7JP4)		01.2000->03.2002		250-24841	250-24410
2.0	7E, N3, N5	97	RFV(XU10J4R)		04.1997->03.2002		250-24178	
306 CABRIOLET								
1.6	7D, N3, N5	65	NFZ(TU5JP)		04.1996->05.1998		250-24536	
	7D, N3, N5	65	NFZ(TU5JP)		06.1998->10.2000		250-24665	
	7D, N3, N5	72	NFT<TU5JP>		10.2000->04.2002		250-24841	250-24841



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PEUGEOT (cont'd)								
306 CABRIOLET (cont'd)								
1.8	7D, N3, N5	74	LFZ(XU7JP)		03.1994->02.1995		250-24184	
	7D, N3, N5	74	LFZ(XU7JP)		02.1995->04.2002		250-24178	
1.8 16V	7D, N3, N5	81	LFY(XU7JP4)		07.2000->04.2002		250-24178	
2.0	7D, N3, N5	89	RFX,R6D<XU10J2>		03.1994->02.1995		250-24184	
	7D, N3, N5	89	RFX,R6D<XU10J2>		02.1995->02.1997		250-24178	
2.0 16V	7D, N3, N5	97	RFV(XU10J4R)		03.1997->04.2002		250-24178	
306 HATCHBACK								
1.1	7A, 7C, N3, N5	44	HDY,HDZ<TU1M>		05.1993->02.1995		250-24579	
	7A, 7C, N3, N5	44	HDY,HDZ<TU1M>		02.1995->02.1997		250-24536	
1.4	7A, 7C, N3, N5	55	KDX<TU3MC>		05.1993->02.1995		250-24579	
	7A, 7C, N3, N5	55	KDX<TU3MC>		02.1995->05.1998		250-24536	
	7A, 7C, N3, N5	55	KFX<TU3JP>	L3 Emissions	02.1995->05.1998		250-24536	
	7A, 7C, N3, N5	55	KFW<TU3JP>	L4 Emissions	05.2000->05.2001		250-241064	250-24841
1.6	7A, 7C, N3, N5	65	NFZ(TU5JP)		05.1993->02.1995		250-24579	
	7A, 7C, N3, N5	65	NFZ(TU5JP)		02.1995->05.1998		250-24536	
	7A, 7C, N3, N5	65	NFZ(TU5JP)		06.1998->10.2000		250-24665	
	7A, 7C, N3, N5	72	NFT<TU5JP>		10.2000->05.2001		250-24841	250-24841
1.8	7A, 7C, N3, N5	74	LFZ(XU7JP)		06.1993->02.1995		250-24184	
	7A, 7C, N3, N5	74	LFZ(XU7JP)		02.1995->05.2001		250-24178	
1.8 16V	7A, 7C, N3, N5	81	LFY(XU7JP4)	L3 Emissions	03.1997->05.2001		250-24178	
	7A, 7C, N3, N5	81	LFY(XU7JP4)	Euro 4 (D4)	01.2000->05.2001		250-24841	250-24410
2.0 XSi	7A, 7C, N3, N5	89	RFX,R6D<XU10J2>		06.1993->02.1995		250-24184	
	7A, 7C, N3, N5	89	RFX,R6D<XU10J2>		02.1995->02.1997		250-24178	
2.0 16V	7A, 7C, N3, N5	97	RFV(XU10J4R)		03.1997->05.2001		250-24178	
2.0 S16	7A, 7C, N3, N5	110	RFT(XU10J4)		07.1994->02.1995		250-24184	
	7A, 7C, N3, N5	110	RFT(XU10J4)		02.1995->02.1997		250-24178	
	7A, 7C, N3, N5	112	RFY(XU10J4Z)		09.1993->02.1995		250-24184	
	7A, 7C, N3, N5	112	RFY(XU10J4Z)		02.1995->02.1997		250-24178	
	7A, 7C, N3, N5	120	RFS(XU10J4RS)		03.1996->02.1997		250-24527	
	7A, 7C, N3, N5	120	RFS(XU10J4RS)		03.1997->05.2001		250-24178	
307								
1.4	3A/C	55	KFW,K6D<TU3JP>	L4 Emissions	09.2001->06.2005		250-241064	250-24841
1.4 16V	3A/C	65	KFU(ET3J4)		11.2003->up		250-24665	250-24841
1.6 16V	3A/C	80	N6A<TU5JP4>		03.2001->06.2005		250-24178	
	3A/C	80	NFU(TU5JP4)	L4 Emissions	01.2005->06.2005		250-24665	250-24841
	3A/C	80	NFU(TU5JP4)	L5 Emissions	06.2005->up		250-24665	250-24841
2.0 16V	3A/C	100	RFN(EW10J4)		03.2001->06.2005		250-24748	250-24410
	3A/C	130	RFK(EW10J4S)		06.2005->up		250-24748	250-24410
307 BREAK								
1.4	3E	55	TU3JP		04.2002->09.2003		250-241064	250-24841
1.4 16V	3E	65	KFU(ET3J4)		11.2003->up		250-24665	250-24841
1.6 16V	3E	80	NFU(TU5JP4)	L4 Emissions	03.2002->up		250-24665	250-24841
	3E	80	NFU(TU5JP4)	L5 Emissions	01.2005->up		250-24665	250-24841
1.6 BioFlex	3E	80	TU5JP4		09.2007->up		250-24665	250-24841
2.0	3E	100	RFN(EW10J4)		03.2002->06.2005		250-24748	250-24410
307 CC								
1.6 16V	3B	80	NFU(TU5JP4)		03.2005->up		250-24665	250-24841
2.0 16V	3B	100	RFN(EW10J4)		10.2003->03.2005		250-24748	250-24410
	3B	130	RFK(EW10J4S)		10.2003->up		250-24748	250-24410
307 SW								
1.6 16V	3H	80	NFU(TU5JP4)	L4 Emissions	03.2002->up		250-24665	250-24841
	3H	80	NFU(TU5JP4)	L5 Emissions	01.2005->up		250-24665	250-24841
1.6 BioFlex	3H	80	TU5JP4		09.2007->up		250-24665	250-24841
2.0 16V	3H	100	RFN(EW10J4)		03.2002->06.2005		250-24748	250-24410
308								
1.4 16V	4A_, 4C_	70	EP3		09.2007->up		250-25044	
1.6 16V	4A_, 4C_	88	EP6		09.2007->up		250-25044	
	4A_, 4C_	110	EP6DT		09.2007->up		250-25044	
	4A_, 4C_	128	EP6DTS		05.2008->up		250-25044	
308 CC								
1.6 16V		110	EP6DT		06.2009->up		250-25044	
308 SW								
1.4 16V		70	8FS(EP3)		05.2008->up		250-25044	
1.6 16V		88	EP6		05.2008->up		250-25044	
		110	EP6DT		05.2008->up		250-25044	
		128	5FY(EP6DTS)		05.2008->up		250-25044	
309 I								
1.4	10C, 10A	55	KDZ(TU3M)		03.1989->07.1989		250-24545	
1.6	10C, 10A	53	B1E(XU51C)		08.1987->06.1988		250-23047	
1.6 CAT	10C, 10A	55	BAZ(XU5CP)		09.1986->06.1988		250-23047	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PEUGEOT (cont'd)								
309 I (cont'd)								
1.9	10C, 10A	72	DFZ(XU9J1)		03.1986->07.1989		250-23047	
	10C, 10A	80	DDZ(XU9M)		07.1988->07.1989		250-24545	
1.9 GTI	10C, 10A	88	DKZ(XU9JAZ)		07.1988->07.1989		250-24545	
309 II								
1.1	3C, 3A	44	HDZ(TU1M)		08.1990->08.1993		250-24545	
1.4	3C, 3A	55	KDY<TU3M,L>		08.1990->08.1993		250-24545	
1.6	3C, 3A	65	BDY(XU5M2Z)		08.1989->08.1993		250-24545	
	3C, 3A	65	BDZ(XU5M)		08.1989->08.1993		250-24545	
	3C, 3A	65	BDY(XU5M3Z)		08.1989->08.1993		250-24545	
1.9	3C, 3A	72	DFZ(XU9J1)		08.1989->12.1993		250-23047	
	3C, 3A	80	DDZ(XU9M)		10.1990->08.1993		250-24545	
1.9 GTI	3C, 3A	88	DKZ(XU9JAZ)		08.1990->08.1993		250-24545	
1.9 GTI 16V	3C, 3A	108	DFW(XU9J4Z)		10.1990->08.1993		250-24545	
	3C, 3A	116	D6C(XU9J4)		08.1989->07.1990		250-24545	
405 I								
1.6	15B	65	BDY(XU5M2Z)		09.1990->12.1992		250-24545	
	15B	66	BDZ(XU5M)		06.1990->06.1992		250-24030	
1.9	15B	70	D6A<XU9J2,K>	To Eng. No. 08457340	07.1987->12.1992		250-24545	
	15B	70	D6A<XU9J2,K>	Fr. Eng. No. 08457340	07.1987->06.1992		250-24030	
	15B	80	DDZ(XU9M)	To Eng. No. 08457340	07.1988->12.1992		250-24545	
	15B	80	DDZ(XU9M)	Fr. Eng. No. 08457340	07.1988->12.1992		250-24030	
	15B	88	DKZ(XU9JAZ)	To Eng. No. 08457340	07.1988->12.1992		250-24545	
	15B	88	DKZ(XU9JAZ)	Fr. Eng. No. 08457340	07.1988->06.1992		250-24030	
	15B	93			01.1989->12.1992		250-24030	
1.9 4x4	15B	80	DDZ(XU9M)	To Eng. No. 08457340	07.1988->12.1992		250-24545	
	15B	80	DDZ(XU9M)	Fr. Eng. No. 08457340	06.1989->12.1992		250-24030	
1.9 Injection	15B	77	DFZ(XU9J1)		07.1987->06.1992		250-23047	
1.9 Sport MI-16	15B	108	DFW(XU9J4Z)	To Eng. No. 08457340	05.1989->12.1992		250-24545	
	15B	108	DFW(XU9J4Z)	Fr. Eng. No. 08457340	04.1988->06.1992		250-24030	
	15B	116	D6C<XU9J4,K>	To Eng. No. 08457340	07.1987->11.1991		250-24545	
	15B	116	D6C<XU9J4,K>	Fr. Eng. No. 08457340	07.1987->11.1991		250-24030	
	15B	116	DFW<XU9J4,Z>	To Eng. No. 08457340	07.1987->11.1991		250-24545	
	15B	116	DFW<XU9J4,Z>	Fr. Eng. No. 08457340	07.1987->11.1991		250-24030	
1.9 Sport MI-16 4x4	15B	108	DFW(XU9J4Z)	To Eng. No. 08457340	03.1989->12.1992		250-24545	
	15B	108	DFW(XU9J4Z)	Fr. Eng. No. 08457340	04.1988->06.1992		250-24030	
405 I BREAK								
1.6	15E	65	BDZ<XU5M>		06.1990->06.1992		250-24030	
1.9	15E	70	D6A<XU9J2,K>	To Eng. No. 08457340	10.1988->06.1992		250-24545	
	15E	70	D6A<XU9J2,K>	Fr. Eng. No. 08457340	10.1988->06.1992		250-24030	
	15E	77	DFZ(XU9J1)		10.1988->06.1992		250-23047	
	15E	80	DDZ(XU9M)	To Eng. No. 08457340	10.1988->06.1992		250-24545	
	15E	80	DDZ(XU9M)	Fr. Eng. No. 08457340	10.1988->06.1992		250-24030	
	15B	88	DKZ(XU9JAZ)	To Eng. No. 08457340	07.1988->12.1992		250-24545	
	15B	88	DKZ(XU9JAZ)	Fr. Eng. No. 08457340	07.1988->06.1992		250-24030	
1.9 4x4	15E	80	DDZ(XU9M)	To Eng. No. 08457340	10.1988->06.1992		250-24545	
	15E	80	DDZ(XU9M)	Fr. Eng. No. 08457340	10.1988->06.1992		250-24030	
405 II								
1.4	4B	55	KDX(TU3MC)		08.1992->10.1995		250-24184	
1.6	4B	65	BDY(XU5MZ)		07.1995->10.1995		250-24527	
	4B	65	BDY<XU5M,Z>		08.1992->06.1995		250-24184	
1.8	4B	74	L6A<XU7JPPR>		08.1992->06.1995		250-24184	
	4B	74	L6A<XU7JPPR>		06.1995->10.1995		250-24527	
	4B	74	LFZ<XU7JP>		08.1992->06.1995		250-24184	
	4B	74	LFZ<XU7JP>		06.1995->10.1995		250-24527	
2.0	4B	89	RFX(XU10J2)		08.1992->06.1995		250-24184	
	4B	89	RFX(XU10J2)		06.1995->10.1995		250-24527	
2.0 X4	4B	89	RFX(XU10J2)		08.1992->06.1995		250-24184	
	4B	89	RFX(XU10J2)		06.1995->10.1995		250-24527	
2.0 16V	4B	110	RFT(XU10J4)		06.1994->06.1995		250-24184	
	4B	110	RFT(XU10J4)		07.1995->10.1995		250-24527	
2.0 MI-16	4B	112	RFY(XU10J4Z)		08.1992->06.1995		250-24184	
	4B	112	RFY(XU10J4Z)		06.1995->10.1995		250-24527	
2.0 T 16 X4	4B	144	RGZ(XU10J4TE,Z)		08.1992->06.1995		250-24184	
	4B	144	RGZ(XU10J4TE,Z)		06.1995->10.1995		250-24527	
405 II BREAK								
1.4	4E	55	KDX(TU3MC)		08.1992->10.1996		250-24184	
1.6	4E	65	BDY<XU5M>		08.1992->06.1995		250-24184	
	4E	65	BDY<XU5M>		06.1995->10.1995		250-24527	
1.8	4E	74	L6A<XU7JPPR>		08.1992->06.1995		250-24184	
	4E	74	L6A<XU7JPPR>		06.1995->10.1995		250-24527	
	4E	74	LFZ<XU7JP>		08.1992->06.1995		250-24184	
	4E	74	LFZ<XU7JP>		06.1995->10.1995		250-24527	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PEUGEOT (cont'd)								
405 II BREAK (cont'd)								
2.0	4E	89	R6D<XU10J2C>		08.1992->06.1995		250-24184	
	4E	89	R6D<XU10J2C>		06.1995->10.1995		250-24527	
	4E	89	RFX<XU10J2>		08.1992->06.1995		250-24184	
	4E	89	RFX<XU10J2>		06.1995->10.1995		250-24527	
2.0 4x4	4E	89	RFX(XU10J2)		08.1992->06.1995		250-24184	
	4E	89	RFX(XU10J2)		06.1995->10.1995		250-24527	
406								
1.6	8B	65	BFZ(XU5JP)		11.1995->03.1996		250-24178	
	8B	65	BFZ(XU5JP)		04.1996->03.2004		250-24536	
1.8	8B	66	LFY(XU7JB)		05.1997->03.2004		250-24536	
1.8 16V	8B	81	LFY(XU7JP4)		11.1995->03.1996		250-24178	
	8B	81	LFY(XU7JP4)		04.1999->03.1999		250-24536	
	8B	81	LFY(XU7JP4)		04.1999->10.2000		250-24536	
	8B	81	LFY(XU7JP4)		06.1999->10.2000		250-24665	250-24410
	8B	85	6FZ(EW7J4)		10.2000->03.2004		250-241064	250-24921
	8B	85	6FZ(EW7J4)		10.2000->03.2004		250-241064	250-24921
2.0 16V	8B	97	RFV(XU10J4R)		11.1995->03.1999		250-24527	
	8B	99	RFR(DEW10J4)		06.1999->08.2000		250-24748	
	8B	99	RFR(DEW10J4)		04.1999->08.2000		250-24841	250-24410
	8B	100	RFN(EW10J4)		08.2000->up		250-24841	250-24748
2.0 16V HPI	8B	100	RFV<XU10J4R>		08.2000->03.2004		250-24527	250-24410
	8B	103	RLZ(EW10D)		10.2001->03.2004		250-24527	
2.0 Turbo	8B	108	RGX(XU10J2TE)		07.1996->03.1999		250-24178	
2.2	8B	116	3FZ(EW12J4)		07.2000->03.2004		250-24748	250-24410
3.0 24V	8B	140	XFZ(ES9J4)		10.1996->12.1999		250-24178	
3.0 V6	8B	152	XFZ(ES9J4S)		03.2000->12.2000	Left	250-24841	250-24841
	8B	152	XFZ(ES9J4S)		03.2000->12.2000	Right	250-24665	250-24841
	8B	152	XFZ(ES9J4S)		01.2001->03.2004	Left	250-24841	250-24841
	8B	152	XFZ(ES9J4S)		01.2001->03.2004	Right	250-24841	250-24841
406 BREAK								
1.8	8E/F	66	LFY(XU7JB)		05.1997->04.2004		250-24536	
1.8 16V	8E/F	81	LFY(XU7JP4)	L3 Emissions	11.1996->10.2000		250-24536	
	8E/F	81	LFY(XU7JP4)		06.1999->10.2000		250-24665	250-24410
	8E/F	85	6FZ(EW7J4)		10.2000->04.2004		250-241064	250-24921
2.0 16V	8E/F	97	RFV,R6E<XU10J4R>		11.1996->04.2004		250-24527	
	8E/F	99	RFR(DEW10J4)	Belgium & Germany	06.1999->10.2000		250-24748	250-24410
	8E/F	99	RFR(DEW10J4)		04.1999->08.2000		250-24841	
	8E/F	100	RFN(EW10J4)	L4 Emissions	10.2000->04.2004		250-24748	250-24410
	8E/F	100	RFN(EW10J4)		10.2001->04.2004		250-24178	250-24527
2.0 16V HPI	8E/F	103	RLZ(EW10D)		10.2001->04.2004		250-24178	250-24527
2.0 Turbo	8E/F	108	RGX(XU10J2TE)		11.1996->03.1999		250-24178	
2.2	8E/F	116	3FZ(EW12J4)		07.2000->04.2004		250-24748	250-24410
3.0 24V	8E/F	140	XFZ(ES9J4)		11.1996->12.1999		250-24178	
3.0 V6	8E/F	152	XFZ(ES9J4S)		03.2000->12.2000	Left	250-24841	250-24841
	8E/F	152	XFZ(ES9J4S)		03.2000->12.2000	Right	250-24665	250-24841
	8E/F	152	XFZ(ES9J4S)		01.2001->03.2004	Left	250-24841	250-24841
	8E/F	152	XFZ(ES9J4S)		01.2001->03.2004	Right	250-24841	250-24841
406 COUPE								
1.8	8C	82	LFY<XU7JP4>	L3 Emissions	10.1997->03.1999		250-24536	
2.0 16V	8C	97	RFV(XU10J4R)		05.1997->03.1999		250-24527	
	8C	99	RFR(DEW10J4)	Belgium & Germany	06.1999->10.2000		250-24748	250-24410
	8C	99	RFR(DEW10J4)		04.1999->08.2000		250-24841	
	8C	100	RFN(EW10J4)	L4 Emissions	10.2000->04.2004		250-24748	250-24410
2.2	8C	116	3FZ(EW12J4)		03.2002->10.2004		250-24748	250-24410
3.0 V6 24V	8C	140	XFZ(ES9J4)		05.1997->12.1999		250-24178	
3.0 V6	8C	152	XFZ(ES9J4S)		03.2000->12.2000	Left	250-24841	250-24841
	8C	152	XFZ(ES9J4S)		03.2000->12.2000	Right	250-24665	250-24841
	8C	152	XFZ(ES9J4S)		01.2001->03.2004	Left	250-24841	250-24841
	8C	152	XFZ(ES9J4S)		01.2001->03.2004	Right	250-24841	250-24841
407								
1.8	6D_	85	6FZ(EW7J4)		05.2004->10.2005		250-241058	250-24921
2.0	6D_	100	RFN(EW10J4)		05.2004->10.2005		250-24748	250-24596
2.2	6D_	116	3FZ(EW12J4)		05.2004->10.2005		250-24748	250-24596
2.2 HDi 170	6D_	125	4HT(DW12BTD4)		05.2006->07.2007			800-95003
3.0	6D_	155	XFV(ES9A)		05.2004->up	Left	250-24841	250-24841
	6D_	155	XFV(ES9A)		05.2004->up	Right	250-24841	250-24841
407 COUPE								
3.0 V6	6C_	155	XFV(ES9A)		10.2005->up	Left	250-24841	250-24841
	6C_	155	XFV(ES9A)		10.2005->up	Right	250-24841	250-24841
407 SW								
1.8	6E_	85	6FZ(EW7J4)		05.2004->10.2005		250-241058	250-24921
2.0	6E_	100	RFN(EW10J4)		05.2004->10.2005		250-24748	250-24596
2.2	6E_	116	3FZ(EW12J4)		05.2004->10.2005		250-24748	250-24596



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PEUGEOT (cont'd)								
407 SW (cont'd)								
2.2 HDi 170	6E_	125	4HT(DW12BTED4)		05.2006->07.2007			800-95003
3.0	6E_	155	XFV(ES9A)		05.2004->up	Left	250-24841	250-24841
	6E_	155	XFV(ES9A)		05.2004->up	Right	250-24841	250-24841
502								
1.8		71	L4A	OE# 1629S1	01.80->11.80		250-21011	
		71	L4A	OE# 16293T	12.80->06.81		250-21015	
		71	L4A	OE# 162907	07.81->12.81		250-21013	
		71	L4A	OE# 1630L7	01.81->08.82		250-21011	
		71	L4A	OE# 16307E	09.82->01.83		250-21013	
		71	L4A	OE# 1630N6	02.83->12.83		250-21015	
2.0		106	L4B	OE# 1630F9	01.80->11.80		250-21013	
		106	L4B	OE# 16304R	12.80->06.81		250-21011	
		106	L4B	OE# 163108	01.84->07.84		250-21011	
		106	L4B	OE# 16311M	08.84->12.84		250-21015	
504								
2.2		114	L4C	OE# 1631W7	07.81->12.81		250-21013	
		114	L4C	OE# 16314A	01.82->08.82		250-21011	
		114	L4C	OE# 1631L5	09.82->01.83		250-21013	
		114	L4C	OE# 16310K	02.83->12.83		250-21015	
		114	L4C	OE# 1632E4	01.84->07.84		250-21013	
		114	L4C	OE# 16327R	08.84->12.84		250-21011	
505								
2.0	551A	71	106(XN1)		11.1980->12.1985		250-23047	
2.2	551A	84	851X(ZDJL)		03.1986->12.1993		250-23047	
2.8 GTI V6	551A	105	154X(ZN3J)		06.1986->12.1993		250-23047	
2.2 Turbo Injection	551A	110	176X(N9TE)		01.1986->06.1986		250-23032	
	551A	110	176X(N9TE)		07.1986->12.1987		250-23047	
	551A	114	176B(N9TE)		03.1984->10.1988		250-23047	
	551A	128	176W(N9TEA)		06.1987->12.1988		250-23047	
505 BREAK								
2.2	551D	84	851X(ZDJL)		03.1986->12.1993		250-23047	
605								
2.0	6B	79	RDZ<XU10M,Z>		09.1990->06.1994		250-24184	
	6B	89	R6A<XU10J2>		07.1994->05.1999		250-24936	
	6B	89	R6A<XU10J2>		10.1989->06.1994		250-24184	
	6B	89	RFZ<XU10J2>		10.1989->06.1994		250-24184	
2.0 16V	6B	97	RFV(XU10J4R)		07.1994->05.1999		250-24936	
2.0 Turbo	6B	104	RGY(XU10J2TE)		09.1992->06.1994		250-24184	
	6B	108	RGX(XU10J2TE)		07.1994->05.1999		250-24936	
3.0	6B	123	SFZ,UFZ<ZPJ>		10.1989->06.1994		250-24184	
	6B	123	UFZ(ZPJ)		07.1994->05.1999		250-24563	
3.0 V6	6B	140	XFZ<ES9J4>		06.1997->05.1999		250-24178	
3.0 SV 24	6B	147	SKZ,UKZ<ZPJ4>		10.1989->06.1994		250-24184	
	6B	147	UKZ(ZPJ4,Z)		07.1994->06.1997	Left	250-24133	
	6B	147	UKZ(ZPJ4,Z)		07.1994->06.1997	Right	250-24563	
607								
2.0	9D, 9U	100	RFN(EW10J4)		05.2000->09.2004		250-24748	250-24410
2.2 16V	9D, 9U	116	3FZ(EW12J4)		05.2000->up		250-24748	250-24410
	9D, 9U	120	EW12J4		01.2006->up		250-24748	250-24410
2.2 HDi	9D, 9U	125	4HT(DW12BTED4)		05.2006->12.2007			800-95003
3.0 V6 24V	9D, 9U	152	XFV(ES9J4S)		05.2000->12.2000	Left	250-24841	250-24841
	9D, 9U	152	XFV(ES9J4S)		05.2000->12.2000	Right	250-24665	250-24841
	9D, 9U	152	XFV(ES9J4S)		01.2001->09.2004	Left	250-24841	250-24841
	9D, 9U	152	XFV(ES9J4S)		01.2001->09.2004	Right	250-24841	250-24841
	9D, 9U	155	XFV(ES9A)		10.2004->up	Left	250-24841	250-24841
	9D, 9U	155	XFV(ES9A)		10.2004->up	Right	250-24841	250-24665
806								
1.8	221	73	LFW(XU7JP)		07.1995->05.2002		250-24936	
2.0	221	89	RFU,R6D<XU10J2>		07.1994->05.2002		250-24936	
2.0 16V	221	97	RFV(XU10J4R)		10.1998->09.2000		250-24936	
	221	100	RFN(EW10J4)		09.2000->05.2002		250-24665	250-24665
2.0 Turbo	221	108	RGX<XU10J2CTE>		07.1994->05.2002		250-24936	
807								
2.0	E	100	RFN(EW10J4)		06.2002->10.2005		250-24665	250-24665
2.2	E	116	3FZ(EW12J4)		06.2002->09.2005		250-24665	250-24665
3.0 V6	E	150	XFV(ES9J4S)	L4 Emissions	06.2002->09.2005	Left	250-24841	250-24841
	E	150	XFV(ES9J4S)	L4 Emissions	06.2002->09.2005	Right	250-24665	250-24665
1007								
1.4	KM_	54	KFV(TU3JP)		04.2005->08.2005		250-241064	250-24841
	KM_	54	KFV<TU3A>		09.2005->up		250-24972	250-24841



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PEUGEOT (cont'd)								
1007 (cont'd)								
1.4 16V	KM_	65	KFU(ET3J4)		01.2006->up		250-24665	250-24841
1.6 16V	KM_	80	NFU(TU5JP4)		04.2005->up		250-24665	250-24841
4007								
2.4 16V	GP_	125	4B12MMC		01.2008->up		250-24751	250-241056
BIPPER								
1.4	AA_	54	KFV<TU3A>	L5 Emissions	02.2008->up		250-24972	250-24841
BIPPER TEPEE								
1.4	AA_	54	KFV<TU3A>	L5 Emissions	02.2008->up		250-24972	250-24841
BOXER BOX								
2.0i	230L	80	RFW(XU10J2)	To Eng. No. 15267330	06.1994->04.2002		250-24184	
	230L	80	RFW(XU10J2)	Fr. Eng. No. 15267331	06.1994->12.2001		250-24936	
2.0	244	81	RFW<XU10J2U>		04.2002->06.2006		250-24841	250-24410
BOXER BUS								
2.0i	230P	80	RFW(XU10J2)	To Eng. No. 15267330	03.1994->04.2002		250-24184	
	230P	80	RFW(XU10J2)	Fr. Eng. No. 15267331	03.1994->12.2001		250-24936	
2.0i 4x4	230P	80	RFW(XU10J2)	To Eng. No. 15267330	07.1997->04.2002		250-24184	
	230P	80	RFW(XU10J2)	Fr. Eng. No. 15267331	08.1996->08.1998		250-24936	
2.0	244, Z_	81	RFW<XU10J2U>		04.2002->06.2006		250-24841	250-24410
3.0 HDi 160		116	F30DT		04.2006->up		250-25095	
BOXER FLATBED/CHASSIS								
2.0i	ZCT_	80	RFW(XU10J2)	To Eng. No. 15267330	06.1994->04.2002		250-24184	
	ZCT_	80	RFW(XU10J2)	Fr. Eng. No. 15267331	06.1994->12.2001		250-24936	
3.0 HDi 175		130	F30DT		04.2006->up		250-25095	
EXPERT								
1.6	224	58	160A		02.1996->12.2003		250-24936	
1.8	224	74	XU7JP		10.1996->09.2000		250-24936	
2.0	224	100	RFN(EW10J4)		09.2002->12.2003		250-24665	250-24665
EXPERT BOX								
1.6	222	58	160A		02.1996->12.2003		250-24936	
1.8	222	74	XU7JP		10.1996->09.2000		250-24936	
2.0	222	100	RFN<EW10J4>		09.2002->12.2003		250-24665	250-24665
EXPERT FLATBED/CHASSIS								
1.6	223	58	160A		02.1996->12.2003		250-24936	
J5 BOX								
2.0	290L	62	XN1TA		09.1990->01.1994		250-23047	
J5 BUS								
2.0	290P	62	170C<XN1TA>		10.1990->02.1994		250-23047	
J5 FLATBED/CHASSIS								
2.0	290L	62	170D(XN1TACP)		10.1990->12.1993		250-23047	
MANAGER BOX								
3.0 HDi 175		130	F30DT		03.2011->up		250-25095	
PARTNER BOX								
1.1	5	44	HDZ<TU1M>		06.1996->11.2002		250-24536	
	5	44	HFX<TU1JP>		01.2001->up		250-24841	250-24841
1.4	5	54	KFV<TU3JP>	L4 Emissions	11.2002->10.2006		250-241064	250-24841
	5	54	KFV<TU3A>	L5 Emissions	09.2005->10.2006		250-24972	250-24841
	5	55	K6C<TU3JP>		01.2000->11.2002		250-24936	
	5	55	KFX(TU3JP),TU32	Euro 4 (D4)	05.1998->11.2002		250-24178	
	5	55	KFX(TU3JP),TU32	L3 Emissions	06.1996->11.2002		250-24536	
	5	55	KFX(TU3JP),TU32	L4 Emissions	05.1998->11.2002		250-24841	250-24841
1.4 BiFuel	5	55	KFW(TU3JP)		04.2003->up		250-241064	250-24841
1.6		66	TU5JP4B		05.2008->up		250-24665	250-24841
		80	NFU<TU5JP4>		04.2008->up		250-24841	250-24841
PARTNER COMBISPACE								
1.1	5F	44	HDZ<TU1M>		06.1996->11.2002		250-24536	
1.4	5F	54	KFV<TU3A>	L5 Emissions	09.2005->10.2006		250-24972	250-24841
	5F	55	K6C<TU3JP>		01.2000->11.2002		250-24936	
	5F	55	KFV<TU3JP>	L4, L5 Emissions	09.2000->up		250-241064	250-24841
	5F	55	KFX<TU3JP>	L3 Emissions	06.1996->11.2002		250-24536	
1.6 16V	5F	80	NFU(TU5JP4)	7.200	07.2001->12.2005		250-24841	250-24841
	5F	80	NFU(TU5JP4)	12.201	12.2005->up		250-24665	250-24841
1.8	5F	66	LFX(XU7JB)		05.1997->11.2002		250-24178	
PARTNER TEPEE								
1.6		66	TU5JP4B	L5 Emissions	05.2008->up		250-24665	250-24841
		80	TU5JP4	L5 Emissions	05.2008->up		250-24665	250-24841



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PININFARINA								
SPIDER EUROPA								
2000	DS	76	132C3.031		11.1984->04.1985		250-21011	
	DS	77	132C3.031		03.1982->04.1985		250-21011	
PORSCHE								
911								
3.2		160	930.25		08.1986->07.1989		250-23060	
3.2 SC Carrera		170	930.2		08.1985->07.1989		250-23060	
		152	930.21		02.1984->07.1986		250-23024	
3.3 Turbo	964	235	M30.69		12.1990->08.1992		250-23060	
3.4 Carrera	996	221	M96.01,M96.04		09.1997->08.2001		250-24178	250-24135
3.4 Carrera 4	996	221	M96.01,M96.04		09.1998->08.2001		250-24178	250-24135
3.6 Carrera	997	239	M96.05		08.2004->08.2005		250-24409	250-24409
	996	235	M96.03		10.2001->07.2004		250-24409	250-24409
	993	210	M64.24,M64.22		09.1995->08.1997		250-24163	
	993	210	M64.21,M64.23		09.1995->08.1997		250-24163	
	993	200	M64.05,M64.06		10.1993->08.1995		250-24163	
	964	184	M64.01,M64.02		09.1990->08.1993		250-23060	
3.6 Carrera 4	996	235	M96.03		10.2001->07.2004		250-24409	250-24409
	993	210	M64.21		09.1995->08.1997		250-24163	
	993	200	M64.05		07.1994->08.1995		250-24163	
	964	184	M64.01		09.1990->08.1993		250-23060	
3.6 Carrera 4	997	239	M96.05		07.2004->up	Left		250-24712
	997	239	M96.05		07.2004->up	Right		250-24712
3.6 Carrera RS	964	191	64.03		08.1991->08.1993		250-23060	
3.6 Carrera S	996	254			02.2003->07.2004		250-24409	250-24409
3.6 GT2	996	340	M96.70		06.2001->08.2005		250-24178	
	996	355	M96.70		06.2001->08.2005		250-24178	
3.6 GT 2	997	390	M97.70S		09.2007->up	Left		250-24712
	997	390	M97.70S		09.2007->up	Right		250-24712
3.6 GT3	996	280	M96.79		09.2003->08.2005		250-24409	250-24409
	996	265	M96.76		03.1999->08.2001		250-24133	
3.6 Turbo	964	265	M64.50		02.1993->08.1993		250-23060	
	997	353	M97.70		03.2006->up	Left		250-24712
	997	353	M97.70		03.2006->up	Right		250-24712
3.6 Turbo 4	996	309	M96.70		06.2000->08.2005		250-24178	
	993	300	M64.60		03.1995->08.1997		250-24178	250-24133
3.6 Turbo 4S	996	331			02.2003->08.2005		250-24178	
3.8 Turbo	997	368	MA1.70		09.2009->up	Left		250-24854
	997	368	MA1.70		09.2009->up	Right		250-24854
3.8 Carrera S	997	261	M97.01		08.2004->08.2005		250-24409	250-24409
3.8 Carrera 4S	997	261	M97.01		07.2004->up	Left		250-24712
	997	261	M97.01		07.2004->up	Right		250-24712
3.8 Carrera RS	993	221	M64.20		06.1995->08.1997		250-24163	
3.8 Carrera RS 4	993	221	M64.20		08.1995->08.1997		250-24163	
Turbo S Coupe 3.8 DFI		390			02.2010->up	Left		250-24854
		390			02.2010->up	Right		250-24854
911 CABRIOLET								
3.1 Carrera Speedster		160	930.20, 930.25		08.1986->07.1989		250-23060	
		170	930.20, 930.25		08.1986->07.1989		250-23060	
3.1 SC Carrera		152	930.21		10.1984->07.1986		250-23024	
3.4 Carrera	996	221	M96.01,M96.04		02.1998->08.2001		250-24178	250-24135
3.4 Carrera 4	996	221	M96.02,M96.04		09.1998->08.2001		250-24178	250-24135
3.6 Carrera	997	239	M96.05		04.2005->08.2005		250-24409	250-24409
	996	235	M96.03		10.2001->07.2004		250-24409	
	993	210	M64.21,M64.22		09.1995->08.1997		250-24163	
	993	200	M64.05,M64.06		07.1994->08.1995		250-24163	
	964	184	M64.01,M64.02		09.1990->08.1993		250-23060	
3.6 Carrera 4	996	235	M96.03		10.2001->07.2004		250-24409	250-24409
	993	210	M64.21		09.1995->08.1997		250-24163	
	993	200	M64.05		07.1994->08.1995		250-24163	
	964	184	M64.01		09.1990->08.1993		250-23060	
3.6 Turbo	997	353	M97.70		09.2007->up	Left		250-24712
	997	353	M97.70		09.2007->up	Right		250-24712
3.6 Turbo 4	996	309	M96.70		10.2003->08.2005		250-24178	
3.6 Turbo 4S	996	331			10.2003->08.2005		250-24178	
3.8 Turbo	997	368	MA1.70		09.2009->up	Left		250-24854
	997	368	MA1.70		09.2009->up	Right		250-24854
3.8 Carrera S	997	261	M97.01		08.2005->UP		250-24409	250-24409
Turbo S 3.8 DFI		390			02.2010->up	Left		250-24854
		390			02.2010->up	Right		250-24854
911 TARGA								
3.6	996	235	M96.03		12.2001->07.2004		250-24409	250-24409
3.6 Carrera	993	210	M64.21,M64.22		09.1995->08.1997		250-24163	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PORSCHE (cont'd)								
911 TARGA (cont'd)								
3.7 Carrera	993	221	M64.20		05.1996->08.1997		250-24163	
924								
2.5 S		110	M44.08, M44.07		09.1985->07.1988		250-23029	
		118	M44.09, M44.10		09.1985->07.1988		250-23029	
928								
4.6 S		228	M28.22, M28.21		08.1983->07.1986		250-23024	
4.9 S		212	M28.46, M28.45		09.1985->07.1986		250-23024	
4.9 S,S4		235	M28.41, M28.42		08.1986->07.1991		250-23060	
5.0 GT		243	M28.47		01.1989->07.1991		250-23060	
5.0 S4 CAT		235	M28.41, M28.42		08.1986->07.1991		250-23060	
5.4 GTS		257	M28.49, M28.50		08.1991->11.1995		250-23060	
944								
2.5		118	M44.05, M44.09, M44.10		08.1987->07.1988		250-23029	
		110	M44.08, M44.02, M44.07, M44.04		01.1985->07.1987		250-23029	
		120	M44.03, M44.05, M44.01, M44.06		01.1985->07.1987		250-23029	
944 CABRIOLET								
3.0 S2		155	M44.41		12.1988->07.1991		250-23029	
2.5 S		140	M44.40		08.1986->07.1988		250-23029	
2.5 Turbo		184	M44.52		09.1987->07.1991		250-23060	
		162	M44.50, M44.51		08.1985->07.1988		250-23060	
2.7		121	M44.12, M44.11		11.1988->08.1989		250-23029	
3.0 S2		155	M44.41		12.1988->07.1991		250-23029	
968								
3.0		176	M44.43, M44.44		08.1991->11.1995		250-23029	
968 CABRIOLET								
3.0		176	M44.43, M44.44		08.1991->11.1995		250-23029	
BOXSTER								
2.5	986	150	M96.20		10.1996->08.1999		250-24423	250-24423
2.7	987	180	M97.20		07.2006->11.2008	Left	250-24682	250-24682
	987	180	M97.20		07.2006->11.2008	Right	250-24682	250-24682
	987	176	M96.25		11.2004->08.2006	Left	250-25015	250-24682
	987	176	M96.25		11.2004->08.2006	Right	250-25015	250-24682
	986	168	M96.23		09.2002->10.2004		250-24647	250-24650
	986	168	M96.23		09.2002->10.2004	Center	250-24647	
	986	162	M96.22		09.1999->07.2002		250-24647	250-24423
	986	162	M96.22		09.1999->07.2002	Center	250-24647	
S 3.2	987	206	M96.26		11.2004->08.2006	Left	250-25015	250-24682
	987	206	M96.26		11.2004->08.2006	Right	250-25015	250-24682
	986	196	M96.24		01.2004->10.2004		250-24647	250-24650
	986	196	M96.24		01.2004->10.2004	Center	250-24647	
	986	185	M96.21		09.1999->07.2002		250-24647	250-24423
	986	185	M96.21		09.1999->07.2002	Center	250-24647	
	986	191	M96.24		09.2002->10.2004		250-24647	250-24650
S 3.4	987	217	M97.21		07.2006->11.2008	Left	250-24682	250-24682
	987	217	M97.21		07.2006->11.2008	Right	250-24682	250-24682
CARRERA GT								
5.7		450	M80.01		07.2003->up	Cyl 1-5	250-25079	250-24648
		450	M80.01		07.2003->up	Cyl 6-10	250-25079	250-24648
CAYENNE								
3.6	955	213	M55.01		12.2006->02.2010	Cyl 1-3	250-25034	250-24699
	955	213	M55.01		12.2006->02.2010	Cyl 4-6	250-25025	250-24671
S 4.5	955	250	M48.00		03.2003->12.2006	Left	250-25008	250-24432
	955	250	M48.00		03.2003->12.2006	Right	250-25008	250-24432
S 4.8	955	283	M48.01		12.2006->02.2010	Left	250-25031	
	955	283	M48.01		12.2006->02.2010	Right	250-25031	
Turbo 4.5	955	331	M48.50		03.2003->12.2006	Left	250-25003	250-24432
	955	331	M48.50		03.2003->12.2006	Right	250-25003	250-24432
Turbo S 4.5	955	368	M48.50S		12.2004->12.2006	Left	250-25003	250-24432
	955	368	M48.50S		12.2004->12.2006	Right	250-25003	250-24432
Turbo S 4.8	955	368	M48.51		12.2006->02.2010	Left	250-25035	●250-24682
	955	368	M48.51		12.2006->02.2010	Right	250-25035	
CAYMAN								
2.7		180	M97.20		07.2006->11.2008	Left	250-24682	250-24682
		180	M97.20		07.2006->11.2008	Right	250-24682	250-24682
S 3.4		217	M97.21		11.2005->11.2008	Left	250-24682	250-24682
		217	M97.21		11.2005->11.2008	Right	250-24682	250-24682



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
PROTON								
SATRIA								
1.5	C9_M	64	4G15		07.2000->up		250-24020	
RENAULT								
9								
1.7	L42_	54	F3N718		10.1986->12.1988		250-21000	
	L42_	69	F3N708		06.1987->12.1988		250-21000	
11								
1.7	B/C37_	55	F3N718		12.1988->12.1988		250-23828	
	B/C37_	69	F3N708		12.1988->12.1988		250-23828	
19 I								
1.4	B/C53_	43	C3J760		01.1989->04.1992		250-21000	
	B/C53_	59	E6J700KAT		05.1990->12.1992		250-23828	
1.7	B/C53_	54	F3N740		09.1988->04.1992		250-21000	
	B/C53_	66	F3N742		09.1988->04.1992		250-23828	
1.8 16V	B/C53_	99	F7P704		06.1989->04.1992		250-23828	
19 I CABRIOLET								
1.7	D53_	55	F3N741		07.1991->04.1992		250-21000	
	D53_	70	F3N742		07.1991->04.1992		250-23828	
1.8 16V	D53_	101	F7P704		07.1991->04.1992		250-23828	
19 I CHAMADE								
1.4	L53_	43	C3J760		07.1988->04.1992		250-21000	
	L53_	55	E7J.7.02		04.1991->04.1992		250-23828	
1.7	L53_	54	F3N741,F3N740		10.1989->04.1992		250-21000	
	L53_	66	F3N742		04.1989->04.1992		250-23828	
1.8 16V	L53_	99	F7P704		10.1989->04.1992		250-23828	
19 II								
1.2	B/C53_	40	E7F730		05.1992->10.1995		250-23828	
1.4	B/C53_	43	C3J710		07.1993->08.1995		250-23828	
	B/C53_	59	E7J707		05.1992->11.1995		250-23828	
	B/C53_	43	C3J710		05.1992->07.1993		250-21000	
	B/C53_	55	E7J707		05.1992->11.1992		250-23828	
	B/C53_	55	E7J742		07.1992->12.1995		250-23003	
1.7	B/C53_	54	F3N741,F3N740		04.1992->07.1992		250-21000	
	B/C53_	54	F3N741,F3N740		07.1992->08.1995		250-21011	
	B/C53_	66	F3N742,743		05.1992->11.1995		250-23828	
1.8	B/C53_	65	F3P700,01,04,05,06,07		05.1992->11.1995		250-23828	
	B/C53_	66	F3P706		09.1993->08.1995		250-23828	
	B/C53_	79	F3P682,700,765		05.1994->11.1995		250-23828	
	B/C53_	81	F3P682,700		05.1992->05.1994		250-23828	
1.8 16V	B/C53_	99	F7P704		05.1992->10.1995		250-23828	
19 II CABRIOLET								
1.7	D53_ 853_	66	F3N743		05.1992->09.1993		250-23828	
1.8	D53_ 853_	65	F3P704,707		05.1992->08.1995		250-23828	
	D53_ 853_	66	F3P706		09.1994->08.1995		250-23828	
	D53_ 853_	79	F3P682,765		09.1994->11.1995		250-23828	
1.8 16V	D53_ 853_	99	F7P704		05.1992->08.1995		250-23828	
19 II CHAMADE								
1.2	L53_	44	E7F730		05.1992->09.1994		250-23828	
1.4	L53_	59	E7J.7.00,E7.J.7.07		10.1994->11.1995		250-23828	
	L53_	43	C3J710		05.1992->07.1993		250-21000	
	L53_	43	C3J710		07.1993->08.1995		250-23828	
	L53_	55	E7J742		09.1994->08.1995		250-23003	
1.7	L53_	54	F3N741,F3N740		05.1992->07.1992		250-21000	
	L53_	54	F3N741,F3N740		07.1992->08.1995		250-21011	
	L53_	66	F3N743,F3N742		05.1992->11.1995		250-23828	
1.8	L53_	65	F3P700,F3P701		05.1992->11.1995		250-23828	
	L53_	66	F3P706,765		04.1993->08.1995		250-23828	
	L53_	79	F3P682		05.1994->08.1995		250-23828	
	L53_	81	F3P700		05.1992->05.1994		250-23828	
1.8 16V	L53_	99	F7P704		05.1992->08.1995		250-23828	
21								
1.7	B48_	54	F3N726		09.1989->10.1992		250-21000	
	B48_	66	F3N723,F3N722		09.1989->04.1993		250-23828	
2.0	B48_	88	J7R747,J7R746		09.1989->04.1992		250-23828	
	B48_	99	J7R740		02.1990->10.1992		250-23828	
2.0 4x4	B48_	99	J7R740		09.1990->10.1992		250-23828	
2.2	B48_	79	J7T754,J7T755		09.1989->04.1992		250-21011	
2.2 4x4	B48_	79	J7T754,J7T755	To Ch. No. S00006709	07.1990->12.1993		250-23828	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
RENAULT (cont'd)								
21 ESTATE								
1.7	K48_	54	F3N726		05.1988->04.1993		250-21000	
	K48_	66	F3N722		10.1989->04.1993		250-23828	
	K48_	69	F3N722		06.1986->04.1989		250-23828	
2.0	K48_	88	J7R747,J7R746		06.1990->04.1992		250-23828	
	K48_	99	J7R740		06.1991->04.1992		250-23828	
2.0 4x4	K48_	88	J7R747,J7R746		06.1990->12.1993		250-23828	
2.2	K48_	79	J7T754,J7T755		06.1986->11.1993		250-21011	
2.2 4x4	K48_	79	J7T754,J7T755	To Ch. No. S00009741	10.1986->01.1990		250-21011	
21 SALOON								
1.7	L48_	54	F3N.7.18,F3N.7.26		07.1986->02.1994		250-21000	
	L48_	66	F3N723,F3N722		09.1989->04.1993		250-23828	
	L48_	69	F3N722		09.1986->04.1993		250-23828	
2.0	L48_	88	J7R747,J7R746		06.1990->12.1993		250-23828	
	L48_	99	J7R740		02.1990->04.1993		250-23828	
2.0 4x4	L48_	99	J7R740		12.1989->03.1993		250-23828	
2.0 Turbo	L48_	119	J7R756		02.1990->10.1992		250-23828	
2.0 Turbo 4x4	L48_	119	J7R756		02.1990->10.1992		250-23828	
2.2	L48_	79	J7T754,J7T755		08.1986->03.1993		250-21011	
2.2 4x4	L48_	79	J7T754,J7T755		07.1990->02.1994		250-21000	
25								
2.0 12V	B29_	103	J7R726		06.1989->12.1992		250-23828	
	B29_	99	J7R726		06.1989->12.1992		250-23828	
2.2	B29_	76	J7T708		11.1985->08.1986		250-21011	
	B29_	76	J7T732		06.1987->05.1988		250-21011	
	B29_	79	J7T708,J7T733,J7T732		10.1987->12.1992		250-21011	
2.5 V6 Turbo	B29_	151	Z7U700		01.1990->12.1992		250-23828	
2.8 V6	B29_	115	Z7W701		06.1988->02.1990		250-23032	
2.8 V6 Injection	B29_	100	Z7W702		10.1986->06.1987		250-21011	
	B29_	110	Z7W701,706,707		06.1987->12.1992		250-23032	
AVANTIME								
2.0 16V Turbo	DE0_	120	F4R760,F4R761		11.2001->03.2003		250-24585	250-24585
3.0 V6	DE0_	152	L7X720,721,722		09.2001->03.2003	Left	250-24841	250-24841
	DE0_	152	L7X720,721,722		09.2001->03.2003	Right	250-24841	250-24841
CLIO I								
1.2	B/C57_	5/357_	40 D7F730		03.1996->02.1998		250-23141	
	B/C57_	5/357_	40 C3G720		01.1996->02.1996		250-22063	
1.2	B/C57_	5/357_	40 E7F706		01.1991->01.1996		250-23828	
	B/C57_	5/357_	43 D7F730		03.1996->02.1998		250-23141	
	B/C57_	5/357_	43 C3G720		10.1994->02.1996		250-22063	
	B/C57_	5/357_	43 E7F700,706		09.1990->02.1998		250-23828	
	B/C57_	5/357_	43 E7F708,750		01.1994->02.1998		250-23003	
1.4	B/C57_	5/357_	59 E7J601,710,711,718,719		01.1991->02.1998		250-23828	
	B/C57_	5/357_	59 E7J754		01.1994->02.1998		250-23003	
	B/C57_	5/357_	55 E7J756		03.1996->02.1998		250-23003	
	B/C57_	5/357_	55 E7J757		03.1996->02.1998		250-23828	
	B/C57_	5/357_	58 E7J718,719		01.1991->02.1996		250-23828	
	B/C57_	5/357_	58 E7J754		03.1996->02.1998		250-23003	
1.8	B/C57_	5/357_	70 F3P710		01.1991->02.1998		250-23828	
	B/C57_	5/357_	65 F3P710,714,754		01.1991->02.1998		250-23828	
	B/C57_	5/357_	66 F3P754,F3P755		08.1994->12.1996		250-23828	
1.8 16V	B/C57_	5/357_	99 F7P722		01.1991->03.1996		250-23828	
1.8 Rsi	B/C57_	5/357_	79 F3P758		03.1996->02.1998		250-23828	
	B/C57_	5/357_	80 F3P712		01.1993->08.1995		250-23828	
Williams	B/C57_	5/357_	108 F7R700		01.1994->09.1998		250-23828	
CLIO I BOX								
1.2	S57_	40	E7F706		01.1991->02.1998		250-23828	
	S57_	44	E7F700		01.1991->02.1996		250-23828	
CLIO II								
1.0	BB0/1/2, CB0/1/2	40	D7D.7.60		04.2001->05.2001		250-23141	
1.2	BB0/1/2, CB0/1/2	43	D7F720,722		09.1998->up		250-23141	
1.2 16V	BB0/1/2, CB0/1/2	55	D4F714,D4F712,D4F722		06.2001->up		250-24568	250-24568
1.4	BB0/1/2, CB0/1/2	55	E7J634,E7J635		12.1998->05.2005		250-24781	
	BB0/1/2, CB0/1/2	55	E7J780		09.1998->05.2005		250-23144	
	BB0/1/2, CB0/1/2	55	K7J700		12.1999->05.2005		250-24781	250-24975
1.4 16V	BB0/1/2, CB0/1/2	70	K4J712,K4J713		10.1999->08.2000		250-24585	250-24585
	BB0/1/2, CB0/1/2	72	K4J710,711,712,713,715		04.2001->up		250-24585	250-24585
1.6	BB0/1/2, CB0/1/2	66	K7M744,K7M745		09.1998->05.2005		250-23144	
1.6 16V	BB0/1/2, CB0/1/2	79	K4M708,743,744,745,748		09.1998->up		250-24585	250-24585
	BB0/1/2, CB0/1/2	79	K4M740		11.2002->up		250-24585	
	BB0/1/2, CB0/1/2	79	K4M740		04.2001->11.2002		250-23164	250-24568



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
RENAULT (cont'd)								
CLIO II (cont'd)								
2.0 16V Sport	BBO/1/2, CBO/1/2	132	F4R738		01.2004->up		250-24585	250-24585
	BBO/1/2, CBO/1/2	124	F4R730,732,736		04.2001->up		250-24585	250-24585
3.0 V6 Sport	BBO/1/2, CBO/1/2	166	L7X760		11.2000->03.2001	Left	250-24841	250-24841
	BBO/1/2, CBO/1/2	166	L7X760		11.2000->03.2001	Right	250-24841	250-24841
	BBO/1/2, CBO/1/2	187	L7X762		12.2002->05.2005	Left	250-24841	250-24841
	BBO/1/2, CBO/1/2	187	L7X762		12.2002->05.2005	Right	250-24841	250-24841
CLIO II BOX								
1.1	SB0/1/2_	43	D7F722,D7F720		09.1998->up		250-23141	
	SB0/1/2_	43	D7F.7.26, D7F.7.46, D7F.7.64, D7F.7.66		04.2001->up		250-24585	250-24585
CLIO III								
1.2 16V	BR0/1, CR0/1	55	D4F740		09.2005->up		250-24568	250-24568
	BR0/1, CR0/1	58	D4F764		06.2005->06.2006		250-24971	250-24971
	BR0/1, CR0/1	48	D4F.7.40		09.2005->up		250-24568	250-24568
1.4 16V	BR0/1, CR0/1	72	K4J780		09.2005->up		250-24585	250-24585
1.6 16V	BR0/1, CR0/1	65	K4M802,804		09.2005->up		250-24585	250-24585
	BR0/1, CR0/1	82	K4M800,K4M801		09.2005->up		250-24585	250-24585
CLIO GRANDTOUR								
1.6 16V	KR0/1_	82	K4M800,K4M801		02.2008->up		250-24585	250-24585
ESPACE I								
2.2	J11_	79	J7T770		07.1986->12.1990		250-21011	
2.2 Quadra	J11_	79	J7T770		01.1988->12.1990		250-21011	
ESPACE II								
2.0	J/S63_	76	J7R768		01.1991->02.1993		250-23032	
	J/S63_	76	J7R768		02.1993->08.1996		250-23828	
2.2	J/S63_	79	J7T772,773		01.1991->04.1991		250-21000	
	J/S63_	79	J7T772,773,776		04.1991->08.1996		250-23828	
2.2 4x4	J/S63_	79	J7T772		03.1991->04.1991		250-21000	
	J/S63_	79	J7T772		04.1991->08.1996		250-23828	
2.8 V6	J/S63_	110	Z7W712,713		04.1991->07.1994		250-23032	
	J/S63_	110	Z7W717,Z7W712,Z7W713		07.1994->08.1996		250-23828	
ESPACE III								
2.0	JE0_	102	F4R701,F4R700		09.2001->10.2002		250-24585	250-24585
	JE0_	84	F3R728,729,768,769		11.1996->06.2000		250-24830	
2.0 16V	JE0_	103	F4R701,F4R700		12.1998->10.2002		250-24585	250-24585
3.0	JE0_	123	Z7X775		11.1996->06.1998		250-24830	
3.0 V6 24V	JE0_	140	L7X727		10.1998->10.2002		250-24585	250-24109
ESPACE IV								
2.0	JK0/1_	100	F4R790,791,792		11.2002->up		250-24585	250-24585
	JK0/1_	125	F4R796,F4R797		04.2005->02.2006		250-24585	250-24585
2.0 Turbo	JK0/1_	120	F4R794,F4R795		11.2002->02.2006		250-24585	250-24585
3.5 V6	JK0/1_	177	V4Y711,715		11.2002->up	Left	250-24452	250-24403
	JK0/1_	177	V4Y711,715		11.2002->up	Right	250-24452	250-24403
GRAND SCENIC II								
1.6	JM0/1_	83	K4M782		04.2004->up		250-24585	250-24585
2.0	JM0/1_	99	F4R770,771		04.2004->up		250-24585	250-24585
	JM0/1_	120	F4R776		04.2004->up		250-24585	250-24585
KANGOO								
1.2	KC0/1_	43	D7F710		08.1997->up		250-23147	
	KC0/1_	43	D7F720,722		08.1997->up		250-23141	
	KC0/1_	43	D7F726,744,746		03.2003->up		250-24585	
1.2 16V	KC0/1_	55	D4F712,714		03.2003->up		250-24568	250-24568
1.4	KC0/1_	55	E7J634,E7J635		02.1999->02.2003		250-24781	
	KC0/1_	55	E7J780		09.1997->02.2003		250-23144	
	KC0/1_	55	K7J700,K7J701		03.2003->up		250-24781	250-24975
1.6 16V	KC0/1_	70	K4M750,K4M753,K4M752		03.2003->up		250-24585	250-24585
	KW0/1_	78	K4M.7.08,K4M.8.30		02.2008->up		250-24585	250-24585
1.6 16V 4x4	KC0/1_	70	K4M750		01.2002->up		250-24585	250-24585
KANGOO EXPRESS								
1.4	FC0/1_	55	K7J.700, K7J.701		08.1997->up			250-24975
1.6 16V	FW0/1_	78	K4M.7.08,K4M.8.30		02.2008->up		250-24585	250-24585
KANGOO RAPID								
1.2	FC0/1_	43	D7F710		08.1997->up		250-23147	
	FC0/1_	43	D7F720,722		08.1997->up		250-23141	
	FC0/1_	43	D7F726,744,746		03.2003->up		250-24585	
1.2 16V	FC0/1_	55	D4F714,D4F712		03.2003->up		250-24568	250-24568
1.4	FC0/1_	55	E7J634		02.1999->02.2003		250-24781	
	FC0/1_	55	E7J780		09.1997->02.2003		250-23144	
	FC0/1_	55	K7J700,K7J701		03.2003->up		250-24781	250-24975
1.6 16V	FC0/1_	70	K4M750,752,753		03.2003->up		250-24585	250-24585



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
RENAULT (cont'd)								
KANGOO RAPID (cont'd)								
1.6 16V 4x4	FC0/1_	70	K4M750		01.2002->up		250-24585	250-24585
KOLEOS								
2.5	VY_	126	2TR700		09.2008->up		250-54037	250-24741
2.5 4x4	VY_	126	2TR700		09.2008->up		250-54037	250-24741
LAGUNA								
1.6 16V	B56_ 556_	79	K4M720		05.1998->12.2000		250-24585	250-24568
1.8	B56_ 556_	66	F3P720,F3P724		01.1994->11.1995		250-23005	
	B56_ 556_	66	F3P670		08.1995->04.1998		250-24830	
	B56_ 556_	66	F3P678		08.1995->03.2001		250-23005	
	B56_ 556_	69	F3P674,676		05.1998->12.2000		250-24830	
	B56_ 556_	69	F3P724		08.1995->01.1996		250-23005	
1.8 16V	B56_ 556_	88	F4P760		09.1998->12.2000		250-24585	
2.0	B56_ 556_	70	F3R768		05.1998->12.2000		250-24830	
	B56_ 556_	80	F3R611,F3R768		03.1999->12.2000		250-24830	
	B56_ 556_	83	F3R722,F3R723		01.1994->05.1996		250-23005	
	B56_ 556_	83	F3R728,729		07.1995->04.1998		250-24830	
2.0 16V	B56_ 556_	102	N7Q700,N7Q704		06.1995->12.2000		250-24829	
	B56_ 556_	103	F4R780		10.1999->12.2000		250-24585	
3.0	B56_ 556_	123	Z7X765,Z7X760		01.1994->12.1996		250-23828	
	B56_ 556_	123	Z7X767		08.1996->04.1998		250-24830	
3.0 24V	B56_ 556_	140	L7X700,L7X701		07.1997->12.2000		250-24585	250-24109
LAGUNA GRANDTOUR								
1.6 16V	K56_	79	K4M720		05.1998->12.2000		250-24585	250-24568
1.8	K56_	66	F3P670		09.1995->04.1998		250-24830	
	K56_	66	F3P678		09.1995->04.1998		250-23005	
	K56_	69	F3P674,676		05.1999->12.2000		250-24830	
	K56_	69	F3P724		09.1995->04.1998		250-23005	
	K56_	88	F4P760		05.1998->12.2000		250-24585	
1.8 16V	K56_	88	F4P760		05.1998->12.2000		250-24585	
2.0	K56_	83	F3R722,F3R723		09.1995->08.1996		250-23005	
	K56_	83	F3R611,F3R728,F3R729,F3R768		09.1995->12.2000		250-24830	
2.0 16V	K56_	102	N7Q700,N7Q704		09.1995->12.2000		250-24829	
	K56_	103	F4R780		10.1999->12.2000		250-24585	
3.0	K56_	123	Z7X765		02.1996->11.1996		250-23828	
	K56_	123	Z7X767		11.1996->04.1998		250-24830	
3.0 24V	K56_	140	L7X700,L7X701		07.1997->12.2000		250-24585	250-24109
LAGUNA II								
1.6 16V	BG0/1_	82	K4M716		03.2005->up		250-24585	250-24585
	BG0/1_	79	K4M710,711,714,718		03.2001->up		250-24585	250-24585
1.8 16V	BG0/1_	85	F4P770,771,772,774,775		03.2001->up		250-24585	250-24585
	BG0/1_	88	F4P770,772,773		03.2001->up		250-24585	250-24585
	BG0/1_	89	F4P774,F4P770		03.2001->up		250-24585	250-24585
2.0 16V	BG0/1_	125	F4R787		03.2005->up		250-24585	250-24585
	BG0/1_	150	F4R784,786		03.2005->up		250-24585	250-24585
	BG0/1_	99	F4R713,F4R715,F4R712,F4R714		08.2002->up		250-24585	250-24585
2.0 16V IDE	BG0/1_	103	F5R700,701		04.2001->up		250-24585	250-24585
2.0 16V Turbo	BG0/1_	120	F4R764,765		03.2003->up		250-24585	250-24585
3.0 V6 24V	BG0/1_	152	L7X731,733		03.2001->up	Left	250-24841	250-24841
	BG0/1_	152	L7X731,733		03.2001->up	Right	250-24841	250-24841
LAGUNA II GRANDTOUR								
1.6 16V	KG0/1_	82	K4M714,716,718		03.2005->up		250-24585	250-24585
	KG0/1_	79	K4M711,K4M714,K4M710		03.2001->up		250-24585	250-24585
1.8 16V	KG0/1_	89	F4P771,772,774,775		03.2005->up		250-24585	250-24585
	KG0/1_	85	F4P770,771,774,775		03.2001->up		250-24585	250-24585
	KG0/1_	88	F4P770,772,773		03.2001->up		250-24585	250-24585
2.0 16V	KG0/1_	125	F4R787		03.2005->up		250-24585	250-24585
	KG0/1_	150	F4R784,786		03.2005->up		250-24585	250-24585
	KG0/1_	99	F4R712,713,714		08.2002->up		250-24585	250-24585
	KG0/1_	103	F4R700,701,712,713,715		04.2001->up		250-24585	250-24585
2.0 16V IDE	KG0/1_	103	F4R764,765		03.2003->up		250-24585	250-24585
2.0 16V Turbo	KG0/1_	120	F4R764,765		03.2003->up		250-24585	250-24585
3.0 V6 24V	KG0/1_	152	L7X731,733		03.2001->up	Left	250-24841	250-24841
	KG0/1_	152	L7X731,733		03.2001->up	Right	250-24841	250-24841
LAGUNA III								
1.6 16V	BT0/1	81	K4M.8.24		10.2007->up		250-24585	
MASTER I BOX								
30 2.2	T_	67	J7T788		10.1994->09.1997		250-23828	
MASTER I BUS								
30 2.2	T_	67	J7T788		10.1994->08.1997		250-23828	
MEGANE I								
1.4 16V	BA0/1_	70	K4J714,K4J750		03.1999->08.2002		250-24585	250-24585



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
RENAULT (cont'd)								
MEGANE I (cont'd)								
1.4e	BA0/1_	55	E7J626,E7J764		02.1999->10.2000		250-24781	
	BA0/1_	55	E7J764		01.1996->02.1999		250-23828	
1.4 Eco	BA0/1_	52	E7J624		01.1996->02.1999		250-23828	
1.6 16V	BA0/1_	79	K4M700,701,704,708,709,712		03.1999->up		250-24585	250-24585
	BA0/1_	79	K4M706		03.1999->12.2001		250-23164	
1.6e	BA0/1_	66	K7M702,K7M703,K7M790		01.1996->03.1999		250-23828	
1.6i	BA0/1_	55	K7M702,703,720		01.1996->02.1999		250-23828	
1.8 16V	BA0/1_	85	F4P722,F4P720		01.2001->08.2002		250-24585	250-24585
2.0 16V	BA0/1_	108	F4R740		03.2001->up		250-23164	
	BA0/1_	108	F7R710,F7R714		07.1996->12.1998		250-24830	
2.0i	BA0/1_	80	F3R791		03.1999->up		250-24830	
	BA0/1_	84	F3R750,751,796,797		01.1996->up		250-24830	
MEGANE I CABRIOLET								
1.4 16V	EA0/1_	70	K4J700,714,750		03.1999->up		250-24585	250-24585
1.6 16V	EA0/1_	79	K4J700,701,708,709		03.1999->up		250-24585	250-24585
1.6e	EA0/1_	66	K7M702		02.1997->02.1999		250-23828	
2.0	EA0/1_	84	F3R750,796		04.1997->12.1998		250-24830	
2.0 16V	EA0/1_	102	F4R746		01.2002->up		250-24585	250-24585
	EA0/1_	108	F7R710,F7R714		02.1997->12.1998		250-24830	
2.0i	EA0/1_	80	F3R791		03.1999->up		250-24830	
MEGANE I CLASSIC								
1.4	LA0/1_	55	E7J626		03.1999->10.2000		250-24781	
	LA0/1_	55	E7J764		09.1996->02.1999		250-23828	
1.4 16V	LA0/1_	70	K4J714,K4J750		03.1999->08.2002		250-24585	250-24585
1.6 16V	LA0/1_	79	K4J700,701,708,709		03.1999->08.2002		250-24585	250-24585
	LA0/1_	79	K4M706		03.1999->11.2001		250-23164	
1.6e	LA0/1_	66	K7M702,K7M703,K7M790		09.1996->02.1999		250-23828	
1.6i	LA0/1_	55	K7M720		09.1996->02.1999		250-23828	
1.8 16V	LA0/1_	85	F4P722,F4P720		01.2001->08.2002		250-24585	250-24585
2.0i	LA0/1_	84	F3R750,751,752,791,796,798		09.1996->10.1998		250-24830	
MEGANE I COACH								
1.4 16V	DA0/1_	70	K4J700,714,750		03.1999->08.2003		250-24585	250-24585
1.6 16V	DA0/1_	79	K4M700,701,708,709		03.1999->09.2002		250-24585	250-24585
1.6e	DA0/1_	66	K7M702,K7M703		03.1996->02.1999		250-23828	
2.0 16V	DA0/1_	102	F4R746		01.2002->09.2002		250-24585	250-24585
	DA0/1_	108	F7R710,F7R714		03.1996->11.1999		250-24830	
2.0i	DA0/1_	84	F3R750,751,791,796,797,798		03.1996->02.1999		250-24830	
MEGANE I GRANDTOUR								
1.4 16V	KA0/1_	70	K4J714,K4J750		03.1999->up		250-24585	250-24585
1.4e	KA0/1_	55	E7J626		03.1999->10.2000		250-24781	
1.6 16V	KA0/1_	79	K4M700,701,704,708,709,712		03.1999->up		250-24585	250-24585
1.6e	KA0/1_	66	K7M702		03.1999->10.2000		250-23828	
1.8 16V	KA0/1_	85	F4P722,F4P720		01.2001->up		250-24585	250-24585
MEGANE II								
1.4 16V	BMO/1_, CMO/1_	60	K4J732		10.2003->up		250-24585	250-24585
	BMO/1_, CMO/1_	72	K4J740,K4J730		11.2002->up		250-24585	250-24585
1.6	BMO/1_, CMO/1_	77	K4M.7.64		06.2005->up		250-24585	250-24585
1.6 16V	BMO/1_, CMO/1_	82	K4M.8.12,K4M.8.13		01.2007->up		250-24585	250-24585
	BMO/1_, CMO/1_	83	K4M760,761,764		11.2002->up		250-24585	250-24585
1.6 Flex-Fuel	BMO/1_, CMO/1_	77	K4M.7.64		01.2007->up		250-24585	250-24585
1.9 dCi	BMO/1_, CMO/1_	88	F9Q818		05.2005->up			800-95004
2.0 16V	BMO/1_, CMO/1_	99	F4R770,771		11.2002->up		250-24585	250-24585
2.0 16V Turbo	BMO/1_, CMO/1_	120	F4R776		05.2004->up		250-24585	250-24585
2.0 Renault Sport	BMO/1_, CMO/1_	165	F4R774,F4R774		05.2004->up		250-24585	250-24585
MEGANE II CABRIOLET								
1.6	EMO/1_	83	K4M760,K4M761		09.2003->up		250-24585	250-24585
1.6 16V	EMO/1_	82	K4M812,K4M813		01.2007->up		250-24585	250-24585
1.9 dCi	EMO/1_	88	F9Q818		05.2005->up			800-95004
2.0	EMO/1_	99	F4R771,F4R770		09.2003->up		250-24585	250-24585
2.0 16V Turbo	EMO/1_	120	F4R776		05.2004->up		250-24585	250-24585
MEGANE II COUPE								
1.6	EMO/1_	83	K4M760,K4M761		09.2003->up		250-24585	250-24585
1.6 16V	EMO/1_	82	K4M812,K4M813		01.2007->up		250-24585	250-24585
1.9 dCi	EMO/1_	88	F9Q818		05.2005->up			800-95004
2.0	EMO/1_	99	F4R771,F4R770		09.2003->up		250-24585	250-24585
2.0 16V Turbo	EMO/1_	120	F4R776		05.2004->up		250-24585	250-24585
MEGANE II GRANDTOUR								
1.4	KMO/1_	72	K4J740,K4J730		08.2003->up		250-24585	250-24585
1.6	KMO/1_	83	K4M760,761,764		08.2003->up		250-24585	250-24585
1.9 dCi	KMO/1_	88	F9Q800		05.2005->up			800-95004
2.0	KMO/1_	99	F4R771,F4R770		08.2003->up		250-24585	250-24585



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
RENAULT (cont'd)								
MEGANE II SALOON								
1.4	LM0/1_	60	K4J732		09.2003->up		250-24585	250-24585
	LM0/1_	72	K4J740,K4J730		09.2003->up		250-24585	250-24585
1.6	LM0/1_	83	K4M760,761,764		09.2003->up		250-24585	250-24585
1.6 16V	LM0/1_	82	K4M.8.12,K4M.8.13		01.2007->up		250-24585	250-24585
1.9 dCi	LM0/1_	88	F9Q818		09.2003->up			800-95004
2.0	LM0/1_	99	F4R771,F4R770		09.2003->up		250-24585	250-24585
MEGANE SCENIC								
1.4i	JA0/1_	55	E7J764		01.1997->09.1999		250-23828	
1.6e	JA0/1_	66	K7M702,K7M703		01.1997->09.1999		250-23828	
1.6i	JA0/1_	55	K7M720		01.1997->02.1999		250-23828	
2.0i	JA0/1_	80	F3R796		01.1999->09.1999		250-24549	
	JA0/1_	84	F3R750,751,791,796,797,798,		01.1997->09.1999		250-24830	
MODUS								
1.2	F/JPO_	48	D4F740		06.2005->up		250-24568	
	F/JPO_	55	D4F740		12.2004->12.2007		250-24568	
	F/JPO_	55	D4F764		12.2004->12.2007		250-24971	
1.2	F/JPO_	58	D4F.7.64		12.2004->up		250-24971	
1.4	F/JPO_	72	K4J770,K4J780		12.2004->up		250-24585	250-24585
1.6	F/JPO_	65	K4M794		12.2004->up		250-24585	250-24585
	F/JPO_	82	K4M790,791,800		12.2004->up		250-24585	250-24585
RAPID BOX								
1.2	F40_ G40_	40	C3G710		07.1993->08.1997		250-22063	
1.4	F40_ G40_	59	E7J.7.20,E7J.7.24		05.1995->08.1997		250-23828	
	F40_ G40_	59	E7J.7.28		05.1995->08.1997		250-23003	
	F40_ G40_	43	C3J762,C3J700,C3J702,C3J760		08.1988->08.1994		250-21011	
	F40_ G40_	55	E7J720,724		09.1991->08.1997		250-23828	
	F40_ G40_	58	E7J728		01.1994->08.1997		250-23003	
SAFRANE I								
2.0	B54_	77	J7R732,J7R733		11.1992->07.1996		250-23005	
2.0 12V	B54_	97	J7R735,J7R734		05.1992->07.1996		250-23005	
2.2	B54_	79	J7T762		05.1992->07.1996		250-23005	
	B54_	101	J7T760,J7T761		05.1992->07.1996		250-23005	
3.0 Biturbo 4x4	B54_	193	Z7X726		12.1993->07.1996		250-23005	
3.0 V6	B54_	123	Z7X722,723,753		12.1992->07.1996		250-23005	
3.0 V6 4x4	B54_	123	Z7X722		12.1992->07.1996		250-23005	
2.0 16V	B54_	100	N7Q710,N7Q711		07.1996->11.2000		250-24830	
2.5 20V	B54_	121	N7U700,N7U701		09.1996->11.2000		250-24134	
2.9 24V	B54_	140	L7X713		03.1999->11.2000		250-24109	
3.0 V6	B54_	123	Z7X755		09.1996->12.1998		250-24549	
SCENIC I								
1.4 16V	JA0/1_	70	K4J714,K4J750		09.1999->04.2003		250-24585	250-24585
1.6 16V	JA0/1_	79	K4M700,701,704,708,709,712		09.1999->04.2003		250-24585	250-24585
	JA0/1_	79	K4M706		03.2002->04.2003		250-24585	250-24585
	JA0/1_	79	K4M706		09.1999->03.2002		250-23164	
1.8 4x4	JA0/1_	85	F4P.7.22		07.2000->04.2001		250-24585	250-24585
1.8 16V	JA0/1_	85	F4P722,F4P720		01.2001->04.2003		250-24585	250-24585
2.0 16V	JA0/1_	102	F4R740,741,746,747		08.2000->04.2003		250-24585	250-24585
2.0 16V IDE	JA0/1_	103	J7T746,747		09.1999->04.2003		250-24585	250-24585
2.0 16V RX4	JA0/1_	102	F4R722,744		06.2000->08.2003		250-24585	250-24585
SCENIC II								
1.4	JM0/1_	72	K4J730		06.2003->up		250-24585	250-24585
1.6	JM0/1_	77	K4M.7.88		09.2006->up		250-24585	250-24585
	JM0/1_	83	K4M761,764,782		06.2003->up		250-24585	250-24585
1.9 dCi	JM0/1_	88	F9Q818		06.2003->up			800-95004
2.0	JM0/1_	99	F4R771,F4R770		06.2003->up		250-24585	250-24585
2.0 16V Turbo	JM0/1_	120	F4R776		05.2004->up		250-24585	250-24585
SPORT SPIDER								
2.0 16V	EF0_	110	F7R710,712,720		01.1996->10.1999		250-24830	
SUPER 5								
1.4	B/C40_	43	C3J700,C3J702,C3J760		10.1985->12.1991		250-21011	
1.7	B/C40_	54	F3N716,F3N717		10.1986->08.1990		250-21000	
1.7i	B/C40_	69	F3N702		10.1986->08.1990		250-21011	
SUPER 5 BOX								
1.2	S40_	44	C3J.7.60		01.1993->12.1996		250-21011	
THALIA								
1.2 16V	LB0/1/2_	55	D4F.7.28		04.2002->06.2006		250-24568	250-24568
1.4	LB0/1/2_	55	K7J700		01.2001->up		250-24781	250-24975
1.4 16V	LB0/1/2_	72	K4J712		01.2001->up		250-24585	250-24585
1.6	LB0/1/2_	66	K7M.7.30		03.1998->up		250-24975	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
RENAULT (cont'd)								
THALIA (cont'd)								
1.6 16V	LB0/1/2_	79	K4M734		04.2002->up		250-24585	250-24585
	LB0/1/2_	79	K4M740		04.2002->11.2002		250-23164	
TRAFIC BOX								
2.2	TXX	70	J7T780		05.1989->06.1994		250-21011	
	TXX	74	J7T600		10.1994->08.1997		250-23005	
2.2 4x4	TXX	70	J7T780		07.1990->06.1994		250-21011	
	TXX	74	J7T600		10.1994->08.1997		250-23005	
TRAFIC BUS								
2.2	TXW	70	J7T780		05.1989->06.1994		250-21011	
	TXW	74	J7T600		10.1994->08.1997		250-23005	
2.2 4x4	TXW	70	J7T780		05.1989->06.1994		250-21011	
	TXW	74	J7T600		10.1994->08.1997		250-23005	
TRAFIC FLATBED/CHASSIS								
2.2	PXX	74	J7T.6.00		10.1994->08.1997		250-23005	
	PXX	74	J7T.7.80		09.1994->09.1994		250-21011	
2.2 4x4	PXX	74	J7T.6.00		10.1994->08.1997		250-23005	
	PXX	74	J7T.7.80		09.1994->09.1994		250-21011	
TRAFIC II BOX								
2.0	FL	88	F4R720		04.2001->up		250-24585	250-24585
2.0 16V	FL	86	F4R820		08.2006->up		250-24585	250-24585
TRAFIC II BUS								
2.0	JL	88	F4R720		04.2001->up		250-24585	250-24585
2.0 16V	JL	86	F4R820		08.2006->up		250-24585	250-24585
TRAFIC II FLATBED/CHASSIS								
2.0	EL	88	F4R720		04.2001->up		250-24585	250-24585
TWINGO								
1.2	C06_	40	CEG700		03.1993->07.1996		250-22063	
	C06_	40	CEG702		09.1994->10.1996		250-23005	
	C06_	40	D7F700,D7F701		07.1996->12.1999		250-23141	
	C06_	40	D7F700,D7F701		12.1999->08.2004		250-24568	
	C06_	43	D7F700,D7F701		07.1996->12.1999		250-23141	
	C06_	43	D7F700,D7F701		12.1999->08.2004		250-24568	
	C06_	43	D7F702,D7F708		11.1999->06.2007		250-24585	250-24585
	CNO_	43	D7F800		07.2007->up		250-24585	250-24585
1.2 16V	C06_	44	D4F.7.08		09.2004->06.2006		250-24568	250-24568
	C06_	55	D4F702,704,708		01.2001->06.2007		250-24568	250-24568
TWINGO BOX								
1.2	S06_	40	C3G700		08.1994->05.1996		250-22063	
	S06_	40	C3G702		08.1994->05.1996		250-23005	
	S06_	43	D7F700		09.1996->12.1999		250-23141	
	S06_	43	D7F700		12.1999->08.2004		250-24568	
	S06_	43	D7F702		11.1999->01.2001		250-24585	250-24585
VEL SATIS								
2.0 16 V Turbo	BJO_	125	F4R766		02.2005->up		250-24585	250-24585
	BJO_	120	F4R762,763,764,765,767		06.2002->up		250-24585	250-24585
3.5 V6	BJO_	177	V4Y701,V4Y711		06.2002->up	Left	250-24452	250-24403
	BJO_	177	V4Y701,V4Y711		06.2002->up	Right	250-24452	250-24403
ROVER								
25								
1.1 16V	RF	55	11K4F		08.2004->04.2005		250-24538	250-24566
1.4 16V	RF	62, 76	14K4F4, 14K4F		12.1999->07.2004		250-24538	250-24566
1.6 16V	RF	80	16K4F		12.1999->04.2005		250-24538	250-24566
1.8 16V	RF	85	18K4F		12.1999->04.2005		250-24538	250-24566
	RF	107	18K16		12.1999->07.2004		250-24538	250-24566
45								
1.4	RT	76	14K4F		01.2000->04.2005		250-24538	250-24566
1.6	RT	80	16K4F		01.2000->04.2005		250-24538	250-24566
1.8	RT	86	18K4F		01.2000->04.2005		250-24538	250-24566
2.0 V6	RT	110	K6F		01.2000->04.2005	Left	250-24480	●250-24566
	RT	110	K6F		01.2000->04.2005	Right	250-24480	
45 SALOON								
1.4	RT	76	14K4F		02.2000->05.2004		250-24538	250-24566
1.6	RT	80	16K4F		02.2000->05.2004		250-24538	250-24566
1.8	RT	86	18K4F		02.2000->05.2004		250-24538	250-24566
2.0 V6	RT	110	20K4F		02.2000->05.2004	Left	250-24480	●250-24566
	RT	110	20K4F		02.2000->05.2004	Right	250-24480	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
ROVER (cont'd)								
75								
1.8	RJ	88	K4F		02.1999->04.2005		250-24480	250-24480
1.8 Turbo	RJ	110	K4K		03.2004->04.2005		250-24480	250-24480
2.0 V6	RJ	110	20K6F		02.1999->up	Left	250-24480	●250-24480
	RJ	110	20K6F		02.1999->up	Right	250-24480	
2.5 V6	RJ	129	KV6	To Ch. No. 310026	02.1999->10.2001	Left	250-24480	
	RJ	129	KV6	To Ch. No. 310026	02.1999->10.2001	Right	250-24480	
	RJ	129	KV6	Fr. Ch. No. 310026	02.1999->06.2004	Left	250-24480	●250-24480
	RJ	129	KV6	Fr. Ch. No. 310026	02.1999->06.2004	Right	250-24480	●250-24480
	RJ	130	25K4F		10.2001->04.2005	Left	250-24480	●250-24480
	RJ	130	25K4F		10.2001->04.2005	Right	250-24480	
75 TOURER								
1.8	RJ	88	K1.8		08.2001->04.2005		250-24480	250-24480
1.8 Turbo	RJ	110	K4K		03.2004->04.2005		250-24480	250-24480
2.0 V6	RJ	110	20K4F		08.2001->04.2005	Left	250-24480	●250-24480
	RJ	110	20K4F		08.2001->04.2005	Right	250-24480	
2.5 V6	RJ	130	KV6		08.2001->04.2005	Left	250-24480	●250-24480
	RJ	130	KV6		08.2001->04.2005	Right	250-24480	
100 CABRIOLET								
111	XP	44	11K2D		04.1994->12.1998		250-24805	
114	XP	55, 75	14K2D, 14K4F		04.1994->12.1998		250-24805	
100 METRO								
111 C/L/S	XP	44	11K2D		09.1990->12.1998		250-24805	
114 S/L/GTA	XP	55	14K2D		12.1990->12.1998		250-24805	
114 GTi/GT 16V KAT	XP	66	14K4D,14K4F4		05.1990->12.1998		250-24805	
114 GTi 16V	XP	69	14K4C		05.1990->08.1991		250-24805	
	XP	76	14K4D,14K4F4		08.1991->12.1998		250-24805	
114 GSi	XP	76	14K4D,14K4F		10.1994->10.1995		250-24805	
200								
211	RF	44	11K2F		01.1998->03.2000		250-24193	
214i	RF	55	14K2F		11.1995->11.1999		250-24193	
	RF	55	14K2D		11.1995->03.1996		250-24805	
214 Si	RF	76	14K4F	605mm Length	11.1995->11.1999		250-24193	
	RF	76	14K4F	400mm Length	11.1995->03.1996		250-24805	
216 Si	RF	82	16K4F		11.1995->11.1999		250-24193	
218 K Vi	RF	107	18K16		10.1996->11.1999		250-24193	
200 COUPE								
216	XW	90	D16A8,D16Z2		10.1992->03.1996		250-21009	
220 Gsi	XW	100	20T4H		05.1994->03.1996		250-24193	
220 Turbo	XW	147	20T4G		10.1992->03.1996		250-24805	
200 HATCHBACK								
214	XW	55	14K2D		09.1993->10.1995		250-24805	
214 GSi/Si	XW	66	14K2D,14K4D		10.1989->09.1992		250-24805	
	XW	70	14K4C,14K4D,14K4F	w/ CAT	01.1990->04.1995		250-24805	
	XW	76	14K4F		12.1992->10.1995		250-24805	
216 GSi	XW	82	D16Z2		10.1989->10.1995		250-21009	
	XW	85	D16A7,D16Z2		10.1989->10.1995		250-21009	
216 GTi	XW	90	D16A8,D16Z2		04.1991->10.1995		250-21009	
	XW	96	D16A9		09.1990->11.1993		250-21009	
220 GTi	XW	100	20T4H		01.1993->10.1995		250-24193	
	XW	103	20M4F		09.1991->02.1992		250-24193	
220 Turbo	XW	147	20T4G		01.1993->10.1995		250-24805	
400								
414	XW	70	14K4F	w/ CAT	01.1993->04.1995		250-24805	
414 GSi/Si CAT	XW	66	14K4C,14K4D	w/ CAT	04.1990->09.1992		250-24805	
	XW	76	14K4F	w/ CAT	01.1993->04.1995		250-24805	
414 Si	RT	76	14K4F		06.1996->03.2000		250-24193	
416 GSi	XW	82	D16A7,D16Z2		04.1990->04.1995		250-21009	
416 GSi/GSE	XW	85	D16A7,D16Z2		04.1990->04.1995		250-21009	
416 GTi	XW	90	D16A8		04.1990->09.1992		250-21009	
416 GTi/GTE	XW	96	D16A9		04.1990->09.1992		250-21009	
416 Si	RT	82	D16Z2		05.1995->03.2000		250-21009	
	RT	82, 83	16K4F		05.1995->03.2000		250-24193	
	RT	83	D16Z2		05.1995->03.2000		250-21009	
420 GTi/GSi/SLI/Vite	XW	100	20T4H		01.1993->04.1995		250-24193	
420 GTi/GSi/Vitesse	XW	103	20M4F		02.1992->09.1992		250-24193	
420 Si Lux	RT	100	20T4H	w/ Air Conditioning	06.1996->03.2000		250-24805	
	RT	100	20T4H	w/o Air Conditioning	12.1995->03.2000		250-24193	
420 Turbo	XW	147	20T4G		01.1993->04.1995		250-24805	
400 HATCHBACK								
414 Si	RT	76	14K4F		05.1995->03.2000		250-24193	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
ROVER (cont'd)								
400 HATCHBACK (cont'd)								
416 Si	RT	82, 83	16K4F, 16K4F4		05.1995->03.2000		250-24193	
420 Si Lux	RT	100	20T4H	w/ Air Conditioning	12.1995->03.2000		250-24805	
	RT	100	20T4H	w/o Air Conditioning	12.1995->03.2000		250-24193	
400 TOURER								
1.6i	XW	82, 90	D16Z2		07.1994->11.1998		250-21009	
1.8i	XW	107	18K4K		06.1996->11.1998		250-24193	
2.0i	XW	100	20T4H		07.1994->04.1995		250-24193	
600								
618i	RH	85	F18A3		03.1996->02.1999		250-24400	
618 Si	RH	85	F18A3		03.1996->02.1999		250-24400	
620i	RH	85	F20Z2		08.1993->02.1999		250-24400	
620 Si	RH	96	F20Z1		08.1993->02.1999		250-24400	
623 Si	RH	116	H23A3		10.1993->02.1999		250-24400	
620 Ti Vitesse	RH	147	20T4G		07.1994->02.1999		250-24805	
800								
820i	XS	100	20T4H	w/ Air Conditioning	01.1996->09.1998		250-24805	
	XS	100	20T4H	w/o Air Conditioning	01.1992->09.1998		250-24193	
820 Si	XS	98	20HDM16		10.1988->12.1991		250-23802	
	XS	100	20T4H	w/ Air Conditioning	01.1996->09.1998		250-24805	
	XS	100	20T4H	w/o Air Conditioning	01.1992->09.1998		250-24193	
820 Sport	XS	145	20T4G		04.1994->03.1996		250-24805	
820 16V Turbo	XS	132	20T4GG		01.1992->12.1995		250-24805	
825 Si Lux	XS	129	25K4F		04.1996->02.1999		250-24272	
827 Si/Sterling	XS	124	C27A1, C27A2		02.1988->10.1991		250-21009	
	XS	130	C27A1, C27A2		02.1988->10.1991		250-21009	
800 COUPE								
825 Si		129	25K4F		04.1996->02.1999		250-24272	
827 24V		124	C27A1		08.1992->12.1995		250-21009	
800 HATCHBACK								
820i	XS	100	20T4H		01.1993->12.1995		250-24193	
820 Si	XS	98	20HDM16		10.1988->12.1991		250-23802	
	XS	100	20T4H		01.1993->12.1995		250-24193	
820 Sport	XS	145	20T4G		04.1994->03.1996		250-24805	
820 16V Turbo	XS	132	20T4GG		01.1992->12.1995		250-24805	
827 24V/Si	XS	124	C27A1		01.1992->12.1995		250-21009	
827 Vitesse/Sli	XS	130	C27A2		10.1988->10.1991		250-21009	
2.5	XS	129	25KV6F-175		02.1996->10.1998		250-24272	
2.5 Si	XS	129	25KV6F-175		02.1996->10.1998		250-24272	
CABRIOLET								
214 1.4	XW	66	14K4F4, 14K4D		03.1992->03.1996		250-24805	
	XW	70	14K4C		04.1992->09.1992		250-24805	
214 1.4i 16V	XW	76	14K4F		01.1993->03.1996		250-24805	
216 1.6i	XW	90	D16A8, D16Z2		03.1992->03.1996		250-21009	
216 1.6i 16V	XW	82	16K4F		03.1996->11.1999		250-24193	
	XW	82	D16Z2		01.1996->03.1996		250-21009	
COUPE								
1.6 16 V		82	16K4F		03.1996->11.1999		250-24193	
1.8 16 V		107	18K4K		03.1996->11.1999		250-24193	
SAAB								
9-3								
1.8t	YS3F	110	B207E		09.2002->12.2003		250-24497	250-24842
	YS3F	110	B207E		01.2004->up		250-24841	250-24353
1.8i	YS3F	90	Z18XE		01.2004->up		250-24733	250-24400
1.9 TiD	YS3F	88	Z19DT		09.2004->up			800-95017
	YS3F	110	Z19DTH		09.2004->up			800-95017
2.0i	YS3D	96	B204I		04.1998->12.2000		250-23079	
2.0 SE Turbo	YS3D	147	B204R		04.1998->12.1998		250-24163	
	YS3D	147	B204R		01.1999->08.2002		250-24135	
2.0t	YS3F	129	B207L		09.2002->12.2003		250-24497	250-24842
	YS3F	129	B207L		01.2004->up		250-24841	250-24353
	YS3F	154	B207R		09.2002->12.2003		250-24497	250-24842
	YS3F	154	B207R		01.2004->up		250-24841	250-24353
2.0 Turbo	YS3D	110	B205E		01.2001->08.2002		250-24409	250-24353
	YS3D	113	B204E		10.1998->08.2002		250-24135	250-24135
	YS3D	136	B205L, B204L		04.1998->12.1998		250-24163	
	YS3D	136	B204E		10.1998->08.2002		250-24135	
	YS3D	151	B205R		10.1999->08.2002		250-24409	250-24353
2.3i	YS3D	110	B234I		04.1998->12.2000		250-23079	
2.3 Turbo	YS3D	165	B235R		10.1999->09.2002		250-24409	250-24353



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SAAB (cont'd)								
9-3 (cont'd)								
2.8 Turbo V6	YS3F	184	B284L		06.2005->up		250-25035	250-24612
9-3 CABRIOLET								
1.8t	YS3F	110	B207E		08.2003->12.2003		250-24497	250-24842
	YS3F	110	B207E		01.2004->up		250-24841	250-24353
1.9 TiD	YS3F	110	Z19DTH		02.2006->up			800-95017
2.0i	YS3D	96	B204I		04.1998->12.2000		250-23079	
2.0 SE Turbo	YS3D	147	B204R	To Ch. No. X2020000, X7020000	04.1998->12.1998		250-24163	
	YS3D	147	B204R	Fr. Ch. No. X2020001, X7020001	01.1999->05.2003		250-24135	
2.0t	YS3F	129	B207L		08.2003->12.2003		250-24497	250-24842
	YS3F	129	B207L		01.2004->up		250-24841	250-24353
	YS3F	154	B207R		08.2003->12.2003		250-24497	250-24842
	YS3F	154	B207R		01.2004->up		250-24841	250-24353
2.0 Turbo	YS3D	110	B205E	Fr. Ch. No. Y3040001	01.2001->05.2003		250-24409	250-24353
	YS3D	113	B204E		10.1998->08.2002		250-24135	250-24135
	YS3D	136	B205L, B204L		04.1998->12.1998		250-24163	
	YS3D	136	B205L, B204L		01.1999->05.2003		250-24135	
	YS3D	151	B205R		10.1999->05.2003		250-24409	250-24353
2.3i	YS3D	110	B234I		04.1998->12.2000		250-23079	
2.3 Turbo	YS3D	165	B235R		10.1999->09.2001		250-24409	250-24353
2.8 Turbo V6	YS3F	184	B284L		02.2006->up		250-25035	250-24612
9-3 ESTATE								
1.8i		90	Z18XE		03.2005->up		250-24733	250-24400
1.9 TiD		88	Z19DT		06.2005->up			800-95017
		110	Z19DTH		06.2005->up			800-95017
2.0t		110	B207E		06.2005->up		250-24841	250-24353
		129	B207L		06.2005->up		250-24841	250-24353
		154	B207R		06.2005->up		250-24841	250-24353
2.8 Turbo V6		184	B284L		06.2005->up		250-25035	250-24612
9-5								
2.0t	YS3E	110	B205E	Leaded Fuel	09.1997->08.2001		250-24163	250-24353
	YS3E	110	B205E	Lead Free Fuel	09.1997->12.2000		250-24135	250-24353
	YS3E	110	B205E	Lead Free Fuel	01.2001->08.2001		250-24409	250-24353
2.0t Biopower	YS3E	132	B205L		02.2006->up		250-24409	250-24353
2.0 Turbo SE	YS3E	141	B205R	Leaded Fuel	10.1998->07.2000		250-24163	250-24353
	YS3E	141	B205R	Lead Free Fuel	10.1998->07.2000		250-24135	250-24353
2.3 Turbo	YS3E	162	B235L		09.2003->up		250-24409	250-24353
	YS3E	169	B235R	Leaded Fuel	10.1999->08.2001		250-24163	250-24353
	YS3E	169	B235R	Lead Free Fuel	10.1999->12.1999		250-24135	250-24353
	YS3E	169	B235R	Lead Free Fuel	01.2000->08.2001		250-24409	250-24353
	YS3E	184	B235R		09.2001->up		250-24409	250-24353
	YS3E	191	B235R		11.2005->up		250-24409	250-24353
2.3t	YS3E	125	B235E	Leaded Fuel	09.1997->08.2001		250-24163	250-24353
	YS3E	125	B235E	Lead Free Fuel	09.1997->12.1999		250-24135	250-24353
	YS3E	136	B235E	Leaded Fuel	01.2001->08.2001		250-24163	250-24353
	YS3E	125	B235E	Lead Free Fuel	01.2000->up		250-24409	250-24353
3.0 V6t	YS3E	147	B308E	To Ch. No. Y3040000	09.2001->up		250-24135	250-24177
	YS3E	147	B308E	Fr. Ch. No. Y3040000	01.1998->08.2003		250-24409	250-24410
9-5 ESTATE								
2.0t	YS3E	110	B205E	Leaded Fuel	10.1998->08.2001		250-24163	250-24353
	YS3E	110	B205E	Lead Free Fuel	10.1998->12.2000		250-24135	250-24353
	YS3E	110	B205E	Lead Free Fuel	01.2001->08.2001		250-24409	250-24353
	YS3E	141	B205R	Leaded Fuel	10.1998->08.2001		250-24163	250-24353
	YS3E	141	B205R	Lead Free Fuel	10.1998->12.2000		250-24135	250-24353
	YS3E	141	B205R	Lead Free Fuel	01.2001->08.2001		250-24409	250-24353
2.0t Biopower	YS3E	132	B205L		02.2006->up		250-24409	250-24353
2.3t	YS3E	125	B235E	Leaded Fuel	10.1998->08.2001		250-24163	250-24353
	YS3E	125	B235E	Lead Free Fuel	10.1998->12.1999		250-24135	250-24353
	YS3E	125	B235E	Lead Free Fuel	01.2000->08.2001		250-24409	250-24353
	YS3E	136	B235E	Leaded Fuel	01.2001->08.2001		250-24163	250-24353
	YS3E	136	B235E	Lead Free Fuel	01.2001->01.2005		250-24409	250-24353
2.3 Turbo	YS3E	162	B235L		09.2003->01.2005		250-24409	250-24353
	YS3E	169	B235R	Leaded Fuel	10.1999->08.2001		250-24163	250-24353
	YS3E	169	B235R	Lead Free Fuel	10.1999->12.1999		250-24135	250-24353
	YS3E	169	B235R	Lead Free Fuel	10.1999->08.2001		250-24409	250-24353
	YS3E	184	B235R		09.2001->11.2005		250-24409	250-24353
	YS3E	191	B235R		01.2006->06.2010		250-24409	250-24353
3.0 V6t	YS3E	147	B308E	To Ch. No. Y3040000	10.1998->08.2001		250-24135	250-24177
	YS3E	147	B308E	Fr. Ch. No. Y3040000	10.1998->08.2001		250-24409	250-24410
900 I								
2.0-16	AC4, AM4	92	B202XI		01.1986->12.1988		250-23048	
	AC4, AM4	93	B202I		01.1986->12.1988		250-23048	
	AC4, AM4	93	B202I		01.1990->06.1993		250-23516	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SAAB (cont'd)								
900 I (cont'd)								
2.0c	AC4, AM4	74	B2011		01.1986->12.1987		250-21015	
	AC4, AM4	74	B2011		01.1988->12.1988		250-23048	
2.0i	AC4, AM4	81,85	B201T,B201I		01.1986->12.1987		250-21015	
	AC4, AM4	81,85	B201T,B201I		01.1988->12.1989		250-23048	
2.0 S Turbo-16	AC4, AM4	104	B202S	Bosch F.I.	07.1991->06.1993		250-23048	
	AC4, AM4	104	B202S	Lucas F.I.	07.1991->06.1993		250-23516	
	AC4, AM4	107	B202S	Bosch F.I.	01.1992->06.1993		250-23048	
	AC4, AM4	107	B202S	Lucas F.I.	01.1992->06.1993		250-23516	
2.0 Turbo	AC4, AM4	103	B201S		10.1986->12.1989		250-21015	
	AC4, AM4	110	B201S		01.1986->12.1988		250-21015	
2.0 Turbo-16	AC4, AM4	118	B202L	Bosch F.I.	01.1986->06.1993		250-23048	
	AC4, AM4	118	B202L	Lucas F.I.	06.1990->06.1993		250-23516	
2.0 Turbo-16 S	AC4, AM4	129	B202L		01.1986->12.1988		250-23048	
2.0 Turbo-16 S CAT	AC4, AM4	129	B202L	Bosch F.I.	01.1989->06.1993		250-23048	
	AC4, AM4	129	B202L	Lucas F.I.	01.1990->06.1993		250-23516	
2.1-16	AC4, AM4	100	B212I		09.1990->08.1993		250-23048	
900 I CABRIOLET								
2.0 -16		93	B202I	Bosch F.I.	01.1990->06.1993		250-23048	
		93	B202I	Lucas F.I.	01.1990->06.1993		250-23516	
2.0 S Turbo-16		104	B202S	Bosch F.I.	09.1991->06.1993		250-23048	
		104	B202S	Lucas F.I.	09.1991->06.1993		250-23516	
2.0 Turbo-16		118	B202L	Bosch F.I.	11.1986->08.1993		250-23048	
		118	B202L	Lucas F.I.	01.1990->06.1994		250-23516	
2.0 Turbo-16 S		129	B202L	Bosch F.I.	01.1989->06.1993		250-23048	
		129	B202L	Lucas F.I.	01.1990->06.1993		250-23516	
2.1-16		100	B212I		09.1991->08.1993		250-23048	
900 I COUPE								
2.0-16		92	B202XI		01.1986->12.1988		250-23048	
		93	B202I	Bosch F.I.	01.1989->08.1992		250-23048	
		93	B202I	Lucas F.I.	01.1989->08.1992		250-23516	
2.0c		74	B201I,B201T		01.1986->12.1987		250-21015	
		74	B201I,B201T		01.1988->12.1989		250-23048	
2.0i		81,85	B201I,B201T		01.1986->12.1987		250-21015	
		81,85	B201I,B201T		01.1988->12.1989		250-23048	
2.0 S Turbo-16		104	B202S	Bosch F.I.	09.1991->06.1993		250-23048	
		104	B202S	Lucas F.I.	09.1991->06.1993		250-23516	
2.0 T8		114	B201S		10.1986->09.1989		250-21015	
2.0 Turbo		103	B201XL		10.1986->12.1989		250-21015	
		107	B201S		09.1978->07.1985		250-21015	
		110	B201S		01.1986->12.1988		250-21015	
2.0 Turbo-16		118	B202L	Bosch F.I.	01.1986->06.1993		250-23048	
		118	B202L	Lucas F.I.	01.1990->06.1993		250-23516	
		132	B204L		07.1993->06.1994		250-23079	
2.0 Turbo-16 S		129	B202L		01.1986->12.1988		250-23048	
2.0 Turbo-16 S CAT		125	B202L		01.1990->06.1993		250-23516	
		125	B202XL		01.1989->06.1993		250-23048	
2.1-16		100	B212I		09.1990->07.1993		250-23048	
900 I COMBI								
2.0-16		92	B202XI		01.1986->12.1988		250-23048	
		93	B202I	Bosch F.I.	01.1989->08.1992		250-23048	
		93	B202I	Lucas F.I.	01.1989->08.1992		250-23516	
2.0c		74	B201I,B201T		01.1986->12.1987		250-21015	
		74	B201I,B201T		01.1988->12.1989		250-23048	
2.0i		81,85	B201I,B201T		01.1986->12.1987		250-21015	
		81,85	B201I,B201T		01.1988->12.1989		250-23048	
2.0 S Turbo-16		104	B202S	Bosch F.I.	09.1991->06.1993		250-23048	
		104	B202S	Lucas F.I.	09.1991->06.1993		250-23516	
2.0 T8		114	B201S		10.1986->09.1989		250-21015	
2.0 Turbo		103	B201XL		10.1986->12.1989		250-21015	
		107	B201S		09.1978->07.1985		250-21015	
		110	B201S		01.1986->12.1988		250-21015	
2.0 Turbo-16		118	B202L	Bosch F.I.	01.1986->06.1993		250-23048	
		118	B202L	Lucas F.I.	01.1990->06.1993		250-23516	
		132	B204L		07.1993->06.1994		250-23079	
2.0 Turbo-16 S		129	B202L		01.1986->12.1988		250-23048	
2.0 Turbo-16 S CAT		125	B202L		01.1990->06.1993		250-23516	
		125	B202XL		01.1989->06.1993		250-23048	
2.1-16		100	B212I		09.1990->07.1993		250-23048	
900 II								
2.0-16 Turbo		136	B204L		09.1993->12.1995		250-23079	
		136	B204L		01.1996->02.1998		250-24163	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SAAB (cont'd)								
900 II (cont'd)								
2.0i		96	B204I		09.1994->02.1998		250-23079	
		98	B206I	Leaded Fuel	09.1993->07.1994		250-23079	
		98	B206I	Lead Free Fuel	07.1993->07.1994		250-23100	
2.3-16		110	B234I		09.1993->02.1998		250-23079	
2.5-24 V6		125	B258I		07.1993->02.1998	Left	250-23078	●250-24048
		125	B258I		07.1993->02.1998	Right	250-23078	
900 II CABRIOLET								
2.0-16 Turbo		136	B204L		07.1994->12.1995		250-23079	
		136	B204L		01.1996->02.1998		250-24163	
2.0i		96	B204I	Leaded Fuel	09.1994->02.1998		250-23079	
		96	B204I	Lead Free Fuel	12.1993->02.1998		250-23100	
2.3-16		110	B234I		03.1994->02.1998		250-23079	
2.5-24 V6		125	B258I		03.1994->02.1998		250-23078	
900 II COUPE								
2.0-16 Turbo		136	B204L		02.1994->12.1995		250-23079	
		136	B204L		01.1996->02.1998		250-24163	
2.0i		96,98	B204I,B206I		02.1994->02.1998		250-23079	
2.3-16		110	B234I		02.1994->02.1998		250-23079	
2.5-24 V6		125	B258I	Leaded Fuel	03.1994->02.1998		250-23078	
		125	B258I	Lead Free Fuel	09.1995->02.1998		250-24546	
9000								
2.0-16		94	B202I		08.1990->12.1991		250-23048	
		94	B202I		01.1992->01.1993		250-23100	
2.0-16 CD		96	B204I		07.1994->07.1998		250-23092	
		110	B204E		09.1994->12.1998		250-23079	
2.0-16 Turbo		118	B202XL		05.1988->08.1991		250-23048	
		118	B202XL		09.1991->08.1993		250-23100	
2.0-16 Turbo		129	B202XL		01.1988->12.1991		250-23048	
		129	B202XL		01.1992->07.1993		250-23100	
2.0-16 Turbo CD		108	B204E		09.1994->12.1998		250-23079	
		108	B202S		09.1992->12.1998		250-23100	
		120	B202XL		09.1988->08.1991		250-23048	
		120	B202XL		09.1991->08.1993		250-23100	
		136	B204L		07.1993->12.1995		250-23079	
2.3-16 CD		107	B234I		01.1990->12.1991		250-23048	
		107	B234I		01.1992->12.1993		250-23100	
2.3-16 CD Turbo		147	B234E	Leaded Fuel	07.1992->12.1995		250-23079	
		147	B234E	Lead Free Fuel	07.1992->12.1993		250-23100	
		147	B234E,B234L		01.1996->07.1998		250-24163	
2.3-16 CDE		108	B234I		07.1994->07.1998		250-23092	
2.3-16 CDE Eco-Power	125		B234E		07.1994->12.1995		250-23079	
		125	B234E		01.1996->07.1998		250-24163	
2.3-16 Turbo		143	B234L	Leaded Fuel	09.1990->12.1991		250-23048	
		143	B234L	Leaded Fuel	01.1992->07.1993		250-23079	
		143	B234L	Lead Free Fuel	09.1991->08.1993		250-23100	
3.0-24 V6 CD/CDE		155	B308I		07.1994->07.1998	Left	250-23078	
		155	B308I		07.1994->07.1998	Right	250-23078	
9000 HATCHBACK								
2.0-16		92,94	B202I		03.1986->12.1986		250-23048	
		92,94	B202I		01.1987->12.1988		250-23028	
2.0-16 CS		94	B202I		01.1989->12.1989		250-23028	
		94	B202I		01.1990->12.1991		250-23048	
		94	B202I		01.1992->12.1993		250-23100	
		94,96	B202I,B204I		01.1994->07.1998		250-23092	
2.0-16 ND Turbo		110	B204E		09.1994->12.1998		250-23079	
2.0-16 Turbo		118	B202XL		01.1990->08.1993		250-23048	
		120	B202XL		05.1988->08.1991		250-23048	
		120	B202XL		09.1991->08.1993		250-23100	
		129	B202L		08.1988->12.1991		250-23048	
2.0-16 Turbo CS		136	B202L		09.1988->12.1998		250-23048	
2.3-16 Aero CS		162	B235R		07.1993->12.1993		250-23100	
		162	B235R		01.1996->07.1998		250-24163	
		165	B235R	Leaded Fuel	07.1993->12.1995		250-23079	
		165	B235R	Lead Free Fuel	07.1993->12.1993		250-23100	
		165	B235R		01.1996->07.1998		250-24163	
2.3-16 CS		107	B234I		08.1990->12.1991		250-23048	
		107	B234I		01.1992->12.1993		250-23100	
2.3-16 CSE		108	B234I		09.1994->08.1995		250-23092	
2.3-16 CSE Eco Power		125	B234E	Leaded Fuel	09.1993->12.1995		250-23079	
		125	B234E	Lead Free Fuel	09.1993->12.1993		250-23100	
		125	B234E		01.1996->07.1998		250-24163	
		143	B234L	Leaded Fuel	09.1990->12.1995		250-23079	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SAAB (cont'd)								
9000 HATCHBACK (cont'd)								
2.3-16 Turbo		143	B234L	Lead Free Fuel	09.1990->12.1991		250-23048	
		143	B234L	Lead Free Fuel	01.1992->12.1993		250-23100	
2.3-16 Turbo CSE		147	B234L		01.1994->12.1995		250-23079	
		147	B234L		01.1996->07.1998		250-24163	
3.0-24 V6 CS/CSE		155	B308I		09.1994->07.1998	Left	250-23078	
		155	B308I		09.1994->07.1998	Right	250-23078	
SEAT								
ALHAMBRA								
1.8 T 20V	7V8, 7V9	110	AJH		05.1998->05.2000		250-24558	
	7V8, 7V9	110	AWC		06.2000->up		250-25003	250-24734
2.0i	7V8, 7V9	85	ADY		04.1996->05.2000		250-24194	
	7V8, 7V9	85	ATM		06.2000->up		250-25003	250-24734
2.8 V6	7V8, 7V9	150	AYL		06.2000->05.2003		250-25007	250-24170
2.8 V6 4motion	7V8, 7V9	150	AYL		05.2002->up		250-25007	250-24170
ALTEA								
1.4 16V	5P1	63	BXW		05.2006->up		250-24953	250-24753
1.4 TSI	5P1	92	CAXC		11.2007->up		250-241054	
1.6	5P1	75	BGU		03.2004->05.2005		250-25061	250-24753
	5P1	75	BSE		05.2005->05.2007		250-25061	250-24753
	5P1	75	BSF		05.2005->up		250-25061	250-24753
1.8 TFSI	5P1	118	BZB		06.2007->04.2008		250-24755	
	5P1	118	BZB		04.2008->up		250-24671	
1.9 TDI	5P1	77	BLS		10.2005->up			800-95004
2.0 FSI	5P1	110	BLR		05.2004->11.2005	Left	250-25077	250-24717
	5P1	110	BLR		05.2004->11.2005	Right	250-25033	250-24717
	5P1	110	BLY		05.2004->11.2005		250-25078	250-24717
2.0 FSI	5P1	110	BVY		11.2005->03.2009	Left	250-25077	250-24717
	5P1	110	BVY		11.2005->03.2009	Right	250-25033	250-24717
	5P1	110	BVZ		11.2005->03.2009		250-25078	250-24717
2.0 TDI	5P1	103	BMM		01.2006->up			800-95004
	5P1	125	BMN		03.2006->up		250-25065	
2.0 TFSI	5P1	147	BWA		05.2006->up		250-25035	250-24699
ALTEA XL								
1.4 16V	5P5, 5P8	63	BXW		10.2006->up		250-24953	250-24753
1.4 TSI	5P5, 5P8	92	CAXC		11.2007->up		250-241054	
1.6	5P5	75	BSF		10.2006->up		250-25061	250-24753
1.8 TFSI	5P5, 5P8	118	BYT		01.2007->04.2008		250-24755	
	5P5, 5P8	118	BZB		04.2008->up		250-24671	
1.9 TDI	5P5	77	BLS		10.2006->up			800-95004
2.0 FSI	5P5, 5P8	110	BVY		10.2006->03.2009	Left	250-25077	250-24717
	5P5, 5P8	110	BVY		10.2006->03.2009	Right	250-25033	250-24717
	5P5, 5P8	110	BVZ		10.2006->03.2009		250-25078	250-24717
2.0 TDI	5P5	103	BMM		10.2006->up			800-95004
2.0 TDI 4x4	5P5, 5P8	125	BMN		06.2007->up		250-25065	
2.0 TFSI 4x4	5P5	147	BWA		06.2007->up		250-25035	250-24699
AROSA								
1.0	6H	37	AER		05.1997->09.1999		250-24560	
	6H	37	AHT		11.1998->02.2000		250-24558	
	6H	37	ALD		07.1999->07.2000		250-24432	
	6H	37	ALL		08.1997->05.1999		250-24558	
	6H	37	ANV,AUC		07.1999->09.2002		250-25007	250-24697
	6H	37	ANV,AUC	Fr. Ch. No. 3-009 601	09.2002->06.2004		250-25007	250-24689
1.4	6H	44	AKK		07.1999->10.2000		250-24432	
	6H	44	AKV,AEX,APO		05.1997->01.1999		250-24558	
	6H	44	ANW		01.1999->06.2004		250-25007	250-24697
	6H	44	AUD	AT	04.2001->06.2004		250-25007	250-24689
	6H	44	AUD	MT	08.2000->09.2002		250-25007	250-24697
	6H	44	AUD	MT	09.2002->06.2004		250-25007	250-24689
1.4 16V	6H	74	AFK		02.2000->09.2000		250-24558	250-24574
CORDOBA								
1.0i	6K2/C2	37	AER	To Ch. No. 6K..X..127 000	06.1997->10.1998		250-24147	
	6K2/C2	37	AER	Fr. Ch. No. X..127 001	10.1998->04.1999		250-24558	
1.2	6L2	47	AZQ		10.2002->04.2004		250-25003	250-24966
	6L2	47	BME		11.2004->06.2006		250-24797	250-24966
1.2 12V	6L2	51	BXV		05.2006->up		250-24797	250-24966
1.4 16V	6L2	55	BBY,BKY		09.2002->up			250-24940
	6L2	55	BKY		05.2004->12.2007		250-25062	250-24940
	6L2	63	BXW		05.2006->11.2009		250-24953	250-24940
	6L2	74	BBZ		10.2002->up			250-24940
1.4i	6K2/C2	44	ABD		06.1994->12.1994		250-24066	
	6K2/C2	44	ABD,AEX	To Ch. No. V 165 000	01.1995->04.1997		250-24719	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SEAT (cont'd)								
CORDOBA (cont'd)								
1.4i	6K2/C2	44	AEX,AKV,ABD,ANX,APO	Fr.Ch.No. V 165 001 ,ToCh.No. X 127 000	04.1997->10.1998		250-24147	
	6K2/C2	44	AKV,APQ	Fr. Ch. No. X 127 001	10.1998->04.1999		250-24558	
1.4 i 16V	6K2/C2	74	AFH		06.1997->04.1999		250-24719	
1.4 TDI	6L2	59	BMS		06.2006->11.2009			800-95007
1.6	6L2	74	BAH		04.2003->up		250-24263	250-24431
1.6i	6K2/C2	55	ABU		09.1993->08.1994		250-24066	
	6K2/C2	55	ABU,ALM,AEE	To Ch. No. TR 075 000	11.1993->02.1994		250-21037	
	6K2/C2	55	ABU,ALM,AEE	Fr. Ch. No. TR 075 001	02.1994->04.1999		250-24719	
	6K2/C2	74	AFT		07.1996->04.1999		250-24194	
1.6 16V	6L2	77	BTS		11.2006->11.2009		250-24953	250-24753
1.8i	6K2/C2	66	ABS	A/T	09.1993->08.1994		250-23023	
	6K2/C2	66	ABS	M/T	09.1993->02.1994		250-21037	
	6K2/C2	66	ABS,ACC,ADZ		02.1994->04.1999		250-24719	
1.8i 16V	6K2/C2	95	ADL		02.1994->06.1996		250-24066	
1.9 TDI	6L2	74	BMT		09.2002->up			800-95007
2.0	6L2	85	BBX		04.2003->up		250-24431	250-24431
2.0i	6K2/C2	85	2E		09.1993->06.1996		250-24066	
	6K2/C2	85	AGG		04.1996->04.1999		250-24194	
2.0i 16V	6K2/C2	110	ABF		08.1996->04.1999		250-24307	
CORDOBA HATCHBACK								
1.0	6K2	37	ALD		08.1999->08.2002		250-24432	
	6K2	37	ANV,AUC		08.1999->10.2002		250-25007	250-24689
1.0 16V	6K2	51	AVZ		05.2000->08.2002		250-24558	
1.4	6K2	44	AKK		08.1999->08.2002		250-24432	
	6K2	44	ANW,AUD	To Ch. No. 1 148 000	08.1999->08.2002		250-25007	250-24689
	6K2	44	ANW,AUD	Fr.Ch.No.6K.1148 001, To Ch.No.2205000	10.2000->05.2002		250-25007	250-24432
	6K2	44	ANW,AUD	Fr. Ch. No. 2-205 001	05.2002->08.2002		250-25007	250-24495
1.4 16V	6K2	55,74	APE, AUB,AQQ		05.2000->08.2002			250-24576
1.6	6K2	55	ALM		06.1999->08.2002		250-24719	
	6K2	74	AEH,AKL		06.1999->08.2002		250-24432	
	6K2	74	APF,AUR		09.1999->08.2002		250-25007	250-24689
1.8 T 20V Cupra	6K2	115	AQX,AYP		07.2000->08.2002		250-24431	
CORDOBA VARIO								
1.4	6K5	44	AKK		06.1999->08.2002		250-24432	
	6K5	44	ANW		06.1999->08.2002		250-25007	250-24689
	6K5	44	AUD	To Ch. No. 6K..1..148 000	06.2000->10.2000		250-25007	250-24689
	6K5	44	AUD	Fr. Ch. No. 2-205 001	05.2002->08.2002		250-25007	250-24495
	6K5	44	AUD	Fr.Ch.No. 1 148 001,To Ch.No. 2 205 000	10.2000->05.2002		250-25007	250-24432
	6K5	74	AQQ		02.2000->08.2002			250-24576
1.4 16V	6K5	55	APE,AUA		09.1999->08.2002			250-24576
1.4i	6K5	44	AEX,AKV,ANX,APO	To Ch. No. X 127 000	05.1997->10.1998		250-24147	
	6K5	44	AKV,APQ	Fr. Ch. No. X 127 001	10.1998->05.1999		250-24558	
1.6	6K5	55	ALM		06.1999->08.2002		250-24719	
	6K5	74	AEH,AKL		06.1999->08.2002		250-24432	
	6K5	74	APF,AUR		03.2000->08.2002		250-25007	250-24689
1.6i	6K5	55	1F,AEE		05.1997->05.1999		250-24719	
	6K5	74	AFT		04.1998->05.1999		250-24594	
EXEO								
1.6	3R2	75	ALZ		03.2009->09.2010			250-241051
EXEO ST								
1.6	3R5	75	ALZ		06.2009->09.2010			250-241051
IBIZA I								
1.2i	021A	52	021C.1000		12.1989->05.1993		250-23048	
1.5i	021A	65	021D.2000		11.1989->05.1993		250-23048	
1.5i CAT	021A	66	021C.2000		10.1986->05.1993		250-23048	
1.7	021A	72,76	021A.3000		01.1991->05.1993		250-23048	
IBIZA II								
1.0	6K1	33	AAU		03.1993->12.1994		250-24066	
	6K1	33	AAU		12.1994->06.1996		250-24719	
1.0i	6K1	37	AER	To Ch. No. V 165 000	09.1996->04.1997		250-24719	
	6K1	37	AER	Fr.No.6K.V165001,To No.6K.X.127 000	04.1997->10.1998		250-24147	
	6K1	37	AER	Fr. Ch. No. 6K..X..127 001	10.1998->06.1999		250-24558	
1.3i	6K1	40	2G,AAV		03.1993->07.1994		250-24066	
1.4i	6K1	44	ABD		09.1993->12.1994		250-24066	
	6K1	44	ABD,AEX	To Ch. No. V 165 000	12.1994->04.1997		250-24719	
	6K1	44	AEX,AKV,APQ,ANX	Fr.Ch.No.V165001, To Ch.No.X127000	04.1997->10.1998		250-24147	
	6K1	44	AEX,AKV,APQ	Fr. Ch. No. X 127 001	10.1998->06.1999		250-24558	
1.4i 16V	6K1	74	AFH		06.1997->06.1999		250-24719	
1.6i	6K1	55	1F		09.1994->06.1996		250-24719	
	6K1	55	ABU		03.1993->07.1994		250-24066	
	6K1	55	AEE,ALM		09.1997->06.1999		250-24719	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SEAT (cont'd)								
IBIZA II (cont'd)								
1.6i	6K1	74	AFT		04.1996->06.1999		250-24194	
1.8i	6K1	66	ABS	A/T	03.1993->12.1993		250-21037	
	6K1	66	ABS	M/T	03.1993->06.1996		250-23023	
	6K1	66	ADZ,ABS		12.1993->06.1999		250-24719	
1.8i 16V	6K1	95	ADL		02.1994->06.1996		250-24066	
2.0i	6K1	85	2E		03.1993->06.1996		250-24066	
	6K1	85	AGG		07.1996->06.1999		250-24194	
2.0i 16V	6K1	110	ABF		08.1996->06.1999		250-24307	
IBIZA III								
1.0	6K1	37	ALD		08.1999->11.2001		250-24432	
	6K1	37	ANV,AUC		08.1999->11.2001		250-25007	250-24689
1.0 16V	6K1	51	AVZ		05.2000->11.2001		250-24558	
1.4	6K1	44	AKK		08.1999->11.2001		250-24432	
	6K1	44	ANW,AUD	To Ch. No. 6K.1..148 500	08.1999->11.2001		250-25007	250-24689
	6K1	44	ANW,AUD	Fr. Ch. No. 1 148 501	08.1999->11.2001		250-25007	250-24432
1.4 16V	6K1	55,74	APE,AUA,AUB,AQQ		05.2000->11.2001		250-24940	250-24576
1.6	6K1	55	ALM		08.1999->11.2001		250-24719	
	6K1	74	AEH,AKL		08.1999->11.2001		250-24432	
	6K1	74	APF,AUR		03.2000->11.2001		250-25007	250-24689
1.8 T 20V Cupra	6K1	115	AYP,AQX		07.2000->11.2001		250-24431	
IBIZA IV								
1.2	6L1	44	BBM		06.2007->05.2008		250-24941	250-24966
	6L1	47	AZQ		02.2002->04.2004		250-25003	250-24966
	6L1	47	BME		11.2004->06.2006		250-24797	250-24966
1.2 12V	6L1	51	BXV		05.2006->up		250-24797	250-24966
1.4 16V	6L1	55	BBY,BKY		02.2002->15.2004		250-24940	
1.4 16V	6L1	55	BBY,BKY		05.2004->12.2007		250-25062	250-24940
	6L1	63	BXW		05.2006->up		250-24953	250-24940
	6L1	74	BBZ,AUB		02.2002->up		250-24940	
1.4 TDI	6L1	59	BMS		06.2006->up		800-95007	
1.6	6L1	74	BAH		04.2003->up		250-24263	250-24431
1.6 16V	6L1	77	BTS		11.2006->up		250-24953	250-24753
1.8 T Cupra R	6L1	132	BBU		05.2004->02.2008		250-25008	250-24734
1.8 T FR	6L1	110	BJX		12.2003->05.2008		250-25008	250-24734
1.9 TDI	6L1	74	BMT		09.2006->up		800-95007	
2.0	6L1	85	AZL		07.2002->up		250-24431	
	6L1	85	BBX		04.2003->up		250-24431	
IBIZA V								
1.2	6J5	44	CGPB		07.2009->up		250-24966	250-24966
1.2	6J5	51	BZG		03.2008->up		250-24797	250-24966
1.2 TSI	6J5	63	CBZA		08.2012->up		250-25092	
	6J5	77	CBZB		09.2010->up		250-25092	
1.4	6J5	63	BXW		03.2008->up		250-24953	250-24940
1.4 TDI	6J5	59	BMS		07.2008->up		800-95007	
1.6	6J5	77	BTS	Fr.Con. 02.2012	05.2008->up		250-24966	
1.6 TDI	6J5	66	CAYB	Ireland	05.2009->up		250-25062	
	6J5	77	CLNA, CAYC	Ireland	05.2009->up		250-25062	
1.9 TDI	6J5	66,77	BXJ,BLS		07.2008->up		800-95007	
IBIZA V SPORTCOUPE								
1.2	6J1	44	CGPB		07.2009->up		250-24966	250-24966
1.2	6J1	51	BZG		07.2008->up		250-24797	250-24966
1.2 TSI	6J1	77	CBZB		09.2010->up		250-25092	
1.4	6J1	63	BXW		07.2008->up		250-24953	250-24940
1.4 TDI	6J1	59	BMS		07.2008->up		800-95007	
1.6 TDI	6J1	66	CAYB	Ireland	05.2009->up		250-25062	
	6J1	77	CAYC, CLNA	Ireland	05.2009->up		250-25062	
1.9 TDI	6J1	66	BXJ		07.2008->up		800-95007	
IBIZA V ST								
1.2	6J8	44	CGPB		05.2010->up		250-24966	250-24966
	6J8	51	CGPA		05.2010->up		250-24966	
1.2 TSI	6J8	63	CBZA		09.2012->up		250-25092	
	6J8	77	CBZB		09.2010->up		250-25092	
1.6 TDI	6J8	66	CAYB	Ireland	03.2010->up		250-25062	
	6J8	77	CLNA, CAYC	Ireland	03.2010->up		250-25062	
INCA								
1.4i	6K9	44	AEX	To Ch. No. V-015 500	11.1995->05.1997		250-24719	
	6K9	44	AEX	Fr. Ch. No. V-015 501	05.1997->12.1997		250-24147	
	6K9	44	AKV,APQ	To Ch. No. X-010 000	12.1997->10.1998		250-24147	
	6K9	44	AKV,APQ	Fr. Ch. No. X-010 001	10.1998->09.2000		250-24558	
	6K9	44	AUD	To Ch. No. 1-010 200	09.2000->11.2001		250-25007	250-24689
	6K9	44	AUD	Fr. Ch. No. 3-001 200	05.2002->06.2003		250-25007	250-24495



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SEAT (cont'd)								
INCA (cont'd)								
1.4i	6K9	44	AUD	Fr. Ch. No. 1-010 201	11.2001->05.2002		250-25007	250-24432
1.4 16V	6K9	55	AUA		09.2000->06.2003			250-24576
1.6i	6K9	55	1F,AEE		11.1995->05.1998		250-24719	
LEON								
1.2 TSI	1P1	77	CBZB		02.2010->up		250-25092	
1.4 TSI	1P1	92	CAXC		11.2007->up		250-241054	
1.4 16V	1M1	55	AHW		01.2000->05.2002		250-24558	
	1M1	55	BCA		02.2002->10.2005		250-25003	250-24432
	1M1	55	APE		11.1999->05.2000		250-25003	250-24431
	1M1	55	AXP		06.2000->02.2002		250-25003	250-24432
	1P1	63	BXW		06.2006->up		250-24953	250-24753
1.6	1M1	74	AKL,AEH		11.1999->10.2005		250-24843	
	1P1	75	BFQ		10.2005->05.2006		250-25004	250-24432
	1P1	75	BSE,BSF,CCS		07.2005->up		250-25061	250-24753
1.6 16 V	1M1	77	AUS,BCB,AZD		09.2000->10.2005			250-24940
1.8 20V	1M1	92	AGN		11.1999->12.2003		250-24558	
	1M1	92	APG		06.2000->10.2005		250-25003	250-24432
1.8 20V T	1M1	132	APP		11.1999->10.2005		250-24734	250-24432
	1M1	132	AUQ		09.2000->10.2005		250-25003	250-24734
1.8 20V T 4	1M1	132	AJO		03.2000->01.2001		250-24170	
	1M1	132	ARY		09.2000->04.2004		250-25003	250-24432
	1M1	132	AUQ		05.2001->05.2003		250-25003	250-24734
1.8 T Cupra R	1M1	154	AMK		05.2002->05.2003		250-25002	250-24432
	1M1	165	BAM		07.2003->06.2006		250-25002	250-24432
1.8 TSI	1P1	118	BZB	To Eng. No. 108 000	06.2007->up		250-24755	
	1P1	118	BZB	Fr. Eng. No. 108 001	06.2007->up		250-24671	
1.9 TDI	1P1	77	BLS		11.2005->05.2006			800-95004
2.0 FSI	1P1	110	BLR,BVY		07.2005->05.2010	Left	250-25077	250-24717
	1P1	110	BLR,BVY		07.2005->05.2010	Right	250-25033	250-24717
	1P1	110	BLY		07.2005->11.2005		250-25078	250-24717
	1P1	110	BVZ		11.2005->05.2010		250-25078	250-24717
2.0 TDI	1P1	103	BMM		10.2005->up			800-95004
	1P1	125	BMN		05.2006->up		250-25065	
2.0 TFSI	1P1	136	BWA		11.2005->05.2006		250-25035	250-24699
	1P1	147	BWA		11.2005->up		250-25035	250-24699
	1P1	177	BWJ		11.2006->up		250-25035	250-24699
2.8 Cupra 4	1M1	150	AUE		02.2001->07.2001	Left	250-25008	250-24493
	1M1	150	AUE		02.2001->07.2001	Right	250-25008	250-24263
	1M1	150	BDE		06.2001->04.2004	Left	250-25008	250-24493
	1M1	150	BDE		06.2001->04.2004	Right	250-25004	250-24263
MALAGA								
1.2i	023A	52	021C.1000		12.1989->12.1993		250-23048	
1.5i	023A	74	021B.2000		11.1989->12.1993		250-23048	
1.5i CAT	023A	66	021A2000		10.1986->12.1993		250-23048	
MARBELLA								
0.9 CAT	28	29	09NCB		01.1992->11.1996		250-23032	
TOLEDO I								
1.6i	1L	52	1F	To Ch. No. 1L.ZD308450	05.1991->11.1993		250-21011	
	1L	52	1F	Fr.No.1LZD308451, To No.1LZR054453	12.1993->12.1993		250-21037	
	1L	54	1F		05.1991->10.1993		250-21011	
	1L	54	1F		10.1993->09.1995		250-21037	
	1L	54	1F		09.1995->09.1998		250-24719	
	1L	55	1F		10.1995->09.1998		250-24719	
	1L	74	AFT,AKS		11.1996->09.1998		250-24194	
1.8 16V	1L	92	PL		05.1991->08.1993		250-23048	
1.8i	1L	65	RP		05.1991->10.1993		250-21011	
	1L	65	RP		10.1993->11.1993		250-21037	
	1L	66	ABS		11.1993->07.1994		250-24719	
	1L	66	ADZ		07.1994->09.1995		250-21037	
	1L	66	ADZ		10.1995->12.1996		250-24719	
2.0i	1L	85	2E		03.1994->01.1995		250-24066	
	1L	85	2E		01.1995->09.1995		250-24307	
	1L	85	AGG		10.1995->09.1998		250-24194	
2.0i 16V	1L	110	ABF		03.1994->01.1995		250-24066	
	1L	110	ABF		01.1995->09.1998		250-24307	
TOLEDO II								
1.4 16V	1M2	55	AHW		01.2000->05.2002		250-24558	
	1M2	55	AXP		06.2000->02.2002		250-25003	250-24432
1.6	1M2	74	AKL,AEH		04.1999->09.2000		250-24843	
1.6 16V	1M2	77	AUS,AZD,BCB		09.2000->07.2004			250-24940
1.8 20V	1M2	92	AGN		05.1999->12.2003		250-24558	
	1M2	92	APG		06.2000->07.2004		250-25003	250-24432



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SEAT (cont'd)								
TOLEDO II (cont'd)								
1.8 20VT	1M2	132	AUQ		05.2001->07.2004		250-25003	250-24734
2.3 V5	1M2	110	AGZ		04.1999->11.2000		250-24558	
2.3 V5 20V	1M2	125	AQN		05.2001->11.2003		250-25003	250-24170
TOLEDO III								
1.6	5P2	75	BGU,BSE,BSF		10.2004->05.2009		250-25061	250-24753
1.8 TFSI	5P2	118	BZB		06.2007->04.2008		250-24755	
	5P2	118	BZB		04.2008->up		250-24671	
1.9 TDI	5P2	77	BLS		10.2004->up			800-95004
2.0 FSI	5P2	110	BLR		10.2004->11.2005	Left	250-25077	250-24717
	5P2	110	BLR		10.2004->11.2005	Right	250-25033	250-24717
	5P2	110	BLY		10.2004->11.2005		250-25078	250-24717
	5P2	110	BVY		11.2005->up	Left	250-25077	250-24717
	5P2	110	BVY		11.2005->up	Right	250-25033	250-24717
	5P2	110	BVZ		11.2005->up		250-25078	250-24717
2.0 TDI	5P2	103	BMM		11.2005->05.2009			800-95004
	5P2	125	BMN		01.2006->05.2009		250-25065	
2.0 TDI 16V	5P2	103	BMM		01.2006->05.2009			800-95004
2.0 TFSI	5P2	147	BWA		05.2006->05.2009		250-25035	250-24699
TOLEDO IV								
1.2	KG3	55	CGPC		07.2012->up		250-25092	
1.2 TSI	KG3	63	CBZA		07.2012->up		250-25092	
	KG3	77	CBZB		07.2012->up		250-25092	
1.6 TDI	KG3	77	CAYC	For OE# 03L906262E	07.2012->up			250-25062
SKODA								
FABIA								
1.0	6Y2	37	AQV		10.2000->08.2002		250-25007	250-24432
	6Y2	37	ARV		10.2000->08.2002		250-24495	250-24432
1.2	6Y2	40	AWY,BMD		08.2002->03.2008			250-24966
		51	BZG		01.2007->up		250-24797	250-24966
		44	BBM		12.2006->up		250-24941	250-24966
	6Y2	47	BME		12.2004->11.2006		250-24797	250-24966
1.2	6Y2	40	BMD	610mm Length	08.2004->04.2007		250-24941	250-24966
	6Y2	40	BMD	730mm Length	05.2004->07.2004		250-24569	250-24966
	6Y2	40	AWY		08.2002->05.2004		250-24941	250-24966
	6Y2	47	AZQ		01.2003->12.2004		250-25008	250-24966
1.2 TSI		77	CBZB		03.2010->up		250-25092	
1.4		63	BXW		01.2007->up		250-24953	250-24940
	6Y2	50	AQW		08.2000->05.2003		250-25007	250-24432
	6Y2	44	AZE		08.2000->08.2002		250-24495	
	6Y2	44	AZF		08.2000->08.2002		250-25007	250-24432
	6Y2	50	AME		08.1999->05.2003		250-24495	
	6Y2	50	ATZ		08.1999->01.2001		250-25007	250-24432
1.4 16V	6Y2	55	AUA,BBY,BKY		12.1999->07.2004		250-25062	250-24940
	6Y2	74	BBZ,AUB		12.1999->07.2004			250-24940
1.4 TDI		59	BMS		01.2007->03.2010			800-95007
1.6		77	BTS		04.2007->06.2010		250-24953	250-24753
1.6 TDI		55	CAYA	Ireland	04.2010->up			250-25062
		66	CAYB	Ireland	03.2010->up			250-25062
		77	CAYC	Ireland	03.2010->up			250-25062
1.9 TDI		77	BLS		04.2007->03.2010			800-95007
2.0	6Y2	85	AZL		12.1999->07.2004			250-24431
FABIA COMBI								
1.2		51	BZG		10.2007->up		250-24797	250-24966
	6Y5	47	BME		12.2004->12.2007		250-24797	250-24966
	6Y5	40	BMD		08.2004->12.2007		250-24941	250-24966
	6Y5	47	AZQ		01.2003->12.2004		250-25003	250-24966
	6Y5	40	BMD		07.2001->07.2004		250-24569	250-24966
	6Y5	40	AWY		07.2001->05.2004		250-24941	250-24966
1.4		63	BXW		10.2007->up		250-24953	250-24940
	6Y5	50	AQW		08.2000->05.2003		250-25007	250-24432
	6Y5	50	AME		04.2000->05.2003		250-24495	250-24432
	6Y5	44	AZF		04.2000->03.2003		250-25007	250-24432
	6Y5	44	AZE		04.2000->03.2003		250-24495	250-24432
	6Y5	50	ATZ		04.2000->01.2001		250-25007	250-24432
1.4 16V	6Y5	55	BBY,BKY,AUA		05.2000->07.2004		250-25062	250-24940
	6Y5	74	BBZ,AUB		04.2000->07.2004			250-24940
1.4 TDI		59	BMS		10.2007->03.2010			800-95007
1.6		77	BTS		10.2007->up		250-24953	250-24753
1.9 TDI		77	BLS		10.2007->03.2010			800-95007
2.0	6Y5	85	AZL		04.2000->07.2004		250-24431	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SKODA (cont'd)								
FABIA PRAKTIK								
1.2		47	BME		12.2004->12.2007		250-24797	250-24966
		40	BMD		08.2004->12.2007		250-24941	250-24966
		40	BMD		05.2004->07.2004		250-24569	250-24966
		47	AZQ		01.2003->12.2004		250-25003	250-24966
		40	AWY		07.2001->05.2004		250-24941	250-24966
1.4		50	AQW,ATZ,AZF		08.1999->05.2003		250-25007	250-24432
		50	AME,AZE		08.1999->05.2003		250-24495	250-24432
	6Y3	40	AWY		07.2001->05.2004		250-24941	250-24966
	6Y3	47	BME		12.2004->12.2007		250-24797	250-24966
	6Y3	47	AZQ		01.2003->12.2004		250-25008	250-24966
1.4	6Y3	50	AQW,ATZ		07.2001->05.2003		250-25007	250-24432
	6Y3	50	AME		07.2001->05.2003		250-24495	250-24432
	6Y3	44	AZF		04.2000->03.2003		250-25007	250-24432
	6Y3	44	AZE		04.2000->03.2003		250-24495	250-24432
1.4 16V	6Y3	74	BBZ,AUB		12.1999->12.2007		250-24940	250-24940
	6Y3	55	BBY,BKY,AUA		10.1999->12.2007		250-24940	250-24940
2.0	6Y3	85	AZL		12.1999->12.2007		250-25007	250-24431
FABIA SALOON								
1.4 16V	6Y3	55	BKY	Fr.Con. 05.2004	10.1999->12.2007		250-25062	250-24940
	6Y3	74	BBZ, AUB		12.1999->12.2007		250-25062	250-24940
FAVORIT								
1.3	781	50	136IG		01.1994->09.1994		250-24066	
1.3 135	781	43	781.135		12.1991->12.1992		250-23154	
1.3 135 GLX	781	40	135I		01.1993->09.1994		250-24066	
1.3 135 LX	781	40	135I		01.1993->09.1994		250-24066	
1.3 135 X	781	40	135I		01.1993->09.1994		250-24066	
FAVORIT FORMAN								
1.3	785	40, 50	135I, 136IG		01.1993->06.1995		250-24066	
	785	40	781.135B		09.1991->06.1995		250-23154	
FAVORIT PICKUP								
1.3	787	40, 50	135B, 136I		01.1993->07.1995		250-24066	
	787	40	135B		10.1990->12.1992		250-23154	
FELICIA I								
1.3	6U1	43	AMJ		08.1996->03.1998		250-24066	
	6U1	40, 50	AMG,AMH,135I,136I,13MPI,13MPI54		10.1994->03.1998		250-24066	
1.6 LX	6U1	55	AEE,16MPI		08.1995->03.1998		250-24066	
FELICIA I ESTATE								
1.3	6U5	43	AMJ,135I,135MPI		08.1996->03.1998		250-24066	
1.3 LX	6U5	40, 50	AEE,AMH,13MPI,135I,136I		08.1995->03.1998		250-24066	
1.3LXI	6U5	40, 50	AEE,AMH,13MPI,135I,136I		08.1995->03.1998		250-24066	
1.6 GLX	6U5	55	AEE,16MPI		08.1995->03.1998		250-24066	
FELICIA I FUN								
1.3	797	40	AMG		06.1997->08.2001		250-24540	
	797	40	AMG,13MPI54		06.1997->12.1998		250-24066	
	797	43	AMJ		08.1996->12.1998		250-24066	
	797	43	AMJ	Leaded Fuel	01.1999->08.2001		250-24540	
	797	43	AMJ	Lead Free Fuel	10.1998->08.2001		250-24066	
	797	50	AMH,13MPI		01.1999->08.2001		250-24540	
	797	50	AMH		06.1997->12.1998		250-24066	
1.6	797	55	AEE		01.1998->08.2001		250-24066	
FELICIA II								
1.3	6U1	40	AMG		01.1998->12.1998		250-24066	
	6U1	40	AMG	Leaded Fuel	01.1999->06.2001		250-24540	
	6U1	40	AMG	Lead Free Fuel	10.1998->06.2001		250-24066	
	6U1	43	AMJ		01.1998->12.1998		250-24066	
	6U1	43	AMG		01.1999->06.2001		250-24540	
	6U1	50	AMH		01.1998->12.1998		250-24066	
	6U1	50	AMH		01.1999->06.2001		250-24540	
1.6	6U1	55	AEE		01.1998->06.2001		250-24066	
FELICIA II ESTATE								
1.3	6U5	50	AMH		01.1998->12.1998		250-24066	
	6U5	50	AMH		01.1999->06.2001		250-24540	
1.6	6U5	55	AEE		01.1998->06.2001		250-24066	
OCTAVIA								
1.2 TSI	1Z3	77	CBZB		02.2010->up		250-25092	
1.4	1U2	44	AMD		02.1999->03.2001		250-24495	250-24432
	1Z3	55	BCA		05.2004->05.2006		250-25007	250-24699
	1Z3	59	BUD	5 Wire Control Sensor	11.2008->11.2010		250-25040	250-24753
	1Z3	59	BUD	4 Wire Control Sensor	05.2006->11.2010		250-24953	250-24753



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SKODA (cont'd)								
OCTAVIA (cont'd)								
1.4 16V	1U2	55	BCA		01.2002->12.2010		250-25008	
	1U2	55	AXP		08.2000->01.2002		250-25008	250-24432
1.6	1U2	55	AEE		10.1996->08.1998		250-24558	
	1U2	55	AEE		08.1998->07.2000		250-24560	
	1U2	74	AKL		02.1997->09.2004		250-24843	
	1U2	74	AEH	Fr.Ch.No.W134201	02.1997->07.2000		250-24843	
	1U2	74	AEH	Fr.Ch.No.V007001, To Ch.No.W134200	02.1997->07.2000		250-24560	
	1U2	74	AEH	To Ch.No.V007000	02.1997->07.2000		250-24558	
	1Z3	75	BSE,BSF		05.2005->up		250-25061	250-24753
	1Z3	75	BGU		06.2004->05.2005		250-25061	250-24753
	1U2	75	AVU,BFQ		11.2000->09.2004		250-25004	250-24432
1.6 FSI	1Z3	85	BLF		05.2004->10.2008		250-25034	250-24699
1.8	1U2	92	AGN		10.1996->04.1999		250-24558	
1.8 T	1U2	110	AUM		08.2000->12.2010		250-25008	250-24734
	1U2	110	AGU		01.1999->12.2010		250-24558	
	1U2	110	ARX		08.2000->09.2004		250-25003	250-24734
	1U2	110	ARZ		01.2000->07.2000		250-24734	250-24432
1.8 T 4x4	1U2	110	ARX		08.2000->05.2006		250-25008	250-24432
1.8 TSI	1Z3	118	BZB		06.2007->12.2007		250-24755	
	1Z3	118	BZB		01.2008->10.2008		250-24671	
RS 1.8 T	1U2	132	AUQ		05.2001->09.2004		250-25008	250-24734
1.9 TDI	1Z3	77	BLS,F		05.2006->11.2009			800-95007
2.0	1U2	85	AEG		09.2000->10.2002		250-24734	
	1U2	85	AEG		10.2002->01.2005		250-24843	
	1U2	85	APK,AQY,		05.1999->09.2004		250-24734	250-24495
	1U2	85	AZJ		03.2002->09.2004		250-25004	250-24495
2.0 FSI	1Z3	110	BVY		11.2005->10.2008	Left	250-25077	250-24717
	1Z3	110	BVY		11.2005->10.2008	Right	250-25033	250-24717
	1Z3	110	BVZ		11.2005->10.2008		250-25078	250-24717
	1Z3	110	BLR		11.2004->11.2005	Left	250-25077	250-24717
	1Z3	110	BLR		11.2004->11.2005	Right	250-25033	250-24717
	1Z3	110	BLY		11.2004->11.2005		250-25078	250-24717
2.0 RS	1Z3	147	CCZA		03.2009->up			250-24672
	1Z3	147	BWA		10.2005->10.2008		250-25035	250-24699
2.0 TDI	1Z3	103	CFHC/F		03.2010->up			800-95007
	1Z3	103	BMM		11.2005->10.2008			800-95007
2.0 TDI RS	1Z3	125	BMN		04.2006->up		250-25065	
OCTAVIA COMBI								
1.2 TSI	1Z5	77	CBZB		02.2010->up		250-25092	
1.4	1Z5	59	BUD	5 Wire Control Sensor	11.2008->11.2010		250-25040	250-24753
	1Z5	59	BUD	4 Wire Control Sensor	05.2006->11.2010		250-24953	250-24753
1.4 16V	1U5	55	BCA		01.2002->05.2004		250-25008	250-24699
	1U5	55	BCA		05.2004->05.2006		250-25007	250-24699
	1U5	55	AXP		08.2000->01.2002		250-25008	250-24432
1.6	1U5	55	AEE		07.1998->08.1998		250-24558	
	1U5	55	AEE		08.1998->09.2004		250-24560	
	1U2	74	AKL		02.1997->09.2004		250-24843	
	1U2	74	AEH	Fr.Ch.No.W134201	08.1998->07.2000		250-24843	
	1U2	74	AEH	Fr.Ch.No.V007001, To Ch.No.W134200	08.1998->07.2000		250-24560	
	1U2	74	AEH	To Ch.No.V007000	08.1998->07.2000		250-24558	
	1Z5	75	BSE,BSF		05.2005->up		250-25061	250-24753
	1Z5	75	BGU		09.2004->05.2005		250-25061	250-24753
	1U5	75	AVU,BFQ		09.2000->09.2004		250-25004	250-24432
1.6 FSI	1Z5	85	BLF		05.2004->10.2008		250-25034	250-24699
1.8 20V	1U5	92	AGN		05.1998->04.1999		250-24558	
1.8 T	1U5	110	AGU		08.1998->12.2010		250-24558	
	1U5	110	ARX,AUM		08.2000->09.2004		250-25008	250-24734
	1U5	110	ARZ		01.2000->09.2004		250-24734	250-24432
1.8 T 4x4	1U5	110	ARX		05.2001->05.2006		250-25008	250-24432
1.8 TSI	1Z5	118	BZB		06.2007->10.2008		250-24671	
1.8 TSI	1Z5	118	BZB		11.2008->up		250-24755	250-24672
RS 1.8 T	1U5	132	AUQ		08.2002->09.2004		250-25008	250-24734
1.9 TDI	1Z5	77	BLS,F		05.2006->11.2009			800-95004
1.9 TDI 4x4	1Z5	77	BXE,BKC,BLS		05.2006->11.2009			800-95004
2.0	1U5	85	AZJ		03.2002->01.2006		250-25008	250-24432
	1U5	85	AEG		09.2000->10.2002		250-24734	
	1U5	85	AEG		10.2002->01.2005		250-24843	
	1U5	85	APK,AQY		08.2000->09.2004		250-24734	250-24495
	1U5	85	AZH		11.1999->07.2000		250-25008	250-24432
2.0 4x4	1U5	85	AZH		05.2001->09.2004		250-25008	250-24432
	1U5	85	AZJ		05.2001->09.2004		250-25008	250-24697
	1U5	88	ATF		01.2000->07.2000		250-25008	250-24432
2.0 FSI	1Z5	110	BVY		11.2005->10.2008	Left	250-25077	250-24717
	1Z5	110	BVY		11.2005->10.2008	Right	250-25033	250-24717



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SKODA (cont'd)								
OCTAVIA COMBI (cont'd)								
2.0 FSI	1Z5	110	BVZ		11.2005->10.2008		250-25078	250-24717
	1Z5	110	BLR		11.2004->11.2005	Left	250-25077	250-24717
	1Z5	110	BLR		11.2004->11.2005	Right	250-25033	250-24717
	1Z5	110	BLY		11.2004->11.2005		250-25078	250-24717
2.0 FSI 4x4	1Z5	110	BVX		11.2005->10.2008	Left	250-25077	250-24717
	1Z5	110	BVX		11.2005->10.2008	Right	250-25033	250-24717
	1Z5	110	BLX		11.2004->11.2005	Left	250-25077	250-24717
	1Z5	110	BLX		11.2004->11.2005	Right	250-25033	250-24717
2.0 RS	1Z5	147	CCZA		03.2009->up		250-25035	250-24672
	1Z5	147	BWA		10.2005->10.2008		250-25035	250-24699
2.0 TDI	1Z5	103	BMM		11.2005->05.2010			800-95004
2.0 TDI RS	1Z5	125	BMN		04.2006->up		250-25065	
ROOMSTER								
1.2	5J	47	BME		05.2006->01.2007		250-24797	250-24966
	5J	51	CGPA		01.2007->up			250-24966
1.2 TSI	5J	77	CBZB		03.2010->up		250-25092	
1.4	5J	63	BXW		05.2006->03.2010		250-24953	250-24940
1.4 TDI	5J	59	BMS		07.2006->03.2010			800-95007
1.6	5J	77	BTS		05.2006->03.2010		250-24953	250-24753
1.6 TDI	5J	66	CAYB	Ireland	03.2010->up			250-25062
	5J	77	CAYC	Ireland	03.2010->up			250-25062
1.9 TDI	5J	77	BLS		11.2006->03.2010			800-95007
ROOMSTER PRAKTIK								
1.6 TDI	5J	66	CAYB	Ireland	03.2010->up			250-25062
SUPERB								
1.4 TSI	3T4	92	CAXC		04.2008->up			250-24672
1.8 T	3U4	110	AWT		12.2001->03.2008		250-25008	250-24689
1.8 TSI	3T4	118	BZB		03.2008->05.2009		250-24671	
	3T4	118	CDAA		09.2008->up		250-25035	250-24672
1.9 TDI	3T4	77	BLS		03.2008->up			800-95007
2.0	3U4	85	AZM		02.2002->03.2008		250-241057	250-241051
2.0 TDI	3T4	103	BMP		03.2008->03.2010			800-95007
	3T4	125	BMP		03.2008->03.2010			800-95007
	3U4	103	BSS		10.2005->03.2008			800-95019
2.0 TDI 4x4	3T4	125	CFGB		05.2010->up			800-95007
	3T4	125	CBBB		09.2008->05.2010			800-95007
2.8 V6	3U4	142	AMX		12.2001->03.2008	Left	250-24414	250-24414
	3U4	142	AMX		12.2001->03.2008	Right	250-24414	250-24414
3.6 V6 4x4	3T4	191	CDVA		11.2008->up	Left		250-24954
SUPERB KOMBI								
3.6 V6 4x4	3T5	191	CDVA		10.2009->up	Left		250-24954
YETI								
1.2 TSI	5L	77	CBZB		09.2009->up		250-25092	
SMART								
CABRIO								
0.6		40	M160E6ALB03		03.2000->01.2004		250-24469	250-24469
		45	M160E6ALB05		01.2001->12.2002		250-24469	250-24469
		52			06.2002->01.2004		250-24469	250-24469
CITY COUPE								
0.6	MC01	33	M160E6ALB04		07.1998->01.2004		250-24469	250-24469
	MC01	40	M160E6ALB03		07.1998->01.2004		250-24469	250-24469
	MC01	45	M160E6ALB05		01.2001->12.2002		250-24469	250-24469
	MC01	52			06.2002->01.2004		250-24469	250-24469
FORTWO CABRIO								
0.8 CDi		33	OM660.950		01.2007->up			800-95008
		33	OM660.950		01.2007->up			800-95008
FORFOUR								
1.1		47	134911		02.2005->UP		250-24979	250-24979
		55	134910		09.2004->UP		250-24979	250-24979
1.3		70	135930		09.2004->UP		250-24979	250-24979
1.5		80	135950		09.2004->UP		250-24979	250-24979
1.5 BRABUS		130	122950		02.2005->UP		250-24979	250-24979
1.5 CDI		50	OM639.939		09.2004->UP			800-95008
		70	639.939		09.2004->UP			800-95008



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SSANGYONG								
KORANDO								
3.2	KJ	156	M104.995		01.1999->up		250-241065	
	KJ	162	M104		06.1997->up		250-241065	
KORANDO CABRIO								
3.2	KJ	156	M104.995		01.1999->up		250-241065	
	KJ	162	M104		06.1997->up		250-241065	
MUSSO								
3.2i AWD 24V		162			02.1997->04.2000		250-241065	
SUBARU								
1800 XT COUPE								
1.8 Turbo 4WD	XT	88	EA82		01.1988->12.1990		250-21000	
FORESTER								
2.0	SF	90	EJ20		08.1997->09.2002		250-23162	
	SF	92	EJ202		07.1998->05.2000		250-23162	250-24295
	SG	92	EJ20E		09.2002->up		250-54011	250-24295
2.0 X	SG	116	EJ20		09.2005->11.2007		250-54047	250-24922
2.0 S Turbo	SF	125	EJ205		07.1998->05.2000		250-23158	250-24440
	SF	125	EJ205		05.2000->04.2001		250-54004	250-24440
	SF	130	EJ205		04.2001->09.2002		250-54004	250-24440
2.0 S Turbo	SG	130	EJ205		09.2002->up		250-54004	250-24440
2.5	SG	155	EJ25, EJ25T		01.2004->up		250-54058	250-24440
2.5 XT	SG	169	EJ25		09.2005->12.2008		250-54058	250-24440
2.5 AWD	SH	126	EJ253		01.2009->up		250-54027	
	SH	169	EJ255		06.2008->up		250-54064	
IMPREZA SALOON								
1.6 AWD	GD, GG	70	EJ16		12.2000->08.2005		250-24295	250-24295
1.6i	GC	66	EJ16		01.1993->07.1996		250-23083	
	GC	66	EJ16		08.1996->07.1997		250-23088	
	GC	70	EJ16		08.1999->07.2000		250-23083	
1.6i 4WD	GC	66	EJ16		01.1993->07.1996		250-23083	
	GC	66	EJ16		08.1996->07.1997		250-23088	
	GC	70	EJ16		08.1998->07.2000		250-23083	
1.8i 4WD	GC	76	EJ18E		01.1993->07.1996		250-23083	
	GC	76	EJ18E		08.1996->07.1997		250-23088	
2.0	GD, GG	92	EJ20		12.2000->08.2005		250-24295	250-24295
2.0 R	GD, GG	118	EJ20		09.2005->06.2006		250-54047	250-24922
2.0 Turbo GT 4WD	GC	155	EJ20GN		08.1995->04.1996		250-23103	
2.0 WRX STi	GD, GG	195	EJ20T		11.2001->08.2005		250-54004	250-24440
	GD, GG	235	EJ25T		09.2005->up		250-54058	250-24440
2.0 WRX Turbo	GD, GG	160	EJ20T		12.2000->08.2005		250-54004	250-24440
2.0i 4WD	GC	85	EJ20		10.1995->07.1998		250-23083	
	GC	92	EJ201		08.1998->07.1999		250-23088	
	GC	92	EJ201		08.1999->07.2000		250-23083	
2.5 WRX	GD, GG	169	EJ25T		09.2005->up		250-54058	250-24440
2.5 WRX ST1	GD, GG	206	EJ25T		09.2005->up		250-54058	250-24440
IMPREZA STATION WAGON								
1.6	GD, GG	70	EJ16		12.2000->08.2005		250-24295	250-24295
1.6i	GF	70	EJ16		06.1998->08.2000		250-23083	
1.6i 4WD	GF	66	EJ16		01.1993->07.1996		250-23083	
	GC	66	EJ16		08.1996->07.1997		250-23088	
	GF	70	EJ16		08.1998->07.2000		250-23083	
1.8i 4WD	GF	76	EJ18		01.1993->07.1996		250-23083	
	GC	76	EJ18		08.1996->07.1997		250-23088	
2.0	GD, GG	92	EJ20		12.2000->08.2005		250-24295	250-24295
2.0 4WD	GF	85	EJ20		12.1995->07.1998		250-23083	
2.0 16V AWD	GF	92	EJ201		08.1998->07.1999		250-23083	
	GF	92	EJ201		08.1999->07.2000		250-23088	
2.0 R	GD, GG	118	EJ20		09.2005->06.2006		250-54047	250-24922
2.0 Turbo	GD, GG	160	EJ20T		12.2000->08.2005		250-54004	250-24440
2.0 WRX Turbo	GD, GG	165	EJ20T		12.2002->08.2005		250-54004	250-24440
2.0i Turbo 4WD	GF	155	EJ20GN		09.1994->04.1996		250-23103	
2.5 WRX	GD, GG	169	EJ25T		09.2005->up		250-54058	250-24440
2.5 Allrad	GR, GH, G3	169	EJ255		01.2008->up		250-54064	
	GR, GH, G3	221	EJ257		01.2008->up		250-54079	
	GR, GH, G3	221	EJ257		01.2008->up		250-54079	
JUSTY I								
1000	KAD	37	EF10		05.1987->05.1995		250-21013	
	KAD	40	EF10		06.1986->06.1989		250-21013	
1000 4WD	KAD	37	EF10		05.1987->11.1994		250-21013	
	KAD	40	EF10		06.1986->12.1990		250-21013	
1200	KAD	49	EF12		05.1987->05.1988		250-21011	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SUBARU (cont'd)								
JUSTY I (cont'd)								
1200 4WD	KAD	49	EF12		05.1987->05.1988		250-21011	
	KAD	50	EF12		08.1989->12.1990		250-21011	
	KAD	55	EF12		10.1990->12.1994		250-21011	
JUSTY II								
1.3 4x4	JMA, MS	63	G13B-85		04.2001->10.2003		250-24338	250-24335
1.3 GX 4x4	JMA, MS	50	G13BA	To Ch. No. 25000	10.1995->11.2003		250-21001	
	JMA, MS	50	G13BA	Fr. Ch. No. 25001	10.1995->10.2003		250-24338	
JUSTY III								
1.3	G3X	69	M13A		10.2003->up		250-24862	
1.5	G3X	73	M15A		10.2003->up		250-24862	
LEGACY I								
1800	BC	76	EJ18SPI		05.1992->12.1993		250-23083	
1800 4WD	BC	76	EJ18SPI		01.1989->09.1991		250-23083	
2000 4WD	BC	85	EJ20EN		08.1991->07.1994		250-23083	
2000 Turbo 4WD	BC	147	EJ20-GN		05.1992->07.1994		250-23103	
2200 4WD	BC	100	EJ22EN		05.1989->07.1994		250-23083	
LEGACY I STATION WAGON								
1800	BJF	76	EJ18SPI		01.1989->12.1993		250-23083	
1800 4WD	BJF	76	EJ18SPI		01.1989->12.1993		250-23083	
2000	BJF	85	EJ20EN		09.1991->12.1993		250-23083	
2000 4WD	BJF	85	EJ20EN		09.1991->07.1994		250-23083	
2200 Super 4WD	BJF	100	EJ22EN		05.1989->07.1994		250-23083	
2000 Turbo Super 4WD	BJF	147	EJ20-GN		05.1992->07.1994		250-23103	
LEGACY II								
2.0i	BD, BG	85	EJ20E		09.1994->06.1997		250-23083	
2.0i 4WD	BD, BG	85	EJ20		09.1994->05.1998		250-23083	
2.2i 4WD	BD, BG	94	EJ22EN, EJ22ER		09.1994->06.1996		250-23083	
	BD, BG	96	EJ22EN, EJ22ER		07.1996->06.1997		250-23083	
2.5i 4WD	BD, BG	110	EJ25D		06.1996->03.1999		250-23155	
LEGACY II STATION WAGON								
2.0i	BD, BG	85	EJ20EN, EJ20ER		09.1994->06.1997		250-23083	
2.0i 4WD	BD, BG	85	EJ20		09.1994->06.1997		250-23083	
2.2i 4WD	BD, BG	94	EJ22EN, EJ22ER		09.1994->06.1997		250-23083	
	BD, BG	96	EJ22EN, EJ22ER		07.1996->06.1997		250-23083	
2.5i 4WD	BD, BG	110	EJ25D		06.1996->11.1998		250-23155	
LEGACY III								
2.0	BE, BH	92	EJ201		06.1999->06.2000		250-23088	
	BE, BH	92	EJ201		05.2002->04.2003		250-54011	250-24295
2.5	BE, BH	115	EJ251		10.1998->06.1999		250-23083	
	BE, BH	115	EJ251		07.1999->06.2000		250-23088	
	BE, BH	115	EJ251		07.2000->04.2003		250-54011	250-24295
LEGACY III STATION WAGON								
2.0	BE, BH	92	EJ201		12.1998->06.1999		250-23083	
	BE, BH	92	EJ201		07.1999->06.2000		250-23088	
	BE, BH	92	EJ201		07.2000->04.2003		250-54011	250-24295
2.5	BE, BH	115	EJ251		02.2002->04.2003		250-54011	
	BE, BH	115	EJ251		06.2000->08.2003		250-23083	250-24295
LEGACY IV								
2.0		101	EJ20		09.2003->up		250-54048	250-24888
2.5		121	EJ25		06.2005->10.2005		250-54027	
3.0		180	EZ30		09.2003->up	Left	250-54008	
		180	EZ30		09.2003->up	Right	250-54008	
LEGACY IV ESTATE								
2.0	B13_	101	EJ20		09.2003->up		250-54048	250-24922
LEGACY IV STATION WAGON								
2.5	B13_	121	EJ25		06.2005->10.2005		250-54027	
3.0	B13_	180	EZ30		09.2003->up	Left	250-54008	
	B13_	180	EZ30		09.2003->up	Right	250-54008	
LEGACY V								
2.5 i AWD		123	253		09.2009->up		250-54067	
LEGACY V STATION WAGON								
2.5 i		123	253		09.2009->up		250-54067	
OUTBACK								
2.5	BE, BH	115	EJ251		10.1998->06.2000		250-23088	
	BE, BH	115	EJ251		10.2000->12.2002		250-24295	
	BE, BH	115	EJ251		02.2002->04.2003		250-54011	
2.5	BL, BP	121	EJ25-D4		11.2003->09.2009		250-54027	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SUBARU (cont'd)								
OUTBACK (cont'd)								
2.5 i	BM, BR	123	253		09.2009->up		250-54067	
3.0 H6	BE, BH	154	EZ30-209		10.2000->04.2003	Left	250-54002	●250-24884
	BE, BH	154	EZ30-209		10.2000->04.2003	Right	250-54002	
3.0		180	EZ30		11.2003->up	Left	250-54008	
		180	EZ30		11.2003->up	Right	250-54008	
3.6 R	BM, BR	191	36D		09.2009->up	Left		250-24322
3.6 R	BM, BR	191	36D		09.2009->up	Right		250-24322
SVX								
3.3i 24V 4WD	CX	162	EG33DOHC		09.1994->12.1996		250-23083	
	CX	169	EG33DOHC		09.1992->09.1994		250-23083	
SUZUKI								
AERIO								
1.3	ER	66	M13A	M/T	03.2002->up			250-24967
1.6	ER	76		To Ch. S00350000	03.2002->up			250-24967
1.6 4WD	ER	76	M16A	To Ch. S00350000	03.2002->up			250-24967
AERIO ESTATE								
1.3	ER	66	M13A	M/T	07.2001->12.2007			250-24967
1.6	ER	76		To Ch. S00350000	07.2001->12.2007			250-24967
1.6 4WD	ER	76	M16A	To Ch. S00250000, M/T	07.2001->12.2007			250-24967
	ER	79	M16A	To Ch. S00350000	01.2005->12.2007			250-24967
ALTO III								
1.0	EF	39	G10B	To Ch. No. S00180000	09.1994->05.2002		250-21043	
	EF	39	G10B	Fr. Ch. No. S00180001	09.1994->05.2002		250-24060	
ALTO IV								
1.1	FF	46	F10D		06.2002->03.2006		250-24291	250-24907
BALENO								
1.3	EG	52	G13BB	To Ch. No. S00200000	09.1996->05.2002		250-24400	
	EG	52	G13BB	Fr. Ch. No. S00200001	09.1996->05.2002		250-24291	250-24967
1.3i 16V	EG	63	G13B	To Ch. No. S00200000	07.1995->05.2002		250-24400	
	EG	63	G13B	Fr. Ch. No. S00200001	07.1995->05.2002		250-24291	250-24967
1.5	EG	71	G15A		04.1995->08.1998		250-24400	
1.6i 16V	EG	72	G16B	To Ch. No. S00200000	07.1995->05.2002		250-24400	
	EG	72	G16B	Fr. Ch. No. S00200001	07.1995->05.2002		250-24291	250-24967
1.6i 16V 4x4	EG	72	G16B	To Ch. No. S00200000	07.1995->05.2002		250-24400	
	EG	72	G16B	Fr. Ch. No. S00200001	07.1995->05.2002		250-24291	250-24967
1.8 GT	EG	89	J18A	To Ch. No. S00200000	06.1996->05.2002		250-24049	
	EG	89	J18A	Fr. Ch. No. S00200001	03.1996->05.2002		250-24372	250-24442
BALENO ESTATE								
1.3 16V	EG	63	J18A	To Ch. No. W00200000	03.1997->05.2002		250-24400	
	EG	63	G13BB	Fr. Ch. No. W00200001	03.1997->05.2002		250-24291	250-24967
1.6i 16V	EG	72	G16B	To Ch. No. W00200000	08.1996->05.2002		250-24400	
	EG	72	G16B	Fr. Ch. No. W00200001	08.1996->05.2002		250-24291	250-24967
1.6i 16V 4x4	EG	72	G16B	To Ch. No. W00200000	08.1996->05.2002		250-24400	
	EG	72	G16B	Fr. Ch. No. W00200001	08.1996->05.2002		250-24291	250-24967
1.8i 16V	EG	89	J18A	To Ch. No. W00200000	08.1996->05.2002		250-24049	
	EG	89	J18A	Fr. Ch. No. W00200001	08.1996->05.2002		250-24372	250-24442
BALENO HATCHBACK								
1.3	EG	52	G13BB	To Ch. No. S00200000	09.1996->05.2002		250-24400	
	EG	52	G13BB	Fr. Ch. No. S00200001	09.1996->05.2002		250-24291	250-24967
1.3i 16V	EG	63	G13B	To Ch. No. S00200000	07.1995->05.2002		250-24400	
	EG	63	G13B	Fr. Ch. No. S00200001	07.1995->05.2002		250-24291	250-24967
1.6i 16V	EG	72	G16B	To Ch. No. S00200000	07.1995->05.2002		250-24400	
	EG	72	G16B	Fr. Ch. No. S00200001	07.1995->05.2002		250-24291	250-24967
1.6i 16V 4x4	EG	72	G16B	To Ch. No. S00200000	07.1995->05.2002		250-24400	
	EG	72	G16B	Fr. Ch. No. S00200001	07.1995->05.2002		250-24291	250-24967
1.8 GT	EG	89	J18A	To Ch. No. S00200000	06.1996->05.2002		250-24049	
	EG	89	J18A	Fr. Ch. No. S00200001	03.1996->05.2002		250-24372	250-24442
CARRY BOX								
1.3	FD	58	G13B		07.1999->up		250-24338	250-24291
1.3 4x4	FD	56	G13BB		07.1999->09.2004		250-24338	250-24291
1.3 16 V	FD	58	G13BB		03.2000->up		250-24338	250-24291
ESTEEM								
1.3	EG	52	G13BB	Fr.Ch. S00200001, M/T	09.1996->05.2002			250-24967
1.3 i 16V	EG	63		Fr.Ch. S00200001, M/T	07.1995->05.2002			250-24967
1.6 i 16V	EG	72		Fr.Ch. S00200001, M/T	07.1995->05.2002			250-24967
1.6 i 16V 4x4	EG	72		Fr.Ch. S00200001, M/T	07.1995->05.2002			250-24967
ESTEEM ESTATE								
1.3 16V	EG	63		Fr.Ch. W00200001, M/T	03.1997->05.2002			250-24967



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SUZUKI (cont'd)								
ESTEEM ESTATE (cont'd)								
1.6 i 16V	EG	72		Fr.Ch. W00200001, M/T	08.1996->05.2002			250-24967
1.6 i 16V 4x4	EG	72		Fr.Ch. W00200001, M/T	08.1996->05.2002			250-24967
GRAND VITARA								
1.6	FT, GT	69	G16B	To Ch. No. V00150000	03.1998->05.1998		250-24338	
	FT, GT	69	G16B	Fr. Ch. No. V00150001	03.1998->02.2005		250-24049	250-24336
1.6 Allrad	JB	78	M16A		03.2006->up		250-24333	
	JT	78	M16A		04.2005->up		250-54092	
	JT	78	M16A	Fr.Ch. V00200001	04.2005->up		250-54034	
2.0	FT, GT	94	J20A	To Ch. No. V00150000	05.1998->up		250-24049	
	FT, GT	94	J20A	Fr. Ch. No. V00150001	03.1998->02.2005		250-24049	250-24336
2.0 Allrad	JB	103	J20A		03.2006->up		250-24333	
	JT	103	J20A		10.2005->up		250-54092	
2.5 V6 24V	FT, GT	106	H25A	To Ch. No. V00150000	05.1998->up	Left	250-24049	250-24407
	FT, GT	106	H25A	To Ch. No. V00150000	05.1998->up	Right	250-24049	250-24407
	FT, GT	106	H25A	Fr. Ch. No. V00150001	04.1998->02.2005	Left	250-24372	250-24333
	FT, GT	106	H25A	Fr. Ch. No. V00150001	04.1998->02.2005	Right	250-24372	250-24333
	FT, GT	116	H25A	To Ch. No. V00150000	04.2001->up	Left	250-24049	250-24407
	FT, GT	116	H25A	To Ch. No. V00150000	04.2001->up	Right	250-24049	250-24407
	FT, GT	116	H25A	Fr. Ch. No. V00150001	04.2001->02.2005	Left	250-24372	250-24333
	FT, GT	116	H25A	Fr. Ch. No. V00150001	04.2001->02.2005	Right	250-24372	250-24333
2.7 XL-7	FT, GT	127	H27A		09.2001->up	Left	250-24049	250-24336
	FT, GT	127	H27A		09.2001->up	Right	250-24049	250-24336
	FT, GT	135	H27A		04.2003->up	Left	250-24049	250-24336
	FT, GT	135	H27A		04.2003->up	Right	250-24049	250-24336
IGNIS								
1.3	FH	61	M13A		10.2000->09.2003		250-24862	
1.3 4WD	FH	61	M13A		10.2000->09.2003		250-24862	
IGNIS II								
1.3		69	M13A		09.2003->up		250-24862	250-24335
1.3 4x4		69	M13A		09.2003->up		250-24862	250-24335
1.5		73	M15A		09.2003->up		250-24862	250-24335
1.5 4x4		73	M15A		09.2003->up		250-24862	250-24335
1.5 Sport		80	M15A		12.2003->up		250-24862	250-24335
JIMNY								
1.3 16V	FJ	59	G13BB	To Ch. No. V00100000	09.1998->up		250-24338	
	FJ	59	G13BB	Fr. Ch. No. V00100001	09.1998->up		250-24049	250-24336
1.3 16V 4WD	FJ	59	G13BB	To Ch. No. V00100000	09.1998->up		250-24338	
	FJ	59	G13BB	Fr. Ch. No. V00100001	09.1998->up		250-24049	250-24336
1.3 16V	FJ	60	M13A		04.2002->up		250-24049	250-24336
1.3 16V 4WD	FJ	60	M13A		04.2002->up		250-24049	250-24336
1.3 16V 4x4	FJ	63	M13A		08.2005->up		250-24049	250-24336
LIANA								
1.3	ER	66	M13A	To Ch. No. S00150000	03.2002->up		250-24291	250-24967
	ER	66	M13A	Fr. Ch. No. S00150001	06.2001->01.2006		250-24852	250-24967
1.6	ER	76	M16A	To Ch. No. S00150000	03.2002->up		250-24291	250-24967
	ER	76	M16A	Fr. No.S00150001, To No.S00350000	06.2001->up		250-24852	250-24967
	ER	76	M16A	Fr. Ch. No. S00350001	03.2002->up		250-24335	250-24862
1.6 4WD	ER	76	M16A	To Ch. No. S00150000	03.2002->up		250-24291	250-24967
	ER	76	M16A	Fr. No. S00250001, To No. S00350000	03.2002->up		250-24852	250-24967
	ER	76	M16A	Fr. Ch. No. S00350001	03.2002->up		250-24335	250-24862
LIANA KOMBI								
1.3	ER	66	M13A	To Ch. No. S00150000	07.2001->up		250-24291	250-24967
	ER	66	M13A	Fr. Ch. No. S00150001	07.2001->up		250-24852	250-24967
1.6	ER	76	M16A	To Ch. No. S00150000	07.2001->up		250-24291	250-24967
	ER	76	M16A	Fr. No. S00150001, To No. S00350000	07.2001->up		250-24852	250-24967
	ER	76	M16A	Fr. Ch. No. S00350001	07.2001->up		250-24335	250-24862
1.6 4WD	ER	76	M16A	To Ch. No. S00150000	07.2001->up		250-24291	250-24967
	ER	76	M16A	Fr. No. S00250001, To No. S00350000	07.2001->up		250-24852	250-24967
	ER	76	M16A	Fr. Ch. No. S00350001	07.2001->up		250-24335	250-24862
SAMURAI								
1.3	SJ	44	G13A		11.1988->12.2004		250-21000	
	SJ	47	G13A		11.1988->up		250-21000	
1.3	SJ	51	G13BA	To Ch. No. 300000	01.1995->up		250-21009	
	SJ	51	G13BA	Fr. Ch. No. 300001	11.1988->up		250-24338	
SUPER CARRY BUS								
1.0	ED	30	F10A		09.1994->03.1999		250-21000	
	ED	31	F10A		10.1992->01.1999		250-21009	
	ED	33	F10A		10.1985->03.1999		250-21000	
SWIFT CABRIOLET								
1.3	SF413	50	G13B		04.1992->08.1996		250-21001	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
SUZUKI (cont'd)								
SWIFT I								
1.0	AA	37	G10A		08.1986->03.1989		250-21000	
SWIFT II								
1.3	AH, AJ	50	G13B		04.1992->08.1996		250-21001	
	AH, AJ	50	G13BAK	To Ch. No. S00250000	04.1992->08.1996		250-21001	
	AH, AJ	50	G13BAK	Fr. Ch. No. S00250001	01.1995->08.1996		250-24338	250-24335
1.6	AH, AJ	70	G16B		01.1990->12.1991		250-21070	
1.6 4WD	AH, AJ	70	G16B		01.1990->12.1991		250-21070	
1.6i	AH, AJ	68	G16B		01.1990->03.1992		250-21070	
1.6i 4WD	AH, AJ	68	G16B		01.1990->03.1992		250-21070	
SWIFT II HATCHBACK								
1.0	EA, MA	37	G10A		03.1989->08.1996		250-21001	
1.0i	EA, MA	39	G10A	To Ch. No. S00250000	01.1995->08.1996		250-21001	
	EA, MA	39	G10A	Fr. Ch. No. S00250001	09.1996->05.2005		250-24338	250-24335
	EA, MA	40	G10A		03.1989->12.1991		250-21001	
1.3	EA, MA	50	G13A	To Ch. No. S00250000	04.1992->08.1996		250-21001	
	EA, MA	50	G13A	Fr. Ch. No. S00250001	01.1995->08.1996		250-24338	250-24335
	EA, MA	50	G13BAK	Fr. Ch. No. S00800001	01.1995->08.1996		250-24338	250-24335
	EA, MA	52	G13A		03.1989->12.1991		250-21001	
1.3 4WD	EA, MA	50	G13B		04.1992->08.1996		250-21001	
	EA, MA	52	G13BA		10.1989->12.1991		250-21001	
1.3 GTi	EA, MA	74	G13B		04.1992->08.1996		250-21070	
SWIFT III								
1.3	SG	68	M13A		04.2005->up		250-24862	
1.3 4x4	SG	66	M13A		01.2006->up		250-24862	
1.5	SG	75	M15A		04.2005->up		250-24862	
1.6	SG	92	M16A		05.2006->up		250-24852	250-24335
SX 4								
2.0	GY	112	J20B		01.2010->up		250-54071	250-24770
2.0 16V 4x4	GY	112	J20B		01.2010->up		250-54071	250-24770
VITARA								
1.6	ET, TA	59	G16A		09.1989->03.1998		250-23004	
	ET, TA	60	G16A		08.1988->08.1991		250-21009	
1.6 16V	ET, TA	71	G16B		07.1990->03.1998		250-24060	
2.0 16V	ET, TA	97	H20A		12.1996->03.1998	Left	250-24049	
	ET, TA	97	H20A		12.1996->03.1998	Right	250-24049	
2.0 V6 24V	ET, TA	100	H20A		01.1995->03.1998	Left	250-24049	
	ET, TA	100	H20A		01.1995->03.1998	Right	250-24049	
VITARA CABRIOLET								
1.6	ET, TA	59	G16A		09.1989->01.1995		250-23004	
1.6 16V	ET, TA	71	G16B		10.1991->03.1998		250-23827	
2.0 16V	ET, TA	97	H20A		12.1996->03.1998	Left	250-24049	
	ET, TA	97	H20A		12.1996->03.1998	Right	250-24049	
WAGON R								
1.0		39	G10A		07.2003->08.2005		250-24338	
WAGON R PLUS								
1.0	EM	48	K10A		02.1998->05.2000		250-24400	250-241066
1.2	EM	51	K12A		09.1998->05.2000		250-24400	
1.2 4WD	EM	51	K12A		09.1998->05.2000		250-24400	
1.3	MM	56	G13BB		05.2000->up		250-24338	
	MM	56	G13BB	Fr. Ch. No. S00280001	05.2000->up		250-24862	250-24335
1.3 4WD	MM	56	G13BB		10.2001->up		250-24338	
	MM	56	G13BB	Fr. Ch. No. S00280001	10.2001->up		250-24862	250-24335
	MM	69	M13A		09.2003->up		250-24338	
	MM	69	M13A	Fr. Ch. No. S00280001	09.2003->up		250-24862	250-24335
X-90								
1.6i 16V	EL	71	G16B		11.1995->up		250-24060	
1.6i 16V 4x4	EL	71	G16B		11.1995->up		250-24060	
TOYOTA								
4 RUNNER								
2.4	N130	82	22REC		12.1987->12.1989		250-24152	
2.7i 4x4	N130	112	3RZ-FE	2WD	11.1995->03.1996		250-24154	250-24153
	N130	112	3RZ-FE	4WD, A/T	11.1995->03.1996		250-24154	250-24361
	N130	112	3RZ-FE	4WD, M/T	11.1995->03.1996		250-24154	250-24154
3.0 V6	N130	105	3VZ-E		08.1990->08.1991		250-24056	
	N130	105	3VZ-E		08.1991->11.1995		250-24052	
3.4i 4x4	N130	136	5VZ-FE	A/T	11.1995->03.1996		250-24154	250-24153
	N130	136	5VZ-FE	M/T	11.1995->03.1996		250-24154	250-24154



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
TOYOTA (cont'd)								
AURIS								
1.4 VVTi		71	4ZZ-FE		03.2007->up		250-24777	250-24923
1.6 VVTi		91	1ZR-FE		03.2007->up		250-24924	250-24420
2.0 D-4D	NRE15_, ZZE15_	93	1ADFTV-DCRL		03.2007->up			800-94005
	ADE15_, ZRE15_	93	1ADFTV-DCRL		03.2007->up			800-94005
	NDE15_	93	1ADFTV-DCRL		03.2007->up			800-94005
2.2 D	NRE15_, ZZE15_	130	2ADFHV-DCRL		03.2007->up			800-94005
	ADE15_, ZRE15_	130	2ADFHV-DCRL		03.2007->up			800-94005
	NDE15_	130	2ADFHV-DCRL		03.2007->up			800-94005
AVENSIS								
1.6	T22	74.81	4A-FE	Not for Lean Burn	10.1997->07.2000			250-24151
1.6 (AT220_)	_T22_	81	4A-FEC		09.1997->10.2000			250-24532
1.6 VVT-i	T22	81	3ZZ-FE		10.2000->01.2003		250-24169	250-24918
	T25	81	3ZZ-FE	w/ Xenon light	04.2003->up		250-24777	250-24420
	T25	81	3ZZ-FE	w/o Xenon light	04.2003->up		250-24777	250-24902
	T25	81	3ZZ-FE		04.2003->up		250-24777	250-24420
1.8	T25	95	1ZZ-FE	w/ Xenon light	04.2003->up		250-24777	250-24902
	T25	95	1ZZ-FE	w/o Xenon light	04.2003->up		250-24777	250-24420
1.8 VVT-i	T22	95	1ZZ-FE	Not for Lean Burn	10.2000->01.2003	Left	250-24331	●250-24918
	T22	95	1ZZ-FE	Not for Lean Burn	10.2000->01.2003	Right	250-24225	
2.0	T22	94	3S-FE	Not for Lean Burn	10.1997->10.2000		250-24360	250-24360
	T25	108	1AZ-FSE		04.2003->up	Left	250-24969	250-24137
	T25	108	1AZ-FSE		04.2003->up	Right	250-24360	250-24969
	T25	108	1AZ-FSE		04.2003->up		250-24360	250-24969
2.0 D-4D	T25	93	1AD-FTV	w/ Xenon light,	05.2006->up			800-94005
	T25	93	1AD-FTV	w/o Xenon light	05.2006->up			800-94002
2.0 VVT-i	T22	110	1AZ-FSE	Not for Lean Burn	10.2000->01.2003	Left	250-24305	●250-24918
	T22	110	1AZ-FSE	Not for Lean Burn	10.2000->01.2003	Right	250-24969	
2.2 D-CAT	T25	130	2AD-FHV	w/ Xenon light,	07.2005->up			800-94005
	T25	130	2AD-FHV	w/o Xenon light	07.2005->up			800-94002
2.4	T25	120	2AZ-FSE		10.2003->up	Left	250-24225	250-24969
	T25	120	2AZ-FSE		10.2003->up	Right	250-24360	250-24969
AVENSIS COMBI								
1.6 VVT-i	T25	81	3ZZ-FE	w/ Xenon light	04.2003->up		250-24777	250-24420
	T25	81	3ZZ-FE	w/o Xenon light	04.2003->up		250-24777	250-24902
1.8	T25	95	1ZZ-FE	w/ Xenon light	04.2003->up		250-24777	250-24420
	T25	95	1ZZ-FE	w/o Xenon light	04.2003->up		250-24777	250-24902
2.0	T25	108	1AZ-FSE		04.2003->up	Left	250-24225	250-24969
	T25	108	1AZ-FSE		04.2003->up	Right	250-24360	250-24969
2.0 D-4D	T25	93	1AD-FTV	w/ Xenon light	05.2006->up			800-94005
	T25	93	1AD-FTV	w/o Xenon light	05.2006->up			800-94002
2.2 D-CAT	T25	130	2AD-FHV	w/ Xenon light	07.2005->up			800-94005
	T25	130	2AD-FHV	w/o Xenon light	07.2005->up			800-94002
2.4	T25	120	2AZ-FSE		10.2003->up	Left	250-24225	250-24969
	T25	120	2AZ-FSE		10.2003->up	Right	250-24360	250-24969
AVENSIS LIFTBACK								
1.6	T22	74.81	4A-FE	Not for Lean Burn	10.1997->06.2000			250-24151
1.6 (AT220_)	_T22_	81	4A-FEC		09.1997->10.2000			250-24532
1.6 VVT-i	T22	81	3ZZ-FE	Not for Lean Burn	10.2000->01.2003		250-24169	250-24918
1.8 VVT-i	T22	95	1ZZ-FE	Not for Lean Burn	10.2000->01.2003	Left	250-24331	●250-24918
	T22	95	1ZZ-FE	Not for Lean Burn	10.2000->01.2003	Right	250-24225	
2.0	T22	94	3S-FE	Not for Lean Burn	10.1997->10.2000		250-24360	
2.0 VVT-i	T22	110	1AZ-FSE		10.2000->01.2003	Left	250-24305	250-24918
	T22	110	1AZ-FSE		10.2000->01.2003	Right	250-24225	250-24969
AVENSIS SALOON								
1.6 VVT-i	T25	81	3ZZ-FE	w/ Xenon light	04.2003->up		250-24777	250-24420
	T25	81	3ZZ-FE	w/o Xenon light	04.2003->up		250-24777	250-24902
1.8	T25	95	1ZZ-FE	w/ Xenon light	04.2003->up		250-24777	250-24420
	T25	95	1ZZ-FE	w/o Xenon light	04.2003->up		250-24777	250-24918
2.0	T25	108	1AZ-FSE		04.2003->up	Left	250-24305	250-24969
	T25	108	1AZ-FSE		04.2003->up	Right	250-24225	
2.0 D-4D	T25	85	1CDFTV-DCRL		04.2003->11.2008	Left		250-54095
	T25	85	1CDFTV-DCRL	Fr. Con. 07.2003, To Con. 11.2004	04.2003->11.2008	Right		250-54094
2.0 D-4D	T25	93	1AD-FTV	w/ Xenon light	05.2006->up			800-94005
	T25	93	1AD-FTV	w/o Xenon light	05.2006->up			800-94002
2.0 VVTi	T25	114	1AZ-FE		04.2003->11.2008	Left		250-24969
2.2 D-CAT	T25	130	2AD-FHV	w/ Xenon light	07.2005->up			800-94005
	T25	130	2AD-FHV	w/o Xenon light	07.2005->up			800-94002
2.4	T25	120	2AZ-FSE		10.2003->up	Left	250-24305	250-24918
	T25	120	2AZ-FSE		10.2003->up	Right	250-24225	250-24969
AVENSIS STATION WAGON								
1.6	T22	74.81	4A-FE	Not for Lean Burn	10.1997->07.2000			250-24151
1.6 (AT220_)	_T22_	81	4A-FEC		09.1997->10.2000			250-24532
1.6 VVT-i	T22	81	3ZZ-FE		10.2000->01.2003		250-24169	250-24918
1.8 VVT-i	T22	95	1ZZ-FE	Not for Lean Burn	10.2000->01.2003	Left	250-24331	●250-24918



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
TOYOTA (cont'd)								
AVENSIS STATION WAGON (cont'd)								
1.8 VWT-i	T22	95	1ZZ-FE	Not for Lean Burn	10.2000->01.2003	Right	250-24225	
2.0	T22	94	3S-FE	Not for Lean Burn	10.1997->10.2000		250-24360	
2.0 VWT-i	T22	110	1AZ-FSE	Not for Lean Burn	10.2000->01.2003	Left	250-24305	250-24918
	T22	110	1AZ-FSE	Not for Lean Burn	10.2000->01.2003	Right	250-24225	250-24969
AVENSIS VERSO								
2.0 VWT-i	AC	110	1AZ-FE		08.2001->10.2003	Left	250-54002	250-24137
	AC	110	1AZ-FE		08.2001->10.2003	Right	250-54078	250-24137
	AC	110	1AZ-FE		10.2003->08.2006		250-54007	250-24244
AYGO								
1.0	B10	50	1KR-FE		07.2005->up		250-24710	250-24901
CAMRY								
2.0 GII 16V	V2	89	3S-FE		10.1987->05.1991		250-21051	
2.0 VWTi	V30	110	1AZ-FE		08.2001->01.2006		250-54002	250-24420
2.2	V1	100	5S-FE		06.1991->08.1996		250-24151	
	V20	96	5S-FE		To->08.1996		250-24151	
	V20	96	5S-FE		08.1996->08.2000		250-24106	
	V20	96	5S-FE		08.2000->07.2001		250-54002	250-24839
2.4 VWT-i	V30	112	2AZ-FE		11.2001->01.2006		250-54002	250-24420
2.5 V6 GXI	V2	118	2VZ-FE		02.1988->05.1991		250-24051	
3.0	V1	138	3VZ-FE		06.1991->08.1996		250-21053	
3.0 24V	V20	140	1MZ-FE		To->08.1996		250-21053	
	V20	140	1MZ-FE		08.1996->08.1999	Left	250-24360	
	V20	140	1MZ-FE		08.1996->08.1999	Right	250-24360	
	V20	140	1MZ-FE		08.1999->07.2001	Left	250-54054	250-24839
	V20	140	1MZ-FE		08.1999->07.2001	Right	250-54054	
3.0 V6	V20	135	1MZ-FE		08.1996->08.1999	Left	250-24360	
	V20	135	1MZ-FE		08.1996->08.1999	Right	250-24360	
	V20	135	1MZ-FE		08.1999->07.2001	Left	250-54054	250-24839
	V20	135	1MZ-FE		08.1999->07.2001	Right	250-54054	
	V30	137	1MZ-FE		11.2001->01.2006	Left	250-54059	250-24225
	V30	137	1MZ-FE		11.2001->01.2006	Right	250-54074	250-24360
CAMRY LIFTBACK								
2.0	V1	73	2S-ELC		04.1986->10.1986		250-21056	
CAMRY SALOON								
2.0 GLI	V1	79	2S-EL		03.1983->10.1986		250-21056	
2.4 VWTi LE	V40	116	2AZ-FE		01.2006->up		250-54007	250-24360
CAMRY STATION WAGON								
2.0 GLI 16V	V2	89	3S-FE		11.1986->08.1988		250-24050	
2.2	V10	100	5S-FE		03.1992->07.1996		250-24151	
2.5	V2	118	2VZ-FE		01.1990->05.1991		250-24051	
3.0	V10	138	3VZ-FE		03.1992->07.1996		250-21053	
CARINA E								
1.6	T19	85	4A-FE	Not for Lean Burn	12.1993->09.1997		250-24532	
1.6 16V	T19	78	4A-FE	Not for Lean Burn	10.1995->09.1997		250-24151	
	T19	79	4A-FE	Not for Lean Burn	12.1993->09.1997		250-24151	
2.0 GLI	T19	98	3S-FE	Not for Lean Burn	12.1993->01.1996		250-24151	
	T19	98	3S-FE	Not for Lean Burn	01.1996->09.1997		250-24360	
2.0 GTi	T19	116	3S-GE	Not for Lean Burn	04.1992->02.1994		250-24151	
CARINA E SALOON								
1.6	T19	78	4A-FE	Not for Lean Burn	10.1995->09.1997		250-24151	
1.6 16V	T19	85	4A-FE	Not for Lean Burn	12.1994->09.1997		250-24532	
2.0	T19	98	3S-FE		01.1993->01.1996		250-24151	
	T19	98	3S-FE		01.1996->09.1997		250-24360	
2.0 GTi	T19	116	3S-GE		04.1992->02.1994		250-24151	
2.0 GTi 16V	T19	129	3S-GE	Not for Lean Burn	03.1994->03.1994		250-24151	
CARINA E SPORTSWAGON								
2.0 GLI	T19	98	3S-FE	Not for Lean Burn	01.1996->09.1997		250-24360	
	T19	98	3S-FE	Not for Lean Burn	05.1995->01.1996		250-24151	
2.0 i	T19	93	3S-FE	Not for Lean Burn	01.1996->09.1997		250-24360	
	T19	93	3S-FE	Not for Lean Burn	05.1995->01.1996		250-24151	
CARINA II								
1.6	T17	66	4A-F	Not for Lean Burn	12.1987->11.1989		250-24050	
	T17	72,75	4A-FE	Not for Lean Burn	11.1989->03.1992		250-24158	
2.0 GLI	T17	89,94	3S-FE	Not for Lean Burn	12.1987->03.1992		250-24050	
CARINA II SALOON								
1.6	T17	66	4A-F	Not for Lean Burn	12.1987->08.1990		250-24050	
	T17	72,75	4A-FE	Not for Lean Burn	11.1989->03.1992		250-24158	
2.0 GLI	T17	89	3S-FE	Not for Lean Burn	12.1987->03.1992		250-24050	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
TOYOTA (cont'd)								
CARINA II STATION WAGON								
1.6	T17	66.72	4A-F	Not for Lean Burn	12.1987->12.1989		250-24050	
	T17	75	4A-FE	Not for Lean Burn	11.1989->03.1992		250-24158	
2.0	T17	89	3S-FE	Not for Lean Burn	12.1987->11.1989		250-24050	
CELICA								
1.6 GT 16V	ST16	91	4A-GEL		04.1986->08.1987		250-21056	
1.8 16V TS	ZZT23	141	2ZZ-GE		08.2000->09.2005		250-24623	250-24623
1.8 16V VT-i	ZZT23	105	1ZZ-FE		11.1999->09.2005		250-24282	250-24623
1.8 i 16V	T20	85	7A-FE		11.1993->08.1996		250-24050	
2.0	ST16	110	3S-GEL		01.1987->08.1989		250-21056	
CELICA CABRIOLET								
2.0 GT	T16	103	3S-GELC		10.1986->08.1989		250-21056	
	T16	110	3S-GEL		10.1986->08.1989		250-21056	
2.0 GTi	T18	115	3S-GE		05.1991->08.1991		250-24158	
	T18	115	3S-GE		08.1991->10.1993		250-24151	
CELICA COUPE								
1.6 STi	T18	77	4A-FE		10.1989->08.1991		250-24158	
	T18	77	4A-FE		08.1991->10.1993		250-24151	
2.0 GTi	T18	115	3S-GE		10.1989->08.1991		250-24158	
	T18	115	3S-GE		08.1991->10.1993		250-24151	
2.0 Turbo 4WD	T18	150	3S-GTE		10.1989->10.1993		250-24156	
	T18	153	3S-GTE		10.1989->10.1993		250-24156	
2.0 Turbo 4x4	T16F	136	3S-GTE		03.1988->08.1989		250-24056	
CELICA LIFTBACK								
1.6 GT 16V	T16	91	4A-GEL		09.1985->08.1989		250-21056	
2.0 GT	T16	103	3S-GELC		08.1986->08.1989		250-21056	
	T16	110	3S-GEL		08.1985->08.1989		250-21056	
COROLLA								
1.3i	E9	55	2E-E		08.1987->05.1992		250-21051	
1.3 XLI	E10	55	4E-FE		09.1995->04.1997		250-24866	
1.3 XLI 16V	E10	65	4E-FE		07.1992->05.1995		250-24151	
	E10	65	4E-FE		05.1995->09.1995		250-24866	
1.4	E11	63	4E-FE		04.1997->09.1999		250-24866	
1.4 16V	E11	71	4ZZ-FE		02.2000->10.2001		250-24168	250-241061
1.4 VVT-i	E12U, E12J	71	4ZZ-FE		01.2002->05.2004		250-24710	250-24968
	E12U, E12J	71	4ZZ-FE		05.2004->12.2006		250-24777	250-24968
1.6	E9	66	4A-F		05.1989->08.1989		250-24059	
1.6 16V	E11	81	3ZZ-FE		02.2000->10.2001		250-24106	250-24107
1.6 i 4WD	E9	77	4A-FE		05.1989->08.1989		250-24059	
	E9	77	4A-FE		08.1989->08.1990		250-24281	
1.6 Si	E10	84	4A-FE		09.1995->04.1997		250-24151	
1.6 VVT-i	E12U, E12J	81	3ZZ-FE		01.2002->12.2006		250-24777	250-241021
COROLLA COMBI								
1.4 VVT-i	E12J, E12T	71	4ZZ-FE		01.2002->06.2004		250-24710	
	E12J, E12T	71	4ZZ-FE		05.2004->02.2007		250-24777	250-24968
1.6 VVT-i	E12J, E12T	81	3ZZ-FE		01.2002->02.2007		250-24777	250-24902
COROLLA COMPACT								
1.3	E9	55	2E		08.1987->12.1989		250-21051	
1.3i	E9	55	2E-E		06.1989->04.1992		250-21051	
1.3 XLI	E10	55	4E-FE		09.1995->04.1997		250-24866	
1.3 XLI 16V	E10	65	4E-FE		07.1992->05.1995		250-24151	
	E10	65	4E-FE		05.1995->09.1995		250-24866	
1.4	E11	63	4E-FE		04.1997->09.1999		250-24866	
	E11	71	4ZZ-FE		02.2000->10.2001		250-24168	250-241061
1.6	E11	81	3ZZ-FE		02.2000->10.2001		250-24106	250-24107
1.6 GTi	E9	85	4A-GE		08.1987->08.1989		250-24059	
	E9	85	4A-GE		08.1989->04.1992		250-24507	
1.6 Si	E10	84	4A-FE		07.1992->04.1997		250-24151	
1.8 GT	E10	86	7A-FE		11.1992->05.1995		250-24151	
COROLLA COUPE								
1.6 16V	AE86	85	4A-GEC		12.1985->04.1987		250-21053	
1.6 GT 16V	AE86	91	4A-GE		05.1985->05.1987		250-21051	
COROLLA KOMBI								
1.4 VVT-i	_E12J_, _E12T_	71	4ZZ-FE	M/T	01.2002->02.2007			250-24968
1.6 VVT-i	_E12J_, _E12T_	81	3ZZ-FE	To Con. 05.2004	01.2002->02.2007			250-241021
COROLLA LIFTBACK								
1.3i	E9	55	2E-E,2E		08.1987->04.1992		250-21051	
1.3 XLI	E10	65	4E-FE		07.1992->05.1995		250-24151	
	E10	65	4E-FE		05.1995->04.1997		250-24866	
1.4	E11	63	4E-FE		04.1997->11.1999		250-24866	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
TOYOTA (cont'd)								
COROLLA LIFTBACK (cont'd)								
1.4	E11	71	4ZZ-FE		02.2000->10.2001		250-24168	250-241061
1.6	E11	81	3ZZ-FE		02.2000->10.2001		250-24106	250-24107
1.6 GLI	E10	84	4A-FE		07.1992->04.1997		250-24151	
	E9	92	4A-GE		07.1987->08.1989		250-24059	
	E9	92	4A-GE		08.1989->06.1993		250-24507	
1.8 GT	E10	86	7A-FE		11.1992->05.1995		250-24151	
COROLLA SALOON								
1.4 VVT-i	E12J, E12T	71	4ZZ-FE		08.2002->06.2004		250-24710	250-24968
	E12J, E12T	71	4ZZ-FE		05.2004->02.2007		250-24777	
1.6 VVT-i	E12J, E12T	81	3ZZ-FE		08.2002->02.2007		250-24777	250-241021
COROLLA STATION WAGON								
1.3	E9	55	2E		12.1987->12.1989		250-21051	
1.3i	E9	55	2E-E		08.1989->05.1992		250-21051	
1.6 XLI 4x4	E9	77	4A-FE		05.1989->08.1989		250-24059	
1.6 XLI 4WD (AE95)	E9	77	4A-FE	Fr.Con. 08.1989	08.1989->06.1992		250-24281	
COROLLA VERSO								
1.6	ZER, ZZE	81	3ZZ-FE		04.2004->up		250-24777	250-24902
1.6 VVT-i	E12J	81	3ZZ-FE		01.2002->12.2003		250-24777	
1.8	ZER, ZZE	95	1ZZ-FE		04.2004->up		250-24777	250-24902
1.8 VVT-i	E12J	99	1ZZ-FE		01.2002->12.2003		250-24486	250-24486
2.2 D-4D	ZER, ZZE	130	2AD-FHV		10.2005->up			800-94002
COROLLA WAGON								
1.3 XLI	E10	55	4E-FE		09.1995->04.1997		250-24866	
1.3 XLI 16V	E10	65	4E-FE		07.1992->05.1995		250-24151	
	E10	65	4E-FE		05.1995->09.1995		250-24866	
1.4	E11	63	4E-FE		04.1997->09.1999		250-24866	
1.4 16V	E11	71	4ZZ-FE		02.2000->10.2001		250-24168	250-24107
	E11	81	3ZZ-FE		02.2000->10.2001		250-24106	250-24107
1.6 Si	E10	84	4A-FE		07.1992->04.1997		250-24151	
HIACE III BOX								
2.4	H10	88	2RZ-E		08.1989->05.1992		250-24051	
	H10	88	2RZ-E		05.1992->07.1995		250-24151	
2.4 4WD	H10	88	2RZ-E		08.1989->05.1992		250-24051	
	H10	88	2RZ-E		05.1992->07.1995		250-24151	
HIACE III WAGON								
2.4	H10	88	2RZ-E		08.1989->05.1992		250-24051	
	H10	88	2RZ-E		05.1992->07.1995		250-24151	
2.4 4WD	H10	88	2RZ-E		08.1989->05.1992		250-24051	
	H10	88	2RZ-E		05.1992->07.1995		250-24151	
HIACE IV BOX								
2.7	H1, H2	105	3RZ-FE		08.2001->05.2006		250-24305	
2.7 4WD	H1, H2	105	3RZ-FE		08.2001->05.2006		250-24305	
HIACE IV WAGON								
2.7	H1, H2	106	3RZ-FE		11.2001->05.2006		250-24305	
2.7 4WD	H1, H2	105	3RZ-FE		08.2001->05.2006		250-24305	
HILUX PICKUP								
2.4i 4WD	N	84,103	22RE		08.1991->08.1997		250-24052	
	N	84	22RE		06.1989->08.1991		250-24056	
LANDCRUISER								
2.4	J7	84	22RE		12.1988->01.1990		250-24051	
4.0	J12	183	1GR-FE		01.2003->08.2004	Left	250-54008	250-24906
	J12	183	1GR-FE		01.2003->08.2004	Right	250-54008	250-24906
	J12	183	1GR-FE		08.2004->up	Left	250-54050	250-24360
	J12	183	1GR-FE		08.2004->up	Right	250-54050	250-24360
LANDCRUISER 80								
4.0	J8	115	3F-E		01.1990->08.1992	Left	250-24051	
	J8	115	3F-E		01.1990->08.1992	Right	250-24150	
4.5 24V	J8	151	1FZ-FE		08.1992->01.1995	Left	250-24501	
	J8	151	1FZ-FE		08.1992->01.1995	Right	250-24501	
	J8	151	1FZ-FE		01.1995->12.1997		250-24157	
LANDCRUISER 90								
3.4 i 24V	J9	131	5VZ-FE		08.2001->09.2002		250-54051	250-24154
	J9	131	5VZ-FE		08.2001->09.2002		250-54052	
	J9	131	5VZ-FE		04.1996->09.2002			
LANDCRUISER 100								
4.7	J10	173	2UZ-FE		01.1998->05.2005		250-24169	250-24154
	J10	175	2UZ-FE		05.2005->up		250-54050	250-24360



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
TOYOTA (cont'd)								
MR 2								
1.6 16V	W1	85	4A-GELC		11.1985->08.1987		250-21056	
1.8 16V VT-i	W2	103	1ZZ-FE		04.2000->up		250-24360	250-24404
2.0 16V	W3	115	3S-GE		11.1993->06.1996		250-24154	
2.2i 16V		100			12.1989->01.1992		250-22068	
		100			01.1992->06.1995		250-21054	250-22003
PASEO COUPE								
1.5 16V	EL54	66	5E-FE		08.1995->08.1996		250-24360	
	EL54	66	5E-FE		08.1996->07.1999		250-22010	
PICNIC								
2.0	XM10	90	1AZ-FE		01.2001->12.2001	Left	250-54002	250-24137
	XM10	90	1AZ-FE		01.2001->12.2001	Right	250-54078	250-24137
2.0 16V	XM10	94	3S-FE		09.1996->05.2000		250-24360	
2.0VVTi 16V		110			10.2003->07.2005			250-24244
PREVIA								
2.4	TCR1, 2	97	2TZ-FE		05.1990->01.1994		250-24052	250-22052
	TCR1, 2	97	2TZ-FE		01.1994->01.2000		250-24153	
2.4 4WD	TCR1, 2	97	2TZ-FE		05.1990->01.1994		250-24052	250-22052
	TCR1, 2	97	2TZ-FE		01.1994->01.2000		250-24153	
2.4 16V	ACR3	115	2AZ-FE		08.2000->04.2003	Left	250-54002	250-24137
	ACR3	115	2AZ-FE		08.2000->04.2003	Right	250-54003	250-24623
	ACR3	115	2AZ-FE		04.2003->up		250-54007	250-24855
PRIUS								
1.8VVT-i Auto 16V		60	60		04.2009->up		250-24870	
Plug in 1.8VVT-i Auto 16V		60	60		12.2009->10.2010		250-24870	
1.8 Hybrid	ZVW3_	73	2ZRFXE		04.2009->up		250-24870	
PRIUS LIFTBACK								
1.5		57	1NZ-FXE	Hybrid	08.2003->up		250-54006	250-24623
PRIUS SALOON								
1.5	NHW11	53	1NZ-FXE	Hybrid	05.2000->07.2003		250-24360	250-24298
RAV 4 I								
2.0 16V	SXA1	95	3S-FE		06.1994->08.1996		250-24974	
	SXA1	95	3S-FE		08.1996->06.2000		250-24360	
2.0 4WD	SXA1_	95		To Con: 08.1996	06.1994->06.2000		250-24974	
RAV 4 I CABRIO								
2.0 16V	SXA1	94	3S-FE		12.1997->05.2000		250-24360	
RAV 4 II								
1.8 VVTi	XA2	92	1ZZ-FE		02.2001->11.2005			250-24855
2.0 VVTi 4WD	XA2	110	1AZ-FE		06.2000->07.2003	Left	250-54073	250-24137
	XA2	110	1AZ-FE		06.2000->07.2003	Right	250-54078	250-24137
	XA2	110	1AZ-FE		07.2003->11.2005		250-54007	250-24918
RAV 4 III								
2.0 VVT-i	ACA, ACE	112	1AZ-FE		03.2006->up		250-54007	250-24360
2.2 D-CAT	ACA, ACE, ALA	130	2AD-FHV		03.2006->up			800-94003
2.2 D-4D 4WD	ACA3_, ACE_	100	2AD-FTV		03.2006->up			800-94003
	ALA3_, GSA3_	100	2AD-FTV		03.2006->up			800-94003
	ZSA3_	100	2AD-FTV		03.2006->up			800-94003
	ACA3_, ACE_	110	2ADFTV-DCRE		12.2008->up			800-94003
	ALA3_, GSA3_	110	2ADFTV-DCRE		12.2008->up			800-94003
	ZSA3_	110	2ADFTV-DCRE		12.2008->up			800-94003
STARLET								
1.3	P7	55	2E-LC		11.1988->11.1989		250-21056	
	EP91	55	4E-FE		04.1996->03.1999		250-24151	
1.3 12V	P8	55	2E-E		06.1991->12.1995		250-22052	
SUPRA								
3.0 24V	MA70	150	7M-GE		01.1986->08.1988		250-21051	
	MA70	150	7M-GE		08.1988->08.1988		250-21056	
3.0 Turbo	MA70	173	7M-GTE		09.1987->08.1990		250-23051	
	MA70	173	7M-GTE		08.1990->04.1993		250-23052	
3.0 i Bi-Turbo	JZA80	243	2JZ-GTE		05.1993->05.1996		250-24288	250-24277
TERCEL								
1.5 4WD	AL2	52	3A		10.1982->01.1988		250-21056	
	AL2	50	3A-C		05.1986->01.1988		250-21056	
VERSO S								
1.33	NLP12_, NCP12_	73	1NRFE-EFI		11.2010->up		250-54066	
	NSP12_	73	1NRFE-EFI		11.2010->up		250-54066	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
TOYOTA (cont'd)								
YARIS								
1.0 16V	CP10	48	1SZ-FE		03.2003->11.2005		250-24906	250-24176
	CP10	50	1SZ-FE		04.1999->12.2002		250-24137	250-24360
	CP10	50	1SZ-FE		01.2001->02.2003		250-24874	250-24901
	CP10	50	1SZ-FE		02.2003->11.2005		250-24901	250-24889
1.0 VVT-i		51	1KR-FE		01.2006->up		250-24710	250-24874
1.3	CP10	64	2SZ-FE		05.2002->11.2005		250-24360	250-24176
1.3 16V	CP10	63	2NZ-FE		11.1999->12.2002		250-24360	250-24298
1.3 VVT-i		64	2SZ-FE		01.2006->up		250-24906	250-24176
1.5 VVT-i TS	CP10	78	1NZ-FE		04.2001->12.2002		250-24360	250-24298
	P1	78	1NZ-FE		12.2002->08.2005		250-24927	
1.8 VVTi		98	2ZR-FE		01.2007->up		250-54006	
YARIS VERSO								
1.3	NC/LP2	63	2NZ-FE		11.1999->11.2002		250-24360	250-24298
	NC/LP2	63	2NZ-FE	For OE No.8946520810	11.2002->up		250-24927	
	NC/LP2	63	2NZ-FE	For OE No.8946552190	11.2002->up		250-24489	
1.5	NC/LP2	78	1NZ-FE		03.2000->11.2002		250-24360	250-24298
	NC/LP2	78	1NZ-FE	For OE No.8946520810	11.2002->up		250-24927	
	NC/LP2	78	1NZ-FE	For OE No.8946552910	11.2002->up		250-24489	
VAUXHALL								
AGILA								
1.0 12V		43	Z10XE		09.2000->08.2003		250-24648	250-24612
		44	Z10XEP		08.2003->12.2007		250-24648	250-24648
1.2 16V		55	Z12XE		09.2000->08.2004		250-24682	250-24612
1.2 16V Twinport		59	Z12XEP		09.2004->12.2007		250-24648	250-24648
AGILA MK II								
1.0 12V	B	48	K10B		01.2008->up			250-241029
1.2 i 16V	B	63	K12B		01.2008->up		250-25099	250-241029
1.3 CDTI	B	55	D13A, Z13DTJ		01.2008->up			800-95026
ANTARA								
3.0	J26, H26	188	A30XH		11.2010->up	Left	250-24649	
	J26, H26	188	A30XH		11.2010->up	Right	250-24649	
3.2 V6		165	Z32SEE		11.2006->up	Left	250-25049	250-24612
		165	Z32SEE		11.2006->up	Right	250-25049	250-24612
ASTRA MK II BELMONT								
1.4i		44	C14NZ		08.1990->09.1991		250-21001	
ASTRA MK II CC								
1.4i		44	C14NZ		01.1990->08.1991		250-21001	
2.0 GTE 16V		115	C20XE		05.1988->08.1991		250-23138	
ASTRA MK II CONVERTIBLE								
1.6i		55	E16NZ		01.1991->12.1991		250-21001	
1.6i CAT		55	C16NZ		10.1987->10.1991		250-21001	
2.0i		85	C20NE		03.1987->09.1991		250-23138	
2.0i CAT		85	C20NE		09.1991->08.1993		250-23146	
ASTRA MK III								
1.4i		44	C14NZ		04.1992->12.1996		250-21001	
		60	C14SE		03.1992->03.1998		250-21001	
1.4i 16V		66	X14XE		02.1996->03.1998		250-21001	
1.6i		52	X16SZ		08.1994->07.1996		250-21001	
		55	C16NZ		03.1992->09.1998		250-21001	
		74	C16SE		05.1992->12.1994		250-21001	
1.6i 16V		74	X16XEL	To Ch. No. S2531218, S5223656	08.1994->12.1995		250-21038	
		74	X16XEL	Fr. Ch. No. S2531219, S5223657	01.1995->03.1998		250-21001	
1.8i		66	C18NZ		03.1992->09.1998		250-21001	
1.8i 16V		85	C18XEL		01.1994->12.1996		250-24803	
		92	C18XE		06.1993->10.1994		250-24803	
2.0i		85	C20NE		03.1992->03.1998		250-23146	
2.0i 16V		100	X20XE	To Ch.No.T2500014, T5000073, T8100001	04.1995->12.1996		250-24803	
		100	X20XE	Fr. Ch.No.T2500015, T5000074, T8100001	01.1996->03.1998		250-24806	
ASTRA MK III CC								
1.4i		44	C14NZ		10.1991->12.1996		250-21001	
		60	C14SE		03.1992->02.1998		250-21001	
1.4i 16V		66	X14XE		02.1996->02.1998		250-21001	
1.6i		52	X16SZ		07.1994->02.1998		250-21001	
		55	C16NZ		10.1991->10.1993		250-21001	
		74	C16SE		03.1992->02.1998		250-21001	
1.6i 16V		74	X16XEL	To Ch. No. S2531218, S5223656	08.1994->12.1995		250-21038	
		74	X16XEL	Fr. Ch. No. S2531219, S5223657	01.1995->02.1998		250-21001	
1.8i		66	C18NZ		10.1991->07.1994		250-21001	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VAUXHALL (cont'd)								
ASTRA MK III CC (cont'd)								
1.8i 16V		85	C18XEL		09.1994->02.1998		250-24803	
		92	C18XE		09.1994->02.1998		250-24803	
2.0i		85	C20NE		09.1991->02.1998		250-23146	
2.0i 16V		100	X20XEV	To Ch.No.T2500014,T5000073,T8100001	04.1995->12.1996		250-24803	
		100	X20XEV	Fr. Ch.No.T2500015,T5000074,T8100001	01.1996->02.1998		250-24806	
2.0i 16V		110	C20XE	To Ch.No.N2999999,NE299999,P1000345	10.1991->12.1993		250-23138	
		110	C20XE	Fr. Ch.No.P1000346,P2500001,P8100001	01.1993->02.1998		250-23146	
ASTRA MK III CONVERTIBLE								
1.4i		60	C14SE		05.1993->03.1998		250-21001	
1.4i 16V		66	X14XE		01.1996->03.2001		250-21001	
1.6i		52	X16SZ		01.1996->08.1996		250-21001	
		55	X16SZR		01.1996->03.2001		250-21001	
1.8i 16V		85	X18XE	To Ch.No.T2500014,T5000073,T8100001	01.1996->12.1996		250-24803	
		85	X18XE	Fr. Ch.No.T2500015,T5000074,T8100001	01.1996->03.2001		250-24806	
2.0i		85	C20NE		03.1993->10.1994		250-23146	
ASTRA MK III ESTATE								
1.4i		44	C14NZ		10.1991->12.1996		250-21001	
		60	C14SE		09.1991->02.1998		250-21001	
1.4i 16V		66	X14XE		02.1996->01.1998		250-21001	
1.6i		52	X16SZ		07.1994->06.1995		250-21001	
		55	C16NZ		09.1991->02.1998		250-21001	
1.6i 16V		74	X16XEL	To Ch. No. S2531218, S5223656	08.1994->12.1995		250-21038	
		74	X16XEL	Fr. Ch. No. S2531219, S5223657	01.1995->02.1998		250-21001	
1.6 Si		74	C16SE		09.1991->12.1994		250-21001	
1.8i		66	C18NZ		10.1991->07.1994		250-21001	
1.8i 16V		85	C18XEL		09.1994->02.1998		250-24803	
		92	C18XE		09.1994->02.1998		250-24803	
2.0i		85	C20NE		09.1991->02.1998		250-23146	
2.0i 16V		100	X20XEV	To Ch.No.T2500014,T5000073,T8100001	04.1995->12.1996		250-24803	
		100	X20XEV	Fr.Ch.No.T2500015,T5000074,T8100001	01.1996->02.1998		250-24806	
ASTRA MK IV								
1.2 16V		48	X12XE		09.1998->08.2000		250-241024	
		55	Z12XE		09.2000->08.2005		250-24648	250-24612
1.4 16V		66	X14XE	To Ch. No. 18999999	09.1998->08.2000		250-24012	
		66	X14XE	Fr. Ch. No. 22000001	09.1998->08.2000		250-24573	
1.6		55	X16SZR		10.1998->08.2000		250-21001	
		62	Z16SE		09.2000->12.2001		250-24400	250-24400
		62	Z16SE		01.2002->12.2005		250-24400	250-24592
1.6 16V		74	X16XEL		09.1998->12.2001		250-24012	
		74	X16XEL		01.2002->12.2005		250-24592	
1.6 Dualfuel		63	Z16YNG		03.2003->02.2004		250-24590	250-24592
1.8 16V		85	X18XE1		09.1998->08.2000		250-24803	
		92	Z18XE		09.2000->12.2005		250-24803	
1.8 16V Dualfuel		87	Z18LPG		09.2002->05.2005		250-24733	250-24400
2.0 16V		100	X20XEV		09.1998->12.2005		250-24806	
		108	Z22SE		06.2002->12.2005		250-24706	250-24731
ASTRA MK IV CC								
1.2 16V		48	X12XE		04.1998->09.2000		250-241024	
		55	Z12XE		09.2000->02.2004		250-24648	250-24612
1.4 16V		66	X14XE		02.1998->12.2001		250-24012	
		66	X14XE		01.2002->02.2004		250-24592	
1.6		55	X16SZR		04.1998->08.2000		250-21001	
		62	Z16SE		09.2000->12.2001		250-24400	250-24400
		62	Z16SE		01.2002->02.2004		250-24400	250-24592
1.6 16V		74	X16XEL		04.1998->12.2001		250-24012	
		74	X16XEL		01.2002->02.2004		250-24592	
1.6 Dualfuel		63	Z16YNG		03.2003->02.2004		250-24590	250-24592
1.8 16V		85	X18XE1		04.1998->08.2000		250-24803	
		92	Z18XE		09.2000->02.2004		250-24803	
1.8 16V Dualfuel		87	Z18LPG		09.2002->02.2004		250-24733	250-24400
2.0 16V		100	X20XEV		04.1998->02.2004		250-24806	
2.0 SRI Turbo		141	Z20LET		07.2002->02.2004		250-24648	250-24738
2.2 16V		108	Z22SE		06.2002->02.2004		250-24706	250-24731
ASTRA MK IV CONVERTIBLE								
1.6 16V		74	X16XEL		08.2001->12.2001		250-24012	
		74	X16XEL		01.2002->12.2005		250-24592	
		74	Z16XEP		04.2003->12.2005		250-24735	250-24648
1.8 16V		92	Z18XE		04.2001->12.2005		250-24733	250-24400
2.0 Turbo		141	Z20LET		03.2002->08.2005		250-24648	
2.2 16V		108	Z22SE		04.2001->12.2005		250-24706	250-24731



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VAUXHALL (cont'd)								
ASTRA MK IV COUPE								
1.8 16V		85	X18XE1		03.2000->10.2000		250-24803	
		92	Z18XE		03.2004->up		250-24733	250-24400
1.8 16V Dualfuel		87	Z18LPG		09.2002->02.2005		250-24733	250-24400
2.0 16V Turbo		140	X20XEV		09.2000->02.2005		250-24806	
		140	Z20LET		04.2002->02.2004		250-24648	250-24738
2.2 16V		108	Z22SE		07.2000->02.2005		250-24706	250-24731
ASTRA MK IV ESTATE								
1.2 16V		48	X12XE		04.1998->09.2000		250-241024	
		55	Z12XE		09.2000->02.2004		250-24648	250-24612
1.4 16V		66	X14XE		02.1998->12.2001		250-24012	
		66	X14XE		01.2002->02.2004		250-24592	
1.6		55	X16SZR		04.1998->09.2000		250-21001	
		62	Z16SE		09.2000->12.2001		250-24400	250-24400
		62	Z16SE		01.2002->02.2004		250-24400	250-24592
1.6 16V		74	X16XEL		04.1998->12.2001		250-24012	
		74	X16XEL		01.2002->02.2004		250-24592	
1.6 Dualfuel		63	Z16YNG		03.2003->04.2004		250-24590	250-24592
1.8 16V		85	X18XE1		04.1998->09.2000		250-24803	
		92	Z18XE		09.2000->02.2004		250-24733	250-24400
1.8 16V Dualfuel		87	Z18LPG		09.2002->02.2004		250-24733	250-24400
2.0 16V		100	X20XEV		04.1998->02.2004		250-24806	
2.2 16V		108	Z22SE		03.2001->02.2004		250-24706	250-24731
ASTRA MK V CC								
1.3 CDTi		66	Z13DTH		10.2005->up			800-95018
1.4		66	Z14XEP		03.2004->up		250-24648	250-24648
1.6		77	Z16XEP		03.2004->12.2005		250-24735	250-24648
		77	Z16XEP	RH Drive	01.2006->12.2006		250-24846	250-24648
		85	Z16XEP		01.2007->up		250-24846	250-24648
1.7 CDTi		81	A17DTJ, Z17DTJ/F	Particulate Filter	01.2004->05.2009		250-54091	
1.8		92	Z18XE		03.2004->02.2005		250-24733	250-24400
1.8		103	Z18XER,A18XER		01.2004->05.2009		250-24984	250-24984
1.9 CDTi		88	Z19DT		08.2005->up			800-95017
		110	Z19DTH		06.2004->up			800-95017
1.9 CDTi 16V		88	Z19DTJ		04.2004->up			800-95017
2.0 Turbo		125	Z20LEL		03.2004->up		250-24648	250-24738
		147	Z20LER		03.2004->up		250-24648	250-24738
		177	Z20LEH		03.2005->up		250-24648	250-24738
ASTRA MK V ESTATE								
1.3 CDTi		66	Z13DTH		08.2005->up			800-95018
1.4		66	Z14XEP		08.2004->up		250-24648	250-24648
1.6		77	Z16XEP		08.2004->12.2005		250-24735	250-24648
		77	Z16XEP		01.2006->up		250-24846	250-24648
		85	Z16EXP		01.2007->up		250-24846	250-24648
1.7 CDTi		81	A17DTJ, Z17DTJ/F	On Particulate Filter	08.2004->03.2009			250-54091
		92	A17DTR, Z17DTR	On Particulate Filter	02.2007->10.2010			250-54091
1.8		92	Z18XE		08.2004->up		250-24733	250-24400
1.8		103	Z18XER		10.2004->03.2009		250-24984	250-24984
1.9 CDTi		88	Z19DT		09.2005->up			800-95017
		110	Z19DTH		08.2004->up			800-95017
1.9 CDTi 16V		88	Z19DTJ		08.2004->up			800-95017
2.0 Turbo		125	Z20LEL		08.2004->up		250-24648	250-24738
		147	Z20LER		08.2004->up		250-24648	250-24738
ASTRA MK V SPORT HATCH								
1.6		77	Z16XEP		03.2005->12.2005		250-24735	
		77	Z16XEP		01.2006->up		250-24846	250-24648
1.7 CDTi		81	A17DTJ, Z17DTJ/F	On Particulate Filter	02.2007->11.2010			250-54091
1.8		92	Z18XE		03.2005->up		250-24733	250-24400
1.8 i 16V		103	Z18XER		03.2007->11.2010		250-24984	250-24984
1.9 CDTi		74	Z19DTL		08.2005->up			800-95017
		88	Z19DTH		03.2005->up			800-95017
		110	Z19DTH		03.2005->up			800-95017
2.0 Turbo		125	Z20LEL		03.2005->up		250-24648	250-24738
ASTRA TWINTOP								
1.6		77	Z16XEP		09.2005->12.2005		250-24735	
		77	Z16XEP		01.2006->12.2006		250-24846	250-24648
2.0		125	Z20LEL		02.2006->09.2006		250-24648	250-24738
ASTRA TWINTOP MK V								
1.6	H	132	Z16LET		10.2006->up		250-24612	
1.8	H	103	Z18XER		05.2008->11.2010		250-24984	250-24984
ASTRA VAN MK III								
1.4i		44	C14NZ		10.1991->10.1994		250-21001	



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VAUXHALL (cont'd)								
ASTRA VAN MK III (cont'd)								
1.6i		52	X16SZ		02.1994->10.1996		250-21001	
		55	C16NZ		09.1991->03.1998		250-21001	
ASTRA VAN MK IV								
1.6i		55	X16SZR		08.1998->09.2000		250-21001	
		62	Z16SE		09.2000->12.2001		250-24400	250-24400
		62	Z16SE		01.2002->02.2004		250-24400	250-24592
BRAVA PICK UP								
2.3		69	4ZD1		08.1991->07.1994		250-23004	
		72	4ZD1		08.1994->09.1996		250-23004	
2.3 4x4		69	4ZD1		07.1994->08.1994		250-23004	
		72	4ZD1		08.1994->06.1996		250-23004	
CALIBRA								
2.0i		85	C20NE		06.1990->08.1996		250-23138	
2.0i 16V		100	X20XEV	To Ch. No. T9004511	06.1990->12.1995		250-24803	
		100	X20XEV	Fr. Ch. No. T9004512	01.1996->06.1997		250-24806	
		110	C20XE	To Ch. No. N9999999, P1000345	06.1990->12.1993		250-23138	
		110	C20XE	Fr. Ch. No. P1000346, P9000001	01.1993->02.1994		250-23146	
2.0i 16V 4x4		110	C20XE		09.1990->04.1992		250-23138	
2.0i 4x4		85	C20NE		06.1990->07.1997		250-23138	
2.0i Turbo 4x4		150	C20LET		04.1992->07.1997		250-23146	
2.5i V6		125	C25XE		08.1993->06.1996		250-23146	
		125	X25XE		07.1996->07.1997		250-23138	
CARLTON MK III								
2.0		73	C20NEJ		09.1990->03.1994		250-23146	
		74	C20NEF		09.1990->03.1994		250-23146	
		85	C20NE		09.1990->03.1994		250-23146	
2.4i		92	C24NE		09.1988->03.1994		250-23138	
2.6i		110	C26NE		09.1990->03.1994		250-23146	
3.0 3000 24V		150	C30SE	To Ch. No. L1999999	10.1989->12.1990		250-23138	
		150	C30SE	Fr. Ch. No. M1000001	01.1991->08.1993		250-23146	
3000		115	C30LE		03.1987->12.1987		250-23138	
3000 24V		147	C30SEJ		09.1989->03.1994		250-23138	
3000 CAT		130	C30NE		03.1988->03.1994		250-23138	
		130	C30NE	To Ch. No. K1000471, RH Drive	03.1988->03.1994		250-23138	
		130	C30NE	Fr. Ch. No. K1000472, RH Drive	03.1988->03.1994		250-23146	
CARLTON MK III ESTATE								
2.0		74	C20NEF		09.1990->03.1994		250-23146	
		85	C20NE		09.1986->03.1994		250-23146	
2.0i		73	C20NEJ		09.1990->03.1994		250-23146	
2.4i		92	C24NE		09.1988->03.1994		250-23138	
2.6i		110	C26NE		09.1990->03.1994		250-23146	
3.0		130	C30NE	To Ch. No. K1000471, RH Drive	03.1987->03.1994		250-23138	
		130	C30NE	Fr. Ch. No. K1000472, RH Drive	03.1987->03.1994		250-23146	
3.0 24V		147	C30SEJ		09.1989->03.1994		250-23138	
CAVALIER MK II								
1.6i		55	E16NZ		09.1986->08.1988		250-21001	
1.6i CAT		55	C16NZ		09.1986->08.1988		250-21001	
1.8i CAT		74	C18NE		01.1985->08.1986		250-23138	
2.0i		85	20NE		09.1986->08.1988		250-23138	
2.0i CAT		85	C20NE		09.1986->08.1988		250-23138	
CAVALIER MK II CC								
2.0i CAT		85	C20NE		09.1986->08.1988		250-23138	
CAVALIER MK III								
1.6i	87	52	X16SZ		09.1994->11.1995		250-21001	
	87	55	C16NZ		09.1991->10.1995		250-21001	
1.8	87	66	C18NZ		09.1988->10.1992		250-21001	
1.8i CAT	87	66	C18NZ		09.1990->10.1995		250-21001	
2.0i	87	85	20NE		10.1988->10.1990		250-23138	
2.0i 4x4	87	85	20NE		01.1991->10.1992		250-23138	
2.0i 16V	87	110	C20XE	Fr.Ch.No. P1000001, To Ch.No. N5999999	09.1988->11.1995		250-23138	
2.0i 16V 4x4	87	110	C20XE	Fr.Ch.No. P1000001, To Ch.No. N5999999	09.1988->11.1995		250-23138	
2.0i CAT	87	85	C20NE		09.1990->05.1994		250-23138	
2.0i Turbo 4x4	87	150	C20LET		09.1992->07.1994		250-23146	
2.0 SRI 16V	87	100	X20XEV		03.1994->10.1995		250-24803	
2.5 V6	87	125	C25XE		03.1993->06.1994		250-23146	
CAVALIER MK III CC								
1.6i		52	C16NZ		09.1993->10.1995		250-21001	
		55	C16NZ		09.1991->10.1995		250-21001	
1.8		66	C18NZ		09.1988->10.1990		250-21001	
1.8i CAT		66	C18NZ		09.1990->10.1995		250-21001	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VAUXHALL (cont'd)								
CAVALIER MK III CC (cont'd)								
2.0i		85	C20NE		10.1988->10.1992		250-23138	
2.0i 16V		100	X20XE		03.1994->10.1995		250-24803	
		110	C20XE		09.1988->11.1995		250-23138	
2.0i 16V 4x4		110	C20XE		01.1992->11.1993		250-23138	
2.0i 4x4		85	20NE		01.1991->10.1992		250-23138	
2.0i CAT		85	C20NE		09.1990->05.1994		250-23138	
2.5 V6		125	C25XE		02.1993->11.1995		250-23138	
COMBO								
1.2		33	C12NZ,X12SZ		09.1994->10.2001		250-21001	
1.4		44	C14NZ		07.1994->03.1998		250-21001	
		60	C14SE		09.1994->10.2001		250-21001	
		66	Z14XEP		07.2004->up		250-24648	250-24648
1.6		64	Z16SE		10.2001->06.2004		250-24592	250-24592
COMBO MK II								
1.6 CNG 16V		71	Z16YNG	C Kasten/Kombi (F25)	04.2005->02.2012			250-24845
CORSA								
1.0i 12V		40	X10XE		04.1997->08.2000		250-241024	
1.2i		33	C12NZ		04.1993->08.1998		250-21001	
1.2i 16V		48	X12XE		03.1998->08.2000		250-241024	
1.4i		44	C14NZ		04.1993->08.1998		250-21001	
1.4i 16V		66	X14XE	To Ch. No. S4269627, S6011904	09.1994->12.1995		250-21038	
		66	X14XE	Fr. Ch. No. S4269628, S6011905	12.1995->08.2000		250-21001	
1.4i S		60	C14SE		04.1993->07.1994		250-21001	
1.6 GSI 16V		80	C16XE	To Ch. No. S4269627, S6011904	08.1993->12.1995		250-21038	
		80	C16XE	Fr. Ch. No. S4269628, S6011905	01.1995->06.1995		250-21001	
1.6i 16V		78	X16XE		04.1997->08.2000		250-21001	
CORSA CONVERTIBLE								
1.4i 16V		66	X14XE	To Ch. No. S4269627, S6011904	01.1998->01.1999		250-21038	
		66	X14XE	Fr. Ch. No. S4269628, S6011905	01.1998->01.1999		250-21001	
CORSA MK II								
1.0 12V		43	Z10XE		09.2000->08.2003		250-24648	250-24612
1.2 16V		55	Z12XE		09.2000->08.2003		250-24648	250-24612
1.2 16V Dualfuel		55	Z12XE		08.2001->07.2004		250-24648	250-24648
1.4 16V		66	Z14XE	To Ch.No.13999999,14999999,16999999	09.2000->08.2003		250-24590	250-24591
		66	Z14XE	Fr.Ch.No.23000001,24000001,26000001	09.2000->08.2003		250-24590	250-24592
1.8 16V		92	Z18XE		09.2000->08.2003		250-24733	250-24400
CORSA MK III								
1.3 CDTI		66	Z13DTH		07.2006->up			800-95018
CORSA MK III C								
1.0 12V	W5L, F08	44	Z10XEP		11.2003->10.2006		250-24648	250-24648
CORSAVAN								
1.4i		44	C14NZ		01.1994->08.2000		250-21001	
CORSAVAN MK II								
1.2 16V		55	Z12XE		09.2000->08.2003		250-24648	250-24612
1.2 16V Dualfuel		55	Z12XE		08.2001->08.2004		250-24648	250-24648
FRONTERA								
2.2i		100	X22XE		04.1995->09.1998		250-23826	
2.4i		92	C24NE		03.1992->04.1995		250-23138	
FRONTERA MK II								
2.2i		100	X22SE,Y22SE		10.1998->up		250-24012	250-24012
3.2i		151	Y32NE	Fr. Ch. No. 1V500001	10.1998->up	Left	250-24490	250-24490
		151	Y32NE	Fr. Ch. No. 1V500001	10.1998->up	Right	250-24490	250-24490
		151	Y32NE	To Ch. No. YV699999	03.2001->up	Left	250-24012	250-24490
		151	Y32NE	To Ch. No. YV699999	03.2001->up	Right	250-24012	250-24490
FRONTERA SPORT								
2.0i		85	C20NE		03.1992->04.1995		250-23146	
		85	X20SE		04.1995->09.1998		250-23826	
INSIGNIA								
2.0 Turbo		162	A20NHT		07.2008->up			250-24773
		162	A20NHT		07.2008->up			250-24773
INSIGNIA SEDAN								
2.0 Turbo		162	A20NHT		07.2008->up			250-24773
		162	A20NHT		07.2008->up			250-24773
INSIGNIA SPORTS TOURER								
2.0 Turbo		162	A20NHT		07.2008->up			250-24773
		162	A20NHT		07.2008->up			250-24773



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VAUXHALL (cont'd)								
MERIVA								
1.4 16V Twinport		66	Z14XEP		09.2004->up		250-24648	250-24648
1.6i		64	Z16SE		05.2003->08.2004		250-24592	250-24592
1.6i 16V		74	Z16XE		05.2003->07.2004		250-24590	250-24592
1.6i 16V Twinport		77	Z16XEP		01.2006->up		250-24735	250-24648
1.8i 16V		92	Z18XE		05.2003->up		250-24733	250-24400
MERIVA MK I								
1.6 Turbo A		132	Z16LET		05.2006->up		250-24612	250-24853
MONTREY								
3.2		130	6VD1		05.1994->06.1998		250-24389	
NOVA CC								
1.2i CAT		33	C12NZ		02.1992->03.1993		250-21001	
1.3i CAT		44	C13N		09.1989->03.1993		250-21001	
1.4i		44	C14NZ		08.1990->03.1993		250-21001	
1.4i S		60	C14SE		02.1992->03.1993		250-21001	
1.6 GSI		74	E16SE		05.1988->03.1992		250-23138	
1.6 GSI CAT		74	C16SE		02.1992->03.1993		250-21001	
OMEGA								
2.0		85	X20XE		09.1995->10.1995		250-23826	
		85	X20SE		04.1994->10.1995		250-23826	
2.0 16V		100	X20XEV		03.1994->09.1999		250-24807	
2.2 16V		106	Z22XE	A/T	09.1999->up		250-24984	250-24571
		106	Z22XE	M/T	09.1999->up		250-24984	250-24733
2.2i 16V B		106	Z22XE		08.1999->up		250-24984	250-24571
2.2i 16V B Estate		106	Z22XE		08.1999->up		250-24984	250-24571
2.5 V6		125	X25XE	Leaded Fuel	04.1994->09.2000	Left	250-23138	
		125	X25XE	Leaded Fuel	04.1994->09.2000	Right	250-23138	
		125	X25XE	Lead Free Fuel	04.1994->09.2000	Left	250-23826	
		125	X25XE	Lead Free Fuel	04.1994->09.2000	Right	250-23826	
2.6 V6		132	Y26SE	A/T	09.2000->up	Left	250-24682	250-24648
		132	Y26SE	A/T	09.2000->up	Right	250-24682	250-24648
		132	Y26SE	M/T	09.2000->up	Left	250-24612	250-24612
		132	Y26SE	M/T	09.2000->up	Right	250-24612	250-24612
3.0 V6		155	X30XE	Leaded Fuel	06.1994->up	Left	250-23138	
		155	X30XE	Leaded Fuel	06.1994->up	Right	250-23138	
		155	X30XE	Lead Free Fuel	06.1994->up	Left	250-23826	
		155	X30XE	Lead Free Fuel	06.1994->up	Right	250-23826	
3.2 V6		160	Y32SE		02.2001->up	Left	250-24682	250-24648
		160	Y32SE		02.2001->up	Right	250-24682	250-24648
OMEGA ESTATE								
2.0		85	X20SE		04.1994->10.1995		250-23826	
2.0 16V		100	X20XEV		03.1994->09.1999		250-24807	
2.2 16V		106	Z22XE	A/T	09.1999->up		250-24984	250-24571
		106	Z22XE	M/T	09.1999->up		250-24984	250-24733
2.5 V6		125	X25XE	Leaded Fuel	04.1994->09.2000	Left	250-23138	
		125	X25XE	Leaded Fuel	04.1994->09.2000	Right	250-23138	
		125	X25XE	Lead Free Fuel	04.1994->09.2000	Left	250-23826	
		125	X25XE	Lead Free Fuel	04.1994->09.2000	Right	250-23826	
2.6 V6		132	Y26SE	A/T	09.2000->up	Left	250-24682	250-24648
		132	Y26SE	A/T	09.2000->up	Right	250-24682	250-24648
		132	Y26SE	M/T	09.2000->up	Left	250-24612	250-24612
		132	Y26SE	M/T	09.2000->up	Right	250-24612	250-24612
3.0 V6		155	X30XE	Leaded Fuel	07.1994->up	Left	250-23138	
		155	X30XE	Leaded Fuel	07.1994->up	Right	250-23138	
		155	X30XE	Lead Free Fuel	07.1994->up	Left	250-23826	
		155	X30XE	Lead Free Fuel	07.1994->up	Right	250-23826	
3.2 V6		160	Y32SE		02.2001->up	Left	250-24682	250-24648
		160	Y32SE		02.2001->up	Right	250-24682	250-24648
SENATOR MK II								
2.6i		110	C26NE		09.1990->08.1993		250-23146	
3.0		115	C30LE		09.1987->08.1993		250-23138	
3.0 24V		150	C30SE	To Ch. No. L1999999	10.1989->12.1990		250-23138	
		150	C30SE	Fr. Ch. No. M1000001	12.1991->08.1993		250-23146	
3.0i CAT		130	C30NE		09.1990->10.1992		250-23146	
SIGNUM								
1.8		90	Z18XE		06.2003->07.2005		250-24733	250-24400
1.9 CDTI		88	Z19DT		04.2004->08.2005			800-95017
1.9 CDTI 16V		110	Z19DTH		04.2004->up			800-95017
2.0i Turbo		129	Z20NET	To Ch. No. 41039263	06.2003->12.2004		250-24497	250-24920
2.2i		114	Z22YH	To Ch. No. 51065673	06.2003->09.2005		250-25010	250-24853
2.8 V6 Turbo		169	Z28NEL		08.2005->12.2006		250-25035	250-24612



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VAUXHALL (cont'd)								
SIGNUM (cont'd)								
3.2 V6		155	Z32SE		06.2003->09.2005	Left	250-24612	250-24612
		155	Z32SE		06.2003->09.2005	Right	250-24612	250-24612
SINTRA								
2.2i 16 V		104	X22XE		11.1996->04.1999		250-23146	
3.0i 24V		148	X30XE		11.1996->04.1999	Left	250-23826	
		148	X30XE		11.1996->04.1999	Right	250-23826	
TIGRA								
1.4 16V		66	X14XE	To Ch. No. S4269627, S6011904	11.1994->12.1995		250-21038	
		66	X14XE	Fr. Ch. No. S4269628, S6011905	01.1995->12.2000		250-21001	
1.6 16V		78	X16XE	To Ch. No. S4269627, S6011904	11.1994->12.1995		250-21038	
		78	X16XE	Fr. Ch. No. S4269628, S6011905	12.1995->12.2000		250-21001	
TIGRA TWINTOP								
1.4		66	Z14XEP	To Ch. No. 5E99999	07.2004->12.2005		250-24648	
		66	Z14XEP	Fr. Ch. No. 6E000001	01.2006->up		250-24648	250-24648
1.8		92	Z18XE		07.2004->up		250-24733	250-24400
VECTRA								
1.6i		55	X16SZR		10.1995->12.2000		250-21001	
1.6i 16V		74	X16XEL	To Ch. No. W1285446, W7154258	10.1995->12.1998		250-21001	
		74	X16XEL	Fr. Ch. No. W1285447, W7154259	01.1998->10.2001		250-24012	
1.8i 16V		85	X18XE		10.1995->09.2000		250-24806	
		92	Z18XE		09.2000->03.2002		250-24733	250-24400
2.0i 16V		100	X20XEV		10.1995->08.2000		250-24806	
2.2i 16V		108	Z22SE		09.2000->03.2002		250-24706	250-24731
2.5i GSi		143	X25XE	Leaded Fuel	05.1998->09.1999	Left	250-23138	
		143	X25XE	Leaded Fuel	05.1998->09.1999	Right	250-23138	
		143	X25XE	Lead Free Fuel	05.1998->09.1999	Left	250-23146	
		143	X25XE	Lead Free Fuel	05.1998->09.1999	Right	250-23146	
2.5i V6		125	X25XE	Leaded Fuel	10.1995->09.2000	Left	250-23138	
		125	X25XE	Leaded Fuel	10.1995->09.2000	Right	250-23138	
		125	X25XE	Lead Free Fuel	10.1995->09.2000	Left	250-23146	
		125	X25XE	Lead Free Fuel	10.1995->09.2000	Right	250-23146	
2.6i V6		125	Y26SE		09.2000->03.2002		250-24648	250-24682
VECTRA CC								
1.6i		55	X16SZR		10.1995->01.1999		250-21001	
1.6i 16V		74	X16XEL	To Ch. No. W1285446, W7154258	10.1995->12.1998		250-21001	
		74	X16XEL	Fr. Ch. No. W1285447, W7154259	01.1998->10.2001		250-24012	
1.8i 16V		85	X18XE		10.1995->09.2000		250-24806	
		92	Z18XE		09.2000->03.2002		250-24733	250-24400
2.0i 16V		100	C20XEV		10.1995->08.2000		250-24806	
2.2i 16V		108	Z22SE		09.2000->03.2002		250-24706	250-24731
2.5i GSi		143	X25XE	Leaded Fuel	05.1998->09.1999	Left	250-23138	
		143	X25XE	Leaded Fuel	05.1998->09.1999	Right	250-23138	
		143	X25XE	Lead Free Fuel	05.1998->09.1999	Left	250-23146	
		143	X25XE	Lead Free Fuel	05.1998->09.1999	Right	250-23146	
2.5i V6		125	X25XE	Leaded Fuel	10.1995->09.2000	Left	250-23138	
		125	X25XE	Leaded Fuel	10.1995->09.2000	Right	250-23138	
		125	X25XE	Lead Free Fuel	10.1995->09.2000	Left	250-23146	
		125	X25XE	Lead Free Fuel	10.1995->09.2000	Right	250-23146	
2.6i V6		125	Y26SE		09.2000->03.2002		250-24648	250-24682
VECTRA ESTATE								
1.6i		55	X16SZR		11.1996->01.1999		250-21001	
1.6i 16V		74	X16XEL	To Ch. No. W1285446, W7154258	11.1996->12.1998		250-21001	
		74	X16XEL	Fr. Ch. No. W1285447, W7154259	12.1998->03.2002		250-24012	
1.8i 16V		85	X18XE		11.1996->09.2000		250-24806	
		92	Z18XE		09.2000->03.2002		250-24733	250-24400
2.0i 16V		100	X20XEV		11.1996->08.2000		250-24806	
2.2i 16V		108	Z22SE		09.2000->03.2002		250-24706	250-24731
2.5i GSi		143	X25XE	Leaded Fuel	05.1998->09.1999	Left	250-23138	
		143	X25XE	Leaded Fuel	05.1998->09.1999	Right	250-23138	
		143	X25XE	Lead Free Fuel	05.1998->09.1999	Left	250-23146	
		143	X25XE	Lead Free Fuel	05.1998->09.1999	Right	250-23146	
2.5i V6		125	X25XE	Leaded Fuel	11.1996->09.2000	Left	250-23138	
		125	X25XE	Leaded Fuel	11.1996->09.2000	Right	250-23138	
		125	X25XE	Lead Free Fuel	11.1996->09.2000	Left	250-23146	
		125	X25XE	Lead Free Fuel	11.1996->09.2000	Right	250-23146	
2.6i V6		125	Y26SE		09.2000->03.2002		250-24648	250-24682
VECTRA MK II								
1.8 16V		90	Z18XE		04.2002->10.2003		250-24733	250-24400
1.8 16V Dualfuel		90	Z18XE		04.2002->09.2005		250-24733	250-24400
1.8	C	103	Z18XER		01.2006->07.2008		250-24984	250-24984
1.9 CDTI		88	Z19DT		04.2004->08.2005			800-95017



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VAUXHALL (cont'd)								
VECTRA MK II (cont'd)								
1.9 CDTI 16V		110	Z19DTH		04.2004->08.2005			800-95017
2.0 16V Turbo		129	Z20NET	To Ch. No. 41039263, 48034284	05.2003->12.2004		250-24497	250-24920
2.2 16V		108	Z22SE		04.2002->09.2005		250-24273	250-241032
2.2 Direct	C	114	Z22YH		10.2003->02.2009		250-25010	250-24853
2.2 Estate	C	114	Z22YH		10.2005->07.2008		250-25010	250-24853
2.2 GTS	C	114	Z22YH		10.2003->08.2005		250-25010	250-24853
2.8 V6 Turbo		169	Z28NEL		10.2005->up		250-25035	250-24612
		184	Z28NEL		09.2006->up		250-25035	250-24612
3.2 V6		155	Z32SE		06.2003->09.2005	Left	250-24612	250-24612
		155	Z32SE		06.2003->09.2005	Right	250-24612	250-24612
VECTRA MK II ESTATE								
1.8		103	Z28NEL		01.2006->08.2006		250-25035	250-24612
1.8 16V		90	Z18XE		10.2003->08.2005		250-24733	250-24400
1.9 CDTI		88	Z19DT		04.2004->08.2005			800-95017
1.9 CDTI 16V		110	Z19DTH		04.2004->08.2005			800-95017
2.0 16V Turbo		129	Z20NET	To Ch. No. 41039263, 48034284	10.2003->12.2004		250-24497	250-24920
2.8 V6 Turbo		188	Z28NEL		09.2006->up		250-25035	250-24612
3.2 V6		155	Z32SE		10.2003->08.2005	Left	250-24612	250-24612
		155	Z32SE		10.2003->08.2005	Right	250-24612	250-24612
VECTRA MK II GTS								
1.8 16V		90	Z18XE		08.2002->up		250-24733	250-24400
1.8 16V Dualfuel		90	Z18XE		08.2002->09.2005		250-24733	250-24400
1.8	C GTS	103	Z18XER		01.2006->07.2008		250-24984	250-24984
1.9 CDTI		88	Z19DT		04.2004->08.2005			800-95017
1.9 CDTI 16V		110	Z19DTH		04.2004->08.2005			800-95017
2.0 16V Turbo		129	Z20NET	To Ch. No. 41039263, 48034284	05.2003->12.2004		250-24497	250-24920
2.2 16V		108	Z22SE		08.2002->09.2005		250-24273	250-241032
2.2 Direct		114	Z22YH		10.2003->08.2005		250-25010	250-24853
3.2 V6		155	Z32SE		08.2002->09.2005	Left	250-24612	250-24612
		155	Z32SE		08.2002->09.2005	Right	250-24612	250-24612
VX220								
2.0i Turbo		147	Z20LET		05.2004->up		250-24648	250-24738
2.2i		108	Z22SE		09.2000->up		250-24706	250-24731
ZAFIRA								
1.6 16V		74	X16XEL		05.1999->12.2001		250-24012	
		74	X16XEL		01.2002->06.2005		250-24592	250-24592
		74	Z16XE		05.1999->12.2001		250-24590	250-24591
		74	Z16XE		01.2002->06.2005		250-24590	250-24592
1.8 16V		85	X18XE1		05.1999->09.2000		250-24803	
		92	Z18XE		07.2003->06.2005		250-24733	
		92	Z18XE	A/T	09.2000->06.2003		250-24803	250-24400
		92	Z18XE	M/T	09.2000->06.2003		250-24733	250-24400
2.0 GSI Turbo		141	Z20LET		10.2001->06.2005		250-24648	250-24738
2.2 16V		108	Z22SE		09.2000->06.2003		250-24706	250-24731
ZAFIRA MK II								
1.6		77	Z16XEP		07.2005->up		250-24735	250-24648
		83	Z16XEP		02.2009->up		250-24735	250-24648
1.8	B	103	Z18XEP,Z18XER,A18XER		09.2005->up		250-24984	250-24984
2.0		147	Z20LER		02.2009->up		250-24648	250-24738
		177	Z20LEH		02.2009->up		250-24648	250-24738
ZAFIRA MK II B								
2.2	M75	110	Z22YH		07.2005->up		250-25010	250-24853
VOLKSWAGEN								
BORA								
1.4 16V	1J2	55	AHW		03.2000->05.2005		250-24558	
	1J2	55	AKQ,APE		03.2000->05.2005		250-25003	250-24431
	1J2	55	AXP	To Ch.No.1-900 000	05.2000->05.2001		250-25003	250-24431
	1J2	55	AXP	Fr.Ch.No.2-000 001	05.2001->10.2001		250-25003	250-24170
	1J2	55	BCA		10.2001->05.2005		250-25003	250-24170
1.6	1J2	74	AEH,AKL		10.1998->05.2000		250-24843	
	1J2	74	AEH,AKL		05.2000->05.2005		250-24843	
	1J2	74	APF		05.1999->09.2000		250-25004	250-24432
	1J2	75	AVU		09.2000->05.2005		250-25004	250-24432
	1J2	75	BFQ		05.2002->05.2005		250-25004	250-24432
1.6 16V	1J2	77	ATN,AUS,AZD,BCB		05.2000->05.2005			250-24940
1.6 FSI	1J2	81	BAD		01.2002->05.2005		250-25007	
1.8	1J2	92	AGN		02.1999->05.1999		250-24558	
1.8 4motion	1J2	92	AGN		02.1999->10.2000		250-24558	
1.8 T	1J2	110	AGU		05.2000->05.2005		250-24558	
	1J2	110	ARX,AUM		09.2000->05.2005		250-25003	250-24734



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
BORA (cont'd)								
1.8 T	1J2	132	AUQ		05.2002->05.2005		250-25003	250-24734
2.0	1J2	85	APK,AQY		10.1998->05.2005		250-24734	250-24495
	1J2	85	AZJ		05.2001->05.2005		250-25004	250-24495
2.0 4motion	1J2	85	AZH		04.2000->06.2001		250-25004	250-24432
	1J2	85	AZJ		05.2001->05.2003		250-25004	250-24697
2.3 V5	1J2	110	AGZ		10.1998->10.2000		250-24558	
	1J2	125	AQN	To Ch.No.1-900 000	10.2000->05.2001		250-25003	250-24494
	1J2	125	AQN	Fr.Ch.No.2-000 001	05.2001->04.2002		250-25003	250-24170
2.3 V5 4motion	1J2	125	AQN	To Ch.No.1-900 000	10.2000->05.2001	Left	250-25008	250-24493
	1J2	125	AQN	To Ch.No.1-900 000	10.2000->05.2001	Right	250-25008	250-24263
	1J2	125	AQN	Fr.Ch.No.2-000 001	05.2001->04.2002	Left	250-25008	250-24493
	1J2	125	AQN	Fr.Ch.No.2-000 001	05.2001->04.2002	Right	250-25004	250-24263
2.8 V6 4motion	1J2	150	AQP		05.1999->05.2000	Left	250-25008	250-24493
	1J2	150	AQP		05.1999->05.2000	Right	250-25008	250-24263
	1J2	150	AUE		05.2000->04.2001	Left	250-25008	250-24493
	1J2	150	AUE		05.2000->04.2001	Right	250-25008	250-24263
	1J2	150	BDE		05.2001->05.2003	Left	250-25008	250-24493
	1J2	150	BDE		05.2001->05.2003	Right	250-25004	250-24263
BORA ESTATE								
1.4 16V	1J6	55	AHW		09.2001->05.2005		250-24558	
	1J6	55	AXP,BCA		09.2001->05.2005		250-25003	250-24170
1.4 TSI	1K5	103	BMY	M/T	06.2007->up			250-24994
	1K5	125		M/T	06.2007->up			250-24994
1.6	1J6	74	AEH,AKL		05.1999->04.2002		250-24843	
	1J6	74	APF		05.1999->09.2000		250-25004	250-24432
	1J6	75	AVU		09.2000->04.2002		250-25004	250-24432
	1J6	75	BFQ		05.2002->05.2005		250-25004	250-24432
1.6 16V	1J6	77	ATN,AUS,AZD,BCB		02.2000->05.2005			250-24940
1.6 FSI	1J6	81	BAD		01.2002->05.2005		250-25007	
1.8 4motion	1J6	92	AGN		05.1999->10.2000		250-24558	
1.8 T	1J6	110	AGU		09.2000->05.2005		250-24558	
	1J6	110	ARX		09.2000->04.2001		250-25003	250-24734
	1J6	110	AUM		09.2000->05.2005		250-25003	250-24734
	1J6	132	AUQ		05.2002->05.2005		250-25003	
2.0	1J6	85	APK,AQY		05.1999->05.2005		250-24734	250-24495
	1J6	85	AZJ		05.2001->05.2005		250-25004	250-24495
2.0 4motion	1J6	85	AZH		04.2000->06.2001		250-25004	250-24432
	1J6	85	AZH		05.2001->05.2003		250-25004	250-24697
	1J6	85	AZJ		05.2001->05.2003		250-25004	250-24495
2.3 V5	1J6	110	AGZ		05.1999->10.2000		250-24558	
	1J6	125	AQN	To Ch.No.1-900 000	10.2000->05.2001		250-25003	250-24494
	1J6	125	AQN	Fr.Ch.No.2-000 001	05.2001->05.2005		250-25003	250-24170
2.3 V5 4motion	1J6	125	AQN	To Ch.No.1-900 000	10.2000->05.2003	Left	250-25008	250-24493
	1J6	125	AQN	To Ch.No.1-900 000	10.2000->05.2001	Right	250-25008	250-24263
2.3 V5 4motion	1J6	125	AQN	Fr.Ch.No.2-000 001	10.2000->05.2003	Left	250-25008	250-24493
	1J6	125	AQN	Fr.Ch.No.2-000 001	05.2001->05.2003	Right	250-25004	250-24263
2.8 V6 4motion	1J6	150	AQP		05.1999->05.2005	Left	250-25008	250-24493
	1J6	150	AQP		05.1999->05.2005	Right	250-25008	250-24263
	1J6	150	AUE		05.2000->04.2001	Left	250-25008	250-24493
	1J6	150	AUE		05.2000->04.2001	Right	250-25008	250-24263
	1J6	150	BDE		05.2001->05.2003	Left	250-25008	250-24493
	1J6	150	BDE		05.2001->05.2003	Right	250-25004	250-24263
CC								
3.6 FSI 4motion	357	220	BWS		06.2008->05.2010	Left		250-24954
CADDY I								
1.8	14	70	JH		08.1985->07.1992		250-21011	
CADDY II BOX								
1.4	9K9A	55	AUA		09.2000->06.2003			250-24576
60 1.4	9K9A	44	AEX	To Ch.No.W-502 300	11.1995->05.1997		250-24719	
	9K9A	44	AEX	Fr.Ch.No.W-502 301	05.1997->10.1998		250-24147	
	9K9A	44	APQ	To Ch.No.X-521 000	11.1995->05.1997		250-24147	
	9K9A	44	APQ	Fr.Ch.No.X-521 001	10.1998->06.2003		250-24558	
	9K9A	44	AUD	To Ch.No.1-518 700	09.2000->10.2000		250-25007	250-24689
	9K9A	44	AUD	Fr.Ch.No.1-518 701, To Ch.No.3-501 800	10.2000->05.2002		250-25007	250-24432
	9K9A	44	AUD	Fr.Ch.No.3-501 801	05.2002->06.2003		250-25007	250-24495
75 1.6	9K9A	55	1F		11.1995->05.1997		250-24719	
	9K9A	55	AEE		06.1997->09.2000		250-24719	
CADDY II ESTATE								
1.4	9K9B	44	AEX	To Ch.No.W-502 300	11.1995->05.1997		250-24719	
	9K9B	44	AEX	Fr.Ch.No.W-502 301	05.1997->12.1997		250-24147	
	9K9B	44	AKV,APQ	To Ch.No.X-521 000	11.1997->10.1998		250-24147	
	9K9B	44	AKV,APQ	Fr.Ch.No.X-521 001	10.1998->06.2003		250-24558	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
CADDY II ESTATE (cont'd)								
1.4	9K9B	44	AUD	To Ch.No.1-518 700	10.2000->05.2002		250-25007	250-24432
	9K9B	44	AUD	Fr.Ch.No.1-518 701, To Ch.No.3-501 800	05.2002->06.2003		250-25007	250-24495
1.4 16V	9K9B	55	AUA	Fr.Ch.No.3-501 801	09.2000->06.2003			250-24576
1.6	9K9B	55	1F		11.1995->05.1997		250-24719	
	9K9B	55	AEE		06.1997->09.2000		250-24719	
CADDY II KOMBI								
1.4	9K9B	44	AUD	To Ch.No.1-518 700	09.2000->10.2000			250-24689
CADDY II PICKUP								
1.6	9U7	55	AEE		06.1996->12.2000		250-24066	
CADDY III BOX								
1.2 TSI	2KA, 2KH	63	CBZA, CBZB		09.2010->up		250-25092	
	2CA, 2CH	77	CBZA, CBZB		09.2010->up		250-25092	
1.4	2KA, 2KH	55	BCA		03.2004->05.2006		250-25007	250-24699
1.4 16V	2KA, 2KH	59	BUD		05.2006->up			250-24753
	2KA, 2KH	59	BUD		05.2006->up		250-24953	
	2CA, 2CH	59	BUD		05.2006->up		250-24953	
1.6	2KA, 2KH	75	BGU		04.2004->05.2005			250-24753
	2KA, 2KH	75	BSE, BSF		06.2005->up			250-24753
1.9 TDI	2KA, 2KH	77	BLS		06.2005->up			800-95004
2.0 EcoFuel	2KA, 2KH	80	BSX		04.2006->up			250-24672
	2CA, 2CH	80	BSX		04.2006->up			250-24672
CADDY III ESTATE								
1.4	2KB, 2KJ	55	BCA		03.2004->05.2006		250-25007	250-24699
1.4 16V	2KB, 2KJ	59	BUD		05.2006->up			250-24753
1.6	2KB, 2KJ	75	BGU		04.2004->05.2005			250-24753
	2KB, 2KJ	75	BSE, BSF		06.2005->up			250-24753
1.9 TDI	2KB, 2KJ	77	BLS		06.2005->up			800-95004
1.9 TDI 4motion	2KB, 2KJ	77	BLS		11.2008->up			800-95004
CADDY III KOMBI								
1.2 TSI	2KB, 2KJ	63	CBZA		09.2010->up		250-25092	
	2CB, 2CJ	63	CBZA		09.2010->up		250-25092	
	2KB, 2KJ	77	CBZB		09.2010->up		250-25092	
	2CB, 2CJ	77	CBZB		09.2010->up		250-25092	
1.4 16V	2KB, 2KJ	59	BUD		05.2006->up		250-24953	
2.0 EcoFuel	2KB, 2KJ	80	BSX		04.2006->up			250-24672
CORRADO								
1.8 16V	53I	100	KR		04.1989->07.1992		250-21000	
1.8 G60	53I	118	PG		09.1988->04.1989		250-23018	
	53I	118	PG		04.1989->07.1993		250-23023	
2.0i	53I	85	2E		04.1993->09.1994		250-24066	
	53I	85	ADY	To Ch.No.S-000 719	07.1994->09.1994		250-24066	
	53I	85	ADY		09.1994->07.1995		250-24307	
2.0i 16V	53I	100	9A		08.1991->07.1995		250-23023	
2.9 VR6	53I	140	ABV		08.1991->09.1994		250-24066	
	53I	140	ABV		09.1994->07.1995		250-24307	
	53I	140	ABV	w/o CAT.	08.1991->07.1995		250-24823	
EOS								
1.6 FSI	1F7	85	BLF		06.2006->up		250-25034	250-24699
2.0 FSI	1F7	110	BVY		03.2006->05.2008		250-25033	250-24717
	1F7	110	BVZ		03.2006->05.2008		250-25078	250-24717
2.0 TDI	1F7	103	BMM		06.2006->up			800-95004
2.0 TFSI	1F7	147	BWA		05.2006->up		250-25035	250-24699
3.2 V6	1F7	184	CBRA, BUB		06.2006->up	Left	250-25026	250-24954
	1F7	184	CBRA, BUB		06.2006->up	Right	250-25035	250-24699
EUROVAN V BUS								
3.2 V6	7HB, 7HJ	170	BDL	To Ch. 4-100 000	02.2004->06.2004	Left		250-24954
	7EB, 7EJ, 7EF	170	BDL	To Ch. 4-100 000	02.2004->06.2004	Left		250-24954
	7HB, 7HJ	173	BKK	To Ch. 4-100 000	02.2004->11.2009	Left		250-24954
	7EB, 7EJ, 7EF	173	BKK	To Ch. 4-100 000	02.2004->11.2009	Left		250-24954
FOX								
1.2	5Z1, 5Z3	40	BMD	To Ch.No.54-001 046	04.2005->up		250-24569	250-24966
	5Z1, 5Z3	40	BMD	Fr.Ch.No.54-001 047	04.2005->up		250-24941	250-24966
1.4	5Z1, 5Z3	55	BKR		04.2005->up		250-24941	250-24966
GOLF I CABRIOLET								
1.8	155	70	JH		08.1983->04.1993		250-21011	
	155	72	2H		08.1989->03.1993		250-23023	
	155	82	EV		08.1982->12.1989		250-23019	
	155	82	PB		08.1982->12.1989		250-23827	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
GOLF II								
1.3	19E, 1G1	40	MH		08.1985->06.1987		250-23018	
1.3 CAT	19E, 1G1	40	NZ	To Ch.No.L-990 000	08.1988->07.1990		250-23018	
	19E, 1G1	40	NZ	Fr.Ch.No.M-000 001	08.1990->07.1992		250-23822	
1.6	19E, 1G1	51	PN		10.1986->07.1992		250-21011	
	19E, 1G1	53	RF		08.1987->10.1991		250-21011	
	19E, 1G1	55	EZ		08.1983->07.1991		250-21011	
	19E, 1G1	55	EZA		08.1985->07.1987		250-21011	
1.8	19E, 1G1	66	GU		01.1990->10.1991		250-21011	
	19E, 1G1	66	GX		08.1987->07.1988		250-23048	
1.8 Syncro	19E, 1G1	66	GX		02.1986->07.1988		250-23048	
	19E, 1G1	72	1P		08.1988->07.1991		250-23018	
1.8 GTI	19E, 1G1	79	RD		08.1985->07.1987		250-23048	
	19E, 1G1	82	EV		01.1984->07.1987		250-23048	
	19E, 1G1	82	PB		01.1987->10.1991		250-23153	
1.8 GTI 16V	19E, 1G1	95	PL		02.1986->10.1991		250-23048	
	19E, 1G1	102	KR		02.1986->06.1990		250-23048	
1.8 GTI G60	19E, 1G1	118	PG	w/o CAT.	04.1990->07.1991		250-23023	
1.8 GTI G60 Syncro	19E, 1G1	118	1H		08.1988->12.1989		250-23018	
	19E, 1G1	118	PG		08.1988->07.1991		250-23822	
1.8 GTI CAT	19E, 1G1	79	PF		01.1987->10.1991		250-23018	
1.8i CAT	19E, 1G1	66	RP	w/o CAT.	08.1987->10.1991		250-23154	
1.8i Syncro CAT	19E, 1G1	66	RP	w/ CAT.	10.1987->10.1991		250-21011	
	19E, 1G1	66	RP	w/o CAT.	10.1987->10.1991		250-23019	
GOLF III								
1.4	1H1	40	ABD	To Ch.No.1H..S..120 000,w/ CAT.	11.1991->12.1994		250-24066	
	1H1	40	ABD	To Ch.No.1H..S..120 000,w/o CAT.	11.1991->12.1994		250-24823	
	1H1	40	ABD	Fr.Ch.No.1H..S..120 001,w/ CAT.	01.1995->07.1995		250-24719	
	1H1	40	ABD	Fr.Ch.No.1H..S..120 001,w/o CAT.	01.1995->07.1995		250-24147	
	1H1	40	AEX		07.1995->08.1997		250-24417	
	1H1	44	ABD	To Ch.No.S..120 000,w/ CAT.	11.1991->08.1997		250-24066	
	1H1	44	ABD	To Ch.No.S..120 000,w/o CAT.	11.1991->08.1997		250-24823	
	1H1	44	ABD	Fr.Ch.No.S..120 001,w/ CAT.	10.1991->06.1995		250-24719	
	1H1	44	ABD	Fr.Ch.No.S..120 001,w/o CAT.	10.1991->06.1995		250-24147	
	1H1	44	AEX		08.1995->08.1997		250-24417	
1.6	1H1	55	ABU		09.1992->09.1994		250-24066	
	1H1	55	AEA,AEE		10.1994->08.1997		250-24719	
	1H1	74	AEK		07.1995->12.1995		250-24594	
	1H1	74	AFT		12.1995->05.1996		250-24194	
	1H1	74	AFT		05.1996->08.1997		250-24594	
	1H1	74	AKS		05.1997->08.1997		250-24594	
1.8	1H1	55	AAM	To Ch.No.S..120 000,w/ CAT.	11.1991->08.1997		250-21037	
	1H1	55	AAM	To Ch.No.S..120 000,w/o CAT.	11.1991->08.1997		250-23023	
	1H1	55	AAM	Fr.Ch.No. S-120 001	11.1991->06.1995		250-24719	
	1H1	66	ABS	To Ch.No.S..120 000,w/ CAT.	11.1991->08.1997		250-21037	
	1H1	66	ABS	To Ch.No.S..120 000,w/o CAT.	11.1991->08.1997		250-23023	
	1H1	66	ABS	Fr.Ch.No. S-120 001	11.1991->06.1995		250-24719	
	1H1	66	ADZ		10.1994->08.1997		250-24719	
1.8 Syncro	1H1	66	ABS		01.1993->09.1994		250-21037	
	1H1	66	ADZ		10.1994->08.1997		250-24719	
2.0	1H1	85	2E	To Ch.No.S..120 000,w/ CAT.	11.1991->09.1994		250-24066	
	1H1	85	2E	To Ch.No.S..120 000,w/o CAT.	11.1991->08.1997		250-24823	
	1H1	85	ADY,AGG	w/ CAT.	10.1994->08.1997		250-24194	
	1H1	85	ADY,AGG	w/o CAT.	10.1994->08.1997		250-24594	
	1H1	85	AKR		05.1994->08.1997		250-24194	
2.0 Syncro	1H1	85	AGG		08.1995->08.1997		250-24194	
2.0 GL	1H1	79	AEP		08.1995->09.1997		250-24594	
2.0 GTI 16V	1H1	110	ABF	To Ch.No.S-120 000	08.1992->08.1997		250-24823	
	1H1	110	ABF	Fr.Ch.No.S-120 001	08.1992->08.1997		250-24307	
2.8 VR6	1H1	128	AAA	To Ch.No.S..120 000,w/ CAT.	01.1992->07.1994		250-24066	
	1H1	128	AAA	To Ch.No.S..120 000,w/o CAT.	01.1992->08.1997		250-24823	
	1H1	128	AAA	Fr.Ch.No.S-120 001,To Ch.No.S-990 000	07.1994->07.1995		250-24194	
	1H1	128	AAA	w/o CAT.	07.1994->08.1997		250-24594	
	1H1	128	AAA		07.1995->08.1997		250-24147	
2.9 VR6 Syncro	1H1	140	ABV	Fr.Ch.No.S-120 001,To Ch.No.S-990 000	10.1994->07.1995		250-24194	
	1H1	140	ABV	Fr.Ch.No.T-000 001	07.1995->08.1997		250-24417	
GOLF III CABRIOLET								
1.6	1.00E+7	74	AEK		10.1994->12.1995		250-24594	
	1.00E+7	74	AFT,AKS		02.1996->02.1998		250-24594	
1.8	1.00E+7	55	AAM		09.1993->10.1994		250-21037	
	1.00E+7	55	AAM		09.1993->12.1997		250-24719	
	1.00E+7	66	ABS	A/T	09.1993->07.1995		250-23023	
	1.00E+7	66	ABS	M/T	09.1993->07.1994		250-21037	
	1.00E+7	66	ABS,ADZ		09.1993->02.1998		250-24719	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic	
VOLKSWAGEN (cont'd)									
GOLF III CABRIOLET (cont'd)									
2.0	1.00E+7	85	2E		09.1993->09.1994		250-24066		
	1.00E+7	85	ADY,AGG,AKR		10.1994->02.1998		250-24194		
GOLF III VARIANT									
1.4	1H5	40	ABD	To Ch.No.1H..S..120 000,w/ CAT.	07.1993->09.1994		250-24066		
	1H5	40	ABD	To Ch.No.1H..S..120 000,w/o CAT.	07.1993->09.1994		250-24823		
	1H5	40	ABD	Fr.Ch.No.1H..S..120 001,w/ CAT.	10.1994->07.1995		250-24719		
	1H5	40	ABD	Fr.Ch.No.1H..S..120 001,w/o CAT.	10.1994->07.1995		250-24147		
	1H5	44	ABD	To Ch.No.S..120 000,w/ CAT.	07.1993->09.1994		250-24066		
	1H5	44	ABD	To Ch.No.S..120 000,w/o CAT.	07.1993->07.1994		250-24823		
	1H5	44	ABD	Fr.Ch.No.S..120 001,w/ CAT.	09.1994->07.1995		250-24719		
	1H5	44	ABD	Fr.Ch.No.S..120 001,w/o CAT.	09.1994->07.1995		250-24147		
	1H5	44	AEX		07.1995->05.1996		250-24417		
	1H5	44	AEX		05.1996->11.1997		250-24719		
	1H5	44	APQ	w/o CAT.	12.1997->05.1998		250-24147		
	1H5	44	APQ		12.1997->05.1998		250-24719		
	1.6	1H5	74	AEK		10.1994->12.1995		250-24594	
		1H5	74	AFT		01.1996->05.1996		250-24194	
1H5		74	AFT,AKS		05.1996->02.1999		250-24594		
1.8	1H5	55	AAM	w/o CAT.	07.1993->09.1994		250-23023		
	1H5	55	AAM	A/T	07.1993->09.1994		250-23023		
	1H5	55	AAM	M/T	07.1993->09.1994		250-21037		
	1H5	55	AAM		09.1994->02.1999		250-24719		
	1H5	66	ABS	A/T	07.1993->09.1994		250-23023		
	1H5	66	ABS	M/T	07.1993->09.1994		250-21037		
	1H5	66	ABS		09.1994->up		250-24719		
	1H5	66	ADZ,ANP	Fr.Ch.No.S-120 001	10.1994->02.1999		250-24719		
1.8 Syncro	1H5	66	ADZ		10.1994->04.1999		250-24719		
2.0	1H5	85	2E		07.1993->09.1994		250-24066		
	1H5	85	2E	w/o CAT.	07.1993->09.1994		250-24823		
	1H5	85	ADY,AGG	w/o CAT.	10.1994->02.1999		250-24594		
	1H5	85	ADY,AGG,AKR		10.1994->02.1999		250-24194		
2.0 Syncro	1H5	85	AGG		08.1995->04.1999		250-24194		
2.9 VR6 Syncro	1H5	140	ABV	To Ch.No.S-990 000	07.1995->07.1995		250-24194		
	1H5	140	ABV	Fr.Ch.No.T-000 001	07.1995->04.1999		250-24417		
GOLF IV									
1.4 16V	1J1	55	AHW,AKQ		10.1997->05.2004		250-24558		
	1J1	55	APE,AXP,BCA		05.1999->05.2004		250-25003	250-24432	
1.6	1J1	74	AEH,AKL	To Ch. No X-132000	08.1997->02.2000		250-24560		
	1J1	74	AEH,AKL	Fr. Ch. No X-132001	08.1997->02.2000		250-24843		
	1J1	74	APF		05.1999->02.2000		250-25004	250-24432	
	1J1	75	AVU		09.2000->04.2002		250-25004	250-24432	
1.6 16V	1J1	75	BFQ		05.2002->05.2004		250-25004	250-24432	
1.6 16V	1J1	77	ATN,AUS,AZD,BCB		02.2000->05.2004		250-25004	250-24940	
1.6 FSI	1J1	81	BAD		01.2002->05.2004		250-25007		
1.8	1J1	92	AGN		10.1997->10.2000		250-24558		
	1J1	110	AGU		10.1997->05.2004		250-24558		
	1J1	110	ARZ		05.1999->09.2000		250-24734	250-24432	
1.8 T	1J1	110	AUM		09.2000->05.2004		250-25003	250-24734	
	1J1	110	AUM		09.2000->05.2004		250-25003	250-24734	
1.8 T GTI	1J1	132	AUQ		05.2002->05.2004		250-25003	250-24734	
2.0	1J1	85	APK,AQY		08.1998->05.2004		250-24734	250-24495	
	1J1	85	AZG		05.2001->04.2002		250-25004	250-24495	
	1J1	85	AZJ		05.2001->05.2004		250-25004	250-24495	
	1J1	85	BEH		05.2002->05.2003		250-25004	250-24495	
2.0 4motion	1J1	85	AZH		10.2000->06.2001		250-25004	250-24432	
	1J1	85	AZJ		05.2001->06.2005		250-25004	250-24697	
2.3 V5	1J1	110	AGZ		10.1997->10.2000		250-24558		
	1J1	125	AQN		10.2000->04.2001		250-25003	250-24734	
2.3 V5	1J1	125	ACN		10.2000->05.2004		250-25003	250-24170	
2.3 V5 4motion	1J1	125	AQN		10.2000->04.2001	Left	250-25008	250-24493	
	1J1	125	AQN		10.2000->04.2001	Right	250-25008	250-24263	
	1J1	125	AQN		05.2001->06.2005	Left	250-25008	250-24493	
	1J1	125	AQN		05.2001->06.2005	Right	250-25004	250-24263	
	1J1	150	AQP		05.1999->05.2000	Left	250-25008	250-24493	
	1J1	150	AQP		05.1999->05.2000	Right	250-25008	250-24263	
	1J1	150	AUE		01.2000->04.2001	Left	250-25008	250-24493	
	1J1	150	AUE		01.2000->04.2001	Right	250-25008	250-24263	
	1J1	150	BDE		05.2001->04.2002	Left	250-25008	250-24493	
	1J1	150	BDE		05.2001->04.2002	Right	250-25004	250-24263	
3.2 R32 4motion	1J1	177	BFH		09.2002->05.2004	Left	250-25008	250-24493	
	1J1	177	BFH		09.2002->05.2004	Right	250-25080	250-24263	
	1J1	177	BML		09.2002->05.2004	Left	250-25008	250-24493	
	1J1	177	BML		09.2002->05.2004	Right	250-25003	250-24263	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
GOLF IV CABRIOLET								
1.6	1.00E+7	74	AFT,AKS		06.1998->10.2000		250-24594	
1.8	1.00E+7	55	AAM,ANN		06.1998->10.2000		250-24719	
	1.00E+7	66	ADZ,ANP		06.1998->10.2000		250-24719	
2	1.00E+7	85	AGG,AKR		06.1998->12.2001		250-24194	
	1.00E+7	85	ATU		06.1999->06.2000		250-24843	250-24843
	1.00E+7	85	AWF,AWG		06.2000->06.2002		250-24843	250-24843
GOLF IV VARIANT								
1.4 16V	1J5	55	AHW,AKQ		05.1999->06.2006		250-24558	
	1J5	55	APE		05.1999->05.2000		250-25003	250-24431
	1J5	55	AXP		05.2000->04.2001		250-25003	250-24431
	1J5	55	AXP		05.2001->10.2001		250-25003	250-24432
	1J5	55	BCA		10.2001->06.2006		250-25003	250-24432
1.6	1J5	74	AEH,AKL	To Ch. No X-132000	05.1999->02.2000		250-24560	
	1J5	74	AEH,AKL	Fr. Ch. No X-132001	05.1999->02.2000		250-24843	
	1J5	74	APF		05.1999->02.2000		250-25004	250-24432
	1J5	75	AVU		09.2000->04.2002		250-25004	250-24432
	1J5	75	BFO		05.2002->06.2006		250-25004	250-24432
1.6 16V	1J5	77	ATN,AUS,AZD,BCB		02.2000->06.2006		250-25004	250-24940
1.6 FSI	1J5	81	BAD		01.2002->06.2006		250-25007	
1.8 T	1J5	110	AGU		05.2000->05.2006		250-24558	
	1J5	110	ARZ		05.2000->09.2000		250-24734	250-24432
	1J5	110	AUM		09.2000->05.2006		250-25003	250-24734
2.0	1J5	85	APK,AQY		05.1999->06.2006		250-24734	250-24495
	1J5	85	AZJ		05.2001->06.2006		250-25004	250-24495
2.0 4motion	1J5	85	AZH		10.2000->06.2001		250-25004	250-24432
	1J5	85	AZJ		05.2001->06.2005		250-25004	250-24697
2.0 Bi-Fuel	1J5	85	BEH		05.2002->06.2006		250-25004	250-24495
2.3 V5	1J5	110	AGZ		05.1999->02.2001		250-24558	
	1J5	125	AQN		10.2000->04.2001		250-25003	250-24734
	1J5	125	AQN		05.2001->05.2006		250-25003	250-24170
2.3 V5 4motion	1J5	125	AQN		10.2000->04.2001	Left	250-25008	250-24493
	1J5	125	AQN		10.2000->04.2001	Right	250-25008	250-24263
	1J5	125	AQN		05.2001->06.2005	Left	250-25008	250-24493
	1J5	125	AQN		05.2001->06.2005	Right	250-25004	250-24263
2.8 V6 4motion	1J5	150	AQP		05.1999->05.2000	Left	250-25008	250-24493
	1J5	150	AQP		05.1999->05.2000	Right	250-25008	250-24263
	1J5	150	AUE		05.2000->04.2001	Left	250-25008	250-24493
	1J5	150	AUE		05.2000->04.2001	Right	250-25008	250-24263
	1J5	150	BDE		05.2001->06.2005	Left	250-25008	250-24493
	1J5	150	BDE		05.2001->06.2005	Right	250-25004	250-24263
GOLF V								
1.4 16V	1K1	55	BCA		10.2003->05.2006		250-25007	250-24699
	1K1	59	BUD		05.2006->up		250-24953	250-24753
1.4 FSI	1K1	66	BKG		10.2003->05.2004		250-25002	
	1K1	66	BKG		05.2004->12.2004		250-25034	
	1K1	66	BLN		11.2004->05.2006		250-25034	
	1K1	103	BMY		05.2006->11.2008		250-24953	
	1K1	125	BLG		11.2005->11.2008		250-24954	250-24955
1.6	1K1	75	BGU		01.2004->06.2005		250-25061	250-24753
	1K1	75	BSE,BSF		06.2005->up		250-25061	250-24753
1.6 FSI	1K1	85	BAG		10.2003->05.2004		250-25002	
	1K1	85	BAG		05.2004->07.2004		250-25034	
	1K1	85	BAG		10.2003->07.2004		250-25007	
	1K1	85	BLF		01.2005->05.2008		250-25034	250-24699
	1K1	85	BLP		05.2004->02.2005		250-25034	
1.9 TDI	1K1	77	BLS		05.2005->07.2008			800-95004
	1K1	77	BLS		08.2005->07.2008			800-95004
2.0 FSI	1K1	110	AXW		01.2004->07.2004	Left	250-25077	250-24717
	1K1	110	AXW		01.2004->07.2004	Right	250-25033	250-24717
	1K1	110	BLR		01.2005->11.2005	Left	250-25077	250-24717
	1K1	110	BLR		01.2005->11.2005	Right	250-25033	250-24717
	1K1	110	BLX		05.2004->11.2005	Left	250-25077	250-24717
	1K1	110	BLX		05.2004->11.2005	Right	250-25033	250-24717
	1K1	110	BLY		05.2004->11.2005		250-25078	250-24717
	1K1	110	BVX		11.2005->11.2008	Left	250-25077	250-24717
	1K1	110	BVX		11.2005->11.2008	Right	250-25033	250-24717
	1K1	110	BVY		11.2005->up	Left	250-25077	250-24717
	1K1	110	BVY		11.2005->up	Right	250-25033	250-24717
2.0 FSI	1K1	110	BVZ		11.2005->11.2008		250-25078	250-24717
2.0 FSI 4motion	1K1	110	BLX		06.2005->11.2005	Left	250-25077	250-24717
	1K1	110	BLX		06.2005->11.2005	Right	250-25033	250-24717
	1K1	110	BVX		11.2005->05.2007	Left	250-25077	250-24717
	1K1	110	BVX		11.2005->05.2007	Right	250-25033	250-24717



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
GOLF V (cont'd)								
2.0 GTI	1K1	147	AXX,BWA		10.2004->up		250-25035	250-24699
	1K1	169	BYD		09.2006->up		250-25035	250-24699
2.0 TDI	1K1	103	BMM		12.2004->up			800-95004
	1K1	125	BVB		05.2006->up			800-95004
3.2 R32 4motion	1K1	184	BUB		11.2005->up	Left	250-25026	250-24699
	1K1	184	BUB		11.2005->up	Right	250-25035	250-24495
GOLF V VARIANT								
1.4 TSI	1K5	103	BMV		06.2007->05.2008		250-24953	
	1K5	125	BLG		06.2007->05.2008		250-24953	
1.6	1K5	75	BSE,BSF		06.2007->11.2008		250-25061	250-24753
1.9 TDI	1K5	77	BLS		06.2007->up			800-95004
1.9 TDI 4motion	1K5	77	BLS		01.2008->up			800-95004
2.0	1K5	147	BWA		06.2007->up		250-25035	250-24699
2.0 TDI	1K5	100	BVB		06.2007->11.2008			800-95004
	1K5	103	BMM		06.2007->up			800-95004
GOLF VI								
1.2 TSI	5K1	63	CBZA		05.2010->11.2012		250-25092	
	5K1	77	CBZB		05.2009->11.2012		250-25092	
1.4	5K1	59	CGG		10.2008->up		250-24953	250-24753
1.4 TSI	5K1	90	CAX		10.2008->up		250-25040	250-24672
	5K1	118	CAV		10.2008->up		250-25040	250-24955
1.6	5K1	75	BSE,BSF,CCS,CHG		10.2008->up		250-25061	250-24753
2.0 TDI	5K1	81	CBD,F		10.2008->up			800-95004
	5K1	103	CBA,F		10.2008->up			800-95004
GOLF PLUS								
1.4 16V	5M1, 521	55	BCA		01.2005->05.2006		250-25007	250-24699
	5M1, 521	59	BUD		05.2006->up		250-24953	250-24753
1.4 FSI	5M1, 521	66	BLN		07.2005->05.2006		250-25034	
	5M1, 521	103	BMV		05.2006->06.2008		250-24953	
	5M1, 521	118	CAV	A/T	06.2008->up		250-25040	250-24672
	5M1, 521	118	CAV	M/T	06.2008->up		250-25040	250-24955
	5M1, 521	125	BLG		05.2006->06.2008		250-24953	
1.4 TSI	5M1, 521	103	BMV	M/T	05.2006->06.2008			250-24994
	5M1, 521	118	CAV	M/T	06.2008->up			250-24955
	5M1, 521	125	BLG	M/T	05.2006->06.2008			250-24994
1.6	5M1, 521	75	BSE,BSF,CCS		05.2005->up		250-25061	250-24753
1.6 FSI	5M1, 521	85	BLF		01.2005->up		250-25034	250-24699
1.9 TDI	5M1, 521	66	BXJ,BXF		11.2007->up			800-95004
	5M1, 521	77	BLS		06.2005->01.2009			800-95004
2.0 FSI	5M1, 521	110	BLR		05.2005->11.2005	Left	250-25077	250-24717
	5M1, 521	110	BLR		05.2005->11.2005	Right	250-25033	250-24717
	5M1, 521	110	BLY		05.2005->11.2005		250-25078	250-24717
	5M1, 521	110	BVY		11.2005->06.2008	Left	250-25077	250-24717
	5M1, 521	110	BVY		11.2005->06.2008	Right	250-25033	250-24717
	5M1, 521	110	BVZ		11.2005->06.2008		250-25078	250-24717
2.0 TDI	5M1, 521	103	BMM		12.2005->up			800-95004
JETTA II								
1.3	19E, 1G2	40	MH		08.1985->06.1987		250-23018	
	19E, 1G2	40	NZ		02.1987->06.1987		250-23018	
	19E, 1G2	43	MH		08.1985->10.1986		250-23018	
1.3 CAT	19E, 1G2	40	NZ		08.1987->07.1990		250-23018	
	19E, 1G2	40	NZ		08.1990->12.1991		250-23822	
1.6	19E, 1G2	51	PN		10.1986->10.1991		250-21011	
	19E, 1G2	53	RF		03.1986->10.1991		250-21011	
	19E, 1G2	55	EZ		01.1984->07.1991		250-21011	
1.8	19E, 1G2	66	GU		08.1984->10.1991		250-21011	
	19E, 1G2	66	GX		08.1984->07.1987		250-23048	
	19E, 1G2	79	PF		01.1987->07.1987		250-23018	
	19E, 1G2	79	RD		08.1985->07.1987		250-23048	
1.8	19E, 1G2	82	EV		01.1984->07.1988		250-23048	
1.8 CAT	19E, 1G2	66	GX		08.1987->07.1988		250-23048	
	19E, 1G2	66	RP		08.1987->10.1991		250-23154	
	19E, 1G2	79	PF		01.1987->10.1991		250-23018	
1.8 Syncro	19E, 1G2	66	GX		08.1987->07.1988		250-23048	
	19E, 1G2	72	1P		08.1988->07.1991		250-23018	
1.8 16V	19E, 1G2	95	PL		08.1986->10.1991		250-23048	
	19E, 1G2	102	KR		06.1987->12.1989		250-23048	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
JETTA III								
1.4 TSI	1K2	103	BMV		07.2006->06.2008		250-24953	
	1K2	125	BLG		07.2006->06.2008		250-24953	
	1K2	125	CAV	A/T	07.2008->10.2010		250-25040	250-24672
	1K2	125	CAV	M/T	07.2008->10.2010		250-25040	250-24955
1.6	1K2	75	CCSA,BSF,BSE		10.2005->up		250-25061	250-24753
1.6 FSI	1K2	85	BLF		09.2005->up		250-25034	
1.9 TDI	1K2	77	BLS		08.2005->07.2008			800-95004
	1K2	77	BLS		08.2008->up			800-95007
2.0 FSI	1K2	110	BLR		08.2005->11.2005	Left	250-25077	250-24717
	1K2	110	BLR		08.2005->11.2005	Right	250-25033	250-24717
	1K2	110	BLY		08.2005->11.2005		250-25078	250-24717
	1K2	110	BVY		12.2005->06.2008	Left	250-25077	250-24717
	1K2	110	BVY		12.2005->06.2008	Right	250-25033	250-24717
	1K2	110	BVZ		12.2005->06.2008		250-25078	250-24717
2.0 TDI	1K2	103	CBD,F		07.2008->up			800-95004
	1K2	125	CEG,F		07.2008->up			800-95004
2.0 TFSI	1K2	147	BWA,BPY,CCTA		10.2005->up		250-25035	250-24699
	1K2	147	BWA,BPY,CCTA		10.2005->up		250-24699	
2.5 FSI	1K2	110	BTK		09.2006->06.2007			250-24692
JETTA IV								
1.6 16V	1J2	77	ATN, AUS, AZD, BCB	M/T	05.2000->05.2005			250-24940
JETTA IV ESTATE								
1.6 16V	1J5	77	ATN, AUS, AZD, BCB	M/T	02.2000->06.2006			250-24940
	1J6	77	ATN, AUS, AZD, BCB	M/T	02.2000->05.2005			250-24940
JETTA V III								
1.4 TSI	1K2	103	BMV	M/T	07.2006->10.2010			250-24994
	1K2	125	BLG	M/T	07.2006->10.2010			250-24994
	1K2	90	CAXA		05.2007->10.2010		250-241054	250-24994
1.6 FSI	1K2	85	BLF		09.2005->10.2010			250-24994
2.0 FSI	1K2	110	BLY, BVZ		08.2005->10.2010		250-25078	
	1K2	110	BVY, BLR		08.2005->10.2010	Left	250-25077	
2.0 TDI	1K2	125	BMN		10.2006->10.2010			250-25065
JETTA VI IV								
1.2 TSI	162	77	CBZB		02.2011->up		250-25092	
KAEFER								
1600i		34	ACD		10.1992->09.1995		250-23153	
		34	ACD		10.1995->07.2003		250-24066	
LT 28-35 I								
2.4i Box/Bus	281-363	69	1E		03.1994->04.1996		250-23018	
2.4i Flatbed/Chassis	281-363	69	1E		03.1994->04.1996		250-23018	
LT 40-55 I								
2.4i Box/Bus	291-512	69	1E		01.1993->06.1996		250-23018	
2.4i Flatbed/Chassis	293-909	70	1E		10.1988->07.1989		250-23018	
	293-909	69	1E		03.1994->06.1996		250-23018	
LUPO								
1.0	6X1, 6E1	37	AER		01.1999->05.2000		250-24560	
	6X1, 6E1	37	AHT,ALL		10.1998->05.2000		250-24558	
	6X1, 6E1	37	ALD		05.1999->07.2005		250-24432	
	6X1, 6E1	37	ANV		05.1999->07.2005		250-25007	250-24697
	6X1, 6E1	37	AUC		05.2004->07.2005		250-25007	250-24689
	6X1, 6E1	37	AUC		05.2004->07.2005		250-25007	250-24689
1.4	6X1, 6E1	44	AUD		10.2000->05.2002		250-24697	250-24697
	6X1, 6E1	44	AUD		05.2002->07.2005		250-24689	250-24689
1.4 16V	6X1, 6E1	55	AHW	A/T	01.1999->07.2005		250-24264	
	6X1, 6E1	55	AHW	M/T	01.1999->07.2005		250-24558	
	6X1, 6E1	55	AKQ		10.1998->05.1999		250-24558	
	6X1, 6E1	55	APE,AUA	A/T	05.1999->09.2000			250-24400
	6X1, 6E1	55	APE,AUA	M/T	05.1999->04.2002			250-24574
	6X1, 6E1	55	BBY		04.2002->07.2005			250-24919
	6X1, 6E1	74	AFK		08.1999->10.2000		250-24558	
	6X1, 6E1	74	AQQ		08.1999->05.2000			250-24574
	6X1, 6E1	74	AUB		05.2000->06.2003			250-24574
	1.4 FSI	6X1, 6E1	77	ARR		02.2001->11.2003		250-25007
1.6 GTI	6X1, 6E1	92	AVY		09.2000->07.2005		250-25007	250-24495
MULTIVAN T5								
1.9 TDI	7HM, 7HF, 7HN	75	BRS		06.2006->up			800-95007
	7EF, 7EM, 7EN	75	BRS		06.2006->11.2009			800-95007
2.0	7HM, 7HF	85	AXA		11.2003->up		250-25007	250-24717
2.5 TDI	7HM, 7HF	96	BNZ		06.2006->up			800-95001
	7HM, 7HF	128	BPC		06.2006->up			800-95001



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic	
VOLKSWAGEN (cont'd)									
MULTIVAN T5 (cont'd)									
2.5 TDI 4motion	7HM, 7HF	96	BNZ		06.2006->up			800-95001	
	7HM, 7HF	128	BPC		06.2006->up			800-95001	
3.2 V6	7HM, 7HF	170	BDL		04.2004->06.2004	Left		250-24954	
	7HM, 7HF	170	BDL		02.2004->06.2004	Right		250-24717	
	7HM, 7HF	173	CFLA		02.2004->up	Left		250-24672	
	7HM, 7HF	173	CFLA		02.2004->up	Right		250-24717	
3.2 V6 4motion	7HM, 7HF	173	BKK		07.2004->up	Left		250-24954	
	7HM, 7HF	173	BKK		07.2004->up	Right		250-24717	
NEW BEETLE									
1.2TSI	5C1	77	CBZB		07.2011->up		250-25092		
1.4	9C1, 1C1	55	BCA		11.2001->up		250-25004	250-24432	
1.6	9C1, 1C1	74	AWH		11.1999->09.2000		250-25004	250-24432	
	9C1, 1C1	75	AYD		06.2000->06.2005		250-25004	250-24432	
1.8 T	9C1, 1C1	75	BFS		06.2002->up		250-25004	250-24432	
	9C1, 1C1	110	APH		10.1999->06.2000		250-25003	250-24431	
1.8 T	9C1, 1C1	110	AVC		10.1999->10.2000		250-25003	250-24431	
	9C1, 1C1	110	AWU		10.2000->06.2005		250-25003	250-24494	
	9C1, 1C1	110	AWU		07.2005->up		250-25003	250-24734	
	9C1, 1C1	110	AWV		06.2000->06.2004		250-25003	250-24494	
	9C1, 1C1	110	BKF		07.2004->06.2005		250-25033	250-24431	
	9C1, 1C1	110	BKF		07.2004->06.2005	Center	250-24495		
	9C1, 1C1	132	AWP,BNU		11.2001->06.2005		250-25003	250-24494	
	1.9 TDI	9C1, 1C1	74	ATD		06.2001->06.2005		250-25036	800-95005
	2.0	9C1, 1C1	74	BEW		07.2005->up		250-25036	800-95005
		9C1, 1C1	85	AEG		03.1999->05.2001		250-24734	250-24495
2.0	9C1, 1C1	85	AEG		01.1998->03.1999		250-24734	250-24431	
	9C1, 1C1	85	APK		03.2000->06.2005		250-24734	250-24495	
	9C1, 1C1	85	AQY		11.1998->06.2005		250-24734	250-24495	
	9C1, 1C1	85	AZJ,BEJ		06.2001->up		250-25004	250-24495	
	9C1, 1C1	85	BER,BHP		01.2003->up		250-24843	250-24495	
2.3 V5	9C1, 1C1	125	AQN		06.2001->06.2005		250-25003	250-24170	
	9C1, 1C1	125	AQN		10.2000->05.2001		250-25003	250-24494	
RSI 3.2	9C1, 1C1	165	AXJ		10.2000->05.2001		250-25008	250-24493	
	9C1, 1C1	165	AXJ		10.2000->05.2001		250-25008	250-24263	
NEW BEETLE CABRIOLET									
1.4	1Y7	55	BCA		01.2003->up		250-25004	250-24432	
1.6	1Y7	75	BFS		01.2003->up		250-25004	250-24432	
1.8 T	1Y7	110	AWV,AWU,BKF		01.2003->06.2005		250-25003	250-24494	
	1Y7	110	AWV,AWU,BKF		07.2005->up		250-25003	250-24734	
2.0	1Y7	85	AZJ,BEV		09.2002->up		250-25004	250-24495	
2.5	1Y7	110	BPR		07.2005->up		250-25033	250-24495	
	1Y7	110	BPR		07.2005->up	Center	250-24495		
	1Y7	110	BPS		07.2005->up		250-25033	250-24495	
PASSAT									
1.4 TSI	3C2	90	CAXA		05.2007->07.2010		250-241054		
1.6	3C2	75	BSE & BSF		05.2005->07.2010		250-25092		
	32B	51	PP		08.1987->03.1988		250-21011		
	3A2, 35I	53	1F		08.1988->07.1991		250-21011		
	3A2, 35I	74	AEK,AFT		10.1994->08.1996		250-24594		
	3B2	74	ADP		01.1997->10.1997		250-24555		
	3B2	74	AHL		10.1996->08.1998		250-24555		
	3B2	74	ANA		10.1996->11.2000		250-241057	250-241051	
	3B2	74	ANA		07.1999->08.2000		250-24577	250-24569	
	3B2	74	ARM		01.1999->08.2000		250-24555		
	3B3	75	ALZ		11.2000->05.2005		250-241057	250-241051	
	3B3	75	ALZ		11.2000->05.2005		250-24577	250-24569	
	1.6 FSI	3C2	85	BLF		03.2005->05.2007		250-25034	250-24672
	1.8	32B	66	JN		08.1984->03.1988		250-21011	
		3A2, 35I	55	AAM	To Ch. No. M-400000	08.1990->07.1991		250-21011	
		3A2, 35I	55	AAM	Fr. Ch. No. N-000001	08.1991->08.1996		250-21037	
3A2, 35I		55	AAM	Fr. Ch. No. S-075001	08.1990->08.1996		250-24719		
3A2, 35I		66	ABS	A/T	08.1990->09.1994		250-23023		
3A2, 35I		66	ABS	M/T	08.1990->09.1994		250-21037		
3A2, 35I		66	ADZ		10.1994->08.1996		250-24719		
3A2, 35I		66	RP	w/ CAT, A/T	08.1988->07.1990		250-23023		
3A2, 35I		66	RP	w/ CAT, M/T	04.1988->09.1991		250-21011		
3A2, 35I		66	RP	w/o CAT	04.1988->09.1991		250-23154		
3A2, 35I		79	PF		04.1988->07.1990		250-23018		
3A2, 35I		82	PB		04.1988->07.1990		250-23018		
3B2		85	AFY		01.1997->12.1998		250-24555		
3B2		85	AFY		12.1998->04.2000		250-24843		
3B2		92	ADR		12.1996->12.1998		250-24555		
3B2	92	ADR		12.1998->01.1999		250-24843			



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
PASSAT (cont'd)								
1.8	3B2	92	APT,ARG		01.1999->08.2000		250-24843	
1.8 Syncro/4motion	3B2	92	ADR,APT,ARG		06.1997->08.2000		250-24843	
1.8 16V	3A2, 35I	100	KR		04.1988->12.1989		250-23048	
1.8 G60 Syncro	3A2, 35I	118	PG		09.1989->10.1993		250-23822	
1.8 T	3B2	110	AEB	To Ch. No. X-360000	10.1996->12.1998		250-24146	
	3B2	110	AEB	Fr. Ch. No. X-360001	12.1998->up		250-24843	
	3B2	110	ANB,APU		01.1999->08.2000		250-24843	250-24432
	3B3	125	AWM		02.2001->05.2005		250-25004	250-24432
1.8 T 20V	3B3	110	AWT		11.2000->05.2005		250-25004	250-24432
1.8 TSI	3C2	118	BZB		05.2007->up		250-24717	
1.9 TDI	3C2	77	BLS		03.2005->up			800-95004
2.0	3A2, 35I	79	ADY	w/ CAT	03.1995->07.1995		250-24194	
	3A2, 35I	79	ADY	w/o CAT	03.1995->07.1995		250-24594	
2.0	3A2, 35I	79	AEP	w/ CAT	03.1995->08.1996		250-24194	
	3A2, 35I	79	AEP	w/o CAT	03.1995->08.1996		250-24594	
	3A2, 35I	85	2E	w/ CAT	02.1990->09.1994		250-23023	
	3A2, 35I	85	2E	w/o CAT	10.1993->09.1994		250-24823	
	3A2, 35I	85	ACX		06.1993->10.1993		250-23023	
	3A2, 35I	85	ADY	w/ CAT	10.1994->07.1995		250-24194	
	3A2, 35I	85	ADY	w/o CAT	10.1994->08.1996		250-24594	
	3B2	88	ASU		04.2000->11.2000		250-24577	250-24431
	3B3	85	AZM		11.2000->05.2005		250-241057	250-241051
	3B3	96	ALT		11.2001->05.2005		250-25004	250-24432
2.0 4motion	3B2	88	ASU		04.2000->11.2000		250-24577	250-24431
	3B3	85	AZM		11.2000->05.2005		250-241057	250-241051
2.0 Syncro	3A2, 35I	85	2E		10.1990->10.1993		250-23822	
2.0 16V	3A2, 35I	100	9A		08.1988->07.1990		250-23048	
	3A2, 35I	100	9A		08.1990->09.1993		250-23023	
	3A2, 35I	110	ABF	To Ch. No. S-750000	01.1994->09.1994		250-24066	
	3A2, 35I	110	ABF	Fr. Ch. No. S-750001	01.1994->08.1996		250-24307	
2.0 FSI	3C2	110	BLR		03.2005->11.2005	Left	250-25077	250-24717
	3C2	110	BLR		03.2005->11.2005	Right	250-25033	250-24717
	3C2	110	BVY		11.2005->05.2007	Left	250-25077	250-24717
	3C2	110	BVY		11.2005->05.2007	Right	250-25033	250-24717
	3C2	147	AXX		07.2005->11.2005		250-24955	250-24955
	3C2	147	BWA		11.2005->12.2007		250-24955	250-24955
	3C2	110	BLX		09.2005->11.2005	Left	250-25077	250-24717
2.0 FSI 4motion	3C2	110	BLX		09.2005->11.2005	Right	250-25033	250-24717
	3C2	110	BVX		11.2005->05.2007	Left	250-25077	250-24717
	3C2	110	BVX		11.2005->05.2007	Right	250-25033	250-24717
2.0 TDI	3B3	100	BGW,BHW		12.2003->05.2005			800-95005
	3C2	90	BVD		08.2005->05.2006			800-95004
	3C2	100	CBA,F		01.2008->up			800-95004
	3C2	103	BMP		03.2005->up			800-95004
	3C2	120	BUZ		08.2005->up		250-25065	
2.0 TDI	3C2	125	CBB,F		05.2008->up			800-95004
	3C2	125	BMR		08.2005->up		250-25065	
2.0 TDI 4motion	3C2	103	BMP		03.2005->up			800-95004
2.0 TDI 16V	3C2	103	CBA,F		01.2008->up			800-95004
2.0 TDI 16V 4motion	3C2	103	CBA,F		01.2008->up			800-95004
2.0 TFSI	3C2	147	AXX		07.2005->11.2005		250-25035	
	3C2	147	BWA		11.2005->12.2007		250-25035	
	3C2	147	CAW		11.2007->up		250-24717	
2.2	32B	85	KX		08.1985->03.1988		250-21011	
2.3 V5	3B3	125	AZX		01.2001->04.2002		250-25008	250-24697
	3B3	125	AZX		05.2002->05.2005		250-25020	250-24843
2.3 V5 4motion	3B3	125	AZX		01.2001->04.2002		250-25008	250-24697
	3B3	125	AZX		05.2002->05.2005		250-25020	250-24843
2.3 VR5	3B2	110	AGZ		09.1997->08.2000		250-24146	
2.3 VR5 Syncro	3B2	110	AGZ		10.1997->08.2000		250-24417	
2.3 VR5 4motion	3B2	110	AGZ		10.1997->08.2000		250-24417	
2.8	3B3	142	AMX,ATQ,BBG		05.2002->05.2003	Left	250-24395	250-24414
	3B3	142	AMX,ATQ,BBG		05.2002->05.2003	Right	250-24395	250-24414
2.8 4motion	3B3	142	AMX		11.2000->05.2005	Left	250-24395	250-24414
	3B3	142	AMX		11.2000->05.2005	Right	250-24395	250-24414
	3B3	142	ATQ		03.2001->05.2005	Left	250-24395	250-24414
	3B3	142	ATQ		03.2001->05.2005	Right	250-24395	250-24414
	3B2	132	AGE		05.1997->09.1999	Left	250-24719	
2.8 V6	3B2	132	AGE		05.1997->09.1999	Right	250-24719	
	3B2	142	ACK,AQD		06.1997->08.2000	Left	250-24719	
	3B2	142	ACK,AQD		06.1997->08.2000	Right	250-24719	
	3B2	142	APR		01.1999->08.2000	Left	250-24395	
	3B2	142	APR		01.1999->08.2000	Right	250-24395	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
PASSAT (cont'd)								
2.8 V6 Syncro	3B2	142	ACK,ALG		05.1997->12.1998	Left	250-24719	
	3B2	142	ACK,ALG		05.1997->12.1998	Right	250-24719	
	3B2	142	APR,AOD		01.1999->08.2000	Left	250-24395	
	3B2	142	APR,AOD		01.1999->08.2000	Right	250-24395	
2.8 V6 4motion	3B2	142	ACK,ALG		05.1997->12.1998	Left	250-24719	
	3B2	142	ACK,ALG		05.1997->12.1998	Right	250-24719	
	3B2	142	APR,AOD		01.1999->08.2000	Left	250-24395	
2.8 VR6	3B2	142	APR,AOD		01.1999->08.2000	Right	250-24395	
	3A2, 35l	128	AAA	w/ CAT, To Ch. No. S-086000	06.1991->08.1996		250-24066	
	3A2, 35l	128	AAA	w/ CAT, Fr. Ch. No. S-086001	06.1991->08.1996		250-24194	
	3A2, 35l	128	AAA	w/ CAT, To Ch. No. T-000209	06.1991->08.1996		250-24194	
3.2 FSI 4motion	3A2, 35l	128	AAA	w/ CAT, Fr. Ch. No. T-000210	06.1991->08.1996		250-24147	
	3A2, 35l	128	AAA	w/o CAT	06.1991->08.1996		250-24823	
	3C2	184	AXZ		11.2005->up	Left	250-25040	250-24954
	3C2	184	AXZ		11.2005->up	Right	250-25033	250-24672
3.6 FSi	3C2	206	BLV		09.2005->07.2007	Left	250-25040	250-24671
	3C2	206	BLV		09.2005->07.2007	Right	250-25033	250-24672
3.6 FSi 4motion	3C2	206	BLV		09.2005->up	Left	250-25040	250-24671
	3C2	206	BLV		09.2005->up	Right	250-25033	250-24672
3.6 R36 4motion	3C2	220	BWS		09.2007->up	Left	250-25040	250-24954
	3C2	220	BWS		09.2007->up	Right	250-25033	250-24672
4.0 W8 4motion	3B3	202	BDN,BDP		09.2001->05.2005	Left	250-25007	250-24494
	3B3	202	BDN,BDP		09.2001->05.2005	Right	250-25003	250-24494
PASSAT SALOON								
1.6	32B	51	PP		08.1987->03.1988		250-21011	
1.8	32B	66	JN		01.1985->03.1988		250-21011	
2.2	32B	85	KX		08.1985->03.1988		250-21011	
PASSAT VARIANT								
1.4 TSI	3C5	90	CAXA		05.2007->11.2010		250-241054	
1.6	32B	51	PP		08.1987->03.1988		250-21011	
	3A5, 35l	53	1F		08.1988->07.1990		250-21011	
	3A5, 35l	74	AEK,AFT		10.1994->12.1995		250-24594	
	3B5	74	ADP,AHL,ARM		06.1997->08.2000		250-24555	
1.6	3B5	74	ANA		07.1999->08.2000		250-241057	250-241051
	3B6	75	AZM		11.2000->05.2005		250-24577	250-24569
	3B6	75	ALZ		11.2000->05.2005		250-241057	250-241051
1.6	3C5	75	BSE & BSF		08.2005->11.2010		250-25092	
1.6 FSi	3C5	85	BLF		08.2005->05.2007		250-25034	250-24672
1.8	32B	66	JN		08.1984->03.1988		250-21011	
	3A5, 35l	55	AAM	To Ch. No. M-400000	08.1990->07.1991		250-21011	
	3A5, 35l	55	AAM	Fr. Ch. No. N-000001	08.1991->08.1996		250-21037	
	3A5, 35l	55	AAM	Fr. Ch. No. S-075001	08.1990->08.1996		250-24719	
	3A5, 35l	66	ABS	A/T	08.1988->09.1994		250-23023	
	3A5, 35l	66	ABS	M/T	08.1990->09.1994		250-21037	
	3A5, 35l	66	ABS,RP		08.1990->09.1994		250-23023	
	3A5, 35l	66	ADZ		10.1994->12.1996		250-24719	
	3A5, 35l	66	RP	w/ CAT	04.1988->07.1990		250-21011	
	3A5, 35l	66	RP	w/o CAT	04.1988->07.1990		250-23154	
	3A5, 35l	79	PB,PF		08.1988->07.1990		250-23018	
	3A5, 35l	82	PB		08.1988->07.1990		250-23018	
	3B5	85	AFY		06.1997->12.1998		250-24555	
	3B5	85	AFY		12.1998->04.2000		250-24843	
	3B5	92	ADR		06.1997->12.1998		250-24555	
	3B5	92	APT,AGR		01.1999->08.2000		250-24843	
1.8 Syncro	32B	66	JN		01.1986->03.1988		250-23048	
1.8 Syncro/4motion	3B5	92	ADR,APT,ARG		08.1997->08.2000		250-24843	
1.8 16V	3A5, 35l	100	KR		08.1988->12.1989		250-23048	
1.8 G60 Syncro	3A5, 35l	118	PG		09.1989->10.1993		250-23822	
1.8 T	3B5	110	AEB		06.1997->12.1998		250-24146	
	3B5	110	AEB,APU		12.1998->11.2000		250-24843	
	3B5	110	ANB		01.1999->08.2000		250-24843	250-24432
	3B6	125	AWM		05.2002->05.2005		250-25004	250-24432
1.8 T 20V	3B6	110	AWM		05.2002->05.2005		250-25004	250-24432
	3B6	110	AWT		11.2000->05.2005		250-25004	250-24432
1.8 TSI	3C5	118	BZB		05.2007->up		250-24717	
1.9 TDI	3C5	77	BLS		08.2005->up			800-95004
2.0	3A5, 35l	79	AEP,AGG		03.1995->08.1996		250-24194	
	3A5, 35l	79	AEP,AGG		03.1995->08.1996		250-24594	
	3A5, 35l	85	2E	w/ CAT	02.1990->09.1994		250-23023	
	3A5, 35l	85	2E	w/o CAT	10.1993->09.1994		250-24823	
	3A5, 35l	85	ADY	w/ CAT	10.1994->07.1995		250-24194	
	3A5, 35l	85	ADY	w/o CAT	10.1994->07.1995		250-24594	
	3B5	88	ASU		04.2000->11.2000		250-24577	250-24431



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
PASSAT VARIANT (cont'd)								
2.0	3B6	85	AZM		11.2000->05.2005		250-241057	250-241051
	3B6	96	ALT		11.2001->05.2005		250-25004	250-24432
2.0 4motion	3B5	88	ASU,AUZ		04.2000->11.2000		250-24577	250-24431
	3B6	85	AZM		11.2000->05.2005		250-241057	250-241051
2.0 Syncro	3A5, 351	85	2E		10.1990->12.1993		250-23822	
	3A5, 351	85	2E		01.1994->09.1994		250-24823	
	3A5, 351	85	ADY		10.1994->05.1997		250-24194	
2.0 16V	3A5, 351	100	9A		08.1988->07.1990		250-23048	
	3A5, 351	100	9A		08.1990->09.1993		250-23023	
	3A5, 351	110	ABF	To Ch. No. S-075000	01.1994->05.1997		250-24066	
	3A5, 351	110	ABF	Fr. Ch. No. S-075001	01.1994->12.1996		250-24307	
2.0 FSI	3C5	110	BLR		08.2005->11.2005	Left	250-25077	250-24717
	3C5	110	BLR		08.2005->11.2005	Right	250-25033	250-24717
	3C5	110	BVY		11.2005->05.2007	Left	250-25077	250-24717
	3C5	110	BVY		11.2005->05.2007	Right	250-25033	250-24717
	3C5	147	AXX		08.2005->11.2005			250-24955
	3C5	147	BWA		11.2005->12.2007			250-24955
2.0 FSI 4motion	3C5	110	BLX		09.2005->11.2005	Left	250-25077	250-24717
	3C5	110	BLX		09.2005->11.2005	Right	250-25033	250-24717
	3C5	110	BVX		11.2005->05.2007	Left	250-25077	250-24717
	3C5	110	BVX		11.2005->05.2007	Right	250-25033	250-24717
2.0 TDI	3B6	100	BGW,BHW		12.2003->05.2005			800-95005
	3C5	90	BVD		08.2005->up			800-95004
	3C5	100	CBA,F		01.2008->up			800-95004
	3C5	103	BMP		08.2005->up			800-95004
	3C5	125	CBB,F		05.2008->up			800-95004
2.0 TDI	3C5	120	BUZ		08.2005->up		250-25065	
	3C5	125	BMR		08.2005->up		250-25065	
2.0 TDI 4motion	3C5	103	BMP		08.2005->up			800-95004
2.0 TDI 16V	3C5	103	CBA,F		01.2008->up			800-95004
2.0 TDI 16V 4motion	3C5	103	CBA,F		01.2008->up			800-95004
2.0 TFSI	3C5	147	AXX		08.2005->11.2005		250-25035	
	3C5	147	BWA		11.2005->12.2007		250-25035	
	3C5	147	CAW		11.2007->up		250-24717	
2.2	32B	85	KX		08.1985->03.1988		250-21011	
2.2 Syncro	32B	88	JT		08.1985->03.1988		250-23048	
2.3 VR5	3B5	110	AGZ		09.1997->08.2000		250-24146	
	3B6	125	AZX		01.2001->04.2002		250-25008	250-24843
	3B6	125	AZX		05.2002->05.2005		250-25020	250-24697
2.3 VR5 4motion	3B6	125	AZX		01.2001->04.2002		250-25008	250-24843
	3B6	125	AZX		05.2002->05.2005		250-25020	250-24697
2.3 VR5 Syncro	3B5	110	AGZ		10.1997->08.2000		250-24417	
2.3 VR5 4motion	3B5	110	AGZ		10.1997->08.2000		250-24417	
2.8 4motion	3B6	142	ATQ,AMX		11.2000->05.2005	Left	250-24395	250-24414
	3B6	142	ATQ,AMX		11.2000->05.2005	Right	250-24395	250-24414
2.8 V6	3B5	132	AGE		09.1997->09.1999	Left	250-24719	
	3B5	132	AGE		09.1997->09.1999	Right	250-24719	
	3B5	142	ACK,AQD		06.1997->11.2000	Left	250-24719	
	3B5	142	ACK,AQD		06.1997->11.2000	Right	250-24719	
	3B5	142	APR		01.1999->08.2000	Left	250-24395	
	3B5	142	APR		01.1999->08.2000	Right	250-24395	
2.8 V6 Syncro	3B5	142	ACK,ALG		06.1997->12.1998	Left	250-24719	
	3B5	142	ACK,ALG		06.1997->12.1998	Right	250-24719	
	3B5	142	APR,AQD		01.1999->11.2000	Left	250-24395	
	3B5	142	APR,AQD		01.1999->11.2000	Right	250-24395	
2.8 V6 4motion	3B5	142	ACK,ALG		06.1997->12.1998	Left	250-24719	
	3B5	142	ACK,ALG		06.1997->12.1998	Right	250-24719	
	3B5	142	APR,AQD		01.1999->11.2000	Left	250-24395	
	3B5	142	APR,AQD		01.1999->11.2000	Right	250-24395	
2.8 VR6	3A5, 351	128	AAA		06.1991->10.1993		250-24066	
	3A5, 351	128	AAA	To Ch. No. S-086000	10.1993->05.1997		250-24066	
	3A5, 351	128	AAA	Fr. Ch. No. S-086001	06.1991->05.1997		250-24194	
	3A5, 351	128	AAA	To Ch. No. T-000209	06.1991->05.1997		250-24194	
	3A5, 351	128	AAA	Fr. Ch. No. T-000210	06.1991->12.1996		250-24147	
	3A5, 351	128	AAA	w/o CAT	06.1991->12.1996		250-24823	
2.9 VR6 Syncro	3A5, 351	135	ABV		10.1994->07.1995		250-24194	
	3A5, 351	135	ABV		07.1995->05.1997		250-24417	
3.2 FSI 4motion	3C5	184	AXZ		11.2005->up	Left	250-25040	250-24954
	3C5	184	AXZ		11.2005->up	Right	250-25033	250-24672
3.6 R36 4motion	3C5	220	BWS		09.2007->up	Left	250-25040	250-24954
	3C5	220	BWS		09.2007->up	Right	250-25033	250-24672
4.0 W8 4motion	3B6	202	BDN,BDP		09.2001->05.2005	Left	250-25007	250-24494
	3B6	202	BDN,BDP		09.2001->05.2005	Right	250-25003	250-24494



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
PHAETON								
3.0 V6 TDI 4motion	3D2	165	BMK		09.2004->05.2007			800-95016
	3D2	171	CARA		06.2007->10.2008			800-95016
	3D2	176	CEX		11.2008->up			800-95016
3.2 V6	3D2	177	AYT		05.2002->05.2005	Left	250-25020	250-24697
	3D2	177	AYT		05.2002->05.2005	Right	250-25020	250-24697
	3D2	177	BKL		08.2003->05.2007	Left	250-25020	250-24697
	3D2	177	BKL		08.2003->05.2007	Right	250-25020	250-24697
	3D2	177	BRK		05.2004->05.2007	Left	250-25020	250-24697
	3D2	177	BRK		05.2004->05.2007	Right	250-25020	250-24697
3.2 V6 4motion	3D2	177	BRK,BKL		02.2004->05.2007	Left	250-25020	250-24494
	3D2	177	BRK,BKL		02.2004->05.2007	Right	250-25020	250-24494
4.2 V8 4motion	3D2	246	BGJ,BGH		05.2003->05.2007	Left	250-25007	250-24494
	3D2	246	BGJ,BGH		05.2003->05.2007	Right	250-25003	250-24734
6.0 W12 4motion	3D2	309	BAN		04.2002->05.2002	Left	250-25007	250-24697
	3D2	309	BAN		04.2002->05.2002	Right	250-25007	250-24432
	3D2	309	BAN		05.2002->05.2005	Left	250-25007	250-24494
	3D2	309	BAN		05.2002->05.2005	Right	250-25003	250-24432
6.0 W12 4motion	3D2	331	BTT,BRN		05.2005->05.2007	Cyl 1-3	250-25026	250-24494
	3D2	331	BTT,BRN		05.2005->05.2007	Cyl 4-6	250-25026	250-24494
	3D2	331	BTT,BRN		05.2005->05.2007	Cyl 7-9	250-25033	250-24432
	3D2	331	BTT,BRN		05.2005->05.2007	Cyl 10-12	250-25040	250-24432
	3D2	331	BTT,BRN		06.2007->up	Cyl 1-3	250-25026	250-24494
	3D2	331	BTT,BRN		06.2007->up	Cyl 4-6	250-25037	250-24494
	3D2	331	BTT,BRN		06.2007->up	Cyl 7-9	250-25033	250-24432
	3D2	331	BTT,BRN		06.2007->up	Cyl 10-12	250-25040	250-24432
POLO								
1.0	6N2	37	ALD		10.1999->09.2001		250-24432	
	6N2	37	AUC		10.1999->09.2001		250-25007	250-24697
	86C, 80	33	AAU		10.1990->01.1992		250-23822	
1.0 CAT	86C, 80	33	AAK		08.1989->10.1990		250-23822	
	86C, 80	33	AAU		10.1990->09.1994		250-23822	
1.2	9N_	40	AWY,BMD		01.2002->05.2004		250-24941	250-24966
1.2 12V	9N_	47	AZQ		11.2001->05.2004		250-25003	250-24966
	9N_	47	BME		11.2001->07.2007		250-24797	250-24966
1.2	6R, 6C	44	CGPB		06.2009->up			250-24966
	6R, 6C	44	CHFA		06.2009->up		250-24941	
	6R, 6C	51	CGPA		06.2009->up			250-24966
	6R, 6C	77	CBZB		11.2009->up		250-25092	
1.2 TSI	6R, 6C	77	CBZB		11.2009->up		250-25092	
1.3	86C, 80	40	MH,NZ		09.1987->07.1988		250-23018	
	86C, 80	56	3F		10.1990->08.1994		250-23822	
1.3 CAT	86C, 80	40	AAV		10.1990->09.1994		250-23139	
	86C, 80	40	NZ		08.1988->10.1990		250-23018	
	86C, 80	40	NZ		10.1990->09.1994		250-23822	
	86C, 80	55	3F		10.1989->03.1991		250-23822	
1.4	6N2	40	AKP		10.1999->09.2001		250-25007	250-24697
	6N2	44	AKK		10.1999->09.2001		250-24432	
	6N2	44	AUD	A/T	10.1999->09.2001		250-25007	250-24689
	6N2	44	AUD	M/T	10.1999->09.2001		250-25007	250-24697
1.4	6R, 6C	63	CGGB		06.2009->up		250-24940	
1.4 BiFuel	6R, 6C	60	CMAA		03.2010->01.2011		250-24940	
1.4 16V	6N2	55	AHW		10.1999->09.2001		250-24558	250-24574
	6N2	74	AFK		10.1999->09.2001		250-24558	250-24574
	6N2	74	AUB		10.1999->09.2001		250-24574	250-24574
	9N_	55	AUA		11.2001->01.2002		250-24569	250-24940
	9N_	55	BBY		11.2001->05.2004		250-24569	250-24940
	9N_	55	BKY		11.2001->07.2007		250-25062	250-24940
	9N_	59	BUD		05.2006->up		250-24953	250-24940
	9N_	74	AUB		11.2001->06.2002		250-24569	250-24940
	9N_	74	BBZ		05.2002->05.2005		250-24569	250-24940
1.4 FSI	9N_	63	AXU		02.2002->05.2006		250-25002	250-25002
1.4 TDI	9N_	51	BWB		04.2005->up			800-95007
	9N_	51	BWD		05.2006->up			800-95007
	9N_	59	BMS		10.2005->up			800-95007
	9N_	59	BMS		04.2005->up			800-95007
1.6 16V	9N_	77	BTS		05.2006->up		250-24953	250-24753
1.6 16V GTI	6N2	92	ARC		11.1999->04.2000		250-25007	250-24697
	6N2	92	AVY		05.2000->09.2001		250-25007	250-24697
1.6 TDI	6R, 6C	55	CAYA	Ireland	06.2009->up		250-25062	
	6R, 6C	66	CAYB	Ireland	06.2009->up		250-25062	
	6R, 6C	77	CAYC	Ireland	06.2009->up		250-25062	
1.8 GTI	9N_	110	BJX		09.2005->up		250-25008	250-24432
1.8 GTi Cup Edition	9N_	132	BBU		05.2006->up		250-25008	250-24432
1.9 TDI	9N_	74	BMT		05.2006->up			800-95007
100 1.4 16V	6N1	74	AFH		04.1996->04.1997		250-24555	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
POLO (cont'd)								
100 1.4 16V	6N1	74	AFH		04.1997->11.1998		250-24582	
	6N1	74	AFH		11.1998->10.1999		250-24558	
120 1.6 16V GTI	6N1	88	AJV		09.1998->10.1999		250-24558	
45 1.0	6N1	33	AEV		10.1994->09.1996		250-24555	
50 1.0	6N1	37	AER		09.1996->04.1997		250-24719	
	6N1	37	AER		05.1997->10.1999		250-24560	
	6N1	37	ALL		08.1997->05.1999		250-24558	
55 1.3	6N1	40	ADX		10.1994->07.1995		250-24555	
	6N1	40	ADX		10.1994->07.1995		250-24417	
55 1.4	6N1	40	ANX		01.1998->10.1999		250-24558	
60 1.4	6N1	44	AEX	w/ CAT	07.1995->04.1997		250-24555	
	6N1	44	AEX	w/o CAT	05.1996->04.1997		250-24147	
	6N1	44	AEX		05.1997->10.1999		250-24558	
	6N1	44	AKV,APO		05.1997->10.1999		250-24558	
75 1.6	6N1	55	AEA		10.1994->07.1995		250-24555	
	6N1	55	AEE		07.1995->07.1996		250-24555	
	6N1	55	AEE,AHS		07.1995->04.1997		250-24555	
	6N1	55	AEE,AHS		05.1997->10.1999		250-24582	
POLO BOX								
1.0	86CF	33	AAU		08.1992->07.1994		250-23822	
1.3	86CF	40	AAV		08.1992->07.1994		250-23139	
1.4	6NF	44	AEX,APO	To Ch. No. W-000 000	05.1998->12.1999		250-24417	
	6NF	44	AEX,APO	Fr. Ch. No. W-000 001	05.1998->12.1999		250-24558	
POLO CLASSIC								
1.0	86C, 80	33	AAU		10.1990->09.1994		250-23822	
1.3	86C, 80	40	MH		08.1986->07.1987		250-23018	
1.3 CAT	86C, 80	40	AAV		01.1991->09.1994		250-23139	
	86C, 80	40	MH,NZ		07.1987->10.1990		250-23018	
	86C, 80	40	NZ		10.1990->12.1992		250-23822	
100 1.6	6KV2	74	AEH,AKL		10.1999->09.2001		250-24432	
	6KV2	74	AFT	w/ CAT	05.1996->08.1999		250-24194	
	6KV2	74	AFT	w/o CAT	12.1995->09.1999		250-24594	
	6KV2	74	APF,AUR		03.2000->09.2001		250-25007	250-24689
2.0	6KV2	85	ADC		08.1999->09.2001		250-24066	
60 1.4	6KV2	44	AEX	To Ch. No. W-000 000	05.1996->05.1997		250-24719	
	6KV2	44	AEX	Fr. Ch. No. W-000 001	05.1997->12.1997		250-24147	
	6KV2	44	AKK		10.1999->09.2001		250-24432	
	6KV2	44	AKV,ANX		12.1997->09.1998		250-24147	
	6KV2	44	AKV,ANX,APO		09.1998->08.1999		250-24558	
	6KV2	44	ANW		10.1999->09.2001		250-25007	250-24689
	6KV2	44	APO		12.1997->09.1998		250-24147	
	6KV2	44	AUD		06.2000->10.2000		250-25007	250-24689
	6KV2	44	AUD		10.2000->09.2001		250-25007	250-24432
75 1.4 16V	6KV2	55	APE		10.1999->06.2000		250-24576	250-24576
	6KV2	55	AUA		06.2000->09.2001		250-24576	250-24576
75 1.6	6KV2	55	1F		05.1996->09.1997		250-24719	
	6KV2	55	AEE,ALM		09.1997->09.2001		250-24719	
90 1.8	6KV2	66	ADD		03.1998->09.2001		250-24066	
POLO COUPE								
1.0	86C, 80	33	AAU		10.1990->01.1992		250-23822	
1.0 CAT	86C, 80	33	AAK		01.1990->10.1990		250-23822	
	86C, 80	33	AAU		10.1990->09.1994		250-23822	
1.3	86C, 80	40	MH,NZ		08.1986->06.1987		250-23018	
	86C, 80	57	3F		03.1991->09.1994		250-23822	
1.3 CAT	86C, 80	40	AAV		10.1990->08.1994		250-23139	
	86C, 80	40	MH,NZ		09.1987->10.1990		250-23018	
	86C, 80	40	NZ		10.1990->08.1994		250-23822	
	86C, 80	55	3F		10.1989->10.1990		250-23822	
1.3 G40	86C, 80	85	PY		01.1987->08.1990		250-23018	
	86C, 80	83	PY		10.1990->09.1994		250-23822	
POLO SALOON								
1.4		55	BBY		07.2003->up		250-24569	250-24940
		74	BBZ		11.2003->up		250-24569	250-24940
1.6i		74	BAH		09.2002->up		250-24432	
2.0		85	BBX		09.2002->up		250-24431	250-24431
POLO VARIANT								
1.4	6KV5	40	AKP		12.1998->09.2001		250-25002	
	6KV5	44	AEX		05.1997->12.1997		250-24147	
	6KV5	44	AKK		10.1999->09.2001		250-24432	
	6KV5	44	AKV,ANX		12.1997->09.1998		250-24147	
	6KV5	44	AKV,ANX,APO		09.1998->08.1999		250-24558	
	6KV5	44	ANW		10.1999->08.2000		250-25007	250-24689



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
POLO VARIANT (cont'd)								
1.4	6KV5	44	APO		12.1997->09.1998		250-24147	
1.4 16V	6KV5	55	APE		10.1999->06.2000		250-24576	250-24576
	6KV5	55	AUA		06.2000->09.2001		250-24576	250-24576
1.6	6KV5	55	AEE,ALM		09.1997->09.2001		250-24719	
	6KV5	74	AEH,AKL		10.1999->09.2001		250-24432	
	6KV5	74	AFT		05.1997->08.1999		250-24594	
	6KV5	74	APF,AUR		03.2000->09.2001		250-25007	250-24689
RABBIT V								
1.4 TSI	1K1	103	BMV		05.2006->11.2008			250-24994
	1K1	125	BLG		11.2005->11.2008		250-24954	
2.0 FSI	1K1	110	BLV, BVZ		01.2004->11.2008		250-25078	
	1K1	110	BLR, BVV, BVX, AXW, BLX		01.2004->11.2008	Left	250-25077	
2.0 FSI 4motion	1K1	110	BVX, BLX		08.2004->11.2008	Left	250-25077	
2.0 TDI	1K1	125	BMN		11.2005->11.2008		250-25065	
SCIROCCO								
1.4 TSI	137	118	CAV		09.2008->up		250-25040	
1.8	53B	70	JH		11.1985->07.1986		250-21011	
1.8 16V	53B	95	PL		03.1986->07.1992		250-23048	
	53B	102	KR		10.1985->07.1989		250-21011	
2.0 TDI	137	103	CBD,F		10.2008->up			800-95004
2.0 TSI	137	147	CAW		09.2008->up		250-24671	
SHARAN								
1.8 T 20V	7M8, 7M9, 7M6	110	AJH		11.1997->02.2000		250-24558	
	7M8, 7M9, 7M6	110	AWC		04.2000->up		250-25003	250-24734
2.0	7M8, 7M9, 7M6	85	ADY		09.1995->03.1996		250-24417	
	7M8, 7M9, 7M6	85	ADY		03.1996->02.2000		250-24194	
	7M8, 7M9, 7M6	85	ATM		04.2000->up		250-25003	250-24734
2.0 TDI	7M8, 7M9, 7M6	103	BRT		11.2005->up			800-95001
2.8 V6 24V	7M8, 7M9, 7M6	150	AYL		04.2000->up		250-25007	250-24170
2.8 V6 24V 4motion	7M8, 7M9, 7M6	150	AYL		04.2000->up		250-25007	250-24170
2.8 VR6	7M8, 7M9, 7M6	128	AAA		09.1995->11.1995		250-24417	
	7M8, 7M9, 7M6	128	AAA,AMY		11.1995->04.2000		250-24147	
2.8 VR6 Syncro	7M8, 7M9, 7M6	128	AAA,AMY		11.1996->04.2000		250-24147	
TIGUAN								
1.4 TSI 4motion	5N_	110	BWK		09.2007->up			250-24994
2.0 TFSI 4motion	5N_	125	CAW		01.2008->up		250-24717	250-24955
	5N_	147	CCZA,CAWB,CCTA		11.2007->up		250-24717	250-24955
TOUAREG								
3.0 TDI	7LA, 7L6, 7L7	155	BUN		12.2006->05.2010			800-95007
	7LA, 7L6, 7L7	155	BUN,CASB		12.2006->05.2010			800-95007
3.0 V6 TDI	7LA, 7L6, 7L7	165	BKS		11.2004->05.2010			800-95007
3.2 V6	7LA, 7L6, 7L7	162	AZZ,BAA,BKJ	Left	11.2002->05.2004	Left	250-25007	250-24432
	7LA, 7L6, 7L7	162	AZZ,BAA,BKJ	Right	11.2002->05.2004	Right	250-25002	250-24431
	7LA, 7L6, 7L7	162	BMV,BRJ	Left	05.2004->11.2006	Left	250-25007	250-24432
	7LA, 7L6, 7L7	162	BMV,BRJ	Right	05.2004->11.2006	Right	250-25002	250-24431
3.6 V6 FSI	7LA, 7L6, 7L7	206	BHK	Left	03.2006->05.2010	Left	250-25025	250-24671
	7LA, 7L6, 7L7	206	BHK	Right	03.2006->05.2010	Right	250-25034	250-24699
4.2 V8	7LA, 7L6, 7L7	228	AXQ	Left	12.2002->11.2006	Left	250-25008	250-24493
	7LA, 7L6, 7L7	228	AXQ	Right	12.2002->11.2006	Right	250-25003	250-24843
4.2 V8 FSI	7LA, 7L6, 7L7	257	BAR	Left	12.2006->05.2010	Left	250-25008	250-24726
	7LA, 7L6, 7L7	257	BAR	Right	12.2006->05.2010	Right	250-25003	250-24717
5.0 V10 TDI	7LA, 7L6, 7L7	230	AYH	Left	11.2002->04.2004	Left	250-25054	800-95014
	7LA, 7L6, 7L7	230	AYH	Right	11.2002->04.2004	Right	250-25053	800-95013
	7LA, 7L6, 7L7	230	AYH	Left	05.2004->11.2006	Left	250-25054	800-95012
	7LA, 7L6, 7L7	230	AYH	Right	05.2004->11.2006	Right	250-25053	800-95005
	7LA, 7L6, 7L7	230	BLE	Left	11.2004->05.2010	Left	250-25054	800-95006
	7LA, 7L6, 7L7	230	BLE	Right	11.2004->05.2010	Right	250-25053	800-95005
TOURAN								
1.2 TSI	1T3	77	CBZB		05.2010->up		250-25092	
1.4 FSI	1T1, 1T2, 1T3	125	BLG		12.2006->up		250-24953	250-24994
	1T1, 1T2, 1T3	103	BMV		02.2006->up		250-24954	250-24955
1.6	1T1, 1T2	75	BGU		07.2003->05.2005		250-24753	250-24753
	1T1, 1T2	75	BSE,BSF		06.2005->11.2006		250-24753	250-24753
1.6 FSI	1T1, 1T2	85	BAG	A/T	02.2003->06.2003		250-25007	
	1T1, 1T2	85	BAG	M/T	02.2003->05.2004		250-25002	
	1T1, 1T2	85	BLF		02.2005->01.2007		250-25034	250-24699
	1T1, 1T2	85	BLP		05.2004->05.2005		250-25034	
1.9 TDI	1T1, 1T2	66	BXJ		11.2006->up		800-95004	800-95004
	1T1, 1T2	77	BLS		06.2005->up		800-95004	800-95004
2.0 EcoFuel	1T1, 1T2, 1T3	80	BSX		02.2006->05.2009		250-24672	250-24672
2.0 FSI	1T1, 1T2, 1T3	110	AXW		10.2003->05.2004	Left	250-25077	250-24717



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
TOURAN (cont'd)								
2.0 FSI	1T1, 1T2, 1T3	110	AXW		10.2003->05.2004	Right	250-25033	250-24717
	1T1, 1T2, 1T3	110	BLR		02.2005->11.2005		250-25077	250-24717
	1T1, 1T2, 1T3	110	BLR		02.2005->11.2005	Right	250-25033	250-24717
	1T1, 1T2, 1T3	110	BLX		05.2004->11.2005	Left	250-25077	250-24717
	1T1, 1T2, 1T3	110	BLX		05.2004->11.2005	Right	250-25033	250-24717
	1T1, 1T2, 1T3	110	BLY		05.2004->11.2005		250-25078	250-24717
	1T1, 1T2, 1T3	110	BLZ		05.2003->11.2005		250-25078	250-24717
	1T1, 1T2, 1T3	110	BVY		11.2005->01.2007		250-25033	250-24717
	1T1, 1T2, 1T3	110	BVZ		11.2005->01.2007		250-25078	250-24717
2.0 TDI	1T1, 1T2	103	BMM		11.2006->up			800-95004
2.0 TDI 16V	1T1, 1T2	103	BMM		12.2005->11.2006			800-95004
2.0 TDI	1T1, 1T2	125	BMN		12.2005->05.2010		250-25065	
TRANSPORTER T3 BOX								
1.9		61	DH		10.1984->07.1985		250-21024	
2.1		70	MV		08.1985->07.1991		250-23124	
2.1 Syncro		70	MV		08.1985->07.1992		250-23124	
2.1i		68	SS		08.1989->07.1991		250-23124	
TRANSPORTER T3 BUS								
1.9		61	DH		01.1983->07.1985		250-21024	
2.1		64	SR		10.1986->07.1991		250-23124	
		70	MV		08.1985->07.1991		250-23124	
2.1 CAT		70	MV		06.1989->07.1991		250-23124	
2.1 Syncro		64	MV,SR		10.1986->09.1991		250-23124	
		70	MV		08.1985->09.1991		250-23124	
2.1i		68	SS		08.1989->07.1991		250-23124	
TRANSPORTER T3 FLATBED/CHASSIS								
1.9		61	DH		10.1984->07.1985		250-21024	
2.1		70	MV		08.1985->07.1991		250-23124	
2.1 Syncro		70	MV		08.1985->09.1991		250-23124	
2.1i		68	SS		08.1989->07.1991		250-23124	
TRANSPORTER T4 BOX								
2.0	70XA	62	AAC		09.1990->12.1995		250-23013	
	70XA	62	AAC		01.1996->04.2003		250-24594	
2.5	70XA	81	AAF,ACU	w/ CAT	11.1990->12.1995		250-23013	
	70XA	81	AAF,ACU,AEN	w/o CAT	11.1990->12.1995		250-23148	
	70XA	81	AEU		01.1996->04.2003		250-24594	
	70XA	85	AET		05.1997->04.2003		250-24194	
	70XA	85	APL,AVT		05.1999->04.2003			250-24843
2.5 Syncro	70XA	81	AAF		11.1992->12.1993		250-23013	
	70XA	81	ACU		01.1994->12.1995		250-23013	
	70XA	81	AEU		06.1997->04.2003		250-24594	
	70XA	85	AET		08.1996->04.2003		250-24194	
	70XA	85	APL,AVT		06.1997->04.2003			250-24843
2.8 VR6	70XA	103	AES		05.1996->05.2000		250-24147	250-24417
	70XA	150	AMV		06.2000->04.2003		250-25003	250-24843
TRANSPORTER T4 BUS								
2.0	70XB,XC	62	AAC		09.1990->12.1995		250-23013	
	7DB,DW	62	AAC		09.1990->12.1995		250-23013	
	70XB,XC	62	AAC		01.1996->04.2003		250-24594	
	7DB,DW	62	AAC		01.1996->04.2003		250-24594	
2.5	70XB,XC	81	AAF	w/ CAT	08.1992->12.1993		250-23013	
	7DB,DW	81	AAF	w/ CAT	08.1992->12.1993		250-23013	
	70XB,XC	81	AAF	w/o CAT	08.1992->12.1993		250-23148	
	7DB,DW	81	AAF	w/o CAT	08.1992->12.1993		250-23148	
	70XB,XC	81	ACU	w/ CAT	07.1994->12.1995		250-23013	
	7DB,DW	81	ACU	w/ CAT	07.1994->12.1995		250-23013	
	70XB,XC	81	ACU	w/o CAT	07.1994->12.1995		250-23148	
	7DB,DW	81	ACU	w/o CAT	07.1994->12.1995		250-23148	
	70XB,XC	81	ACU		01.1996->04.1996		250-24594	
	7DB,DW	81	ACU		01.1996->04.1996		250-24594	
	70XB,XC	81	AEN		05.1995->12.1995		250-23148	
	7DB,DW	81	AEN		05.1995->12.1995		250-23148	
	70XB,XC	81	AEU		05.1997->04.2003		250-24594	
	7DB,DW	81	AEU		05.1997->04.2003		250-24594	
	70XB,XC	85	AET		08.1996->04.2003		250-24194	
	7DB,DW	85	AET		08.1996->04.2003		250-24194	
	70XB,XC	85	APL,AVT		05.1999->04.2003			250-24843
	7DB,DW	85	APL,AVT		05.1999->04.2003			250-24843
2.5 Syncro	70XB,XC	81	AAF		11.1992->12.1993		250-23013	
	7DB,DW	81	AAF		11.1992->12.1993		250-23013	
	70XB,XC	81	ACU		01.1994->12.1995		250-23013	
	7DB,DW	81	ACU		01.1994->12.1995		250-23013	



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLKSWAGEN (cont'd)								
TRANSPORTER T4 BUS (cont'd)								
2.5 Syncro	70XB,XC	81	AEU		06.1997->04.2003		250-24594	
	7DB,DW	81	AEU		06.1997->04.2003		250-24594	
	70XB,XC	85	AET		08.1996->04.2003		250-24194	
	7DB,DW	85	AET		08.1996->04.2003		250-24194	
	70XB,XC	85	APL,AVT		06.1997->04.2003			250-24843
2.8 V6	70XB,XC	150	AMV		05.2000->04.2003		250-25003	250-24843
	7DB,DW	150	AMV		05.2000->04.2003		250-25003	250-24843
2.8 VR 6	70XB,XC	103	AES		01.1996->04.2000		250-24147	250-24417
	7DB,DW	103	AES		01.1996->04.2000		250-24147	250-24417
TRANSPORTER T4 FLATBED/CHASSIS								
2.0	70XD	62	AAC		09.1990->12.1995		250-23013	
	70XD	62	AAC		01.1996->04.2003		250-24594	
2.5	70XD	81	AAF,ACU	w/ CAT	11.1990->12.1995		250-23013	
	70XD	81	AAF,ACU,AEN	w/o CAT	11.1990->12.1995		250-23148	
	70XD	81	ACU,AEU		01.1996->04.2003		250-24594	
	70XD	85	AET		05.1997->04.2003		250-24194	
	70XD	85	APL,AVT		05.1999->04.2003			250-24843
2.5 Syncro	70XD	81	AAF		11.1992->12.1993		250-23013	
	70XD	81	ACU		01.1994->12.1995		250-23013	
	70XD	81	AEU		06.1997->11.2001		250-24594	
	70XD	85	AET		08.1996->04.2003		250-24194	
2.8	70XD	103	AES		05.1996->05.2000		250-24147	250-24417
	70XD	150	AMV		06.2000->04.2003		250-25003	250-24843
TRANSPORTER T5 BOX								
1.9 TDI	7HA,7HH	62	BRR		01.2006->11.2009			800-95007
	7EA,7EH	62	BRR		01.2006->11.2009			800-95007
	7HA,7HH	75	BRS		06.2006->11.2009			800-95007
	7EA,7EH	75	BRS		06.2006->11.2009			800-95007
2.0	7HA, 7HH	85	AXA		11.2003->up		250-25007	250-24717
2.5 TDI	7HA, 7HH	96	BNZ		06.2006->up			800-95001
	7HA, 7HH	128	BPC		06.2006->up			800-95001
2.5 TDI 4motion	7HA, 7HH	96	BNZ		06.2006->up			800-95001
	7HA, 7HH	128	BPC		06.2006->up			800-95001
3.2 4motion	7HA,7HH	173	BKK		07.2004->11.2009	Left		250-24954
3.2 4motion	7EA,7EH	173	BKK		07.2004->11.2009	Left		250-24954
	7HA,7HH	173	BKK		07.2004->11.2009	Right		250-24717
	7EA,7EH	173	BKK		07.2004->11.2009	Right		250-24717
3.2 V6	7HA, 7HH	170	BDL		04.2003->06.2004	Left		250-24954
	7HA, 7HH	170	BDL		04.2003->06.2004	Right		250-24717
	7HA, 7HH	173	BKK,CFLA		04.2004->up	Left		250-24954
	7HA, 7HH	173	BKK,CFLA		02.2004->up	Right		250-24717
TRANSPORTER T5 BUS								
1.9 TDI	7HB,7HJ	62	BRR		01.2006->11.2009			800-95007
	7EB,7EJ	62	BRR		01.2006->11.2009			800-95007
	7HB,7HJ	75	BRS		06.2006->11.2009			800-95007
	7EB,7EJ	75	BRS		06.2006->11.2009			800-95007
2.0	7HB, 7HJ	85	AXA		11.2003->up		250-25007	250-24717
2.5 TDI	7HB, 7HJ	96	BNZ		06.2006->up			800-95001
	7HB, 7HJ	128	BPC		06.2006->up			800-95001
2.5 TDI 4motion	7HB, 7HJ	96	BNZ		06.2006->up			800-95001
	7HB, 7HJ	128	BPC		06.2006->up			800-95001
3.2 V6	7HB, 7HJ	170	BDL		02.2004->06.2004	Left		250-24672
	7HB, 7HJ	170	BDL		02.2004->06.2004	Right		250-24717
	7HB, 7HJ	173	BKK,CFLA		02.2004->up	Left		250-24672
	7HB, 7HJ	173	BKK,CFLA		02.2004->up	Right		250-24717
TRANSPORTER T5 FLATBED/CHASSIS								
1.9 TDI	7JD,JE	75	BRS		06.2006->11.2009			800-95007
	JL,JY,JZ, 7	75	BRS		06.2006->11.2009			800-95007
2.0	7JD,JE,JL,JY,JZ	85	AXA		11.2003->up		250-25007	250-24717
2.5 TDI	7JD,JE,JL,JY,JZ	96	BNZ		04.2003->up			800-95001
	7JD,JE,JL,JY,JZ	128	BPC		06.2006->up			800-95001
2.5 TDI 4motion	7JD,JE,JL,JY,JZ	96	BNZ		06.2006->up			800-95001
3.2 4motion	7JD,JE	170	BDL		11.2003->11.2009	Left		250-24954
	JL,JY,JZ, 7	170	BDL		11.2003->11.2009	Left		250-24954
	7JD,JE	170	BDL		11.2003->11.2009	Right		250-24717
	JL,JY,JZ, 7	170	BDL		11.2003->11.2009	Right		250-24717
3.2 V6	7JD,JE,JL,JY,JZ	170	BDL		02.2004->up	Left		250-24954
	7JD,JE,JL,JY,JZ	170	BDL		02.2004->up	Right		250-24717
	7JD,JE,JL,JY,JZ	173	BKK		05.2004->up	Left		250-24954
	7JD,JE,JL,JY,JZ	173	BKK		05.2004->up	Right		250-24717



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic	
VOLKSWAGEN (cont'd)									
VENTO									
1.4	1H2	40	ABD	w/ CAT, To Ch. No. S-120000	11.1991->09.1994		250-24066		
	1H2	40	ABD	w/o CAT, To Ch. No. S-120000	11.1991->09.1994		250-24823		
	1H2	40	ABD	w/ CAT, To Ch. No. S-120001	10.1994->07.1995		250-24719		
	1H2	40	ABD	w/o CAT, To Ch. No. S-120001	10.1994->07.1995		250-24147		
	1H2	40	AEX		07.1995->12.1997		250-24417		
	1H2	44	ABD	w/ CAT, To Ch. No. S-120000	11.1991->09.1994		250-24066		
	1H2	44	ABD	w/o CAT, To Ch. No. S-120000	11.1991->09.1994		250-24823		
	1H2	44	ABD	w/ CAT, To Ch. No. S-120001	09.1994->07.1995		250-24719		
	1H2	44	ABD	w/o CAT, To Ch. No. S-120001	09.1994->07.1995		250-24147		
	1H2	44	AEX		07.1995->05.1996		250-24417		
	1H2	44	AEX		05.1996->12.1997		250-24719		
	1.6	1H2	55	ABU		09.1992->09.1994		250-24066	
		1H2	55	AEA		10.1994->07.1995		250-24719	
		1H2	55	AEE		07.1995->12.1997		250-24719	
1H2		74	AEK,AFT		10.1994->12.1997		250-24594		
1H2		74	AFT		12.1995->05.1996		250-24194		
1.8	1H2	55	AAM		11.1991->09.1994		250-21037		
	1H2	55	AAM		09.1994->12.1997		250-24719		
	1H2	55	AAM	w/o CAT	11.1991->09.1994		250-23023		
	1H2	66	ABS	w/ CAT, To Ch. No. S-120000	11.1991->09.1994		250-21037		
	1H2	66	ABS	w/o CAT, To Ch. No. S-120000	11.1991->09.1994		250-23023		
	1H2	66	ABS	w/ CAT, To Ch. No. S-120001	09.1994->12.1997		250-24719		
	1H2	66	ADZ		09.1994->12.1997		250-24719		
2.0	1H2	85	2E	w/ CAT	11.1991->07.1995		250-24066		
	1H2	85	2E	w/o CAT	11.1991->09.1994		250-24823		
	1H2	85	ADY,AGG,AKR	w/ CAT	10.1994->12.1997		250-24194		
	1H2	85	ADY,AGG	w/o CAT	10.1994->12.1997		250-24594		
2.0 GL	1H2	79	AEP		05.1996->12.1997		250-24594		
2.8 VR6	1H2	128	AAA		01.1992->07.1994		250-24066		
	1H2	128	AAA		07.1994->07.1995		250-24194		
	1H2	128	AAA		07.1995->12.1997		250-24147		
	1H2	128	AAA	w/o CAT	01.1992->09.1994		250-24823		
VOLVO									
240									
2.3	P242, P244	83	B230F	To Ch. No. 334099,808999	08.1986->07.1987		250-23048		
	P242, P244	83	B230F	Fr. Ch. No. 334100,809000	08.1986->07.1987		250-23033		
2.3i CAT	P242, P244	85	B230F	To Ch. No. 334099,808999	08.1988->07.1993		250-23048		
	P242, P244	85	B230F	Fr. Ch. No. 334100,809000	08.1988->07.1993		250-23033		
240 ESTATE									
2.3	P245	83	B230F	To Ch. No. 334099,808999	08.1986->07.1987		250-23048		
	P245	83	B230F	Fr. Ch. No. 334100,809000	08.1986->07.1987		250-23033		
2.3i CAT	P245	85	B230F	To Ch. No. 334099,808999	08.1988->07.1993		250-23048		
	P245	85	B230F	Fr. Ch. No. 334100,809000	08.1988->07.1993		250-23033		
340/360									
2.0	343, 345	80,81	B200F		08.1987->07.1989		250-23048		
	343, 345	82	B200E,B200F		08.1986->07.1988		250-23048		
340/360 ESTATE									
	2	344	80	B200F	08.1988->07.1989		250-23048		
440 K									
1.6	445	61	B16F		12.1991->12.1996		250-23142		
1.7	445	70,75	B18FP		12.1988->07.1991		250-23142		
	445	78	B18FP		09.1988->06.1995		250-23142		
1.7 Turbo	445	88,90	B18FT		07.1989->06.1995		250-23142		
1.8	445	66	B18U		12.1991->12.1996		250-23142		
2.0	445	80,81	B20F		12.1992->07.1996		250-23142		
460 L									
1.6	464	61	B16F		07.1992->07.1996		250-23142		
1.7	464	75,80	B18FP		01.1990->07.1992		250-23142		
1.7 Turbo	464	88	B18FT		03.1990->08.1991		250-23048		
	464	88	B18FT		09.1991->07.1996		250-23142		
	464	90	B18FT		01.1991->08.1991		250-23048		
	464	90	B18FT		09.1991->07.1996		250-23142		
1.8	464	66	B18U		12.1991->06.1995		250-23142		
2.0	464	80,81	B20F		08.1993->07.1996		250-23142		
480 E									
1.7		70,75	B18F		08.1987->07.1995		250-23142		
		80	B18FP		08.1986->07.1988		250-23142		
1.7 Turbo		88,90	B18FT		08.1987->07.1995		250-23142		
2.0		81	B20F		12.1992->07.1995		250-23142		



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLVO (cont'd)								
740								
2.0	744	82	B200F	To Ch. No. 294099	09.1990->08.1992		250-23028	
	744	82	B200F	Fr. Ch. No. 294100	09.1990->07.1991		250-23033	
2.3	744	83-86	B230F	To Ch. No. 294099	07.1985->07.1990		250-23028	
	744	83-86	B230F	Fr. Ch. No. 294100	08.1984->07.1990		250-23033	
	744	111	B230FT	w/ CAT.	08.1988->07.1990		250-23019	
	744	111	B234F		08.1988->07.1990		250-23033	
	744	114	B234F		08.1988->07.1990		250-23033	
	744	117	B230FTX,B230FT	w/ CAT.	07.1988->07.1989		250-23019	
	744	117	B234F		04.1988->07.1989		250-23033	
	744	115	B230FT,B230FTX		08.1986->07.1989		250-23019	
2.3 Turbo	744	121	B230FTX		08.1989->07.1990		250-23019	
	744	121	B230GT	w/ CAT.	08.1989->07.1990		250-23154	
	744	134	B230ET		08.1985->12.1988		250-23048	
	744	140	B230FTX		08.1989->07.1990		250-23019	
	740 ESTATE							
2.0	745	82	B200F	To Ch. No. 176799	08.1989->07.1991		250-23028	
	745	82	B200F	Fr. Ch. No. 176800	08.1989->07.1991		250-23033	
	745	89	B200FT		08.1985->07.1992		250-23019	
2.3	745	83-85	B230F	To Ch. No. 176799	08.1985->07.1990		250-23028	
	745	83-85	B230F	Fr. Ch. No. 176800	08.1985->07.1990		250-23033	
	745	111	B234F		07.1989->07.1990		250-23033	
	745	111	B234FT	w/ CAT	07.1989->07.1990		250-23019	
	745	114	B234F		08.1988->07.1990		250-23033	
	745	117	B230FT	w/ CAT	08.1987->07.1989		250-23019	
	745	117	B234F		04.1988->07.1989		250-23033	
	745	115	B230FT		08.1986->07.1989		250-23019	
2.3 Turbo	745	121	B230GT	w/ CAT	08.1989->07.1990		250-23154	
	745	134	B230ET		08.1985->07.1988		250-23048	
	745	140	B230GT	w/ CAT	08.1989->07.1990		250-23154	
	760							
2.3	704, 764	119	B230FT		07.1988->12.1990		250-23019	
2.3 Turbo	704, 764	134	B230ET		08.1984->10.1988		250-23048	
2.8	704, 764	105	B280F		05.1986->12.1990		250-23033	
	704, 764	108	B280F		08.1986->07.1990		250-23033	
760 ESTATE								
2.3 Turbo	704, 765	134	B230ET		08.1984->07.1989		250-23048	
2.8	704, 765	105	B280FC		07.1986->12.1990		250-23033	
	704, 765	115	B280FC		08.1986->08.1990		250-23033	
780								
2.9		108	B280F		08.1987->07.1990		250-23033	
850								
2.0	LS	93	B5202FS	Leaded Fuel	09.1996->12.1996		250-24135	
	LS	93	B5202FS	Lead Free Fuel, To Ch. No. 70018	08.1994->12.1996		250-24192	
	LS	93	B5202FS	Lead Free Fuel, Fr. Ch. No. 70019	08.1994->09.1996		250-24178	
	LS	105	B5204F	Leaded Fuel	09.1996->12.1996		250-24135	
	LS	105	B5204F	Lead Free Fuel, To Ch. No. 70018	06.1991->12.1996		250-24192	
	LS	105	B5204F	Lead Free Fuel, Fr. Ch. No. 70019	06.1991->09.1996		250-24178	
	LS	155	B5204T		01.1994->12.1996		250-24135	
2.0 Turbo	LS	155	B5204T2		01.1994->12.1996		250-24133	
2.3 T5	LS	166	B5234FT		01.1994->07.1996		250-24135	
2.3 T5-R	LS	184	B5234T4		08.1995->12.1996		250-24135	
2.3 Turbo R	LS	177	B5234T5		06.1995->08.1995		250-24135	
2.5	LS	103	B5254FS	Leaded Fuel	06.1991->07.1994		250-24135	
	LS	103	B5254FS	Lead Free Fuel, To Ch. No. 70018	06.1991->07.1994		250-24192	
	LS	103	B5254FS	Lead Free Fuel, Fr. Ch. No. 70019	06.1991->07.1994		250-24178	
	LS	106	B5252FS	Leaded Fuel	09.1996->12.1996		250-24135	
	LS	106	B5252FS	Lead Free Fuel, To Ch. No. 70018	08.1994->12.1996		250-24192	
	LS	106	B5252FS	Lead Free Fuel, Fr. Ch. No. 70019	08.1994->09.1996		250-24178	
	LS	125	B5254FS	Leaded Fuel	09.1996->12.1996		250-24135	
2.5	LS	125	B5254FS	Lead Free Fuel, To Ch. No. 70018	08.1991->12.1996		250-24192	
	LS	125	B5254FS	Lead Free Fuel, Fr. Ch. No. 70019	08.1991->09.1996		250-24178	
	LS	125	B5254FS		08.1991->12.1996		250-24192	
	LS	125	B5254FS		08.1991->09.1996		250-24178	
	LS	125	B5254FS		08.1991->12.1996		250-24048	
850 ESTATE								
2.0	LW	93	B5202FS	Leaded Fuel	09.1996->12.1996		250-24135	
	LW	93	B5202FS	Lead Free Fuel, To Ch. No. 70018	08.1994->09.1996		250-24178	
	LW	93	B5202FS	Lead Free Fuel, Fr. Ch. No. 70019	08.1994->12.1996		250-24192	
	LW	105	B5204FS	Leaded Fuel	09.1996->12.1996		250-24135	
	LW	105	B5204FS	Lead Free Fuel, To Ch. No. 70018	02.1993->09.1996		250-24178	
	LW	105	B5204FS	Lead Free Fuel, Fr. Ch. No. 70019	02.1993->12.1996		250-24192	
	LW	155	B5204T2		01.1994->12.1996		250-24135	250-24133
2.0 Turbo	LW	155	B5204T2		01.1994->12.1996		250-24135	250-24133
2.3 T5	LW	166	B5234FT		01.1994->12.1996		250-24135	250-24133



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLVO (cont'd)								
850 ESTATE (cont'd)								
2.3 T5-R	LW	184	B5234T4		08.1995->12.1996		250-24135	
2.3 Turbo R	LW	177	B5234T5	Leaded Fuel	06.1995->08.1995		250-24135	250-24133
2.5	LW	103	B5254FS	Lead Free Fuel, To Ch. No. 70018	08.1992->09.1996		250-24192	
	LW	103	B5254FS	Lead Free Fuel, Fr. Ch. No. 70019	08.1992->09.1996		250-24178	
	LW	103	B5254FS	Leaded Fuel	09.1996->12.1996		250-24135	
	LW	106	B5252FS	Lead Free Fuel, To Ch. No. 70018	08.1994->09.1996		250-24192	
	LW	106	B5252FS	Lead Free Fuel, Fr. Ch. No. 70019	08.1994->09.1996		250-24178	
	LW	106	B5252FS	Leaded Fuel	09.1996->12.1996		250-24135	
	LW	125	B5254FS	Lead Free Fuel, To Ch. No. 70018	12.1992->12.1996		250-24192	
	LW	125	B5254FS	Lead Free Fuel, Fr. Ch. No. 70019	09.1992->09.1996		250-24178	
	LW	125	B5254FS		09.1996->12.1996		250-24135	
2.5 AWD	LW	142	B5254T		06.1996->12.1996		250-24135	250-24133
940								
2.0	944	82	B200F		01.1992->09.1993		250-23033	
	944	82	B200F		09.1993->07.1994		250-23070	
2.0 Turbo	944	114	B200FT		08.1990->09.1993		250-23019	
	944	114	B200FT		09.1993->08.1994		250-23080	
2.3	944	85	B230FD		08.1993->09.1993		250-23069	
	944	85	B230FD		09.1993->07.1994		250-23070	
	944	96	B230FB		09.1990->09.1993		250-23033	
	944	96	B230FB		09.1993->12.1994		250-23070	
	944	114	B234F		09.1990->07.1991		250-23033	
2.3 Turbo	944	121	B230FT		09.1990->09.1993		250-23019	
	944	121	B230FT		09.1993->07.1994		250-23080	
	944	140	B230FT+		08.1991->07.1993		250-23019	
940 ESTATE								
2.0	945	82	B200F		01.1992->09.1993		250-23033	
	945	82	B200F		09.1993->07.1994		250-23070	
2.0 Turbo	945	114	B204FT		01.1991->09.1993		250-23019	
	945	114	B204FT		09.1993->08.1994		250-23080	
2.3	945	85	B230FD		08.1993->09.1993		250-23069	
	945	85	B230FD		09.1993->07.1994		250-23070	
	945	96	B230FB		09.1990->09.1993		250-23033	
	945	96	B230FB		09.1993->12.1994		250-23070	
	945	114	B234F		09.1990->07.1991		250-23033	
2.3 Turbo	945	121	B230FT		09.1990->09.1993		250-23019	
	945	121	B230FT		09.1993->08.1996		250-23080	
	945	140	B234F		08.1991->06.1993		250-23033	
940 II								
2.0 Turbo	944	114	B200FT		04.1996->07.1997		250-23080	
2.3	944	85,96	B230FD/DFB		08.1994->07.1995		250-23070	
2.3 ti	944	99	B230FK		01.1995->06.1998		250-23080	
2.3 Turbo	944	121	B230FT		08.1990->09.1993		250-23019	
	944	121	B230FT		09.1993->06.1998		250-23080	
940 II ESTATE								
2.0 Turbo	945	114	B200FT		04.1996->06.1998		250-23080	
2.3	945	85	B230FD		08.1994->07.1995		250-23070	
	945	96	B230FK, B230GK		09.1994->06.1998		250-23080	
2.3 ti	945	99	B230FK		01.1995->06.1998		250-23080	
2.3 Turbo	945	121	B230FT		08.1994->07.1997		250-23080	
	945	126	B230FT		08.1990->09.1993		250-23019	
	945	126	B230FT		09.1993->06.1998		250-23080	
960								
2.0	964	103	B204E		09.1991->08.1993		250-23048	
	964	140	B204FT		09.1990->09.1993		250-23019	
2.9	964	150	B6304F		09.1990->07.1994		250-23033	
960 ESTATE								
2.0	965	103	B204E		09.1991->08.1993		250-23048	
	965	140	B204FT		09.1990->09.1993		250-23019	
2.9	965	150	B6304F		09.1990->08.1994		250-23033	
	965	150	B6304F		09.1994->01.1997		250-24177	250-24385
960 II								
2.5	964	125	B6254F		09.1994->12.1996		250-24177	250-24385
2.9	964	150	B6304F		09.1990->09.1994		250-23033	
	964	150	B6304F		09.1994->01.1997		250-24177	250-24385
960 II ESTATE								
2.5	965	125	B6254F		09.1994->12.1996		250-24177	250-24385
2.9	965	150	B6304F		09.1990->08.1994		250-23033	
	965	150	B6304F		09.1994->01.1997		250-24177	250-24385



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLVO (cont'd)								
C30								
1.6		74	B4164S3		10.2006->up		250-24701	250-24793
1.8		92	B4184S11		10.2006->up		250-24701	
1.8 FlexFuel		92	B4184S8		01.2007->up		250-24701	
2.0		107	B4204S3		10.2006->up		250-24701	
2.4i		125	B5244S4		10.2006->up		250-54026	250-24455
D5		120	D5244T9		10.2006->up			800-95003
		132	D5244T8		10.2006->up			800-95003
T5		162	B5254T3		10.2006->03.2007		250-25079	250-24409
C30								
1.8		92			10.2006->12.2012			250-24976
1.8 FlexFuel		92			01.2007->12.2012			250-24976
2.0		107			10.2006->12.2012			250-24976
C70 I CABRIOLET								
2.0		132	B5204T2		03.1997->09.1998		250-24135	250-24133
2.0 T		120	B5204T4		04.2001->10.2005		250-25006	250-24409
		166	B5204T3		09.1998->09.1999		250-25005	250-24409
		166	B5204T3		09.1999->02.2001		250-25006	250-24409
2.3 T5		180	B5234T3-E2		07.2002->10.2005		250-25006	250-24409
		180	B5234T9		01.2003->10.2005		250-25006	250-24409
		176	B5234T3	Leaded Fuel	03.1998->09.1998		250-24135	
		176	B5234T3		09.1998->09.1999		250-25005	250-24133
		176	B5234T3		09.1999->06.2002		250-25006	250-24409
2.4 T		147	B5244T7		10.2002->10.2005		250-25006	250-24409
2.5		125	B5244S		04.1999->12.1999		250-54010	250-24408
2.5 T		142	B5254T		03.1998->09.1998		250-24135	250-24133
		142	B5254T,B5244T		09.1998->09.1999		250-25005	250-24409
		142	B5254T,B5244T		09.1999->09.2002		250-25006	250-24409
C70 I COUPE								
2.0		132	B5204T2		03.1997->09.1998		250-24135	250-24133
		132	B5204T2		09.1998->09.1998		250-25005	250-24409
2.0 T		120	B5204T4-E2		04.2001->10.2005		250-25006	250-24409
		166	B5204T3		03.1997->09.1998		250-24135	250-24133
		166	B5204T3		09.1998->09.1999		250-25005	250-24409
		166	B5204T3		09.1999->02.2001		250-25006	250-24409
2.3 T-5		176	B5234T3		03.1997->09.1998		250-24135	250-24133
		176	B5234T3		09.1998->09.1999		250-25005	250-24409
		176	B5234T3		09.1999->09.2002		250-25006	250-24409
2.5		121	B5244S		04.1999->03.2000		250-54010	250-24408
		125	B5244S,B5254S		05.1999->09.2000		250-54010	250-24408
		125	B5254S		09.2000->02.2001		250-54009	250-24408
2.5 T		142	B5254T		03.1997->09.1998		250-24135	250-24133
		142	B5254T		09.1998->09.1999		250-25005	250-24409
		142	B5254T		09.1999->09.2002		250-25006	250-24409
C70 II CABRIOLET								
2.4i		125	B5244S4		03.2006->up		250-54026	250-24455
D5		132	D5244T8,D5244T13		03.2006->up			800-95003
T5		162	B5254T3		03.2006->up		250-25079	250-24409
		169	B5254T7		05.2007->up		250-25079	250-24409
S40 I								
1.6	VS	77	B4164S,S-D3		01.1997->08.1999		250-24526	
	VS	80	B4164S2	To Ch. No. 800053	03.1999->12.2003		250-24535	250-24541
	VS	80	B4164S2	Fr. Ch. No. 800054	03.1999->12.2003		250-24778	250-24541
1.8	VS	85	B4184S3,B4184S		10.1995->08.1999		250-24526	
	VS	85	B4184S3,B4184S	To Ch. No. 800053	01.2001->03.2004		250-24535	250-24541
	VS	85	B4184S3,B4184S	Fr. Ch. No. 800054	01.2001->03.2004		250-24778	250-24541
	VS	90	B4184S2		10.1995->08.1999		250-24526	
	VS	90	B4184S2	To Ch. No. 800053	01.2001->12.2003		250-24535	250-24541
	VS	90	B4184S2	Fr. Ch. No. 800054	01.2001->12.2003		250-24778	250-24541
1.8i	VS	90	B4184S9	To Ch. No. 800053	06.2001->12.2003		250-24535	250-24541
	VS	90	B4184S9	Fr. Ch. No. 800054	06.2001->12.2003		250-24778	250-24541
	VS	92	B4184SM		03.1998->12.2003		250-24230	
1.9 T4	VS	147	B4194T,B4194T2	To Ch. No. 168208	05.1997->07.2000		250-24543	250-24965
	VS	147	B4194T,B4194T2	Fr. Ch. No. 168209	05.1997->07.2000		250-24543	250-24542
2.0	VS	100	B4204S2	To Ch. No. 800053	04.1999->12.2003		250-24535	250-24541
	VS	100	B4204S2	Fr. Ch. No. 800054	04.1999->12.2003		250-24778	250-24541
	VS	103	B4204S		12.1995->08.1999		250-24526	
2.0 T	VS	118	B4204T	To Ch. No. 168208	11.1997->07.2000		250-24543	250-24965
	VS	118	B4204T	Fr. Ch. No. 168209	11.1997->07.2000		250-24543	250-24542
	VS	120	B4204T5		06.2001->12.2003		250-24428	
2.0 T4	VS	147	B4204T5		07.2000->09.2000		250-24543	
	VS	147	B4204T5		09.2000->12.2003		250-24428	250-24790



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLVO (cont'd)								
S40 II								
1.6	MS	74	B4164S3		01.2005->up		250-54026	250-24455
1.8	MS	92	B4184S11		04.2004->up		250-54026	250-24976
1.8 FlexFuel	MS	92	B4184S8		01.2006->up		250-54026	250-24976
2.0	MS	107			10.2006->up			250-24976
2.4	MS	103	B5244S5		03.2004->up		250-54026	250-24455
	MS	125	B5244S4		03.2004->up		250-54026	250-24455
T5	MS	162	B5254T3		03.2004->up		250-25079	250-24409
T5 AWD	MS	162	B5254T3		04.2004->up		250-25079	250-24409
S60								
2.0 T		132	B5204T5		09.2001->up		250-25006	250-24409
2.4		103	B5244S2	Euro 4 (D4)	08.2000->09.2002		250-54009	250-24455
		103	B5244S2		09.2002->03.2003		250-54028	250-24482
		125	B5244S	Euro 4 (D4)	11.2000->09.2002		250-54009	250-24455
		125	B5244S		11.2000->09.2001		250-54026	250-24408
		125	B5244S		09.2001->09.2003		250-54026	250-24482
2.4 Bifuel		103	B5244SG,B5244SG2		06.2002->09.2003		250-54009	250-24482
2.4 T		147	B5244T3		11.2000->01.2003		250-25006	250-24409
2.4 T AWD		147	B5244T3		11.2001->01.2003		250-25006	250-24409
2.4 T5		191	B5244T5		04.2004->up		250-25006	250-24409
2.5 T		154	B5254T2		02.2004->09.2004		250-25006	250-24748
		154	B5254T2		09.2004->up		250-25006	250-24409
2.5 T AWD		154	B5254T2		04.2004->09.2004		250-25006	250-24748
		154	B5254T2		09.2004->up		250-25006	250-24409
R 2.5 T AWD		221	B5254T4		03.2003->09.2004		250-25006	250-24748
		221	B5254T4		09.2004->04.2007		250-25006	250-24409
T5		184	B5234T3		11.2000->09.2001		250-25006	250-24409
		184	B5234T3		09.2001->09.2004		250-25006	250-24455
		184	B5234T7-E2	770 mm Diagnostic length	11.2000->12.2004		250-25006	250-24409
		184	B5234T7-E2	475 mm Diagnostic length	11.2000->12.2004		250-25006	250-24455
S60 II								
2.0 T		149	B4204T6		04.2010->up			250-24976
T3		110	B4164T3		04.2010->up			250-24976
T4		132	B4164T3		04.2010->up			250-24976
T5		177	B4204T7		04.2010->up			250-24976
S70								
2.0	P80_	93	B5202FS		12.1996->09.1998		250-24135	
	P80_	93	B5202FS		09.1998->04.1999		250-54010	
	P80_	105	B5204S		01.1997->07.1998		250-24135	250-24177
	P80_	120	B5204T4		07.1998->09.1998		250-24135	250-24133
	P80_	120	B5204T4		09.1998->09.1999		250-25005	250-24409
	P80_	120	B5204T4		09.1999->11.2000		250-25006	250-24409
	P80_	132	B5204T2		01.1997->06.1998		250-24135	250-24133
2.0 Turbo	P80_	155	B5204T		01.1997->07.1998		250-24135	250-24133
	P80_	166	B5204T3		12.1996->09.1998		250-24135	250-24133
	P80_	166	B5204T3		09.1998->09.1999		250-25005	250-24409
	P80_	166	B5204T3		07.1998->11.2000		250-25006	250-24409
2.3 T-5	P80_	176	B5234T3		01.1997->09.1998		250-24135	250-24133
	P80_	176	B5234T3		09.1998->09.1999		250-25005	250-24409
	P80_	176	B5234T3		09.1999->11.2000		250-25006	250-24409
2.3 Turbo	P80_	184	B5234T3,T4		05.1997->09.1998		250-24135	250-24133
	P80_	184	B5234T3		09.1998->09.1999		250-25005	250-24409
	P80_	184	B5234T3		09.1999->11.2000		250-25006	250-24409
2.4	P80_	103	B5244S2		08.1999->09.2000		250-54010	250-24408
	P80_	103	B5244S2		09.2000->11.2000		250-54009	250-24408
	P80_	125	B5244S		05.1999->09.2000		250-54010	250-24408
	P80_	125	B5244S		09.2000->11.2000		250-54009	250-24408
2.4 AWD	P80_	125	B5244S		05.1999->09.2000		250-54010	250-24408
2.4 Turbo	P80_	142	B5254T,B5254FS		01.1997->09.1998		250-24135	250-24133
	P80_	142	B5254T,B5244T		09.1998->09.1999		250-25005	250-24409
	P80_	142	B5244T		09.1999->11.2000		250-25006	250-24409
2.5	P80_	106	B5252FS		01.1997->04.1999		250-24814	
	P80_	121	B5254FS,B5254S		06.1998->09.1998		250-24135	250-24408
	P80_	121	B5254S		09.1998->04.1999		250-54010	250-24408
2.5 Bifuel	P80_	106	B5252FS,GB5252S2		10.1998->04.1999		250-24814	
	P80_	106	GB5252S		10.1998->04.1999		250-54010	
	P80_	103	B5244SG2		07.1999->09.2000		250-54010	250-24408
	P80_	103	B5244SG2		09.2000->11.2000		250-54009	250-24408
S80								
2.0	TS, XY	120	B5204T4		09.1999->12.2000		250-25006	250-24409
2.0 T	TS, XY	132	B5204T5		12.1999->02.2006		250-25006	250-24409
	TS, XY	166	B5204T3		09.1999->12.2000		250-25006	250-24409
2.4	TS, XY	103	B5244S		01.1999->09.1999		250-54010	250-24408



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLVO (cont'd)								
S80 (cont'd)								
2.4	TS, XY	103	B5244S		09.2000->09.2002		250-54009	250-24408
	TS, XY	103	B5244S	Euro 4 (D4)	09.2002->02.2006		250-54026	250-24455
2.4 T	TS, XY	125	B5244S2		01.1999->09.1999		250-54010	250-24408
	TS, XY	125	B5244S2		09.2000->09.2002		250-54009	250-24455
2.4 Bifuel	TS, XY	125	B5244S2	Euro 4 (D4)	09.2002->02.2006		250-54028	
	TS, XY	103	B5244SG,SG2		09.2001->02.2006		250-54009	250-24482
2.4 T	TS, XY	147	B5244T3		08.2000->12.2003		250-25006	250-24409
2.5 T	TS, XY	154	B5254T2		07.2003->09.2004		250-25006	250-24748
	TS, XY	154	B5254T2		09.2004->02.2006		250-25006	250-24409
2.5 T AWD	TS, XY	154	B5254T2		07.2003->09.2004		250-25006	250-24748
	TS, XY	154	B5254T2		09.2004->02.2006		250-25006	250-24409
2.8 T6	TS, XY	200	B6284T		06.1998->09.2001	Left	250-25009	250-24410
	TS, XY	200	B6284T		06.1998->09.2001	Right	250-25009	250-24410
	TS, XY	200	B6284T		09.2001->12.2001	Left	250-25011	250-24353
	TS, XY	200	B6284T		09.2001->12.2001	Right	250-25006	250-24409
2.9	TS, XY	147	B6294S		08.1999->07.2001	Left	250-25009	●250-24353
	TS, XY	147	B6294S		08.1999->07.2001	Right	250-25011	
	TS, XY	150	B6304S3		06.1998->09.1999	Left	250-25009	250-24410
	TS, XY	150	B6304S3		06.1998->09.1999	Right	250-25009	250-24410
	TS, XY	150	B6304S3		09.1999->12.1999	Left	250-25009	250-24410
	TS, XY	150	B6304S3		09.1999->12.1999	Right	250-25011	250-24410
3.0	TS, XY	144	B6294S2		06.2001->09.2001	Left	250-25009	●250-24353
	TS, XY	144	B6294S2		06.2001->09.2001	Right	250-25011	
	TS, XY	144	B6294S2		09.2001->09.2002	Left	250-25009	250-24353
	TS, XY	144	B6294S2		09.2001->09.2002	Right	250-25006	250-24409
	TS, XY	144	B6294S2		09.2002->05.2005	Left	250-25009	250-24409
	TS, XY	144	B6294S2		09.2002->05.2005	Right	250-25006	250-24409
3.0 T6	TS, XY	200	B6294T		06.2001->09.2001	Left	250-25009	250-24353
	TS, XY	200	B6294T		06.2001->09.2001	Right	250-25009	250-24409
	TS, XY	200	B6294T		09.2001->02.2006	Left	250-25011	250-24409
	TS, XY	200	B6294T		09.2001->02.2006	Right	250-25006	250-24409
S80 II								
2.0	AS	107	B4204S3		01.2008->up			250-24976
2.0i Flexifuel 16V		104			10.2007->05.2010			250-24976
2.4 D		120	D5244T,D5244T5		03.2006->up			800-95003
2.5 T		147	B5254T6		03.2006->up		250-25079	
		175	B6324S		03.2006->up	Left	250-54043	250-24455
3.2		175	B6324S		03.2006->up	Right	250-54043	250-24455
		175	B6324S		01.2007->up	Left	250-54043	250-24455
3.2 AWD		175	B6324S		01.2007->up	Right	250-54043	250-24455
4.4 V8 AWD		232	B8444S	To Ch. No. 35287	03.2006->up	Left	250-54026	250-24455
		232	B8444S	To Ch. No. 35287	03.2006->up	Right	250-54077	250-24482
		232	B8444S	Fr. Ch. No. 35288	03.2006->up	Left	250-54077	250-24455
		232	B8444S	Fr. Ch. No. 35288	03.2006->up	Right	250-54077	250-24482
D5		136	D5244T4		03.2006->up			800-95003
D5 AWD		136	D5244T4		01.2008->up			800-95003
S90								
2.9		132	B6304S2		01.1997->05.1998		250-24177	250-24385
		150	B6304S1,S2		01.1997->05.1998		250-24177	250-24385
V40 ESTATE								
1.6	VW	77	B4164S,S-D3		05.1997->08.1999		250-24526	
	VW	80	B4164S2	To Ch. No. 800053	04.1999->06.2004		250-24535	250-24541
	VW	80	B4164S2	Fr. Ch. No. 800054	03.1999->03.2004		250-24778	250-24541
1.8	VW	85	B4184S3,B4184S		10.1995->08.1999		250-24526	
	VW	85	B4184S3,B4184S	To Ch. No. 800053	04.1999->03.2004		250-24535	250-24541
	VW	85	B4184S3,B4184S	Fr. Ch. No. 800054	04.1999->03.2004		250-24778	250-24541
	VW	90	B4184S2	To Ch. No. 800053	04.1999->03.2004		250-24535	250-24541
	VW	90	B4184S2,B4184S9	Fr. Ch. No. 800054	03.1999->03.2004		250-24778	250-24541
1.8i	VW	92	B4184SM		03.1998->06.2004		250-24230	
1.9 T4	VW	147	B4194T,B4194T2	To Ch. No. 168208	05.1997->07.2000		250-24543	250-24965
	VW	147	B4194T,B4194T2	Fr. Ch. No. 168209	05.1997->07.2000		250-24543	250-24542
2.0	VW	100	B4204S2	To Ch. No. 800053	04.1999->06.2004		250-24535	250-24541
	VW	100	B4204S2	Fr. Ch. No. 800054	07.1995->03.2004		250-24778	250-24541
	VW	103	B4204S		12.1995->08.1999		250-24526	
2.0 T	VW	118	B4204T	To Ch. No. 168208	11.1997->07.2000		250-24543	250-24965
	VW	118	B4204T	Fr. Ch. No. 168209	11.1997->07.2000		250-24543	250-24542
	VW	120	B4204T3		06.2001->03.2004		250-24428	
	VW	121	B4204T3	Fr. Ch. No. 168209	07.1999->09.2000		250-24543	250-24542
	VW	121	B4204T3	To Ch. No. 168208	07.1999->09.2000		250-24543	250-24965
	VW	121	B4204T3		09.2000->06.2001		250-24428	250-24542
2.0 T4	VW	147	B4194T	Fr. Ch. No. 168209,773029	07.2000->09.2000		250-24543	250-24542
	VW	147	B4194T	To Ch. No. 168208,773028	07.2000->09.2000		250-24543	250-24965
	VW	147	B4194T		09.2000->03.2004		250-24428	250-24790



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLVO (cont'd)								
V40 KOMBI								
1.9 T4	VW	147	B 4194 T.B 4194 T2	To Ch. 168208	05.1997->07.2000			250-24965
2.0 T	VW	118		To Ch. 168208	10.1997->07.2000			250-24965
	VW	121	B 4204 T3	To Ch. 168208, To Con. 09.2000	07.1999->06.2004			250-24965
V50								
1.6	MW	74	B4164S3		01.2005->04.2007		250-54026	250-24455
1.8	MW	92	B4184S11		05.2004->up		250-54026	250-24455
2.0	MW	107	B4204S3		10.2006->up		250-54026	250-24455
2.4	MW	103	B5244S5		04.2004->up		250-54026	250-24455
	MW	125	B5244S		04.2004->up		250-54026	250-24455
T5	MW	162	B5254T3		04.2004->12.2005		250-25079	250-24409
T5 AWD	MW	162	B5254T3		05.2004->12.2005		250-25079	250-24409
V60								
T3		110	B4164T3		09.2010->up			250-24976
T4		132	B4164T3		09.2010->up			250-24976
T5		177	B4204T7		09.2010->up			250-24976
V70 I ESTATE								
2.0	P80_	93	B5202FS		05.1997->06.1998		250-24814	
	P80_	105			01.1997->07.1998			250-24177
	P80_	120	B5204T4		05.1997->06.1998		250-24135	250-24133
	P80_	132	B5204T2		05.1997->06.1998		250-24135	250-24133
2.0 Turbo	P80_	155	B5204T	To Ch. No. 342000	01.1997->07.1998		250-24135	250-24177
	P80_	155	B5204T	Fr. Ch. No. 342001	01.1997->07.1998		250-24135	250-24133
	P80_	155	B5204T		08.1998->07.1999		250-25005	250-24409
	P80_	155	B5204T		08.1999->03.2000		250-25006	250-24409
	P80_	166	B5204T3		05.1997->06.1998		250-24135	250-24133
2.0 Turbo AWD	P80_	166	B5204T3		05.1997->06.1998		250-24135	250-24133
2.3 T AWD	P80_	184	B5234T3,T4		05.1997->06.1998		250-24135	250-24133
2.3 T-5	P80_	176	B5234T3,T4,T6		05.1997->06.1998		250-24135	250-24133
2.3 T-5 AWD	P80_	176	B5234T3		05.1997->06.1998		250-24135	250-24133
2.3 Turbo	P80_	184	B5234T3,T4,T7-E6		05.1997->06.1998		250-24135	250-24133
2.4	P80_	103	B5244SG2,B5244S2		08.1999->09.1999		250-54010	250-24408
	P80_	125	B5254FS		01.1997->09.1998		250-24135	
	P80_	125	B5254FS		09.1998->12.1999		250-54010	250-24408
2.4 Bifuel	P80_	103	B5244SG2		08.1999->09.1999		250-54010	250-24408
2.4 Turbo	P80_	142	B5254T		01.1997->09.1998		250-24135	250-24133
	P80_	142	B5254T,B5244T		09.1999->03.2000		250-25006	250-24409
2.5	P80_	106	B5252FS		01.1997->12.1999		250-24814	
	P80_	121	B5254FS		06.1998->09.1998		250-24135	
	P80_	121	B5254FS		09.1998->12.1999		250-54010	250-24408
2.5 AWD	P80_	195			03.1999->07.1999		250-25005	250-24409
	P80_	195			08.1999->03.2000		250-25006	250-24409
2.5 Bifuel	P80_	106	B5252FS,GB5252S		10.1998->08.1999		250-24814	
2.5 Turbo AWD	P80_	142	B5254T		01.1997->09.1998		250-24135	250-24133
	P80_	142	B5254T		09.1998->03.2000		250-25005	250-24409
V70 II ESTATE								
2.0 T	P80_	132	B5204T5		07.2001->04.2007		250-25006	250-24409
2.3 T5	P80_	184	B5234T3		03.2000->03.2005		250-25006	250-24409
	P80_	184	B5234T7		11.2000->09.2002		250-25006	250-24409
	P80_	184	B5234T7		09.2002->09.2004		250-25006	250-24748
	P80_	184	B5234T7		09.2004->03.2005		250-25006	250-24409
2.4	P80_	103	B5244S2		01.2001->09.2002		250-54009	250-24408
	P80_	103	B5244S2	Euro 4 (D4)	09.2002->04.2007		250-54026	250-24455
	P80_	103	B5244S2		09.2002->04.2007		250-54026	250-24482
	P80_	125	B5244S		01.2001->09.2002		250-54009	250-24408
	P80_	125	B5244S	Euro 4 (D4)	09.2002->04.2007		250-54028	250-24455
	P80_	125	B5244S		09.2002->04.2007		250-54028	250-24482
2.4 Bifuel	P80_	103	B5244SG		09.2001->04.2007		250-54009	250-24482
	P80_	103	B5244SG2		09.2001->12.2005		250-54009	250-24482
2.4 T	P80_	147	B5244T3		03.2000->03.2005		250-25006	250-24409
	P80_	147	B5244T4		12.2004->10.2005		250-25006	250-24409
2.4 T AWD	P80_	147	B5244T3		09.2001->03.2005		250-25006	250-24409
2.4 T5	P80_	191	B5244T5		04.2004->04.2007		250-25006	250-24409
2.5 T	P80_	154	B5254T2		04.2004->09.2004		250-25006	250-24409
2.5 T AWD	P80_	154	B5254T2		09.2002->09.2004		250-25006	250-24748
	P80_	154	B5254T2		09.2004->04.2007		250-25006	250-24409
R 2.5 T AWD	P80_	221	B5254T4		03.2003->09.2004		250-25006	250-24748
	P80_	221	B5254T4		09.2004->04.2007		250-25006	250-24409
V70 II KOMBI								
2.4 D	P80_	93	D5244T7		11.2005->03.2007			800-95016
2.4 D5	P80_	120	D5244T		08.2001->04.2007			800-95016
	P80_	136	D5244T4		12.2005->04.2007			800-95016
2.4 D5 AWD	P80_	136	D5244T4		12.2005->04.2007			800-95016



Make Model	Body	Kw	Engine Design	Application Identification	Date	Bank	Regulating	Diagnostic
VOLVO (cont'd)								
V70 III ESTATE								
2.5 T		147	B5254T6		08.2007->up		250-25079	
2.5 T FlexiFuel		147	B5254T8		05.2008->up		250-25079	
3.0 T6 AWD		210	B6304T2		08.2007->up		250-54043	250-24455
3.2		175	B6324S		08.2007->up	Left	250-54043	250-24455
		175	B6324S		08.2007->up	Right	250-54043	250-24455
3.2 AWD		175	B6324S		08.2007->up	Left	250-54043	250-24455
		175	B6324S		08.2007->up	Right	250-54043	250-24455
V70 III KOMBI								
2.4 D		120	D5244T5		08.2007->up			800-95003
2.4 D5		136	D5244T4		08.2007->up			800-95003
2.4 D5 AWD		136	D5244T4		10.2007->up			800-95003
V90 ESTATE								
2.9		132	B6304S2		01.1997->05.1998		250-24177	250-24385
		150	B6304S1,S2		01.1997->05.1998		250-24177	250-24385
XC60								
2.4 D AWD		120	D5244T16,D5244T5		05.2008->up			800-95003
D5 AWD		136	D5244T4		05.2008->up			800-95003
T6 AWD		210	B6304T2		07.2008->up		250-54043	250-24455
XC70 CROSS COUNTRY								
2.4 D5 AWD		136	D5244T4		12.2005->03.2007			800-95016
2.4 D5 XC AWD		120	D5244T		03.2007->up			800-95003
2.4 T XC AWD		147	B5244T3,B5244T4		09.2000->09.2002		250-25006	250-24409
2.5 T XC AWD		154	B5254T2		09.2002->09.2004		250-25006	250-24748
		154	B5254T2		09.2004->03.2007		250-25006	250-24409
XC70 II								
2.4 D5 AWD		136	D5244T4		08.2007->up			800-95003
3.2 AWD		175	B6324S		08.2007->up		250-54043	250-24455
XC 90								
2.5 T		154	B5254T2		10.2002->09.2004		250-25006	250-24748
		154	B5254T2		09.2004->09.2007		250-25006	250-24409
T6		200	B6294T		10.2002->09.2007	Left	250-25011	●250-24409
		200	B6294T		10.2002->09.2007	Right	250-25006	
ZASTAVA								
YUGO								
1.3 65 EFI	145 A	48	13E1.064		08.1991->12.1993			250-23032
YUGO FLORIDA								
1.3	103 A	50	13E.3.064		03.1991->12.1993			250-23032





Walker

Walker

Walker



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
ALFA ROMEO			AUDI (cont'd)			AUDI (cont'd)		
46434552	250-24000	No Univ.	022 906 265	250-25008	No Univ.	06F 906 262 D	250-24717	No Univ.
46444284	250-24119	No Univ.	022 906 265 A	250-25004	No Univ.	06F 906 262 E	250-24717	No Univ.
46455518	250-24530	No Univ.	022 906 265 C	250-24494	No Univ.	06F 906 262 F	250-25078	No Univ.
46523497	250-24530	No Univ.	030 906 262 L	250-24432	No Univ.	06F 906 262 H	250-25033	No Univ.
46750241	250-24705	No Univ.	030 906 265 AD	250-24719	No Univ.	06F 906 262 J	250-25077	No Univ.
46750243	250-24695	No Univ.	030 906 265 BH	250-24719	No Univ.	06F 906 262 P	250-24699	No Univ.
46751082	250-24564	No Univ.	032 906 265	250-24555	No Univ.	06F 906 262 S	250-24717	No Univ.
46760863	250-24696	No Univ.	034 906 265 F	250-23048	No Univ.	06F 906 262 T	250-24717	No Univ.
46762182	250-24564	No Univ.	035 906 265 B	250-21011	250-21000	06F 906 265	250-24762	No Univ.
46762653	250-24695	No Univ.	036 906 262 D	250-24569	No Univ.	06H 906 262 A	250-24955	No Univ.
46764207	250-241060	No Univ.	036 906 262 P	250-24699	No Univ.	06H 906 265 A	250-25052	No Univ.
46786048	250-24705	No Univ.	036 906 265 H	250-241002	No Univ.	06J 906 262 AA	250-25035	No Univ.
46805749	250-24696	No Univ.	03C 906 262 A	250-25034	No Univ.	06J 906 262 A	250-24755	No Univ.
46805750	250-24311	No Univ.	03C 906 262 B	250-25002	No Univ.	06J 906 262 J	250-24671	No Univ.
46811311	250-25005	No Univ.	03C 906 262 A	250-25040	No Univ.	06J 906 262 K	250-24699	No Univ.
50202582	250-25049	No Univ.	03C 906 262 T	250-241054	No Univ.	06J 906 262 M	250-25049	No Univ.
55188205	800-95004	No Univ.	03F 906 262	250-25092	No Univ.	06K 906 262 D	250-24672	No Univ.
55198785	250-25038	No Univ.	03G 906 262 B	250-25065	No Univ.	077 906 265	250-23102	No Univ.
55202582	250-25049	No Univ.	03G 906 262 G	250-25037	No Univ.	077 906 265 AA	250-24430	No Univ.
55203922	250-241060	No Univ.	03G 906 262 M	800-95018	No Univ.	077 906 265 AB	250-25008	No Univ.
55204005	250-25049	No Univ.	03L 906 262	800-95016	No Univ.	077 906 265 AC	250-25004	No Univ.
55204058	250-25039	No Univ.	03L906262D	250-25017	No Univ.	077 906 265 AE	250-24494	No Univ.
55204059	250-24695	No Univ.	03L906262E	250-25062	No Univ.	077 906 265 AF	250-24394	No Univ.
55210300	250-24984	No Univ.	047 906 262	250-25007	No Univ.	077 906 265 F	250-23048	No Univ.
55214916	250-25017	No Univ.	048 906 265	250-23032	No Univ.	077 906 265 H	250-24394	No Univ.
55219791	250-241003	No Univ.	04L 906 262 A	250-25017	No Univ.	077 906 265 J	250-24393	No Univ.
55224324	250-241060	No Univ.	053 906 265	250-23154	No Univ.	077 906 265 K	250-24414	No Univ.
60537650	250-23142	No Univ.	057 906 262	800-95002	No Univ.	077 906 265 L	250-24414	No Univ.
60576530	250-23815	250-23881	058 906 265	250-24414	No Univ.	077 906 265 R	250-24414	No Univ.
60578768	250-24132	No Univ.	058 906 265 B	250-24843	250-24883	077 906 265 T	250-24430	No Univ.
60587697	250-24145	No Univ.	059 906 262 E	800-95006	No Univ.	078 906 265 AA	250-24493	No Univ.
60605374	250-23816	250-23881	06A 906 262 A	250-25008	No Univ.	078 906 265 B	250-23028	No Univ.
60812162	250-23106	No Univ.	06A 906 262 AJ	250-24431	No Univ.	078 906 265 D	250-23113	No Univ.
60814386	250-24524	No Univ.	06A 906 262 AK	250-24843	250-24883	078 906 265 M	250-24395	No Univ.
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7555129	250-23154	No Univ.	06A 906 262 AN	250-25004	No Univ.	078 906 265 P	250-24414	No Univ.
7654221	250-23048	No Univ.	06A 906 262 AS	250-24263	No Univ.	078 906 265 Q	250-24414	No Univ.
7785973	250-23106	No Univ.	06A 906 262 AT	250-24495	No Univ.	078 906 265 R	250-24414	No Univ.
AMC			06A 906 262 BA	250-24170	No Univ.	078 906 265 T	250-24493	No Univ.
77 00 708 955	250-21011	250-21000	06A 906 262 BB	250-24432	No Univ.	079 906 262	250-25019	No Univ.
77 00 729 963	250-21011	250-21000	06A 906 262 BD	250-25002	No Univ.	079 906 262 B	250-25039	No Univ.
89 33 000 598	250-21000	No Univ.	06A 906 262 BE	250-25002	No Univ.	079 906 262 E	250-25003	No Univ.
89 53 000 886	250-21000	No Univ.	06A 906 262 BH	250-25003	No Univ.	079 906 262 F	250-25008	No Univ.
89 53 004 243	250-21000	No Univ.	06A 906 262 BR	250-25061	No Univ.	079 906 262 G	250-24717	No Univ.
JO854136	250-21000	No Univ.	06A 906 262 BS	250-24753	No Univ.	079 906 262 H	250-24726	No Univ.
TO708955	250-21000	No Univ.	06A 906 262 P	250-24170	No Univ.	079 906 262 M	250-25039	No Univ.
TO729963	250-21000	No Univ.	06A 906 262 Q	250-24734	No Univ.	079 906 265	250-24671	No Univ.
ASTON MARTIN			06A 906 265 AP	250-24558	No Univ.	079 906 265 A	250-24672	No Univ.
SPD5551	250-24001	250-24400	06A 906 265 E	250-24560	No Univ.	079 906 265 D	250-24671	No Univ.
SPD5552	250-24001	250-24400	06A 906 265 F	250-24558	No Univ.	079 906 265 E	250-24955	No Univ.
XC2F9F472AA	250-24001	250-24400	06A 906 265 P	250-24558	No Univ.	079 906 265 F	250-24954	No Univ.
XR3F9G444BA	250-24001	250-24400	06B 906 265 A	250-24569	No Univ.	07C 906 262 AB	250-25007	No Univ.
AUDI			06B 906 265 B	250-24577	No Univ.	07C 906 262 AC	250-25021	No Univ.
021 906 262	250-24000	No Univ.	06B 906 265 D	250-25004	No Univ.	07C 906 262 AD	250-25020	No Univ.
021 906 262 B	250-25003	No Univ.	06B 906 265 E	250-241051	No Univ.	07C 906 262 AE	250-24493	No Univ.
021 906 265 AC	250-24417	No Univ.	06B 9062 65 B	250-241057	No Univ.	07C 906 262 AF	250-24697	No Univ.
021 906 265 AG	250-24146	No Univ.	06C 906 265	250-24432	No Univ.	07C 906 262 AG	250-24689	No Univ.
021 906 265 AK	250-24147	No Univ.	06C 906 265 A	250-24432	No Univ.	07C 906 262 AH	250-24689	No Univ.
021 906 265 AN	250-25003	No Univ.	06C 906 265 B	250-25003	No Univ.	07C 906 262 AC	250-25020	No Univ.
021 906 265 AQ	250-24417	No Univ.	06C 906 265 C	250-24843	250-24883	07L 906 262 B	250-25032	No Univ.
021 906 265 AG	250-25008	No Univ.	06C 906 265 H	250-25007	No Univ.	07L 906 262 E	250-25030	No Univ.
022 906 262 AD	250-25040	No Univ.	06D 906 265	250-24671	No Univ.	07L 906 262 F	250-25041	No Univ.
022 906 262 AF	250-24954	No Univ.	06E 906 265 D	250-24670	No Univ.	07L 906 262 G	250-25027	No Univ.
022 906 262 AG	250-24699	No Univ.	06E 906 265 E	250-24669	No Univ.	07L 906 262 H	250-25015	No Univ.
022 906 262 BL	250-25037	No Univ.	06E 906 265 F	250-25017	No Univ.	07L 906 262 J	250-25030	No Univ.
022 906 262 BM	250-24699	No Univ.	06E 906 265 K	250-24994	No Univ.	07L 906 262 K	250-25038	No Univ.
022 906 262 BQ	250-24954	No Univ.	06E 906 265 L	250-25064	No Univ.	07L 906 262 L	250-25025	No Univ.
022 906 262 BT	250-24755	No Univ.	06E 906 265 M	250-25058	No Univ.	07L 906 262 M	250-25037	No Univ.
022 906 262 CA	250-25034	No Univ.	06E 906 265 N	250-24953	No Univ.	07L 906 262 P	250-25037	No Univ.
022 906 262 CB	250-24762	No Univ.	06E 906 265 P	250-24669	No Univ.	07L 906 262 R	250-25026	No Univ.
022 906 262 CE	250-24699	No Univ.	06E 906 265 Q	250-24753	No Univ.	07L 906 265 F	250-24692	No Univ.
022 906 262 CF	250-24671	No Univ.	06E 906 265 R	250-25017	No Univ.	07L 906 265 G	250-24699	No Univ.
022 906 262 CG	250-25035	No Univ.	06E 906 265 S	250-25017	No Univ.	07L 906 265 H	250-24955	No Univ.
			06E 906 265 T	250-25017	No Univ.	07L 906 265 J	250-24767	No Univ.
			06F 906 262 A	250-25077	No Univ.	1K0 998 262	250-24689	No Univ.
			06F 906 262 AC	250-25035	No Univ.	1K0 998 262 A	250-24432	No Univ.



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
AUDI (cont'd)			BMW (cont'd)			BMW (cont'd)		
1K0 998 262 AA	250-25028	No Univ.	11 78 1 743 996	250-24125	No Univ.	11 787 576 673	250-25087	No Univ.
1K0 998 262 AD	800-95007	No Univ.	11 78 1 747 005	250-24605	No Univ.	11 787 586 693	250-25046	No Univ.
1K0 998 262 AE	800-95019	No Univ.	11 78 1 747 579	250-24607	No Univ.	11 787 589 121	250-25089	No Univ.
1K0 998 262 B	250-24689	No Univ.	11 78 1 748 762	250-24876	No Univ.	11 787 589 122	250-241027	No Univ.
1K0 998 262 D	250-25008	No Univ.	11 78 3 413 463	250-24411	No Univ.	11 787 589 475	250-24991	No Univ.
1K0 998 262 E	250-24717	No Univ.	11 78 3 413 464	250-24411	No Univ.	11 787 590 713	250-25034	No Univ.
1K0 998 262 F	250-25007	No Univ.	11 78 3 438 782	250-25047	No Univ.	11 787 595 353	250-25087	No Univ.
1K0 998 262 K	250-25040	No Univ.	11 78 7 503 441	250-24411	No Univ.	11 787 596 908	250-25089	No Univ.
1K0 998 262 L	250-25040	No Univ.	11 78 7 506 539	250-24638	No Univ.	11 787 601 911	250-24993	No Univ.
1K0 998 262 M	250-25020	No Univ.	11 78 7 512 002	250-24638	No Univ.	13 62 3 441 868	800-95015	No Univ.
1K0 998 262 N	250-25037	No Univ.	11 78 7 512 567	250-24638	No Univ.	13 62 7 793 825	800-95009	No Univ.
1K0 998 262 P	250-25052	No Univ.	11 78 7 512 973	250-24638	No Univ.	13 62 7 794 634	800-95015	No Univ.
1K0 998 262 Q	250-24432	No Univ.	11 78 7 512 975	250-25002	No Univ.	13 62 7 796 778	250-25046	No Univ.
4L0 906 262 F	250-25017	No Univ.	11 78 7 512 976	250-25002	No Univ.	13 62 7 804 369	800-95008	No Univ.
4L0 906 262 G	250-25081	No Univ.	11 78 7 512 982	250-25003	No Univ.	13 62 78 01 158	250-25035	No Univ.
4L0 906 262 L	250-25081	No Univ.	11 78 7 512 983	250-25002	No Univ.	13 62 77 91 592	250-25042	No Univ.
579 062 62	250-25026	No Univ.	11 78 7 512 985	250-25057	No Univ.	13 62 77 91 600	250-25042	No Univ.
77 906 265	250-23102	No Univ.	11 78 7 513 962	250-24611	No Univ.	13 62 77 93 825	250-25043	No Univ.
BENTLEY			11 78 7 513 963	250-24392	No Univ.	13 62 77 94 634	250-25044	No Univ.
UE 74940	250-24046	No Univ.	11 78 7 516 149	250-25002	No Univ.	13 62 78 01 158	250-25035	No Univ.
UT 10094	250-24163	No Univ.	11 78 7 516 150	250-25003	No Univ.	CHEVROLET		
BMW			11 78 7 518 495	250-24411	No Univ.	10096129	250-23005	No Univ.
11 621 308 361	250-23000	No Univ.	11 78 7 521 705	250-25003	No Univ.	12578576	250-24354	No Univ.
11 621 308 366	250-23034	250-23000	11 78 7 524 530	250-24657	No Univ.	12611127	250-24470	No Univ.
11 621 308 367	250-23034	250-23000	11 78 7 526 262	250-24713	No Univ.	12612430	250-24649	No Univ.
11 76 1 277 565	250-21015	No Univ.	11 78 7 529 980	250-25004	No Univ.	92068286	250-25049	No Univ.
11 78 1 247 235	250-24607	No Univ.	11 78 7 530 282	250-25002	No Univ.	96253546	250-22076	No Univ.
11 78 1 247 406	250-24611	No Univ.	11 78 7 530 283	250-25003	No Univ.	96253547	250-24629	No Univ.
11 78 1 247 475	250-24380	No Univ.	11 78 7 530 735	250-25002	No Univ.	96291099	250-24067	No Univ.
11 78 1 286 638	250-23016	250-23000	11 78 7 530 736	250-25003	No Univ.	96335926	250-22015	No Univ.
11 78 1 310 838	250-23031	250-23000	11 78 7 535 269	250-25044	No Univ.	96335927	250-24012	250-24000
11 78 1 310 860	250-23034	250-23000	11 78 7 537 984	250-25042	No Univ.	96394003	250-24490	250-24200
11 78 1 401 276	250-24000	No Univ.	11 78 7 537 993	250-25042	No Univ.	96394004	250-24490	250-24200
11 78 1 404 696	250-24478	No Univ.	11 78 7 539 123	250-25043	No Univ.	96396530	250-24973	No Univ.
11 78 1 404 697	250-24589	No Univ.	11 78 7 539 124	250-25044	No Univ.	96418965	250-24067	No Univ.
11 78 1 405 324	250-24143	No Univ.	11 78 7 539 125	250-24464	No Univ.	96418970	250-24183	No Univ.
11 78 1 405 325	250-24445	No Univ.	11 78 7 539 126	250-24713	No Univ.	96419955	250-241001	No Univ.
11 78 1 406 621	250-24478	No Univ.	11 78 7 539 137	250-24465	No Univ.	96419956	250-24789	No Univ.
11 78 1 406 622	250-24444	No Univ.	11 78 7 540 166	250-25046	No Univ.	96423429	250-24183	No Univ.
11 78 1 433 071	250-24516	250-24882	11 78 7 540 167	250-25046	No Univ.	96945995	250-24851	No Univ.
11 78 1 433 159	250-24381	No Univ.	11 78 7 540 168	250-25043	No Univ.	96951465	250-24851	No Univ.
11 78 1 433 940	250-24392	No Univ.	11 78 7 544 561	250-25043	No Univ.	96951720	250-24850	No Univ.
11 78 1 437 586	250-24589	No Univ.	11 78 7 544 654	250-24464	No Univ.	CHRYSLER		
11 78 1 702 931	250-24605	No Univ.	11 78 7 544 655	250-24465	No Univ.	05099816AA	250-24469	No Univ.
11 78 1 704 259	250-24380	No Univ.	11 78 7 545 074	250-24713	No Univ.	05099818AA	250-24469	No Univ.
11 78 1 714 772	250-24310	No Univ.	11 78 7 545 075	250-24465	No Univ.	05139021AA	250-24259	No Univ.
11 78 1 714 873	250-24023	No Univ.	11 78 7 545 243	250-24713	No Univ.	05149087AA	800-95010	No Univ.
11 78 1 715 263	250-23031	250-23000	11 78 7 545 244	250-24466	No Univ.	4606133AC	250-24942	No Univ.
11 78 1 716 114	250-24310	No Univ.	11 78 7 557 223	250-25046	No Univ.	4606133AD	250-24942	No Univ.
11 78 1 716 156	250-23034	250-23000	11 78 7 557 758	250-25047	No Univ.	4606133AE	250-24942	No Univ.
11 78 1 720 537	250-24382	No Univ.	11 78 7 558 054	250-25046	No Univ.	4606133AB	250-24943	No Univ.
11 78 1 720 860	250-24024	No Univ.	11 78 7 558 055	250-25018	No Univ.	4606135AB	250-24943	No Univ.
11 78 1 721 125	250-24613	No Univ.	11 78 7 558 073	250-25046	No Univ.	4606555AA	250-24113	No Univ.
11 78 1 727 451	250-24025	No Univ.	11 78 7 558 087	250-25047	No Univ.	4606555AB	250-24265	No Univ.
11 78 1 727 454	250-24035	No Univ.	11 78 7 558 179	250-24464	No Univ.	4606555AC	250-24113	No Univ.
11 78 1 730 005	250-24024	No Univ.	11 78 7 561 407	250-25044	No Univ.	4686154	250-24942	No Univ.
11 78 1 730 007	250-24613	No Univ.	11 78 7 561 409	250-25047	No Univ.	4686154AB	250-24942	No Univ.
11 78 1 730 025	250-24510	250-24882	11 78 7 561 410	250-25044	No Univ.	4686622	250-24081	250-24400
11 78 1 733 628	250-24035	No Univ.	11 78 7 569 930	250-25044	No Univ.	4686932	250-24942	No Univ.
11 78 1 734 393	250-24024	No Univ.	11 78 7 569 968	250-24713	No Univ.	4686932AB	250-24942	No Univ.
11 78 1 734 796	250-24824	No Univ.	11 78 7 570 760	250-25048	No Univ.	4686933	250-24002	No Univ.
11 78 1 735 132	250-24809	250-24882	11 78 7 573 319	250-25046	No Univ.	4686933AB	250-24943	No Univ.
11 78 1 735 499	250-24607	No Univ.	11 78 7 577 666	250-24713	No Univ.	4686935AB	250-24944	No Univ.
11 78 1 735 500	250-24605	No Univ.	11 78 7 577 667	250-24466	No Univ.	4727225	250-24942	No Univ.
11 78 1 735 710	250-24021	No Univ.	11 78 7 832 035	250-24478	No Univ.	4727436AA	250-24314	No Univ.
11 78 1 738 282	250-24801	250-24882	11 78 7 836 394	250-25044	No Univ.	4727436AB	250-24314	No Univ.
11 78 1 739 845	250-24390	No Univ.	11 78 7 836 451	250-24638	No Univ.	5033039AA	250-24942	No Univ.
11 78 1 741 092	250-24607	No Univ.	11 78 7530 287	250-24970	No Univ.	5033081AA	250-24942	No Univ.
11 78 1 741 666	250-24607	No Univ.	11 781 427 884	250-24810	250-24882	5033200AA	250-24345	No Univ.
11 78 1 742 023	250-24381	No Univ.	11 787 530 285	250-241037	No Univ.	5033300AA	250-24251	No Univ.
11 78 1 742 050	250-24611	No Univ.	11 787 530 318	250-241039	No Univ.	5033500AA	250-24253	No Univ.
11 78 1 742 051	250-24125	No Univ.	11 787 537 995	250-241038	No Univ.	5033758AA	250-24113	No Univ.
11 78 1 742 052	250-24125	No Univ.	11 787 539 136	250-24713	No Univ.	5099816AA	250-24469	No Univ.
11 78 1 743 994	250-24445	No Univ.	11 787 570 480	250-24465	No Univ.	5099818AA	250-24469	No Univ.
			11 787 570 481	250-24465	No Univ.	5135667AA	250-25045	No Univ.
			11 787 573 320	250-241053	No Univ.			



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
CHRYSLER (cont'd)			CITROEN (cont'd)			FERRARI (cont'd)		
5139021AA	250-24259	No Univ.	1628 TG	250-24921	No Univ.	162462	250-24144	No Univ.
5149012AA	250-25042	No Univ.	1628 TH	250-24921	No Univ.	FIAT		
5149027AA	800-95009	No Univ.	1628 V4	250-24579	No Univ.	0007707638	250-23032	No Univ.
5149063AA	250-25034	No Univ.	1628 VN	250-24596	No Univ.	0046751082-001	250-24564	No Univ.
5149087AA	800-95010	No Univ.	1918 ER	250-24751	No Univ.	0055219791	250-241003	No Univ.
5269642	250-24943	No Univ.	96229975	250-24841	250-24883	0071747243	250-24862	No Univ.
5269714	250-24074	No Univ.	DACIA			0071768036	250-25033	No Univ.
5269743	250-24945	No Univ.	77 00 103 504	250-24781	No Univ.	0552149160	250-25017	No Univ.
5269866	250-24942	No Univ.	82 00 052 063	250-24568	No Univ.	168078717AA	250-25043	No Univ.
5269868AB	250-24946	No Univ.	DAEWOO			46407316	250-24068	No Univ.
5293037AD	250-24945	No Univ.	1615403517	250-24128	250-24400	46408449	250-24530	No Univ.
5293038AB	250-24942	No Univ.	1615403617	250-24629	No Univ.	46417969	250-24119	No Univ.
56028994AB	250-24680	No Univ.	1625403517	250-241065	No Univ.	46418813	250-24818	No Univ.
56029049AA	250-24253	No Univ.	25162753	250-21001	250-21000	46420612	250-24820	No Univ.
56029050AA	250-24460	No Univ.	25164596	250-21001	250-21000	46422649	250-24000	No Univ.
56029085AA	250-24675	No Univ.	25165116	250-22001	250-22000	46423798	250-24820	No Univ.
MD01125	250-21007	250-21000	25165313	250-24012	250-24000	46424723	250-24119	No Univ.
MD073036	250-21005	250-21000	25312184	250-24012	250-24000	46426389	250-24524	No Univ.
MD073175	250-21005	250-21000	96335925	250-21001	250-21000	46442284	250-24119	No Univ.
MD077621	250-21005	250-21000	96377500	250-22001	250-22000	46447841	250-24524	No Univ.
MD088616	250-21007	250-21000	96253546	250-22076	No Univ.	46449401	250-24553	No Univ.
MD107793	250-21007	250-21000	96253547	250-24629	No Univ.	46452598	250-24119	No Univ.
MD110487	250-21005	250-21000	96276380	250-22076	No Univ.	46460055	250-24190	No Univ.
MD110492	250-21005	250-21000	96291099	250-24067	No Univ.	46481457	250-24721	No Univ.
MD131446	250-22002	250-22000	96335926	250-22015	No Univ.	46481458	250-24531	No Univ.
MD131447	250-22002	250-22000	96335927	250-24012	250-24000	46519513	250-24524	No Univ.
MD135140	250-22002	250-22000	96335928	250-24012	250-24000	46519517	250-241018	No Univ.
MD137224	250-21007	250-21000	96335928	250-24406	250-24000	46521170	250-24531	No Univ.
MD140388	250-21005	250-21000	96394003	250-24490	250-24200	46523129	250-24524	No Univ.
MD148687	250-22002	250-22000	96394004	250-24490	250-24200	46523499	250-24588	No Univ.
MD154365	250-22066	250-22000	96396530	250-24973	No Univ.	46529384	250-241017	No Univ.
CITROEN			96418965	250-24067	No Univ.	46549674	250-24119	No Univ.
1618 AL	250-24748	No Univ.	96418970	250-24183	No Univ.	46552313	250-24524	No Univ.
1618 AS	250-25049	No Univ.	96423429	250-24183	No Univ.	46555846	250-241019	No Univ.
1618 AV	800-95003	No Univ.	96507986	250-24788	No Univ.	46737471	250-24553	No Univ.
1618 ER	250-24751	No Univ.	DAIHATSU			46750241	250-24705	No Univ.
1618 ES	250-241056	No Univ.	89465 87101 000	250-21000	No Univ.	46750243	250-24695	No Univ.
1618 HC	250-24841	250-24883	89465 87102 000	250-21000	No Univ.	46750249	250-24531	No Univ.
1618 HG	250-25044	No Univ.	89465 87106 000	250-21000	No Univ.	46751082	250-24564	No Univ.
1618 HR	250-24748	No Univ.	89465 87108 000	250-21044	No Univ.	46760683	250-24530	No Univ.
1618 K9	250-24901	No Univ.	89465 87109 000	250-21000	No Univ.	46760867	250-241013	No Univ.
1618 Q5	250-24710	No Univ.	89465 87113 000	250-24305	250-24200	46762182	250-24564	No Univ.
1618 R0	250-24972	No Univ.	89465 87204 000	250-21072	No Univ.	46762653	250-24695	No Univ.
1618 V3	250-24546	No Univ.	89465 87208 000	250-21073	No Univ.	46774531	250-24531	No Univ.
1618 V7	800-95003	No Univ.	89465 87211 000	250-21000	No Univ.	46786046	250-241013	No Univ.
1618 Z6	250-24841	250-24883	89465 87212 000	250-21041	No Univ.	46807454	250-24524	No Univ.
1618 Z7	250-24665	No Univ.	89465 87401	250-24360	No Univ.	46811313	250-241016	No Univ.
1618 Z8	250-24748	No Univ.	89465 87402	250-24360	No Univ.	46823880	250-24524	No Univ.
1628 2T	250-24936	No Univ.	89465 87601 000	250-21056	250-21050	50202582	250-25049	No Univ.
1628 2V	250-24563	No Univ.	89465 97212	250-24487	250-24400	51774422	250-241003	No Univ.
1628 2X	250-24133	No Univ.	89465 97220	250-21074	No Univ.	51801278	250-25017	No Univ.
1628 7R	250-24536	No Univ.	89465 97221	250-24487	250-24400	55184545	250-241022	No Univ.
1628 7S	250-24497	No Univ.	89465 97403	250-24360	No Univ.	55189996	800-95003	No Univ.
1628 7Z	250-24936	No Univ.	89465 97405 000	250-24344	No Univ.	55191127	800-95020	No Univ.
1628 8C	250-24527	No Univ.	89465 97408	250-241033	No Univ.	55191128	250-25017	No Univ.
1628 8Z	250-24178	No Univ.	89465 97410	250-24487	250-24400	55198037	250-24848	No Univ.
1628 9S	250-24527	No Univ.	89465 B1060	250-24360	No Univ.	55199542	800-95003	No Univ.
1628 9T	250-24936	No Univ.	89465 B4020	250-24360	No Univ.	55199793	800-95020	No Univ.
1628 9W	250-24536	No Univ.	89465 B4030	250-24487	250-24400	55201610	250-241022	No Univ.
1628 AA	250-24178	No Univ.	89465 B1040	250-24487	250-24400	55202369	800-95021	No Univ.
1628 HN	250-24841	250-24883	DODGE			55202582	250-25049	No Univ.
1628 HQ	250-24748	No Univ.	5149012AA	250-25042	No Univ.	55214621	250-24695	No Univ.
1628 HR	250-24665	No Univ.	56028200	250-24004	250-24400	55214916	250-25017	No Univ.
1628 HT	250-24178	No Univ.	EAGLE			55219791	250-25017	No Univ.
1628 HV	250-24410	No Univ.	MD131446	250-22002	250-22000	55219791	250-241003	No Univ.
1628 KN	250-241064	No Univ.	FERRARI			55224324	250-241060	No Univ.
1628 KP	250-24410	No Univ.	142514	250-24820	No Univ.	55353812	250-24984	No Univ.
1628 KY	250-24841	250-24883	146650	250-24820	No Univ.	55556818	250-241032	No Univ.
1628 L4	250-24030	No Univ.	155010	250-24144	No Univ.	60578768	250-24132	No Univ.
1628 LP	250-24178	No Univ.	165170	250-24598	No Univ.	71739275	250-24273	No Univ.
1628 PL	250-24748	No Univ.				71739859	250-24735	No Univ.
1628 PX	250-24527	No Univ.				71742159	250-24335	250-24200
1628 QY	250-24527	No Univ.				71747242	250-24335	250-24200
1628 R9	250-24184	No Univ.				71748280	250-24984	No Univ.
1628 T2	250-24184	No Univ.				71768036	250-25033	No Univ.



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
GMC (cont'd)			HONDA (cont'd)			HONDA (cont'd)		
25172671	250-23060	250-23000	36531 PDE E02	250-24473	No Univ.	36532 PPA 004	250-24398	No Univ.
25172673	250-23163	No Univ.	36531 PDF E01	250-24766	No Univ.	36532 PR7 003	250-24391	No Univ.
25172674	250-23073	No Univ.	36531 PEL 023	250-24308	No Univ.	36532 PR7 A01	250-24093	No Univ.
25172676	250-23018	250-23000	36531 PEL G03	250-24099	No Univ.	36532 PR7 A02	250-24093	No Univ.
25176718	250-21005	250-21000	36531 PHM 004	250-25055	No Univ.	36532 PR7 J01	250-24093	No Univ.
25178076	250-23004	250-23000	36531 PHM 014	250-25055	No Univ.	36532 PR7 J02	250-24093	No Univ.
5603373	250-21000	No Univ.	36531 PHM 024	250-25055	No Univ.	36532 PRC 004	250-24756	No Univ.
5613959	250-21001	250-21000	36531 PK1 014	250-21009	250-21000	36532 PSA 004	250-24121	No Univ.
8990793	250-23004	250-23000	36531 PK2 003	250-21009	250-21000	36532 PWA G02	250-24759	No Univ.
90234326	250-23146	250-23000	36531 PK2 J01	250-24011	No Univ.	36532 PWE G01	250-24757	No Univ.
90448458	250-23138	250-23000	36531 PK3 A05	250-24011	No Univ.	36532 PY3 003	250-24093	No Univ.
94850731	250-21056	250-21050	36531 PL2 013	250-21009	250-21000	36532 PZA E01	250-24446	No Univ.
96051853	250-21009	250-21000	36531 PLD 013	250-24446	No Univ.	36532 PZX 004	250-24764	No Univ.
97018587	250-23004	250-23000	36531 PLR A01	250-24429	No Univ.	36532 RAD L11	250-24476	No Univ.
HOLDEN			36531 PM5 A01	250-21009	250-21000	36532 RAD L12	250-24476	No Univ.
89 465 194 75	250-21056	250-21050	36531 PNB G02	250-24473	No Univ.	36532 RJA 004	250-24346	No Univ.
89 465 195 85	250-21056	250-21050	36531 PND A11	250-54076	No Univ.	36532 RJH G01	250-24121	No Univ.
89 465 394 05	250-21053	250-21050	36531 PNE G01	250-24473	No Univ.	36532 RJJ J01	250-24754	No Univ.
90 009 053	250-23138	250-23000	36531 PNF G01	250-54046	No Univ.	36532 RNA A01	250-24786	No Univ.
90 397 523	250-23138	250-23000	36531 PPA 003	250-54046	No Univ.	36532 RRA 004	250-24798	No Univ.
90 397 524	250-23146	250-23000	36531 PR7 003	250-24391	No Univ.	36532 RSH E01	250-24786	No Univ.
90 510 147	250-23138	250-23000	36531 PR7 A01	250-24093	No Univ.	36532 PZA E01	250-24446	No Univ.
90 541 930	250-23138	250-23000	36531 PR7 A02	250-24093	No Univ.	36532 R40 A01	250-24833	No Univ.
91 587 18	250-24400	No Univ.	36531 PR7 J01	250-24093	No Univ.	36532 RBO 004	250-24856	No Univ.
HONDA			36531 PR7 J02	250-24093	No Univ.	36533 PNB G00	250-24446	No Univ.
36531 P03 G01	250-24000	No Univ.	36531 PRA G01	250-24473	No Univ.	36541 PR7 A01	250-24099	No Univ.
36531 P06 A12	250-24099	No Univ.	36531 PT1 X01	250-24400	No Univ.	36542 PR7 A01	250-24121	No Univ.
36531 P07 003	250-25055	No Univ.	36531 PT1 X02	250-24400	No Univ.	36542 RJA 004	250-24391	No Univ.
36531 P07 013	250-25055	No Univ.	36531 PT1X11	250-24400	No Univ.	HYUNDAI		
36531 POAA01	250-24011	No Univ.	36531 PT1X12	250-24400	No Univ.	OK2A5 18 861	250-24388	No Univ.
36531 P12 A02	250-24621	No Univ.	36531 PT3 A03	250-24621	No Univ.	OK2N1 18 861	250-24341	No Univ.
36531 P12 A12	250-24621	No Univ.	36531 PT3 A04	250-24621	No Univ.	39210 02400	250-21000	No Univ.
36531 P1H E01	250-24099	No Univ.	36531 PT3 A12	250-24621	No Univ.	39210 02500	250-21066	No Univ.
36531 P1K E01	250-24099	No Univ.	36531 PW0 G01	250-21000	No Univ.	39210 02600	250-24383	No Univ.
36531 P1K E02	250-24099	No Univ.	36531 PWA 903	250-24761	No Univ.	39210 02610	250-24780	No Univ.
36531 P1K E03	250-24099	No Univ.	36531 PWA E01	250-24761	No Univ.	39210 02620	250-24780	No Univ.
36531 P1K E11	250-24099	No Univ.	36531 PWA G02	250-24761	No Univ.	39210 02620	250-24779	No Univ.
36531 P28 A01	250-24099	No Univ.	36531 PWA G51	250-24761	No Univ.	39210 02900	250-24849	No Univ.
36531 P28 A02	250-24099	No Univ.	36531 PWA G52	250-24761	No Univ.	39210 02910	250-24887	No Univ.
36531 P2E A01	250-24099	No Univ.	36531 PWE E01	250-24760	No Univ.	39210 02950	250-24779	No Univ.
36531 P2E G01	250-24099	No Univ.	36531 PWE G01	250-24760	No Univ.	39210 03010	250-24982	No Univ.
36531 P2J J01	250-21031	250-21000	36531 PY3 003	250-24093	No Univ.	39210 03020	250-24849	No Univ.
36531 P2R A01	250-24099	No Univ.	36531 PZX 003	250-54056	No Univ.	39210 22015	250-23129	No Univ.
36531 P2Y G01	250-21031	250-21000	36531 PZX 013	250-54056	No Univ.	39210 22015	250-23129	No Univ.
36531 P3F A01	250-24011	No Univ.	36531 R40 A01	250-54038	No Univ.	39210 22018	250-23165	No Univ.
36531 P3F J02	250-24602	No Univ.	36531 RB0 003	250-54038	No Univ.	39210 22019	250-23165	No Univ.
36531 P3Y G02	250-21031	250-21000	36531 RBB 003	250-54022	No Univ.	39210 22100	250-23102	No Univ.
36531 P54 003	250-24011	No Univ.	36531 RCA A02	250-25001	No Univ.	39210 22105	250-23102	No Univ.
36531 P5A 003	250-24093	No Univ.	36531 RDM A01	250-25001	No Univ.	39210 22115	250-23132	No Univ.
36531 P5G 003	250-24093	No Univ.	36531 RJJ G01	250-54045	No Univ.	39210 22290	250-24584	No Univ.
36531 P5K 003	250-24620	No Univ.	36531 RJJ J01	250-54045	No Univ.	39210 22291	250-24593	No Univ.
36531 P5M 004	250-24121	No Univ.	36531 RLO G01	250-54093	No Univ.	39210 22610	250-24349	No Univ.
36531 P5M 014	250-24121	No Univ.	36531 RMX A01	250-54040	No Univ.	39210 22620	250-24349	No Univ.
36531 P5P 004	250-24343	No Univ.	36531 RNA 003	250-54041	No Univ.	39210 23060	250-24356	No Univ.
36531 P5P 014	250-24343	No Univ.	36531 RNA A01	250-54041	No Univ.	39210 23210	250-24584	No Univ.
36531 P72 J01	250-24011	No Univ.	36531 RNA J01	250-54041	No Univ.	39210 23215	250-24584	No Univ.
36531 P73 G01	250-24011	No Univ.	36531 RSH E01	250-54041	No Univ.	39210 23216	250-24593	No Univ.
36531 P7A G02	250-24099	No Univ.	36532 P5A 003	250-24093	No Univ.	39210 23500	250-24438	No Univ.
36531 P8C A01	250-24099	No Univ.	36532 P5G 003	250-24093	No Univ.	39210 23710	250-24438	No Univ.
36531 P8C A21	250-24308	No Univ.	36532 P7A G01	250-24601	No Univ.	39210 23750	250-24349	No Univ.
36531 P9KE01	250-24473	No Univ.	36532 P8C A02	250-24601	No Univ.	39210 23950	250-24349	No Univ.
36531 P9L E02	250-24099	No Univ.	36532 PAA A02	250-24601	No Univ.	39210 24310	250-21000	No Univ.
36531 PAA 307	250-54055	No Univ.	36532 PBY 003	250-24441	No Univ.	39210 24320	250-21007	250-21000
36531 PAA L21	250-54055	No Univ.	36532 PBY J01	250-24348	No Univ.	39210 24320	250-21007	250-21000
36531 PAA L22	250-54055	No Univ.	36532 PDC E01	250-24343	No Univ.	39210 24520	250-21007	250-21000
36531 PAA L23	250-54055	No Univ.	36532 PDE E02	250-24343	No Univ.	39210 24550	250-21007	250-21000
36531 PAD G01	250-24011	No Univ.	36532 PDF 305	250-24758	No Univ.	39210 24600	250-24280	No Univ.
36531 PAD G11	250-24578	No Univ.	36532 PK2 003	250-21009	250-21000	39210 24610	250-24280	No Univ.
36531 PBY 003	250-24441	No Univ.	36532 PL2 003	250-21009	250-21000	39210 24650	250-24289	No Univ.
36531 PBY J01	250-24347	No Univ.	36532 PL2 003	250-21009	250-21000	39210 24660	250-24289	No Univ.
36531 PCA 014	250-24011	No Univ.	36532 PLA G01	250-24121	No Univ.	39210 25110	250-24687	No Univ.
36531 PCX 004	250-24784	No Univ.	36532 PLD 013	250-24121	No Univ.	39210 25300	250-24688	No Univ.
36531 PCX 014	250-24784	No Univ.	36532 PNB G00	250-24446	No Univ.	39210 26000	250-24584	No Univ.
36531 PDA E02	250-24011	No Univ.	36532 PNB G02	250-24446	No Univ.	39210 26700	250-24349	No Univ.
			36532 PNE 004	250-24446	No Univ.	39210 26800	250-24977	No Univ.
			36532 PNE G01	250-24756	No Univ.	39210 26810	250-24977	No Univ.
			36532 PNF E01	250-24763	No Univ.	39210 2B000	250-24849	No Univ.



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
HYUNDAI (cont'd)			ISUZU			KIA (cont'd)		
39210 2B010	250-24982	No Univ.	8970622930	250-23004	250-23000	OK9A4 18 861	250-23126	250-23000
39210 2B030	250-24982	No Univ.	8970622920	250-23004	250-23000	OK9A5 18 861	250-23126	250-23000
39210 2B060	250-24990	No Univ.	8089903510	250-21001	250-21000	36350 2A410	250-25034	No Univ.
39210 2B110	250-24982	No Univ.	8089907930	250-23004	250-23000	39200 2X010	250-24388	No Univ.
39210 2B210	250-25035	No Univ.	8251626000	250-21001	250-21000	39210 02630	250-24779	No Univ.
39210 2C100	250-24916	No Univ.	8251626930	250-21001	250-21000	39210 02640	250-24780	No Univ.
39210 2G100	250-25062	No Univ.	8970185860	250-21001	250-21000	39210 22610	250-24349	No Univ.
39210 2G200	250-24878	No Univ.	8970185870	250-23004	250-23000	39210 23710	250-24438	No Univ.
39210 2G380	250-25065	No Univ.	JAGUAR			39210 23750	250-24349	No Univ.
39210 2G650	250-24864	No Univ.	704 15S40	250-21011	250-21000	39210 23800	250-24768	No Univ.
39210 32500	250-21007	250-21000	704 1T588	250-21015	250-21000	39210 25110	250-24687	No Univ.
39210 32510	250-21007	250-21000	704 23O71	250-21013	250-21000	39210 25300	250-24688	No Univ.
39210 32520	250-21007	250-21000	704 2L773	250-21011	250-21000	39210 26620	250-24349	No Univ.
39210 32580	250-22066	250-22000	704 27E11	250-21013	250-21000	39210 2X010	250-24384	No Univ.
39210 33010	250-24091	No Univ.	704 281N6	250-21015	250-21000	39210 2X020	250-24384	No Univ.
39210 33030	250-24280	No Univ.	704 30F99	250-21013	250-21000	39210 33340	250-24368	No Univ.
39210 33070	250-24280	No Univ.	704 3R417	250-21011	250-21000	39210 37140	250-24518	250-24882
39210 33080	250-24280	No Univ.	704 47O89	250-21011	250-21000	39210 37160	250-24517	250-24882
39210 33340	250-24368	No Univ.	704 478M1	250-21015	250-21000	39210 37180	250-24517	250-24882
39210 33360	250-24383	No Univ.	704 4096W	250-21013	250-21000	39210 37513	250-24461	No Univ.
39210 33440	250-24289	No Univ.	704 409A1	250-21011	250-21000	39210 37523	250-24783	No Univ.
39210 35030	250-24009	250-24400	704 40L52	250-21013	250-21000	39210 37533	250-24461	No Univ.
39210 36700	250-24422	No Univ.	704 5K989	250-21015	250-21000	39210 37543	250-24461	No Univ.
39210 37100	250-24517	250-24882	704 53E44	250-21013	250-21000	39210 38005	250-24422	No Univ.
39210 37105	250-24517	250-24882	704 537R2	250-21011	250-21000	39210 38015	250-24368	No Univ.
39210 37120	250-24517	250-24882	C2C 1238	250-24439	No Univ.	39210 38025	250-24422	No Univ.
39210 37125	250-24517	250-24882	C2C 12588	250-54018	No Univ.	39210 39027	250-24658	No Univ.
39210 37140	250-24518	250-24882	C2C 22679	250-24730	No Univ.	39210 39040	250-24422	No Univ.
39210 37145	250-24518	250-24882	C2C 22681	250-54032	No Univ.	39210 39500	250-24658	No Univ.
39210 37151	250-24518	250-24882	C2C 25956	250-24439	No Univ.	39210 39550	250-24658	No Univ.
39210 37160	250-24517	250-24882	C2C 29250	250-54018	No Univ.	39210 39600	250-24462	No Univ.
39210 37165	250-24517	250-24882	C2C 7359	250-54018	No Univ.	39210 39800	250-24462	No Univ.
39210 37180	250-24517	250-24882	C2C 7360	250-24439	No Univ.	39210 39820	250-24462	No Univ.
39210 37185	250-24517	250-24882	C2C 8442	250-24439	No Univ.	39210 3E110	250-24461	No Univ.
39210 37190	250-24461	No Univ.	C2N 3717	250-54018	No Univ.	39210 3E120	250-24462	No Univ.
39210 37200	250-241067	No Univ.	C2P 8810	250-54032	No Univ.	39210 3E130	250-24461	No Univ.
39210 37220	250-241067	No Univ.	C2S 38497	250-24439	No Univ.	39210 3E140	250-24462	No Univ.
39210 37250	250-24461	No Univ.	C2S 51801	250-54018	No Univ.	39210 3Y120	250-241047	No Univ.
39210 37510	250-24461	No Univ.	LJA 1682AE	250-24485	No Univ.	39210 3Y140	250-241047	No Univ.
39210 37513	250-24461	No Univ.	XR8 1557	250-24001	250-24400	39210 2B000	250-24849	No Univ.
39210 37520	250-24783	No Univ.	XR8 2007	250-24001	250-24400	39210 2B050	250-24990	No Univ.
39210 37523	250-24783	No Univ.	XR8 22998	250-24001	250-24400	39210 2B070	250-241040	No Univ.
39210 37525	250-24783	No Univ.	XR8 6938	250-24749	No Univ.	39210 2B100	250-24849	No Univ.
39210 37530	250-24461	No Univ.	JEEP			39210 2B120	250-24982	No Univ.
39210 37533	250-24461	No Univ.	56028995AB	250-24460	No Univ.	39210 2B130	250-24982	No Univ.
39210 37540	No Univ.	No Univ.	56041111	250-24076	No Univ.	39210 2G100	250-25062	No Univ.
39210 37543	250-24461	No Univ.	56028586AA	250-24249	No Univ.	39210 2G150	250-24916	No Univ.
39210 37550	250-24289	No Univ.	56029333AA	250-24249	No Univ.	39210 2G200	250-24878	No Univ.
39210 38005	250-24422	No Univ.	56041212	250-24943	No Univ.	39210 2G380	250-25065	No Univ.
39210 38015	250-24368	No Univ.	56041212AE	250-24943	No Univ.	39210 2G400	250-24864	No Univ.
39210 38225	250-24368	No Univ.	56041345AE	250-24249	No Univ.	39210 2G650	250-24864	No Univ.
39210 38420	250-24383	No Univ.	56041731AA	250-24249	No Univ.	39210 33810	250-24368	No Univ.
39210 39010	250-24422	No Univ.	56041941AA	250-24276	No Univ.	39210 33820	250-24383	No Univ.
39210 39015	250-24422	No Univ.	56041942AA	250-24249	No Univ.	39210 3C900	250-24739	No Univ.
39210 39025	250-24383	No Univ.	KIA			39210 3C970	250-24740	No Univ.
39210 39027	250-24658	No Univ.	OK011 18 861	250-23126	250-23000	39350 4A410	800-95003	No Univ.
39210 39027	250-24658	No Univ.	OK07A 18 861	250-24341	No Univ.	39350 2A400	250-25034	No Univ.
39210 39030	250-24422	No Univ.	OK08A 18 861B	250-24341	No Univ.	39350 2A410	250-25095	No Univ.
39210 39040	No Univ.	No Univ.	OK08B 18 861B	250-24341	No Univ.	39350 2A420	250-25034	No Univ.
39210 39600	250-24462	No Univ.	OK243 18 861A	250-23097	250-23000	KK348 18 861	250-21010	250-21000
39210 39800	250-24462	No Univ.	OK25R 18 861	250-23126	250-23000	KK370 18 861	250-21010	250-21000
39210 39860	250-24383	No Univ.	OK2A1 18 861	250-241026	No Univ.	KK388 18 861A	250-23097	250-23000
39210 3C100	250-24690	No Univ.	OK2A5 18 861	250-24750	No Univ.	MB376 18 861	250-21010	250-21000
39210 3C200	250-24707	No Univ.	OK2AA 18 861	250-24341	No Univ.	MBP03 18 861B	250-21010	250-21000
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39210 3E130	250-24461	No Univ.	OK2NA 18 861	250-24447	No Univ.	11180 3850010	250-24737	No Univ.
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39210 3E220	250-24462	No Univ.	OK32A 18 861	250-24384	No Univ.	786211	250-24737	No Univ.
39210 3Y100	250-241047	No Univ.	OK32B 18 861	250-24384	No Univ.	LANCIA		
39210 3Y160	250-241047	No Univ.	OK558 18 861	250-24139	No Univ.	46417969	250-24119	No Univ.
39210 42900	250-21005	250-21000	OK558 18 861A	250-24369	250-24400	46418813	250-24818	No Univ.
39350 2A400	250-25034	No Univ.	OK996 18 861	250-23084	250-23000	46422649	250-24000	No Univ.
39350 2A410	250-25095	No Univ.				46423987	250-24588	No Univ.
39350 4A410	800-95003	No Univ.						
OK243 18861A	250-23097	250-23000						



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
LANCIA (cont'd)			LEXUS (cont'd)			MAZDA (cont'd)		
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46455518	250-24530	No Univ.	8946530730	250-24213	No Univ.	B6B118861	250-21012	250-21000
46460055	250-24190	No Univ.	8946530740	250-24213	No Univ.	B6DC18861A	250-23085	250-23000
46521170	250-24531	No Univ.	8946530820	250-24213	No Univ.	BP0318861B	250-21010	250-21000
46523129	250-24524	No Univ.	8946548110	250-24837	250-24883	BP3A18861	250-24123	250-24200
46750241	250-24705	No Univ.	8946548170	250-24420	No Univ.	BP3C18861	250-24245	250-24200
46750243	250-24695	No Univ.	8946548180	250-24837	250-24883	BP4W18861	250-24112	No Univ.
46750249	250-24531	No Univ.	8946548200	250-24837	250-24883	BP4W18861B	250-24112	No Univ.
46751082	250-24564	No Univ.	8946548210	250-24420	No Univ.	BP6F18861B	250-24128	250-24400
46762182	250-24564	No Univ.	8946549075	250-24277	250-24250	BP6G18861C	250-24641	No Univ.
46762653	250-24695	No Univ.	8946550010	250-24220	No Univ.	BP6J18861B	250-24359	No Univ.
46764207	250-24119	No Univ.	8946550020	250-22009	No Univ.	BP6L18861	250-24359	No Univ.
46774534	250-24119	No Univ.	8946550050	250-22011	250-22000	BP6M1886ZA	250-24111	No Univ.
46786046	250-241013	No Univ.	8946550070	250-22839	250-24883	BPD318861A	250-24245	250-24200
46805753	250-241015	No Univ.	8946550100	250-24839	250-24883	BPE818861A	250-24123	250-24200
46805754	250-241015	No Univ.	8946550120	250-24169	No Univ.	C20118861	250-24001	250-24400
55189996	800-95003	No Univ.	8946550130	250-24225	No Univ.	C60118861	250-24001	250-24400
55202369	800-95021	No Univ.	8946550140	250-24483	No Univ.	F20118861A	250-21012	250-21000
55214916	250-25017	No Univ.	8946550150	250-24169	No Univ.	F2E618861	250-22006	No Univ.
55224324	250-241060	No Univ.	8946550170	250-24623	No Univ.	F2E618861A	250-22006	No Univ.
5907889	250-21000	No Univ.	8946550180	250-24777	No Univ.	F82A18861D	250-22076	No Univ.
5963516	250-21000	No Univ.	8946553040	250-24305	250-24200	F8G818861	250-21020	250-21000
60578768	250-24132	No Univ.	8946553050	250-24938	No Univ.	FEH118861	250-21012	250-21000
7555129	250-23154	No Univ.	8946553150	250-24225	No Univ.	FEJK18861	250-22076	No Univ.
7619303	250-23048	No Univ.	8946553190	250-24840	250-24883	FP3318861A	250-24400	No Univ.
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LANDROVER			8946730030	250-54050	No Univ.	JE0818861B	250-23086	250-23000
AMR6244	250-24512	250-24883	8946730040	250-54050	No Univ.	JE1518861A	250-23086	250-23000
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ERR6729	250-23802	250-23880	8946748050	250-54059	No Univ.	K80518861A	250-24245	250-24200
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LR001459	250-54043	No Univ.	8946748100	250-54059	No Univ.	KF3418861B	250-24400	No Univ.
LR011710	250-54072	No Univ.	8946748130	250-54059	No Univ.	KJ0118861A	250-23097	250-23000
LR013660	250-24509	No Univ.	8946748160	250-54007	No Univ.	KJ0218861C	250-23094	No Univ.
LR014227	250-25049	No Univ.	8946748210	250-54084	No Univ.	KL1C18861	250-24365	No Univ.
LR028931	250-241055	No Univ.	8946748220	250-54084	No Univ.	KL1D18861	250-24475	No Univ.
MHK000070	250-24844	No Univ.	8946750050	250-54006	No Univ.	KL1E18861A	250-24128	250-24400
MHK000210	250-24611	No Univ.	8946753010	250-54096	No Univ.	KL5518861	250-23042	No Univ.
MHK000220	250-24392	No Univ.	8946753020	250-54006	No Univ.	KL5618861	250-23042	No Univ.
MHK10004L	250-24805	No Univ.	8946753040	250-54006	No Univ.	KL5718861	250-23042	No Univ.
MHK100720	250-24193	No Univ.	MARUTI			KL5818861	250-23042	No Univ.
MHK100840L	250-24538	No Univ.	18213M79G10	250-24400	No Univ.	KL6118861A	250-24629	No Univ.
MHK100920	250-24496	No Univ.	18213M83F00	250-24400	No Univ.	KL6218861A	250-24362	250-24400
MHK100930	250-24498	No Univ.	MAZDA			KLA618861	250-24068	No Univ.
MHK100940	250-24496	No Univ.	1E0218861A	250-24400	No Univ.	KLA718861	250-24067	No Univ.
MHK500850	250-24455	No Univ.	1E0518861	250-24015	250-24400	L33618861	250-24271	No Univ.
MHK500870	250-24455	No Univ.	AJ0318861D	250-24302	No Univ.	L33L188G1C	250-25066	No Univ.
MHK500880	250-54062	No Univ.	AJ0418861B	250-24749	No Univ.	L33M18861B	250-24782	No Univ.
MHK500910	250-24455	No Univ.	AJ0518861B	250-24127	250-24400	L33M18861C	250-24782	No Univ.
MHK500960	250-24455	No Univ.	AJ0618861D	250-24070	250-24400	L33X188G1	250-25067	No Univ.
MHK501050	250-24714	No Univ.	AJ5118861	250-24628	No Univ.	L34B18861A	250-24795	No Univ.
LEXUS			AJ5218861A	250-24268	No Univ.	L3CE188G1	250-25066	No Univ.
8946520430	250-24360	No Univ.	AJ5318861A	250-24130	250-24200	L3H518861	250-24301	No Univ.
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8946530440	250-24106	250-24200	AJTB18861A	250-24127	250-24400	L509188G1A	250-25090	No Univ.
8946530450	250-24840	250-24883	B31R18861A	250-23000	No Univ.	L509188G1B	250-25090	No Univ.
8946530470	250-24225	No Univ.	B33H18861C	250-24139	No Univ.	L54118861A	250-24872	No Univ.
8946530480	250-24305	250-24200	B3C718861A	250-23084	250-23000	L81318861A	250-24875	No Univ.
8946530490	250-24839	250-24883	B5E118861B	250-24400	No Univ.	L81318861B	250-24875	No Univ.
						LF1718861B	250-24964	No Univ.
						LF1718861C	250-24964	No Univ.



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
MAZDA (cont'd)			MERCEDES-BENZ (cont'd)			MINI (cont'd)		
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LF4J188G1B	250-25096	No Univ.	001 540 06 17	250-24469	No Univ.	11787549860	250-25044	No Univ.
LF4K18861B	250-24769	No Univ.	001 540 07 17	250-24468	No Univ.	11787560957	250-25042	No Univ.
LF6618861C	250-24660	No Univ.	001 540 08 17	250-24143	No Univ.	11787576673	250-25087	No Univ.
LF6818861D	250-24661	No Univ.	001 540 10 17	250-24411	No Univ.	11787590713	250-25034	No Univ.
LF8R188G1	250-25029	No Univ.	001 540 11 17	250-24419	No Univ.	11787595353	250-25087	No Univ.
LF8618861C	250-24661	No Univ.	001 540 12 17	250-24413	No Univ.	13627804369	800-95008	No Univ.
LFBL188G1B	250-25067	No Univ.	001 540 21 17	250-24143	No Univ.	N16B16AU0	250-25034	No Univ.
LFBL188G1C	250-25067	No Univ.	001 540 28 17	250-24609	No Univ.	MITSUBISHI		
LFG218861A	250-24725	No Univ.	001 540 37 17	250-24469	No Univ.	1588 A000	250-24400	No Univ.
LFH1188G1D	250-25074	No Univ.	001 540 38 17	250-24469	No Univ.	1588 A011	250-24631	No Univ.
LFH218861A	250-24937	No Univ.	001 540 46 17	250-24465	No Univ.	1588 A020	250-24233	No Univ.
LFH218861B	250-24937	No Univ.	001 540 47 17	250-24468	No Univ.	1588 A021	250-24980	No Univ.
LFL7188G1	250-25029	No Univ.	001 540 50 17	250-24469	No Univ.	1588 A081	250-24233	No Univ.
LFL7188G1B	250-25029	No Univ.	001 540 51 17	250-24469	No Univ.	1588 A126	250-24224	No Univ.
LFL7188G1C	250-25029	No Univ.	001 540 56 17	250-24469	No Univ.	1588 A129	250-24631	No Univ.
LFL818861A	250-24718	No Univ.	001 540 60 17	250-24469	No Univ.	1588 A132	250-241009	No Univ.
LFN1188G1	250-54080	No Univ.	001 540 71 17	250-24464	No Univ.	1588 A147	250-24239	No Univ.
N3A118861A	250-21020	250-21000	001 540 72 17	250-24595	No Univ.	1588 A148	250-24236	No Univ.
N3H118861B	250-24325	No Univ.	001 540 73 17	250-24463	No Univ.	1588 A165	250-24242	No Univ.
N3H1188G1B	250-54031	No Univ.	001 540 74 17	250-24468	No Univ.	1588 A001	250-25042	No Univ.
N3H318861B	250-24131	250-24200	001 540 75 17	250-24466	No Univ.	1588 A005	250-241029	No Univ.
N3H3188G1A	250-54031	No Univ.	001 540 76 17	250-24465	No Univ.	1588 A129	250-241009	No Univ.
N3R1188G1	250-54044	No Univ.	001 540 79 17	250-24469	No Univ.	1588 A131	250-241021	No Univ.
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RF8G188G1B	250-25034	No Univ.	001 540 89 17	250-24466	No Univ.	1588 A195	250-241049	No Univ.
TA3618861B	250-23097	250-23000	001 540 91 17	250-24468	No Univ.	1588 A200	250-25049	No Univ.
TA3718861E	250-23095	250-23000	001 540 92 17	250-24466	No Univ.	1588 A232	250-24485	No Univ.
Y650188GX	250-25097	No Univ.	001 540 94 17	250-24469	No Univ.	39210 36700	250-24422	No Univ.
Y660188G1	250-25049	No Univ.	001 540 95 17	250-24469	No Univ.	MD 089922	250-21005	250-21000
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ZL0218861C	250-24400	No Univ.	002 542 12 18	250-21000	No Univ.	MD 128262	250-21005	250-21000
ZL0C18861C	250-24139	No Univ.	003 542 69 18	250-25042	No Univ.	MD 131229	250-22065	250-22000
ZL2718861A	250-24365	No Univ.	003 542 70 18	800-95009	No Univ.	MD 136308	250-24007	250-24400
ZM0318861A	250-24366	250-24400	003 542 71 18	800-95010	No Univ.	MD 136309	250-24007	250-24400
ZZC418861	250-24001	250-24400	003 542 72 18	250-25048	No Univ.	MD 143490	250-24237	No Univ.
MERCEDES-BENZ			003 542 7318	250-25003	No Univ.	MD 148738	250-22066	250-22000
000 540 21 17	250-23000	No Univ.	003 542 81 18	250-24251	No Univ.	MD 149813	250-21061	250-21000
000 540 24 17	250-24038	No Univ.	003 542 84 18	250-24752	No Univ.	MD 165081	250-24231	No Univ.
000 540 26 17	250-24038	No Univ.	003 542 85 18	250-24857	No Univ.	MD 165083	250-24231	No Univ.
000 540 29 17	250-24674	No Univ.	004 542 07 18	250-24675	No Univ.	MD 174677	250-22066	250-22000
000 540 38 17	250-24034	No Univ.	004 542 08 18	250-24686	No Univ.	MD 176884	250-22066	250-22000
000 540 39 17	250-24792	No Univ.	004 542 36 18	250-25045	No Univ.	MD 177968	250-24231	No Univ.
000 540 40 17	250-24000	No Univ.	004 542 73 18	800-95015	No Univ.	MD 177969	250-24230	No Univ.
000 540 42 17	250-24034	No Univ.	006 542 49 18	250-25091	No Univ.	MD 183145	250-24229	No Univ.
000 540 43 17	250-24000	No Univ.	007 542 32 17	250-23163	No Univ.	MD 183399	250-24229	No Univ.
000 540 45 17	250-24038	No Univ.	007 542 68 17	250-23150	No Univ.	MD 184939	250-24224	No Univ.
000 540 56 17	250-24038	No Univ.	008 542 45 18	250-25094	No Univ.	MD 185334	250-24228	No Univ.
000 540 57 17	250-24952	No Univ.	009 542 05 17	250-23074	No Univ.	MD 186392	250-24224	No Univ.
000 540 58 17	250-24180	No Univ.	009 542 06 17	250-23074	No Univ.	MD 186990	250-24231	No Univ.
000 540 59 17	250-24141	No Univ.	009 542 39 17	250-23073	No Univ.	MD 186991	250-24630	No Univ.
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000 540 79 17	250-24141	No Univ.	009 542 95 17	250-23074	No Univ.	MD 300080	250-24229	No Univ.
000 540 81 17	250-24609	No Univ.	MG			MD 305146	250-24026	No Univ.
000 540 84 17	250-24140	No Univ.	MHK 10006	250-24193	No Univ.	MD 306893	250-24235	No Univ.
000 540 85 17	250-24387	No Univ.	MHK 100728	250-24480	No Univ.	MD 312083	250-24234	No Univ.
000 540 87 17	250-24140	No Univ.	MHK 100840	250-24538	No Univ.	MD 327611	250-24233	No Univ.
000 540 90 17	250-24387	No Univ.	MHK 101086	250-24566	No Univ.	MD 328152	250-24083	No Univ.
000 540 91 17	250-24610	No Univ.	MHK 101201	250-24565	No Univ.	MD 329341	250-24230	No Univ.
000 540 92 17	250-24551	No Univ.	MINI			MD 331050	250-24630	No Univ.
000 540 95 17	250-24198	No Univ.	11780872674	250-24775	No Univ.	MD 338845	250-24232	No Univ.
000 540 97 17	250-24609	No Univ.				MD 339640	250-24224	No Univ.



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
MITSUBISHI (cont'd)			NISSAN (cont'd)			NISSAN (cont'd)		
MD 339641	250-24240	No Univ.	22690 1F701	250-24182	No Univ.	226A0 JA10C	250-24741	No Univ.
MD 342694	250-24633	No Univ.	22690 1N000	250-23089	No Univ.	226A0 4U300	250-24434	No Univ.
MD 348460	250-24886	No Univ.	22690 28F20	250-23502	250-23880	226A0 5M301	250-24985	No Univ.
MD 351752	250-24230	No Univ.	22690 2F010	250-23089	No Univ.	226A1 0W004	250-24101	No Univ.
MD 369189	250-24242	No Univ.	22690 2Y921	250-23133	No Univ.	226A1 4L715	250-24284	No Univ.
MD 369191	250-24235	No Univ.	22690 30P00	250-23087	No Univ.	226A1 AM601	250-24448	No Univ.
MD 369610	250-24239	No Univ.	22690 39F00	250-23089	No Univ.	226A1 AR210	250-24448	No Univ.
MD 150609	250-22002	250-22000	22690 3C210	250-23104	No Univ.	OPEL		
MD 160578	250-22002	250-22000	22690 3J410	250-23075	No Univ.	09201421	250-24738	No Univ.
MD 182691	250-24020	No Univ.	22690 40F00	250-21013	250-21000	4408954	250-24585	No Univ.
MD 339362	250-22066	250-22000	22690 40P10	250-23087	No Univ.	4420750	250-25095	No Univ.
MD 348512	250-241028	No Univ.	22690 40U00	250-23104	No Univ.	4803533	250-24628	No Univ.
MD 362314	250-24020	No Univ.	22690 40U10	250-23104	No Univ.	5855211	250-25049	No Univ.
MN 128424	250-24979	No Univ.	22690 48P00	250-23087	No Univ.	5855380	250-25049	No Univ.
MN 137944	250-24233	No Univ.	22690 48P10	250-23087	No Univ.	5855395	250-24773	No Univ.
MN 153035	250-24162	No Univ.	22690 61A00	250-23523	250-23880	5855396	250-25049	No Univ.
MN 153036	250-24167	No Univ.	22690 64J01	250-23143	No Univ.	8 55 211	250-21000	No Univ.
MN 153037	250-24236	No Univ.	22690 64Y12	250-23089	No Univ.	8 55 268	250-24846	No Univ.
MN 153038	250-24026	No Univ.	22690 68E00	250-21013	250-21000	8 55 300	250-23138	250-23000
MN 153156	250-24262	No Univ.	22690 69F02	250-23089	No Univ.	8 55 304	250-23138	250-23000
MN 158670	250-24631	No Univ.	22690 70J10	250-21000	No Univ.	8 55 307	250-23146	250-23000
MN 158773	250-24224	No Univ.	22690 73C00	250-23089	No Univ.	8 55 308	250-23146	250-23000
MN 158779	250-241009	No Univ.	22690 75P10	250-23093	No Univ.	8 55 312	250-23004	250-23000
MN 158825	250-241021	No Univ.	22690 76J00	250-23089	No Univ.	8 55 313	250-24803	250-24882
MN 158826	250-241009	No Univ.	22690 7C100	250-23089	No Univ.	8 55 315	250-21001	250-21000
MN 158916	250-24240	No Univ.	22690 7F000	250-23087	No Univ.	8 55 324	250-24807	250-24882
MN 158917	250-24235	No Univ.	22690 7F005	250-23152	No Univ.	8 55 325	250-23826	250-23000
MN 158918	250-24631	No Univ.	22690 7J500	250-23121	No Univ.	8 55 330	250-24806	250-24882
MN 163400	250-24162	No Univ.	22690 81N00	250-21013	250-21000	8 55 331	250-24807	250-24882
MN 163431	250-24026	No Univ.	22690 85E10	250-24505	250-24883	8 55 332	250-21038	250-21000
MN 171805	250-24026	No Univ.	22690 88G01	250-23503	250-23880	8 55 333	250-21001	250-21000
MN 176515	250-24236	No Univ.	22690 8J001	250-24452	No Univ.	8 55 338	250-23138	250-23000
MN 183468	250-24162	No Univ.	22690 97N01	250-23075	No Univ.	8 55 341	250-241024	No Univ.
MN 183469	250-24662	No Univ.	22690 98E00	250-23509	250-23880	8 55 342	250-24806	250-24882
MN 137490	250-24933	No Univ.	22690 99B00	250-23089	No Univ.	8 55 343	250-24803	250-24882
MN 153009	250-24235	No Univ.	22690 9F600	250-23121	No Univ.	8 55 345	250-24788	No Univ.
MN 176475	250-24231	No Univ.	22690 9F601	250-23159	No Univ.	8 55 346	250-24012	250-24000
MR 420649	250-24630	No Univ.	22690 AU000	250-24453	No Univ.	8 55 351	250-24612	No Univ.
MR 420812	250-24886	No Univ.	22690 AX000	250-24450	No Univ.	8 55 353	250-24591	No Univ.
MR 507031	250-24224	No Univ.	22690 ED000	250-24771	No Univ.	8 55 355	250-24648	No Univ.
MR 507138	250-24230	No Univ.	22690 EN200	250-24741	No Univ.	8 55 356	250-24733	No Univ.
MR 507378	250-24242	No Univ.	22690 1N001	250-23089	No Univ.	8 55 357	250-24571	No Univ.
MR 507379	250-24631	No Univ.	22690 2S700	250-23166	No Univ.	8 55 358	250-24984	No Univ.
MR 507380	250-24239	No Univ.	22690 2S701	250-23166	No Univ.	8 55 359	250-24648	No Univ.
MR 507381	250-24235	No Univ.	22690 8J001	250-24452	No Univ.	8 55 360	250-24591	No Univ.
MR 507749	250-24233	No Univ.	22690 97N00	250-23075	No Univ.	8 55 362	250-24682	No Univ.
MR 507751	250-24630	No Univ.	22690 97N01	250-23075	No Univ.	8 55 366	250-241030	No Univ.
MR 507752	250-24241	No Univ.	22691 0W003	250-23109	No Univ.	8 55 371	250-24731	No Univ.
MR 507771	250-24886	No Univ.	22691 3Y101	250-23121	No Univ.	8 55 372	250-24731	No Univ.
MR 507848	250-24270	No Univ.	22691 VC700	250-24865	No Univ.	8 55 378	250-24738	No Univ.
MR 507849	250-24932	No Univ.	22693 5X20A	250-25034	No Univ.	8 55 382	250-24706	No Univ.
MR 514374	250-24885	No Univ.	22693 7S000	250-25005	No Univ.	8 55 385	250-24648	No Univ.
MR 514427	250-24981	No Univ.	22693 7Y020	250-25005	No Univ.	8 55 386	250-24612	No Univ.
MR 507752	250-24241	No Univ.	22693 CD700	250-25005	No Univ.	8 55 387	250-24648	No Univ.
MR 560331	250-24400	No Univ.	22693 JA00B	250-54037	No Univ.	8 55 388	250-24682	No Univ.
MR 578604	250-24242	No Univ.	22693 JG70A	800-95004	No Univ.	8 55 389	250-24400	No Univ.
MR 985039	250-24979	No Univ.	22693 1NA0A	250-54035	No Univ.	8 55 390	250-24592	No Univ.
MR 507750	250-24933	No Univ.	226A0 0W002	250-24102	No Univ.	8 55 391	250-24018	No Univ.
MR 507769	250-241020	No Univ.	226A0 1F701	250-24182	No Univ.	8 55 392	250-25010	No Univ.
MR 560331	250-241020	No Univ.	226A0 1F725	250-24877	No Univ.	8 55 397	250-24497	No Univ.
MR 560393	250-24885	No Univ.	226A0 4L713	250-24286	No Univ.	8 55 400	250-24920	No Univ.
MR 578494	250-241031	No Univ.	226A0 4U301	250-24437	No Univ.	8 55 401	250-24853	No Univ.
NISSAN			226A0 5M300	250-24434	No Univ.	8 55 402	250-24648	No Univ.
22690 00P00	250-21000	No Univ.	226A0 7J501	250-24186	No Univ.	8 55 404	250-24648	No Univ.
22690 00QAD	250-24568	No Univ.	226A0 7J600	250-24985	No Univ.	8 55 405	250-24648	No Univ.
22690 00QAE	250-24975	No Univ.	226A0 8J001	250-24403	No Univ.	8 55 406	250-24612	No Univ.
22690 00QAF	250-241011	No Univ.	226A0 8U300	250-24453	No Univ.	8 55 408	250-24665	No Univ.
22690 01P00	250-23075	No Univ.	226A0 AM601	250-24403	No Univ.	8 55 409	250-24410	No Univ.
22690 06F00	250-21013	250-21000	226A0 AU011	250-24448	No Univ.	8 55 414	250-24853	No Univ.
22690 07G00	250-21013	250-21000	226A0 AU301	250-24181	No Univ.	8 55 420	250-25035	No Univ.
22690 0A401	250-23166	No Univ.	226A0 AX000	250-24437	No Univ.	8 55 422	250-24984	No Univ.
22690 0F410	250-23089	No Univ.	226A0 EA200	250-24951	No Univ.	8 55 426	250-24984	No Univ.
22690 17B00	250-21013	250-21000	226A0 EA210	250-24403	No Univ.	8 55 427	250-24612	No Univ.
22690 19B10	250-21011	250-21000	226A0 EN21A	250-24771	No Univ.	8 55 428	250-24612	No Univ.
22690 1F700	250-24877	No Univ.	226A0 ET000	250-24741	No Univ.	8 55 429	250-24648	No Univ.



Walker
Innovative Engine Management Solutions

OEM Interchange



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
OPEL (cont'd)			PEUGEOT (cont'd)			RENAULT (cont'd)		
8 55 506	800-95017	No Univ.	1632 E4	250-21013	No Univ.	7700854148	250-23828	250-23000
8 55 510	250-24735	No Univ.	1632 7R	250-21011	No Univ.	7700854506	250-23005	No Univ.
8 55 515	250-24853	No Univ.	PORSCHE			7700860246	250-22063	250-22000
8 55 523	250-24590	No Univ.	7L0 906 262 A	250-25003	No Univ.	7700862426	250-23828	250-23000
8 55 528	250-24612	No Univ.	7L0 906 262 C	250-24432	No Univ.	7700864987	250-23003	No Univ.
8 55 877	250-54091	No Univ.	7L0 906 262 F	250-25003	No Univ.	7700867295	250-23005	No Univ.
8 55 419	800-95018	No Univ.	955 606 136 01	250-24494	No Univ.	7700867408	250-24829	No Univ.
8 55 375	250-24590	No Univ.	928 606 124 00	250-23024	No Univ.	7700869034	250-21000	No Univ.
8 55 435	250-24845	No Univ.	928 606 128 01	250-23060	250-23000	7700870318	250-23828	250-23000
8 55 436	250-24847	No Univ.	928 606 135 00	250-23024	No Univ.	7700871544	250-24830	No Univ.
PEUGEOT			930 606 124 00	250-23060	250-23000	7700872878	250-23141	No Univ.
1618 68	250-24000	No Univ.	930 606 124 01	250-23060	250-23000	7700874327	250-24830	No Univ.
1618 72	250-24527	No Univ.	944 606 135 01	250-23029	250-23000	7700874600	250-24830	No Univ.
1618 HC	250-24841	250-24883	944 606 135 02	250-23029	250-23000	8200024503	250-23164	No Univ.
1618 HG	250-25044	No Univ.	948 606 128 00	250-25004	No Univ.	8200036544	250-24585	No Univ.
1618 R0	250-24972	No Univ.	948 606 128 01	250-25004	No Univ.	8200036545	250-24585	No Univ.
1618 V7	800-95003	No Univ.	948 606 128 02	250-25004	No Univ.	8200052063	250-24568	No Univ.
1618 Z7	250-24665	No Univ.	948 606 129 00	250-25008	No Univ.	8200145714	250-24403	No Univ.
1618 72	250-241058	No Univ.	948 606 129 01	250-25008	No Univ.	8200196260	250-24585	No Univ.
1618 AS	250-25049	No Univ.	948 606 129 02	250-25008	No Univ.	8200485076	250-24971	No Univ.
1618 AV	250-25095	No Univ.	948 606 131 00	250-25031	No Univ.	8200551743	250-24585	No Univ.
1618 ES	250-241056	No Univ.	948 606 131 01	250-25031	No Univ.	8933002455	250-21000	No Univ.
1618 K9	250-24901	No Univ.	948 606 131 02	250-25031	No Univ.	9635978580	250-24841	250-24883
1618 Q5	250-24710	No Univ.	948 606 128 00 EM02	250-25004	No Univ.	226902A000	250-24452	No Univ.
1618 T9	250-25044	No Univ.	948 606 129 00 EM02	250-25008	No Univ.	22693JA00B	250-54037	No Univ.
1628 2T	250-24936	No Univ.	951 606 135 00	250-23060	250-23000	226A0JA10C	250-24741	No Univ.
1628 2V	250-24563	No Univ.	955 606 126 01	250-25003	No Univ.	226A443646R	250-24841	250-24883
1628 2X	250-24133	No Univ.	955 606 128 30	250-25034	No Univ.	7700274189	250-241011	No Univ.
1628 3W	250-24185	No Univ.	955 606 129 30	250-25025	No Univ.	7700356629	250-23003	No Univ.
1628 7R	250-24536	No Univ.	955 606 136 30	250-24699	No Univ.	7700870318	250-23005	No Univ.
1628 7S	250-24497	No Univ.	955 606 137 30	250-24671	No Univ.	8200420670	800-95016	No Univ.
1628 7Z	250-24936	No Univ.	955 606 168 00	250-25035	No Univ.	8200437489	250-24585	No Univ.
1628 8C	250-24527	No Univ.	955 606 168 10	800-95016	No Univ.	8200616106	250-25035	No Univ.
1628 8Z	250-24178	No Univ.	965 606 126 00	250-23060	250-23000	ROLLS ROYCE		
1628 9A	250-24178	No Univ.	965 606 126 01	250-23060	250-23000	07C 906 262 D	250-25003	No Univ.
1628 9S	250-24527	No Univ.	986 606 126 00	250-24423	No Univ.	07C 906 262 K	250-25007	No Univ.
1628 9T	250-24936	No Univ.	986 606 126 01	250-24423	No Univ.	PB 20364	250-24611	No Univ.
1628 9W	250-24536	No Univ.	986 606 127 00	250-24647	No Univ.	PB 22560	250-24125	No Univ.
1628 9Z	250-24178	No Univ.	986 606 127 01	250-24647	No Univ.	UT 10094	250-24163	No Univ.
1628 A4	250-23047	No Univ.	986 606 128 00	250-24647	No Univ.	ROVER		
1628 AA	250-24178	No Univ.	986 606 128 01	250-24647	No Univ.	EDU 2036	250-21009	250-21000
1628 CP	250-24178	No Univ.	986 606 226 00	250-24650	No Univ.	MHK 10004	250-24805	No Univ.
1628 HQ	250-24748	No Univ.	987 606 123 01	250-25015	No Univ.	MHK 10006	250-24193	No Univ.
1628 HR	250-24665	No Univ.	987 606 123 02	250-24682	No Univ.	MHK 10021	250-24193	No Univ.
1628 HT	250-24178	No Univ.	987 606 124 00	250-24682	No Univ.	MHK 10023	250-21009	250-21000
1628 HV	250-24410	No Univ.	996 606 128 00	250-25079	No Univ.	MHK 100650	250-24400	No Univ.
1628 J4	250-24545	No Univ.	996 606 138 01	250-24648	No Univ.	MHK 100728	250-24480	No Univ.
1628 L4	250-24030	No Univ.	997 606 128 02	250-25039	No Univ.	MHK 100830	250-21009	250-21000
1628 LP	250-24178	No Univ.	997 606 168 01	250-25039	No Univ.	MHK 100840	250-24538	No Univ.
1628 PL	250-24410	No Univ.	997 606 177 01	250-24712	No Univ.	MHK 101086	250-24566	No Univ.
1628 PX	250-24527	No Univ.	997 606 185 00	250-24712	No Univ.	MHK 101201	250-24565	No Univ.
1628 QY	250-24527	No Univ.	9A1 606 128 00	250-25033	No Univ.	MHK100300	250-24272	No Univ.
1628 R9	250-24184	No Univ.	9A1 606 138 01	250-24854	No Univ.	SAAB		
1628 T2	250-24184	No Univ.	PROTON			12788129	250-24497	No Univ.
1628 TG	250-24527	No Univ.	PW550664	250-24083	No Univ.	12799169	250-24842	250-24883
1628 TH	250-24921	No Univ.	RENAULT			30548563	250-23079	No Univ.
1628 V4	250-24579	No Univ.	7700100101	250-23000	No Univ.	30551925	250-23079	No Univ.
1628 VN	250-24596	No Univ.	7700100713	250-24549	No Univ.	30550330	250-23092	No Univ.
1628 YK	250-24135	No Univ.	7700101345	250-23147	250-23000	30551926	250-23092	No Univ.
1628 HN	250-24841	250-24883	7700103246	250-24134	No Univ.	4239042	250-23078	No Univ.
1628 KN	250-241064	No Univ.	7700103504	250-24781	No Univ.	4239588	250-23079	No Univ.
1629 S1	250-21011	No Univ.	7700105557	250-24109	No Univ.	4239596	250-23078	No Univ.
1629 3T	250-21015	No Univ.	7700107433	250-24585	No Univ.	4227165	250-23000	No Univ.
1629 O7	250-21013	No Univ.	7700107434	250-24568	No Univ.	4239661	250-23092	No Univ.
1630 L7	250-21011	No Univ.	7700107438	250-24568	No Univ.	4570909	250-24409	No Univ.
1630 7E	250-21013	No Univ.	7700108027	250-24585	No Univ.	4570917	250-24353	No Univ.
1630 N6	250-21015	No Univ.	7700260909	250-23032	No Univ.	4571477	250-24410	No Univ.
1630 F9	250-21013	No Univ.	7700273273	250-23003	No Univ.	4660163	250-24177	No Univ.
1630 4R	250-21011	No Univ.	7700273715	250-23144	No Univ.	4660197	250-24048	No Univ.
1631 O8	250-21011	No Univ.	7700274190	250-24975	No Univ.	4660502	250-24135	No Univ.
16311 M	250-21015	No Univ.	7700279963	250-21011	250-21000	4662359	250-24135	No Univ.
1631 W7	250-21013	No Univ.	7700746375	250-23828	250-23000	4660445	250-24163	No Univ.
1631 4A	250-21011	No Univ.	7700854136	250-21011	250-21000	4660494	250-24163	No Univ.
1631 L5	250-21013	No Univ.						
1631 OK	250-21015	No Univ.						



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
SAAB (cont'd)			SEAT (cont'd)			SKODA		
55353148	250-24841	250-24883	06A 906 262 AR	250-24494	No Univ.	03L 906 262 E	250-25062	No Univ.
55353149	250-24353	No Univ.	06A 906 262 AS	250-24263	No Univ.	047 906 262	250-25007	No Univ.
7485600	250-23516	No Univ.	06A 906 262 BB	250-24432	No Univ.	047 906 265 B	250-24495	No Univ.
7525603	250-23028	No Univ.	06A 906 262 BD	250-25002	No Univ.	047 906 265 C	250-24495	No Univ.
7534795	250-21015	No Univ.	06A 906 262 BE	250-25002	No Univ.	06A 906 262 AF	250-25003	No Univ.
9132564	250-23100	No Univ.	06A 906 262 BH	250-25003	No Univ.	06A 906 262 AH	250-24494	No Univ.
9158718	250-24400	No Univ.	06A 906 262 BR	250-25061	No Univ.	06A 906 262 AJ	250-24494	No Univ.
9202575	250-24733	No Univ.	06A 906 262 BS	250-24753	No Univ.	06A 906 262 AK	250-24843	250-24883
93179226	800-95017	No Univ.	06A 906 262 P	250-24170	No Univ.	06A 906 262 AN	250-25004	No Univ.
93185453	250-25035	No Univ.	06A 906 262 Q	250-24734	No Univ.	06A 906 262 BB	250-24432	No Univ.
9392762	250-23048	No Univ.	06A 906 265 F	250-24558	No Univ.	06A 906 262 BC	250-25004	No Univ.
93186115	250-24612	No Univ.	06A 906 265 N	250-24494	No Univ.	06A 906 262 BG	250-24495	No Univ.
SEAT			06A 906 265 P	250-24558	No Univ.	06A 906 262 BH	250-25003	No Univ.
021 906 262	250-24000	No Univ.	06A 906 262 AJ	250-24431	No Univ.	06A 906 262 BL	250-24697	No Univ.
021 906 262 B	250-25003	No Univ.	06A 906 262 AN	250-25008	No Univ.	06A 906 262 BR	250-25061	No Univ.
021 906 265 A	250-24066	No Univ.	06A 906 265 N	250-24431	No Univ.	06A 906 262 BS	250-24753	No Univ.
021 906 265 AB	250-24594	No Univ.	06F 906 262 AC	250-25035	No Univ.	06A 906 262 F	250-24495	No Univ.
021 906 265 AK	250-24147	No Univ.	06F 906 262 D	250-24717	No Univ.	06A 906 262 Q	250-24734	No Univ.
021 906 265 AN	250-25003	No Univ.	06F 906 262 F	250-25078	No Univ.	06A 906 265 AM	250-24560	No Univ.
021 906 265 N	250-24066	No Univ.	06F 906 262 H	250-25033	No Univ.	06A 906 265 E	250-24560	No Univ.
021 906 265 R	250-24194	No Univ.	06F 906 262 J	250-25077	No Univ.	06A 906 265 F	250-24558	No Univ.
022 906 262 H	250-25008	No Univ.	06F 906 262 P	250-24699	No Univ.	06A 906 265 P	250-24558	No Univ.
022 906 262 J	250-25008	No Univ.	06F 906 262 S	250-24717	No Univ.	06B 906 265 A	250-24569	No Univ.
022 906 262 K	250-24263	No Univ.	06F 906 262 T	250-24717	No Univ.	06B 906 265 B	250-24577	No Univ.
022 906 262 L	250-24493	No Univ.	06F 906 262 A	250-25077	No Univ.	06B 906 265 D	250-25004	No Univ.
022 906 262 M	250-24170	No Univ.	06F 906 262 AJ	250-25033	No Univ.	06C 906 265	250-24432	No Univ.
022 906 262 N	250-25007	No Univ.	06J 906 262 A	250-24755	No Univ.	06F 906 262 AC	250-25035	No Univ.
022 906 262 P	250-25003	No Univ.	06J 906 262 J	250-24671	No Univ.	06F 906 262 AE	250-24955	No Univ.
022 906 262 Q	250-25004	No Univ.	06J 906 262 AA	250-25035	No Univ.	06F 906 262 D	250-24717	No Univ.
022 906 262 R	250-25008	No Univ.	06J 906 262 M	250-25049	No Univ.	06F 906 262 F	250-25078	No Univ.
022 906 262 S	250-24170	No Univ.	06K 906 262 D	250-24672	No Univ.	06F 906 262 H	250-25033	No Univ.
022 906 262 BL	250-25037	No Univ.	077 906 262 A	250-25008	No Univ.	06F 906 262 J	250-25077	No Univ.
030 906 262	250-24697	No Univ.	07C 906 262 AC	250-25020	No Univ.	06F 906 262 P	250-24699	No Univ.
030 906 262 A	250-24689	No Univ.	1K0 998 262	250-24689	No Univ.	06F 906 262 S	250-24717	No Univ.
030 906 262 C	250-24574	No Univ.	1K0 998 262 AD	800-95007	No Univ.	06F 906 262 T	250-24717	No Univ.
030 906 262 J	250-25002	No Univ.	1K0 998 262 D	250-25008	No Univ.	06F 906 262 A	250-25077	No Univ.
030 906 262 L	250-24432	No Univ.	1K0 998 262 E	250-24717	No Univ.	06J 906 262 A	250-24755	No Univ.
030 906 262 M	250-24495	No Univ.	1K0 998 262 H	250-25007	No Univ.	06J 906 262 J	250-24671	No Univ.
030 906 262 N	250-24432	No Univ.	1K0 998 262 Q	250-24432	No Univ.	06J906262AA	250-25035	No Univ.
030 906 265 AA	250-23023	No Univ.	1K0 998 262 AC	250-24432	No Univ.	078 906 265 M	250-24395	No Univ.
030 906 265 AD	250-24719	No Univ.	1K0 998 262 AD	250-25040	No Univ.	078 906 265 N	250-24414	No Univ.
030 906 265 BH	250-24719	No Univ.	1K0 998 262 B	250-24689	No Univ.	078 906 265 P	250-24414	No Univ.
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030 906 265 A	250-23153	No Univ.	1K0 998 262 M	250-25020	No Univ.	1K0 998 262 B	250-24697	No Univ.
034 906 265 F	250-23048	No Univ.	1K0 998 262 N	250-25037	No Univ.	1K0 998 262 E	250-24717	No Univ.
035 906 265 B	250-21011	250-21000	1K0 998 262 Q	250-24432	No Univ.	1K0 998 262 Q	250-24432	No Univ.
036 906 262 AA	250-24953	No Univ.	6K0 906 262 A	250-24576	No Univ.	1K0 998 262 S	250-24672	No Univ.
036 906 262 D	250-24569	No Univ.	6K0 906 262 C	250-25007	No Univ.	1K0 998 262 AD	250-25040	No Univ.
036 906 262 F	250-24940	No Univ.	SKODA			1K0 998 262 AE	250-25037	No Univ.
036 906 262 H	250-24494	No Univ.	003 165 007	250-23000	No Univ.	1K0 998 262 D	250-25008	No Univ.
036 906 262 T	250-25062	No Univ.	004 165 009	250-23154	No Univ.	1K0 998 262 Q	250-24432	No Univ.
037 906 265 S	250-24307	No Univ.	021 906 262 B	250-25003	No Univ.	6U0 906 265 B	250-24066	No Univ.
03C 906 262	250-24966	No Univ.	022 906 262 AM	250-25033	No Univ.	6U0 906 265 C	250-24066	No Univ.
03C 906 262 M	250-24753	No Univ.	022 906 262 AN	250-25040	No Univ.	6U0 906 265 D	250-24066	No Univ.
03C 906 262 A	250-25040	No Univ.	036 906 262 AA	250-24953	No Univ.	6U0 906 265 E	250-24540	No Univ.
03C 906 262 AA	250-24753	No Univ.	036 906 262 D	250-24569	No Univ.	SMART		
03C 906 262 T	250-241054	No Univ.	036 906 262 H	250-24494	No Univ.	135 542 01 18	250-24979	No Univ.
03D 906 265 A	250-24966	No Univ.	036 906 262 P	250-24699	No Univ.	135 542 02 18	250-24979	No Univ.
03D 906 265 C	250-24941	No Univ.	036 906 262 T	250-25062	No Univ.	SSANGYONG		
03E 906 262	250-25003	No Univ.	03C 906 262	250-24966	No Univ.	1625403517	250-241065	No Univ.
03E 906 262 B	250-24797	No Univ.	03C 906 262 A	250-25034	No Univ.	STERLING		
03F 906 262	250-25092	No Univ.	03C 906 262 M	250-24753	No Univ.	172 172500 19	250-21009	250-21000
03G 906 262 A	250-25040	No Univ.	03C 906 262 BF	250-24753	No Univ.	172 172500 31	250-21009	250-21000
03G 906 262 B	250-25065	No Univ.	03D 906 265	250-24941	No Univ.	172 172500 32	250-21009	250-21000
03L 906 262	800-95016	No Univ.	03D 906 265 A	250-24966	No Univ.	192 192500 53	250-21000	No Univ.
03L 906 262 D	250-25017	No Univ.	03D 906 265 B	250-24569	No Univ.	SUBARU		
03L 906 262 E	250-25062	No Univ.	03D 906 265 C	250-24941	No Univ.	14060AA001	250-21000	No Univ.
051 906 265 E	250-21037	250-21000	03E 906 262	250-25003	No Univ.	14061KA000	250-21011	250-21000
06A 906 262 AE	250-25003	No Univ.	03E 906 262 B	250-24797	No Univ.	1821350G00	250-24338	250-24200
06A 906 262 AF	250-25003	No Univ.	03F 906 262	250-25092	No Univ.	1821350G10	250-24335	250-24200
06A 906 262 AH	250-24494	No Univ.	03G 906 262	800-95005	No Univ.	1821360B00	250-21001	250-21000
06A 906 262 AJ	250-24494	No Univ.	03G 906 262 A	250-25040	No Univ.	1821362J00	250-24862	No Univ.
06A 906 262 AK	250-24843	250-24883	03G 906 262 B	250-25065	No Univ.			
06A 906 262 AN	250-25004	No Univ.	03G 906 262 G	250-25037	No Univ.			
06A 906 262 AQ	250-24493	No Univ.	03L 906 262 D	250-25017	No Univ.			



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
SUBARU (cont'd)			SUZUKI (cont'd)			TOYOTA (cont'd)		
22641AA032	250-54002	No Univ.	1821365D40	250-24336	No Univ.	8946510070	250-24151	250-24050
22641AA042	250-54004	No Univ.	1821365D41	250-24336	No Univ.	8946512360	250-21074	No Univ.
22641AA140	250-54011	No Univ.	1821365D42	250-24336	No Univ.	8946512400	250-24305	250-24200
22641AA160	250-54008	No Univ.	1821365G00	250-24372	No Univ.	8946512520	250-22003	No Univ.
22641AA180	250-54027	No Univ.	1821365G10	250-24442	No Univ.	8946512540	250-24106	250-24200
22641AA211	250-54058	No Univ.	1821365G32	250-24967	No Univ.	8946512550	250-24107	250-24200
22641AA230	250-54048	No Univ.	1821365G40	250-24291	No Univ.	8946512620	250-24486	No Univ.
22641AA25A	250-54074	No Univ.	1821365J00	250-54092	No Univ.	8946512700	250-24486	No Univ.
22641AA280	250-54011	No Univ.	1821365J11	250-24333	No Univ.	8946512750	250-24777	No Univ.
22641AA360	250-54027	No Univ.	1821367D00	250-24049	250-24400	8946512760	250-241021	No Univ.
22641AA381	250-54047	No Univ.	1821367D10	250-24407	No Univ.	8946512800	250-24420	No Univ.
22641AA420	250-54064	No Univ.	1821367D30	250-24372	No Univ.	8946512880	250-24924	No Univ.
22641AA480	250-54047	No Univ.	1821367D50	250-24333	No Univ.	8946512A50	250-24360	No Univ.
22641AA490	250-54058	No Univ.	1821368H01	250-24049	250-24400	8946513030	250-24777	No Univ.
22641AA510	250-54079	No Univ.	1821369L00000	250-25049	No Univ.	8946513040	250-24902	No Univ.
22641AA53A	250-54074	No Univ.	1821370H00	250-24852	No Univ.	8946516050	250-24360	No Univ.
22641AA540	250-54067	No Univ.	1821370H01	250-24400	No Univ.	8946516060	250-24107	250-24200
22690AA090	250-23083	250-23000	1821370H02	250-24852	No Univ.	8946516080	250-24360	No Univ.
22690AA091	250-23083	250-23000	1821373KA0	250-25099	No Univ.	8946516110	250-22010	250-22000
22690AA150	250-23083	250-23000	1821376J01	250-24049	250-24400	8946516120	250-24107	250-24200
22690AA161	250-23103	No Univ.	1821376J11	250-24336	No Univ.	8946517180	250-24360	No Univ.
22690AA170	250-23083	250-23000	1821379GA1	250-24907	No Univ.	8946517201	250-24404	No Univ.
22690AA310	250-23088	No Univ.	1821379GA2	250-24907	No Univ.	8946519155	250-21051	250-21050
22690AA321	250-23158	No Univ.	1821380A01	250-24049	250-24400	8946519265	250-21051	250-21050
22690AA341	250-23155	No Univ.	1821380C01	250-24336	No Univ.	8946519275	250-21051	250-21050
22690AA360	250-23103	No Univ.	1821380G02	250-24862	No Univ.	8946519295	250-24059	No Univ.
22690AA370	250-23162	No Univ.	1821380G12	250-24291	No Univ.	8946519305	250-24281	No Univ.
22690AA452	250-24884	No Univ.	1821380G21	250-24336	No Univ.	8946519316	250-21056	250-21050
22690AA491	250-24440	No Univ.	1821380K50	250-25034	No Univ.	8946519345	250-23051	250-23050
22690AA501	250-24440	No Univ.	1821386G01	250-24862	No Univ.	8946519366	250-24507	No Univ.
22690AA520	250-24440	No Univ.	1821386G11	250-24335	250-24200	8946519405	250-22052	250-22050
22690AA570	250-24322	No Univ.	18213M68KA0	250-25035	No Univ.	8946519435	250-21056	250-21050
22690AA590	250-24440	No Univ.				8946519455	250-23052	No Univ.
22690AA620	250-24888	No Univ.	TALBO			8946519485	250-22052	250-22050
22690AA630	250-24295	No Univ.	91 540 672	250-23047	No Univ.	8946519575	250-24151	250-24050
22690AA640	250-24295	No Univ.	96 027 244	250-24545	No Univ.	8946519595	250-24277	250-24250
22690AA650	250-24440	No Univ.	96 051 883	250-24184	No Univ.	8946519605	250-24288	250-24250
22690AA660	250-24888	No Univ.	96 138 608	250-24184	No Univ.	8946519665	250-22052	250-22050
22690AA740	250-23088	No Univ.				8946519675	250-24866	No Univ.
22690AA831	250-24922	No Univ.	TOYOTA			8946519705	250-24154	250-24250
22690AA840	250-24487	250-24400	8946501010	250-24000	No Univ.	8946520270	250-24360	No Univ.
22690AA930	250-24168	No Univ.	8946502040	250-24168	No Univ.	8946520280	250-24305	250-24200
22690KA000	250-21013	250-21000	8946502050	250-241061	No Univ.	8946520300	250-24151	250-24050
SUZUKI			8946502060	250-24710	No Univ.	8946520430	250-24360	No Univ.
1821377E00	250-24049	250-24400	8946502070	250-24968	No Univ.	8946520490	250-24360	No Univ.
1821383E01	250-24338	250-24200	8946502080	250-24902	No Univ.	8946520640	250-24305	250-24200
1821383000	250-21009	250-21000	8946502090	250-24902	No Univ.	8946520660	250-24225	No Univ.
1821383E11	250-241066	No Univ.	8946502100	250-24486	No Univ.	8946520670	250-24282	No Univ.
1821363E60	250-21043	No Univ.	8946502140	250-24777	No Univ.	8946520680	250-24623	No Univ.
1821350B01	250-21000	No Univ.	8946502150	250-24777	No Univ.	8946520690	250-24623	No Univ.
1821350G00	250-24338	250-24200	8946502180	250-24968	No Univ.	8946520710	250-24623	No Univ.
1821350G10	250-24335	250-24200	8946502270	250-24923	No Univ.	8946520720	250-24969	No Univ.
1821354D01	250-24291	No Univ.	8946502280	250-24420	No Univ.	8946520730	250-24169	No Univ.
1821354L00	250-54071	No Univ.	8946502310	250-24924	No Univ.	8946520740	250-24918	No Univ.
1821354LA0	250-25049	No Univ.	8946505020	250-24532	No Univ.	8946520750	250-24360	No Univ.
1821356B00	250-23004	250-23000	8946505020	250-24151	250-24050	8946520760	250-24404	No Univ.
1821356KB0	250-241029	No Univ.	8946505080	250-24777	No Univ.	8946520770	250-24924	No Univ.
1821357KA1	250-24852	No Univ.	8946505090	250-24902	No Univ.	8946520780	250-24331	No Univ.
1821358B20	250-24060	250-24200	8946505100	250-24360	No Univ.	8946520790	250-24225	No Univ.
1821358B21	250-24060	250-24200	8946505110	250-24225	No Univ.	8946520800	250-24305	250-24200
1821360B00	250-21001	250-21000	8946505120	250-24969	No Univ.	8946520810	250-24927	No Univ.
1821360G00	250-24400	No Univ.	8946505130	250-24137	250-24200	8946520880	250-24305	250-24200
1821360G01	250-24335	250-24200	8946505190	250-24420	No Univ.	8946528220	250-24305	250-24200
1821360J00	250-24335	250-24200	894650D010	250-24874	No Univ.	8946528230	250-24225	No Univ.
1821360J01	250-24862	No Univ.	894650D020	250-24901	No Univ.	8946528270	250-24331	No Univ.
1821362J01	250-24862	No Univ.	894650D030	250-24176	No Univ.	8946528280	250-24137	250-24200
1821362J12	250-24335	250-24200	894650D040	250-24360	No Univ.	8946528290	250-24623	No Univ.
1821363J01	250-24862	No Univ.	894650D050	250-24901	No Univ.	8946528340	250-24855	No Univ.
1821363J12	250-24335	250-24200	894650D060	250-24889	No Univ.	8946529285	250-24051	No Univ.
1821364B00	250-21070	No Univ.	894650D070	250-24176	No Univ.	8946529295	250-24050	No Univ.
1821364F00	250-24400	No Univ.	894650D080	250-24906	No Univ.	8946529316	250-21051	250-21050
1821364J10	250-54034	No Univ.	894650D110	250-24906	No Univ.	8946529365	250-24156	No Univ.
1821365D01	250-24338	250-24200	894650D120	250-24176	No Univ.	8946529375	250-24158	No Univ.
1821365D30	250-24049	250-24400	894650D130	250-24874	No Univ.	8946529415	250-22052	250-22050
1821365D31	250-24049	250-24400	894650H010	250-24710	No Univ.	8946529445	250-21054	No Univ.
			894650H020	250-24901	No Univ.	8946529495	250-24052	250-24050



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
TOYOTA (cont'd)			TOYOTA (cont'd)			VAUXHALL (cont'd)		
8946529545	250-24151	250-24050	8946552220	250-24298	250-24200	12567680	250-24713	No Univ.
8946529675	250-24153	250-24250	8946552450	250-24298	250-24200	12596688	250-24773	No Univ.
8946529765	250-24050	No Univ.	8946552540	250-24169	No Univ.	12612430	250-24649	No Univ.
8946529815	250-24154	250-24250	8946553030	250-24344	No Univ.	12620176	250-25049	No Univ.
8946529825	250-24154	250-24250	8946553050	250-24938	No Univ.	24404020	250-25010	No Univ.
8946530340	250-24305	250-24200	8946553130	250-24305	250-24200	25163613	250-21038	250-21000
8946530660	250-24106	250-24200	8946560150	250-24169	No Univ.	25164596	250-21001	250-21000
8946532160	250-24305	250-24200	8946560220	250-24487	250-24400	25312200	250-24012	250-24000
8946533120	250-24839	250-24883	8946560230	250-24906	No Univ.	25321313	250-24591	No Univ.
8946533130	250-24106	250-24200	8946560290	250-24360	No Univ.	25323632	250-24400	No Univ.
8946533180	250-24360	No Univ.	8946560300	250-24360	No Univ.	25335280	250-24592	No Univ.
8946533220	250-24420	No Univ.	8946569025	250-24051	No Univ.	55353269	250-24920	No Univ.
8946533230	250-24839	250-24883	8946569035	250-24150	No Univ.	55560617	250-24648	No Univ.
8946533250	250-24360	No Univ.	8946569085	250-24157	No Univ.	55351836	250-24497	No Univ.
8946533260	250-24225	No Univ.	8946569115	250-24501	No Univ.	55355106	250-25010	No Univ.
8946533340	250-24839	250-24883	8946569125	250-24501	No Univ.	55564978	250-25049	No Univ.
8946533360	250-24360	No Univ.	8946569175	250-24154	250-24250	55566184	250-25049	No Univ.
8946533420	250-24225	No Univ.	8946574010	250-24420	No Univ.	55568266	250-24612	No Univ.
8946533440	250-24360	No Univ.	8946574020	250-24420	No Univ.	55568668	250-24846	No Univ.
8946535580	250-24360	No Univ.	8946580007	250-24153	250-24250	55572548	800-95017	No Univ.
8946535670	250-24360	No Univ.	8946580011	250-24154	250-24250	55574474	800-95018	No Univ.
8946535680	250-24360	No Univ.	8946580034	250-24154	250-24250	90009053	250-23138	250-23000
8946536050	250-24106	250-24200	8946580035	250-24154	250-24250	90350495	250-23138	250-23000
8946536060	250-24344	No Univ.	8946597404	250-22010	250-22000	90397524	250-23146	250-23000
8946539195	250-24050	No Univ.	8946597407	250-24344	No Univ.	90411959	250-24803	250-24882
8946539205	250-21051	250-21050	8946712020	800-94005	No Univ.	90509274	250-23826	250-23000
8946539226	250-24051	No Univ.	8946712030	250-54006	No Univ.	90509276	250-24807	250-24882
8946539305	250-24152	No Univ.	8946712130	250-25034	No Univ.	90528253	250-24806	250-24882
8946539325	250-24152	No Univ.	8946720030	250-54006	No Univ.	90528640	250-24807	250-24882
8946539345	250-24050	No Univ.	8946720060	800-94002	No Univ.	90530586	250-24806	250-24882
8946539355	250-24056	No Univ.	8946720070	800-94005	No Univ.	90536393	250-24803	250-24882
8946539405	250-21053	250-21050	8946728010	250-54007	No Univ.	90541930	250-23138	250-23000
8946539435	250-24151	250-24050	8946728030	250-54002	No Univ.	90543281	250-241024	No Univ.
8946539446	250-24151	250-24050	8946728040	250-54003	No Univ.	91142813	250-23146	250-23000
8946539485	250-24052	250-24050	8946730010	250-54050	No Univ.	9118698	250-24788	No Univ.
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8946539735	250-24154	250-24250	8946733060	250-54074	No Univ.	9193148	250-24648	No Univ.
8946539755	250-24154	250-24250	8946733080	250-54007	No Univ.	9193654	250-24648	No Univ.
8946539825	250-24153	250-24250	8946733090	250-54007	No Univ.	9195606	250-24682	No Univ.
8946539835	250-24154	250-24250	8946734021	250-54051	No Univ.	9199469	250-24648	No Univ.
8946539855	250-24154	250-24250	8946735021	250-54052	No Univ.	9199470	250-24612	No Univ.
8946539895	250-24154	250-24250	8946741011	250-54054	No Univ.	9199590	250-24648	No Univ.
8946541050	250-24344	No Univ.	8946741021	250-54054	No Univ.	9199591	250-24682	No Univ.
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8946542070	250-24855	No Univ.	8946742020	250-54078	No Univ.	9202576	250-24571	No Univ.
8946542090	250-24137	250-24200	8946742070	800-94003	No Univ.	9202577	250-24984	No Univ.
8946542100	250-24137	250-24200	8946744030	250-54002	No Univ.	9202575	250-24733	No Univ.
8946542120	250-24918	No Univ.	8946747010	250-54006	No Univ.	92068286	250-25049	No Univ.
8946542170	250-24360	No Univ.	8946760010	250-54008	No Univ.	93179226	800-95017	No Univ.
8946542210	250-24483	No Univ.	8946764020	800-94002	No Univ.	93174519	250-24735	No Univ.
8946542220	250-24839	250-24883	8946771020	250-54050	No Univ.	93177153	250-24853	No Univ.
8946544020	250-24344	No Univ.	8946774020	250-25034	No Univ.	93177169	250-24648	No Univ.
8946544040	250-24305	250-24200	8946720020	250-54059	No Univ.	93177187	250-24648	No Univ.
8946544050	250-24137	250-24200	8946720040	250-54094	No Univ.	93177450	250-24648	No Univ.
8946544060	250-24137	250-24200	8946720050	250-54095	No Univ.	93177451	250-24648	No Univ.
8946544110	250-24244	No Univ.	8946728090	250-54006	No Univ.	93181910	250-24846	No Univ.
8946547050	250-24360	No Univ.	8946733050	250-54059	No Univ.	93184575	250-24853	No Univ.
8946547060	250-24298	250-24200	8946733120	250-54059	No Univ.	93185159	800-95018	No Univ.
8946547070	250-24623	No Univ.	8946733130	250-54059	No Univ.	93185453	250-25035	No Univ.
8946547080	250-24870	No Univ.	8946742140	250-54059	No Univ.	93186115	250-24612	No Univ.
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8946549045	250-24974	No Univ.	8946752070	250-54050	No Univ.	93186278	250-24853	No Univ.
8946550040	250-24169	No Univ.	8946752110	250-54066	No Univ.	93188908	800-95018	No Univ.
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8946550150	250-24169	No Univ.	8946774030	250-54006	No Univ.	93182927	250-24682	No Univ.
8946550190	250-24924	No Univ.	VAUXHALL			93184701	250-24853	No Univ.
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8946552200	250-24298	250-24200				93190419	250-24612	No Univ.



O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
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93194878	250-25099	No Univ.	030 906 265 AD	250-24719	No Univ.	06A 906 262 BG	250-24495	No Univ.
93196108	800-95026	No Univ.	030 906 265 BH	250-24719	No Univ.	06A 906 262 BK	800-95005	No Univ.
96418971	250-24628	No Univ.	030 906 265 CB	250-24560	No Univ.	06A 906 262 BL	250-24697	No Univ.
96415640	250-24789	No Univ.	030 906 265 F	250-23822	250-23000	06A 906 262 BR	250-25061	No Univ.
97024256	250-24389	250-24200	030 906 265 J	250-23822	250-23000	06A 906 262 BS	250-24753	No Univ.
97062292	250-23004	250-23000	030 906 265 K	250-23023	No Univ.	06A 906 262 CF	250-25061	No Univ.
97224011	250-24490	250-24200	030 906 265 N	250-23822	250-23000	06A 906 262 CG	250-25033	No Univ.
98075140	250-54091	No Univ.	030 906 265 Q	250-23139	No Univ.	06A 906 262 CL	250-24692	No Univ.
VOLKSWAGEN			030 906 265 C	250-23018	250-23000	06A 906 262 CM	250-24495	No Univ.
021 906 262	250-24000	No Univ.	032 906 265	250-24555	No Univ.	06A 906 262 CN	250-24495	No Univ.
021 906 262 B	250-25003	No Univ.	032 906 265 C	250-24582	No Univ.	06A 906 262 CR	250-25092	No Univ.
021 906 262 C	250-24494	No Univ.	032 906 265 F	250-24264	No Univ.	06A 906 262 CS	250-24753	No Univ.
021 906 265 A	250-24066	No Univ.	032 906 265 G	250-24941	No Univ.	06A 906 262 CT	250-24495	No Univ.
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021 906 265 AC	250-24417	No Univ.	035 906 265 B	250-21011	250-21000	06A 906 262 DE	250-25033	No Univ.
021 906 265 AG	250-24146	No Univ.	036 906 262 AA	250-24953	No Univ.	06A 906 262 F	250-24495	No Univ.
021 906 265 AK	250-24147	No Univ.	036 906 262 D	250-24569	No Univ.	06A 906 262 N	250-24494	No Univ.
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022 906 262 R	250-25008	No Univ.	03L 906 262 E	250-25062	No Univ.	077 906 262 D	250-25003	No Univ.
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O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number	O.E.M. Part Number	Direct Fit Part Number	Universal Part Number
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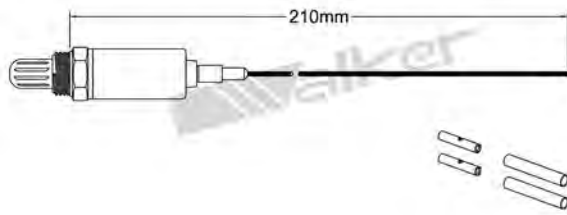
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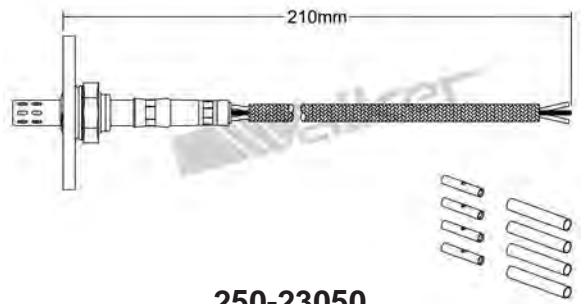
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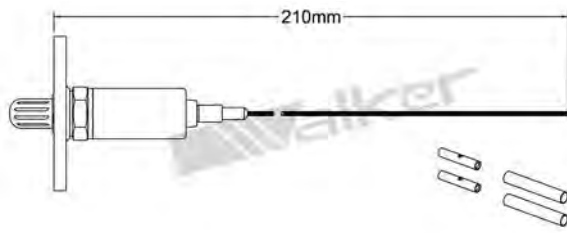
All universals are not identical. Please refer to the application guide for selection of the correct universal sensor.



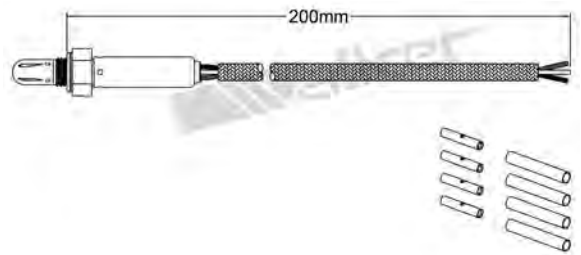
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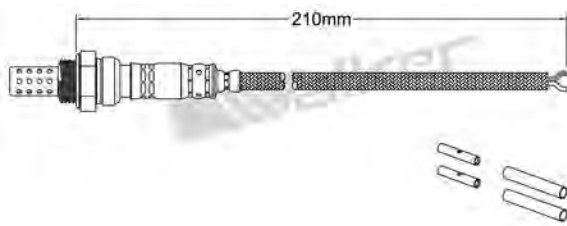
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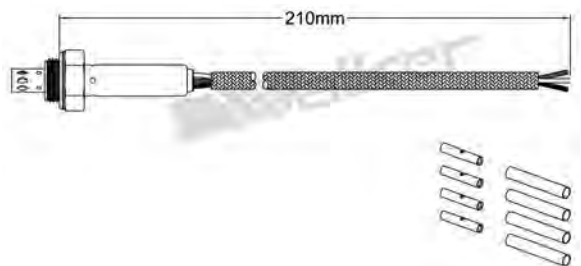
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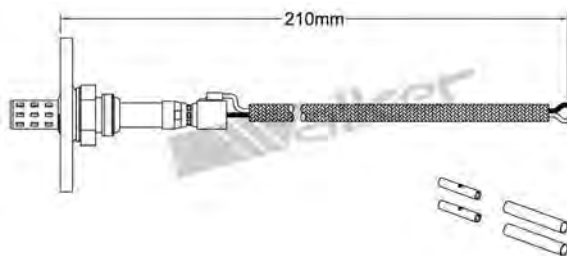
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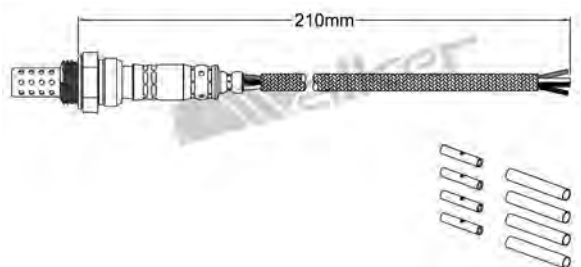
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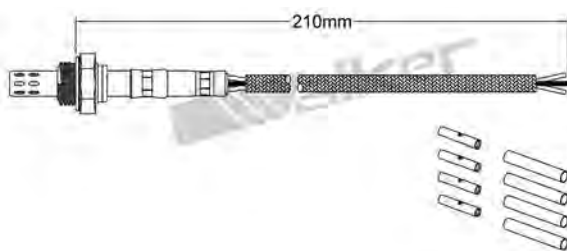
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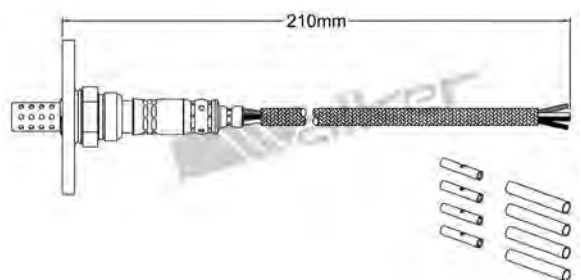
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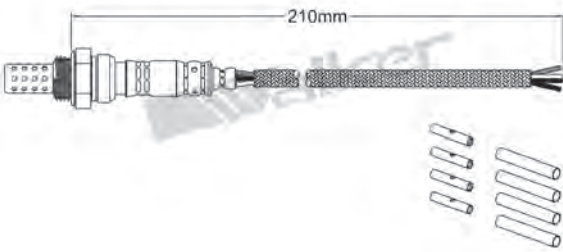
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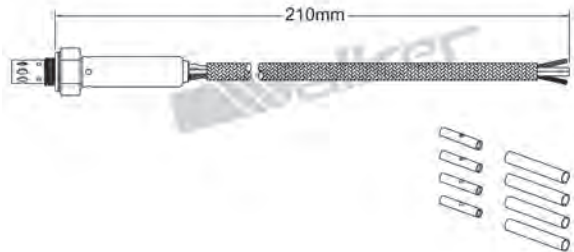
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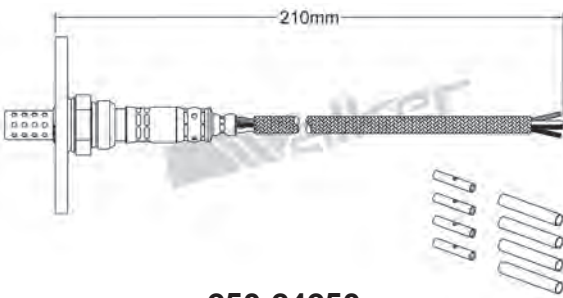
All universals are not identical. Please refer to the application guide for selection of the correct universal sensor.



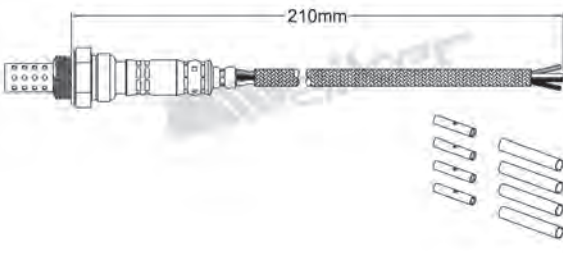
250-24200
UNIVERSAL FOUR WIRE



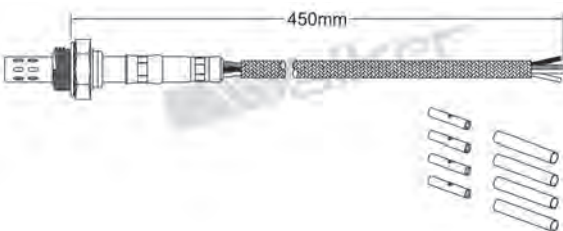
250-24883
UNIVERSAL FOUR WIRE



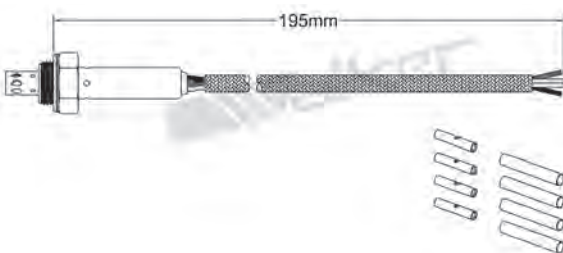
250-24250
UNIVERSAL FOUR WIRE



250-24400
UNIVERSAL FOUR WIRE

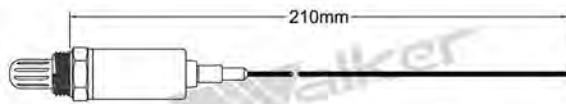


250-24600
UNIVERSAL FOUR WIRE



250-24882
UNIVERSAL FOUR WIRE

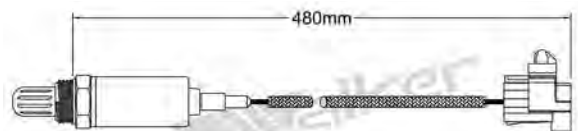




250-21000

BMW 1984-1986 / DAIHATSU 1985-up
DELOREAN 1981-1982 / HONDA 1986-1995 / HYUNDAI 1989-1992
LANCIA 1986-1992 / MAZDA 1986-1995 / MERCEDES 1980-1985
MITSUBISHI 1984-1990 / NISSAN 1984-1996 / RENAULT 1986-1994
SUBARU 1988-1990 / SUZUKI 1985-up / VOLKSWAGEN 1989-1992

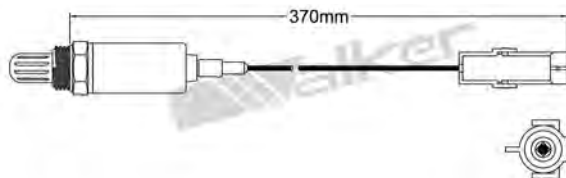
Unheated Lambda Sensor



250-21010

KIA 1994-2000 / MAZDA 1989-1994

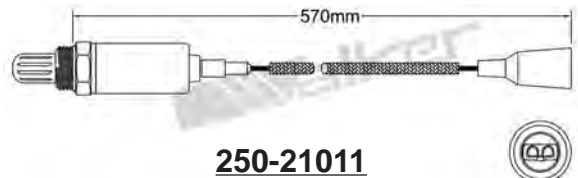
Unheated Lambda Sensor



250-21001

DAEWOO 1993-up / OPEL 1984-2005
SUBARU 1995-2003 / SUZUKI 1989-1996
VAUXHALL 1986-2001

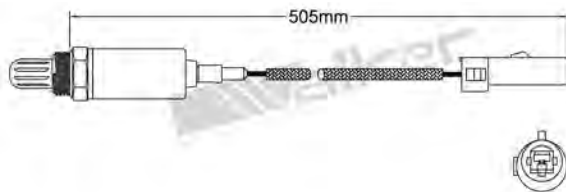
Unheated Lambda Sensor



250-21011

AUDI 1977-1994 / FIAT 1985-1989
JAGUAR 1980-1984 / LANCIA 1985-1989
NISSAN 1987-1992 / PEUGEOT 1980-1984
PININFARINA 1982-1985 / RENAULT 1985-1996
SEAT 1991-1993 / SUBARU 1987-1994
VOLKSWAGEN 1983-1993

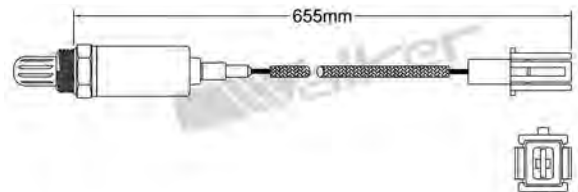
Unheated Lambda Sensor



250-21005

MITSUBISHI 1986-1991

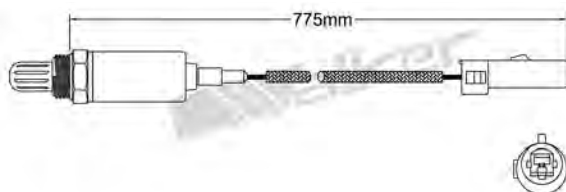
Unheated Lambda Sensor



250-21012

MAZDA 1983-1992 / MITSUBISHI 1988-1990

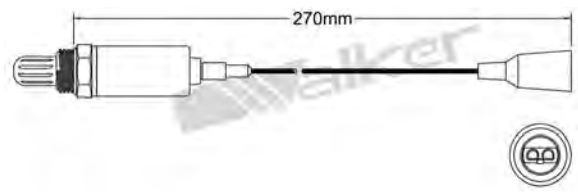
Unheated Lambda Sensor



250-21007

HYUNDAI 1988-2000 / MITSUBISHI 1984-1996

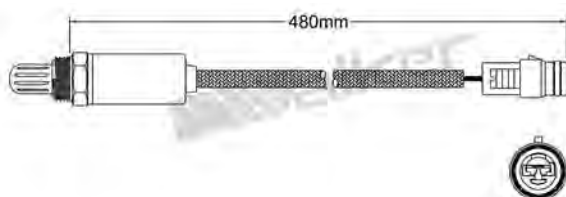
Unheated Lambda Sensor



250-21013

JAGUAR 1980-1984 / NISSAN 1982-2000
PEUGEOT 1980-1984 / SUBARU 1986-1995

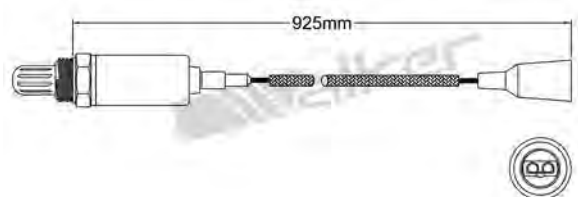
Unheated Lambda Sensor



250-21009

HONDA 1985-1995
ROVER 1988-2000 / SUZUKI 1988-up

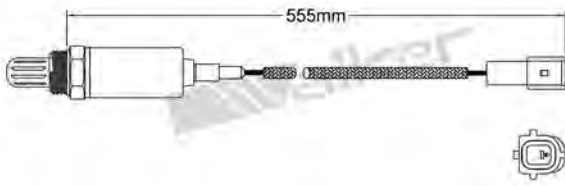
Unheated Lambda Sensor



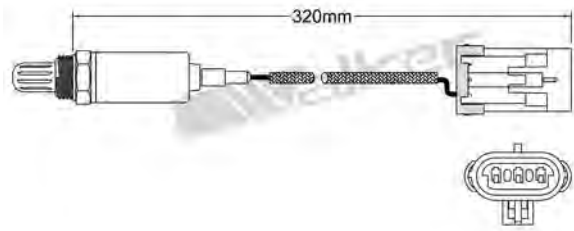
250-21015

BMW 1986-1986 / JAGUAR 1980-1983
PEUGEOT 1980-1984 / SAAB 1978-1989

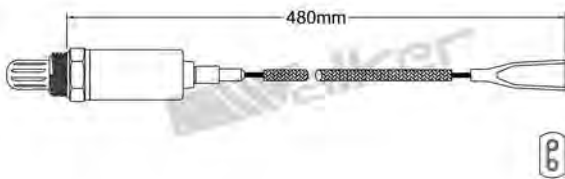
Unheated Lambda Sensor



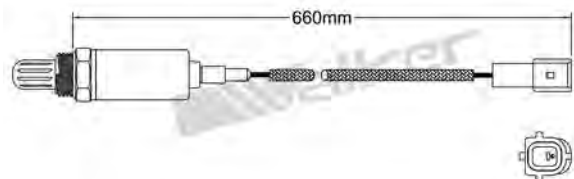
250-21020
MAZDA 1989-up
Unheated Lambda Sensor



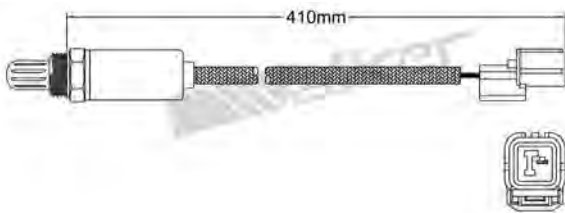
250-21038
OPEL 1993-1999 / VAUXHALL 1993-1999
Unheated Lambda Sensor



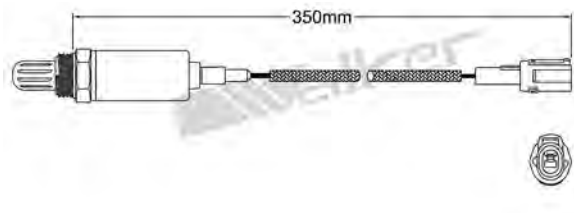
250-21024
VOLKSWAGEN 1983-1985
Unheated Lambda Sensor



250-21039
FIAT 1994-1998
Unheated Lambda Sensor



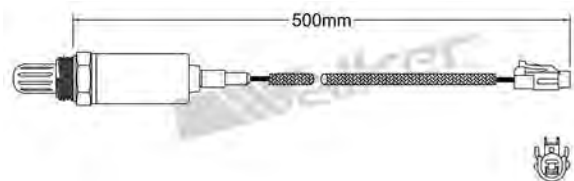
250-21031
HONDA 1995-2001
Unheated Lambda Sensor



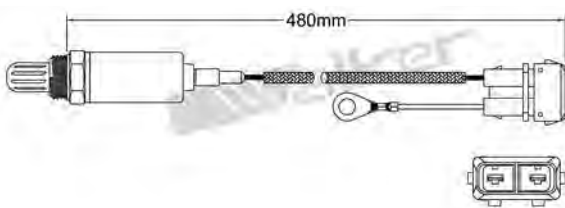
250-21041
DAIHATSU 1998-2000
Unheated Lambda Sensor



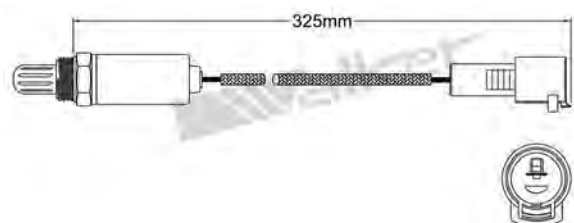
250-21035
MAZDA 1990-1993
Unheated Lambda Sensor



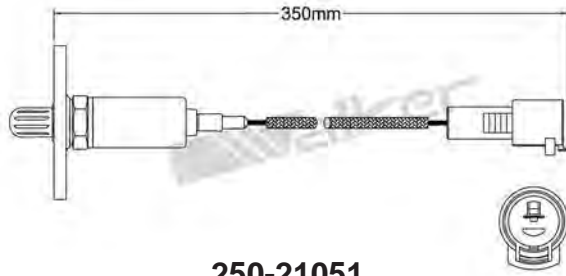
250-21043
SUZUKI 1994-2002
Unheated Lambda Sensor



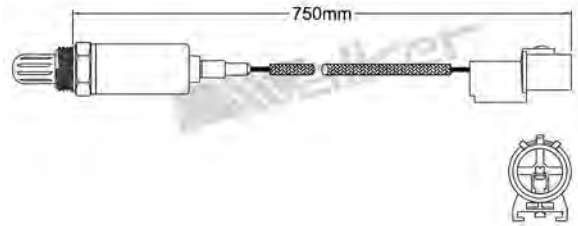
250-21037
SEAT 1993-1995 / VOLKSWAGEN 1990-1997
Unheated Lambda Sensor



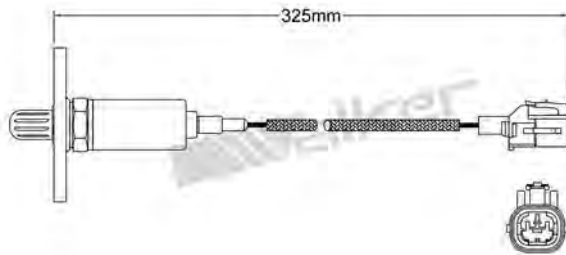
250-21044
DAIHATSU 1997-2000
Unheated Lambda Sensor



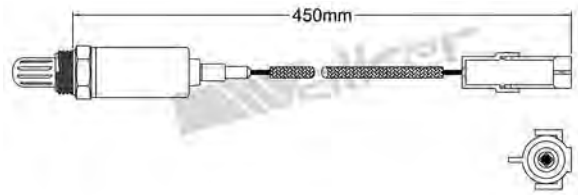
250-21051
TOYOTA 1985-1992
Unheated Lambda Sensor



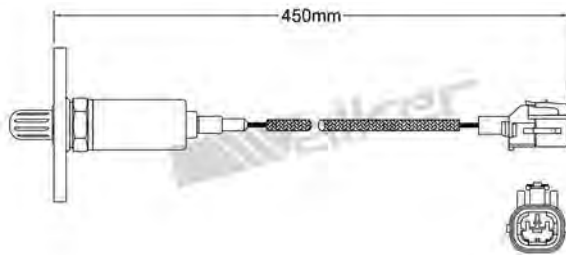
250-21066
HYUNDAI 1998-2001
Unheated Lambda Sensor



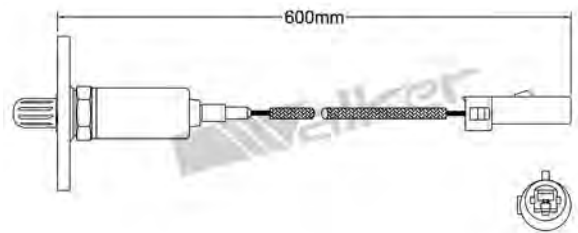
250-21053
TOYOTA 1985-1996
Unheated Lambda Sensor



250-21070
SUZUKI 1990-1996
Unheated Lambda Sensor



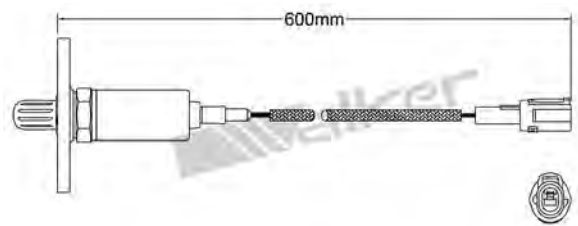
250-21054
TOYOTA 1992-1995
Unheated Lambda Sensor



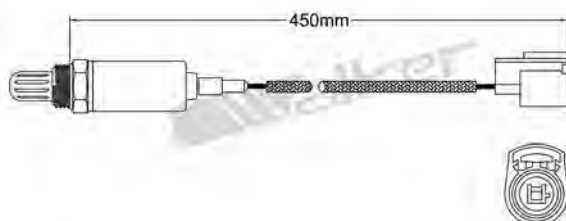
250-21072
DAIHATSU 1990-1994
Unheated Lambda Sensor



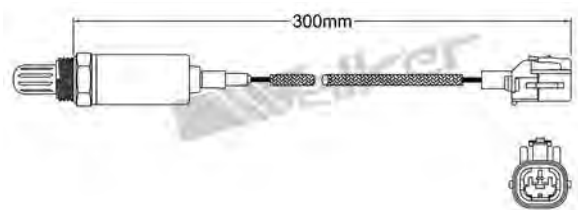
250-21056
DAIHATSU 1989-1997 / TOYOTA 1982-1989
Unheated Lambda Sensor



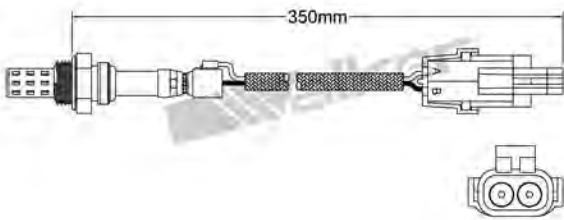
250-21073
DAIHATSU 1992-up
Unheated Lambda Sensor



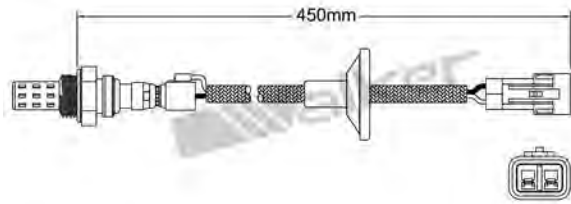
250-21061
MITSUBISHI 1989-1995
Unheated Lambda Sensor



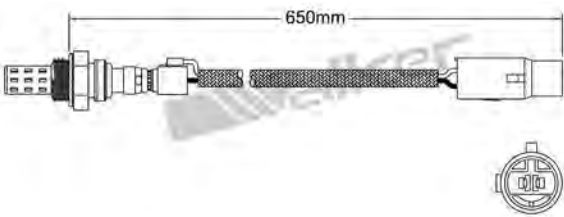
250-21074
DAIHATSU 1998-2003
Unheated Lambda Sensor



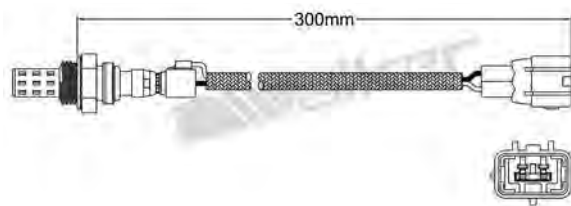
250-22001
DAEWOO 1997-2005
Unheated Lambda Sensor



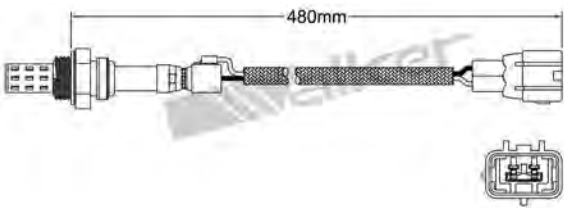
250-22009
LEXUS 1989-1992
Unheated Lambda Sensor



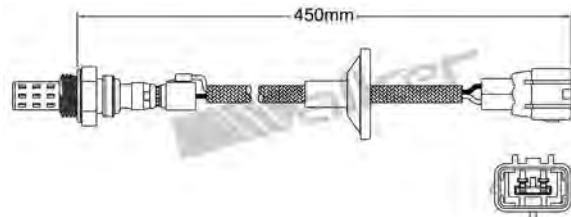
250-22002
MITSUBISHI 1989-1992
Unheated Lambda Sensor



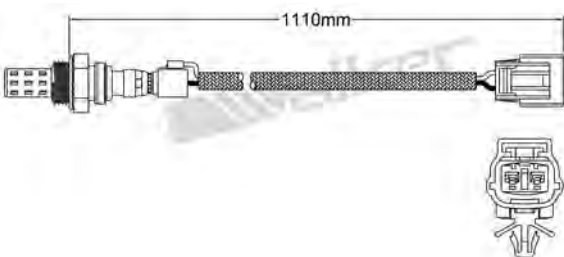
250-22010
TOYOTA 1996-1999
Unheated Lambda Sensor



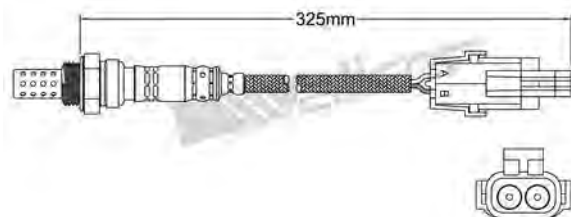
250-22003
TOYOTA 1992-1995
Unheated Lambda Sensor



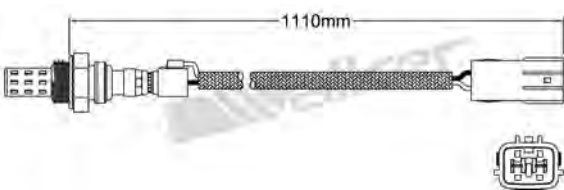
250-22011
LEXUS 1989-1994
Unheated Lambda Sensor



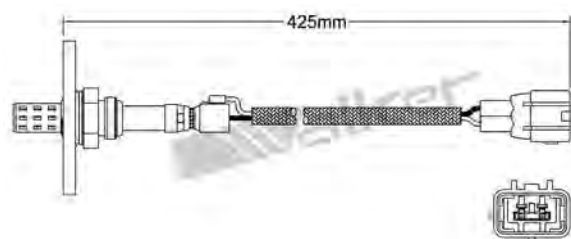
250-22004
MAZDA 1991-up
Unheated Lambda Sensor



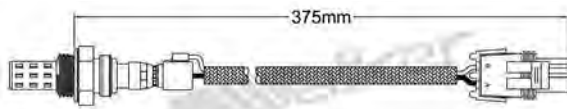
250-22015
CHEVROLET 2005-up / DAEWOO 1997-up
Unheated Lambda Sensor



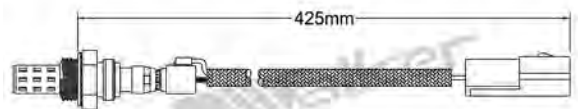
250-22006
MAZDA 1989-1992
Unheated Lambda Sensor



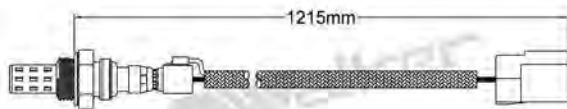
250-22052
TOYOTA 1990-1995
Unheated Lambda Sensor



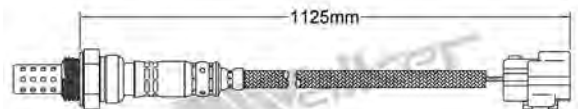
250-22063
RENAULT 1993-1997
Unheated Lambda Sensor



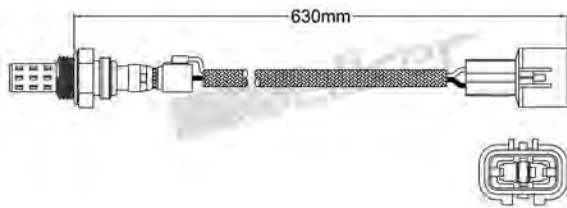
250-22076
CHEVROLET 2005 / DAEWOO 1997-2005
Unheated Lambda Sensor



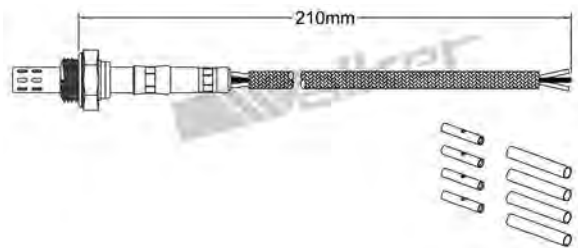
250-22065
MITSUBISHI 1988-1990
Unheated Lambda Sensor



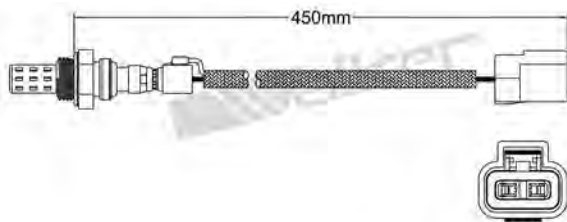
250-22085
MAZDA 1989-1996
Unheated Lambda Sensor



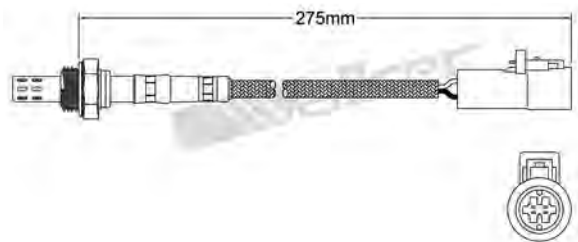
250-22066
HYUNDAI 1993-up / MITSUBISHI 1990-up
Unheated Lambda Sensor



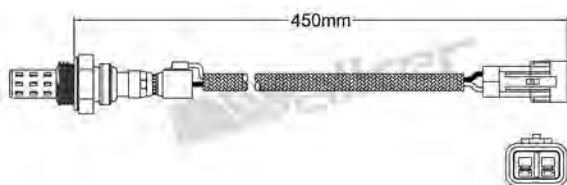
250-23000
MAZDA 1998-2000 / MERCEDES 1989-1995
Heated Lambda Sensor



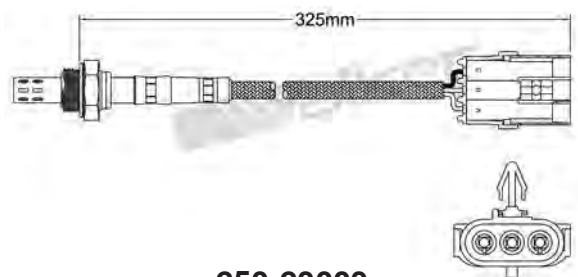
250-22067
MITSUBISHI 1990-1991
Unheated Lambda Sensor



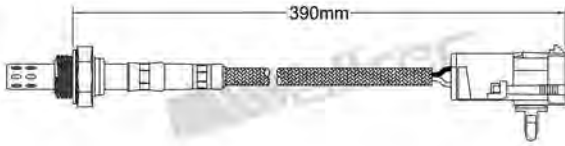
250-23002
FORD USA 1989-1991
Heated Lambda Sensor



250-22068
TOYOTA 1989-1992
Unheated Lambda Sensor



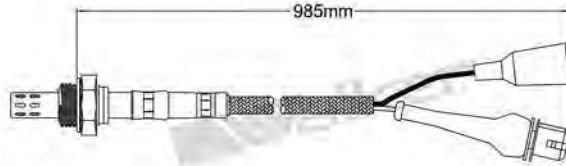
250-23003
RENAULT 1992-1998
Heated Lambda Sensor



250-23004

OPEL 1992-1998 / SUZUKI 1989-1998
VAUXHALL 1991-1996

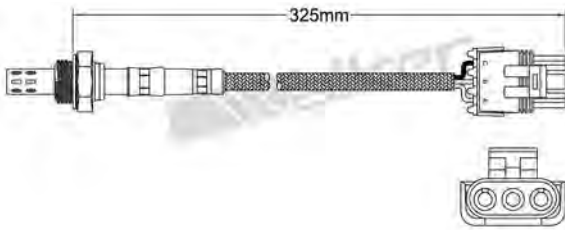
Heated Lambda Sensor



250-23019

ALFA ROMEO 1989-1992 / AUDI 1990-up
JAGUAR 1986-1997 / LANCIA 1989-1990
VOLKSWAGEN 1982-1991 / VOLVO 1985-1993

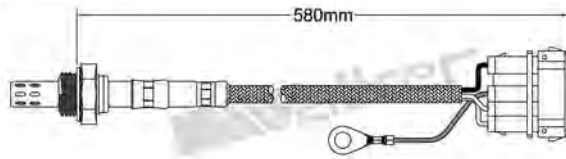
Heated Lambda Sensor



250-23005

RENAULT 1992-2001

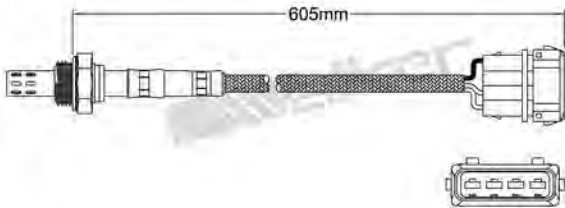
Heated Lambda Sensor



250-23023

JEEP 1999-2000 / SEAT 1993-1996
VOLKSWAGEN 1988-1997

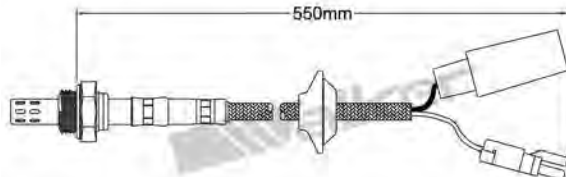
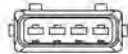
Heated Lambda Sensor



250-23013

VOLKSWAGEN 1990-1995

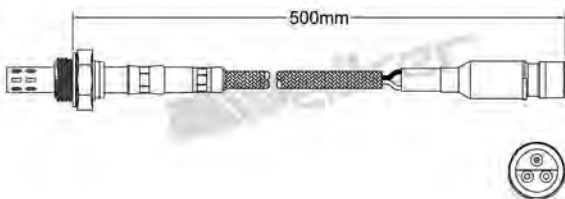
Heated Lambda Sensor



250-23024

PORSCHE 1983-1986

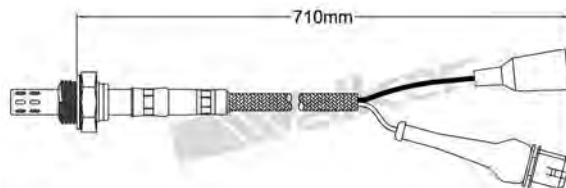
Heated Lambda Sensor



250-23016

BMW 1985-1986

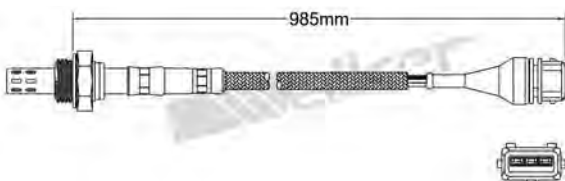
Heated Lambda Sensor



250-23028

AUDI 1990-2000 / FERRARI 1986-1987
FIAT 1985-1990 / LANCIA 1987-1992
SAAB 1987-1989 / VOLVO 1985-1992

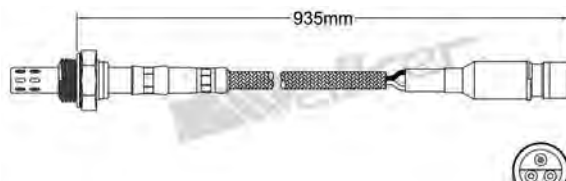
Heated Lambda Sensor



250-23018

VOLKSWAGEN 1985-1996

Heated Lambda Sensor

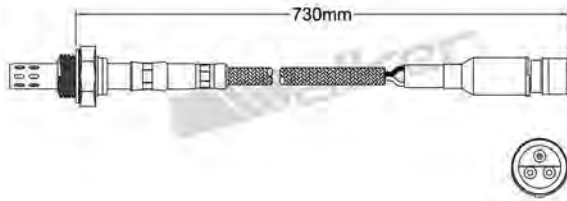


250-23029

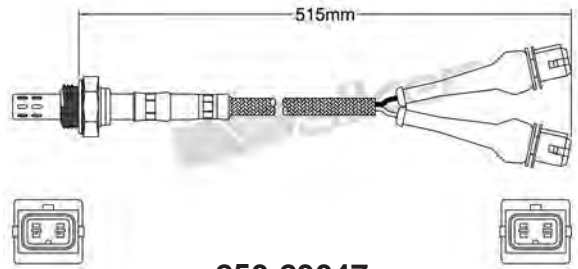
PORSCHE 1985-1995

Heated Lambda Sensor

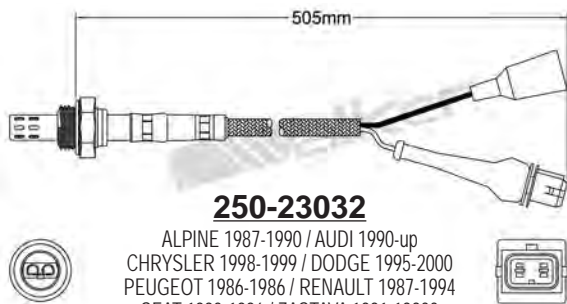




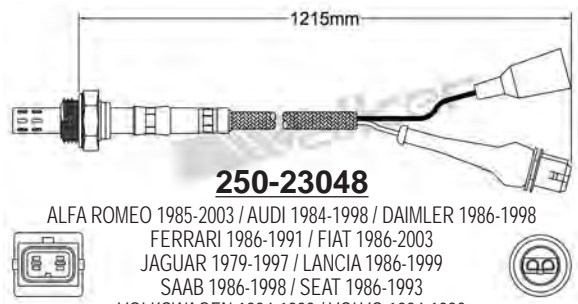
250-23031
BMW 1984-1991
Heated Lambda Sensor



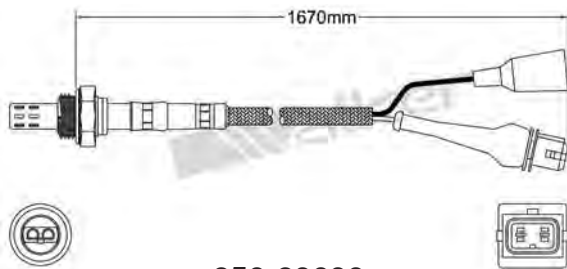
250-23047
FIAT 1988-1994 / PEUGEOT 1980-1994
Heated Lambda Sensor



250-23032
ALPINE 1987-1990 / AUDI 1990-up
CHRYSLER 1998-1999 / DODGE 1995-2000
PEUGEOT 1986-1986 / RENAULT 1987-1994
SEAT 1992-1996 / ZASTAVA 1991-19933
Heated Lambda Sensor



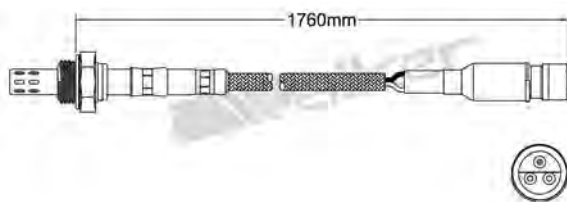
250-23048
ALFA ROMEO 1985-2003 / AUDI 1984-1998 / DAIMLER 1986-1998
FERRARI 1986-1991 / FIAT 1986-2003
JAGUAR 1979-1997 / LANCIA 1986-1999
SAAB 1986-1998 / SEAT 1986-1993
VOLKSWAGEN 1984-1992 / VOLVO 1984-1993
Heated Lambda Sensor



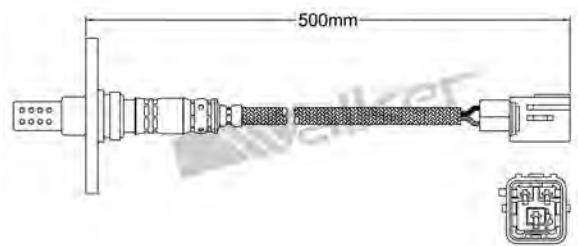
250-23033
ALFA ROMEO 1990-1994 / VOLVO 1984-1996
Heated Lambda Sensor



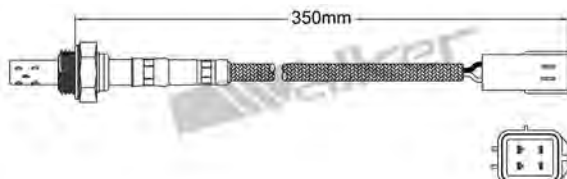
250-23051
TOYOTA 1987-1990
Heated Lambda Sensor



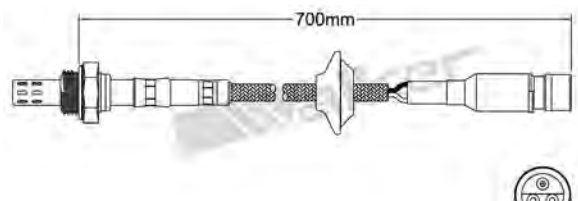
250-23034
BMW 1985-1989
Heated Lambda Sensor



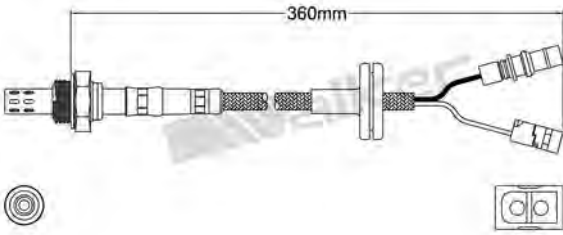
250-23052
TOYOTA 1990-1993
Heated Lambda Sensor



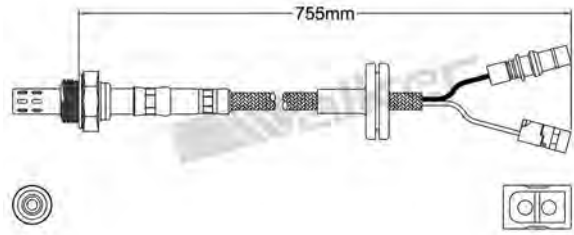
250-23042
MAZDA 1994-1999
Heated Lambda Sensor



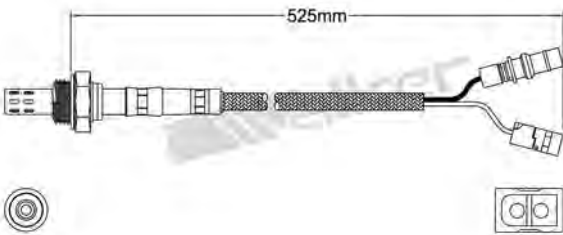
250-23060
PORSCHE 1985-1995
Heated Lambda Sensor



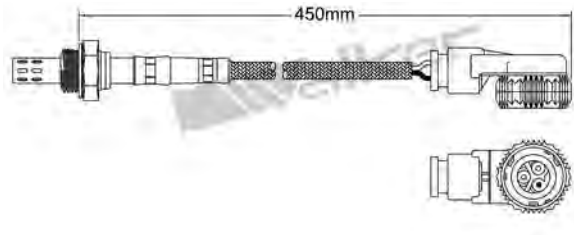
250-23063
DODGE 1995-1997 / MERCEDES 1986-1996
Heated Lambda Sensor



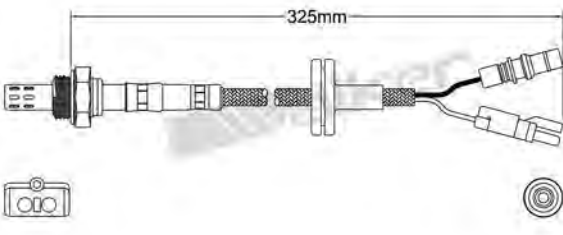
250-23073
MERCEDES 1979-1993
Heated Lambda Sensor



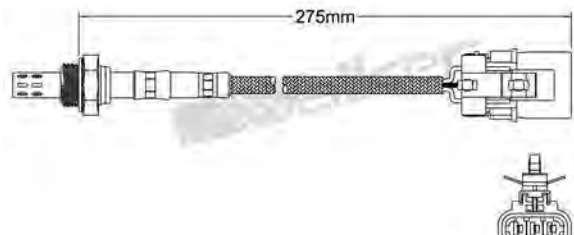
250-23066
MERCEDES 1985-1993
Heated Lambda Sensor



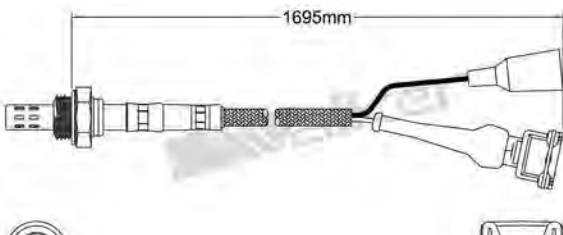
250-23074
CHRYSLER 1993-1997 / MERCEDES 1989-up
Heated Lambda Sensor



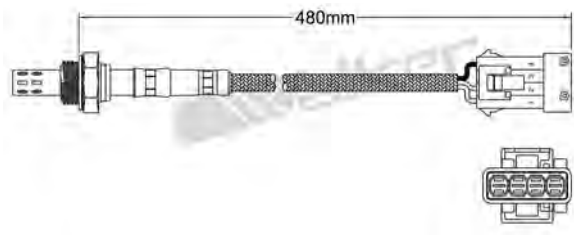
250-23067
MERCEDES 1982-up
Heated Lambda Sensor



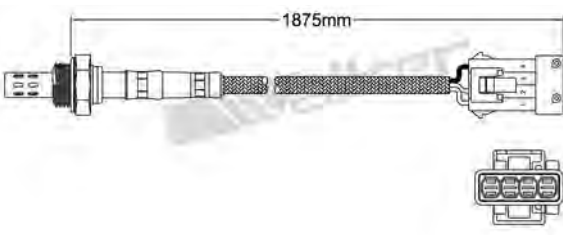
250-23075
NISSAN 1996-2000
Heated Lambda Sensor



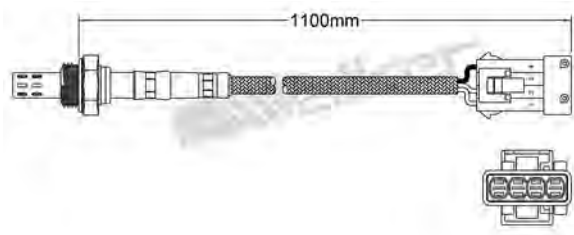
250-23069
VOLVO 1993-1993
Heated Lambda Sensor



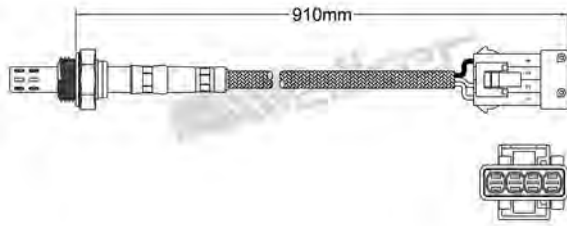
250-23078
SAAB 1993-1998
Heated Lambda Sensor



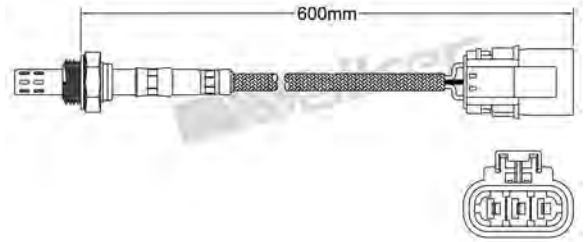
250-23070
VOLVO 1993-1995
Heated Lambda Sensor



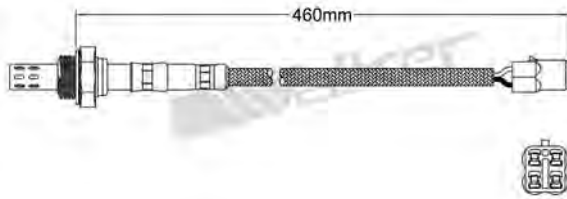
250-23079
SAAB 1990-2000
Heated Lambda Sensor



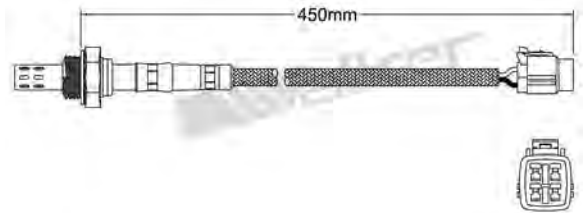
250-23080
VOLVO 1993-1998
Heated Lambda Sensor



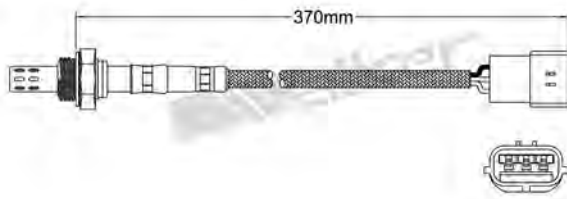
250-23087
NISSAN 1993-2002
Heated Lambda Sensor



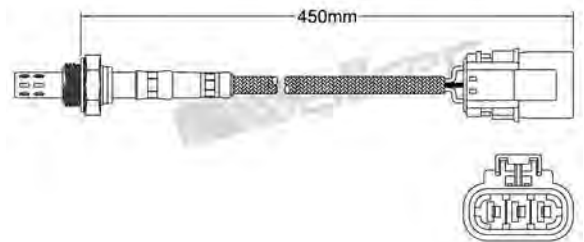
250-23083
SUBARU 1989-2003
Heated Lambda Sensor



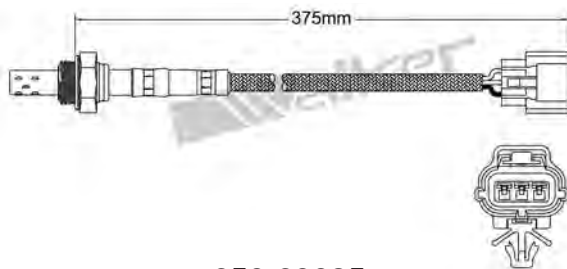
250-23088
SUBARU 1996-2000
Heated Lambda Sensor



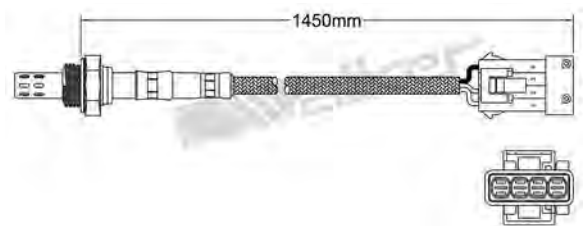
250-23084
FORD USA 1997-1998
KIA 1994-1998 / MAZDA 1990-1996
Heated Lambda Sensor



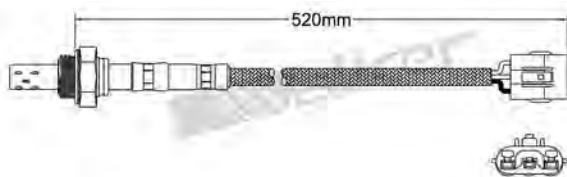
250-23089
NISSAN 1988-2002
Heated Lambda Sensor



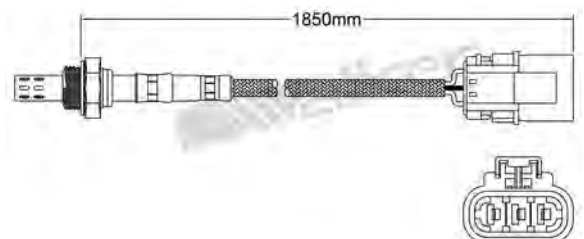
250-23085
MAZDA 1994-1995
Heated Lambda Sensor



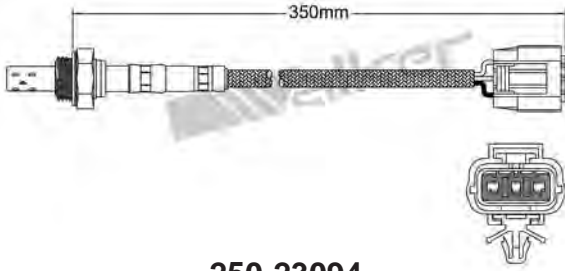
250-23092
SAAB 1994-1998
Heated Lambda Sensor



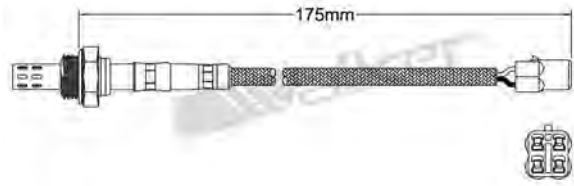
250-23086
MAZDA 1987-1991
Heated Lambda Sensor



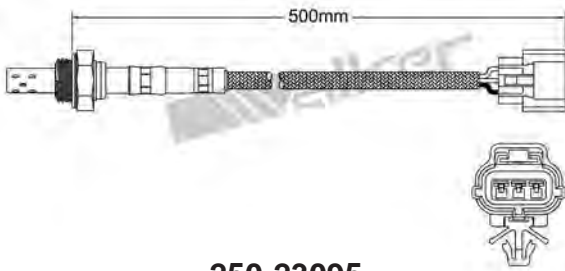
250-23093
NISSAN 1994-1995
Heated Lambda Sensor



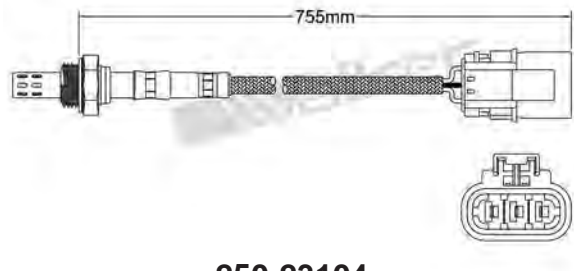
250-23094
MAZDA 1995-2000
Heated Lambda Sensor



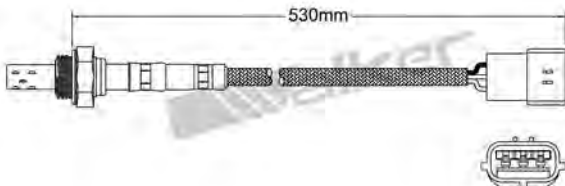
250-23103
SUBARU 1992-1996
Heated Lambda Sensor



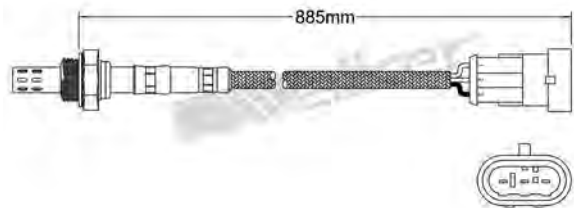
250-23095
MAZDA 1993-1995
Heated Lambda Sensor



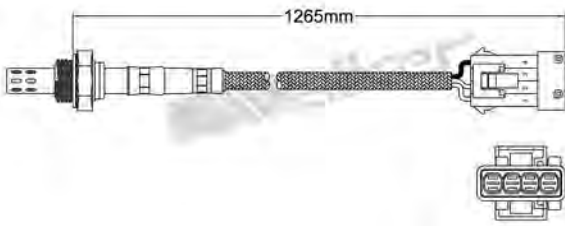
250-23104
NISSAN 1993-2001
Heated Lambda Sensor



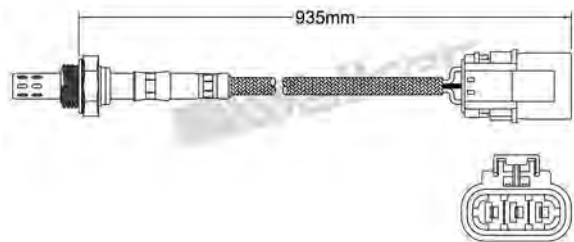
250-23097
KIA 1997-1998 / MAZDA 1993-2000
Unheated Lambda Sensor



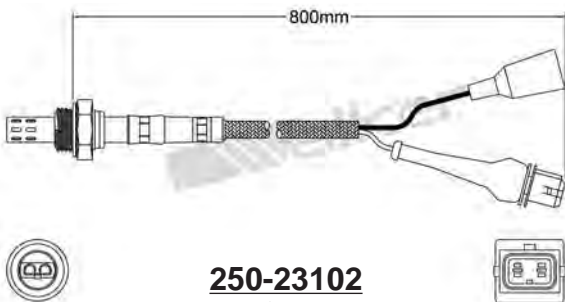
250-23106
ALFA ROMEO 1995-2003
FIAT 1995-1996 / LANCIA 1994-1999
Heated Lambda Sensor



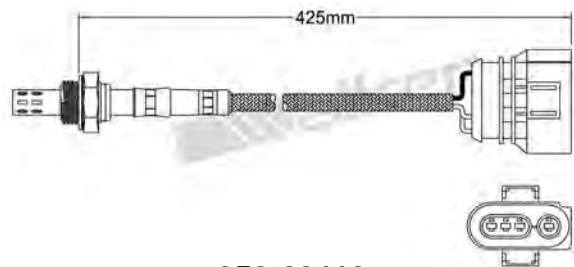
250-23100
SAAB 1991-1998
Heated Lambda Sensor



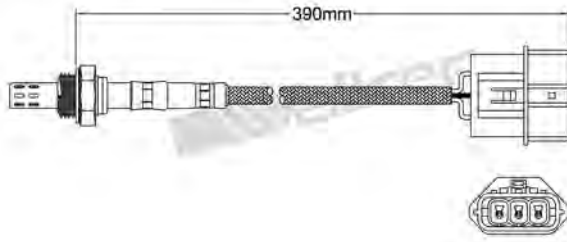
250-23109
NISSAN 1997-2000
Heated Lambda Sensor



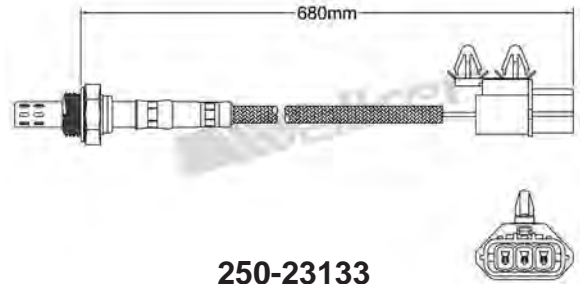
250-23102
AUDI 1993-1997 / HYUNDAI 1992-1993
Heated Lambda Sensor



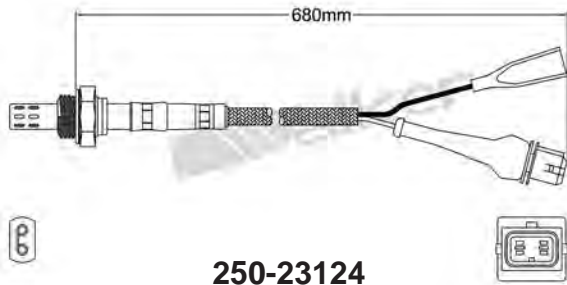
250-23113
AUDI 1995-1998
Heated Lambda Sensor



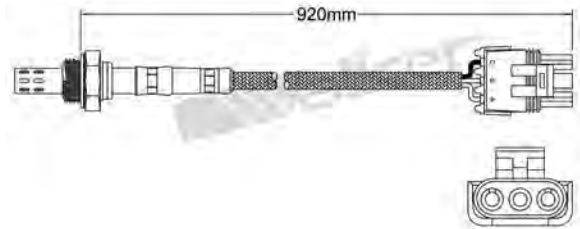
250-23121
NISSAN 1999-2006
Heated Lambda Sensor



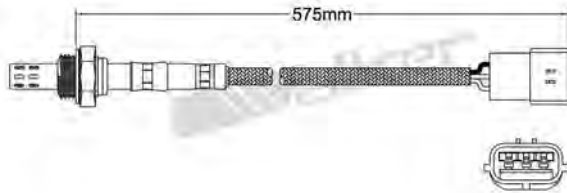
250-23133
NISSAN 2000-2006
Heated Lambda Sensor



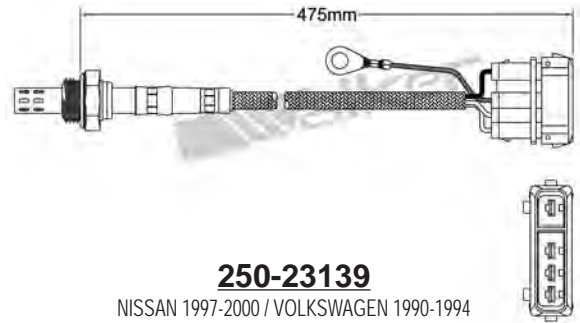
250-23124
VOLKSWAGEN 1985-1992
Heated Lambda Sensor



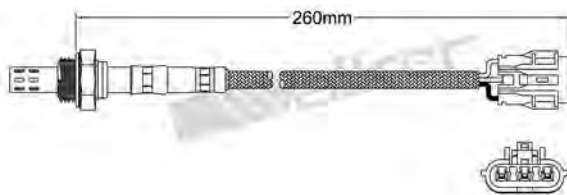
250-23138
OPEL 1985-2001 / VAUXHALL 1985-up
Heated Lambda Sensor



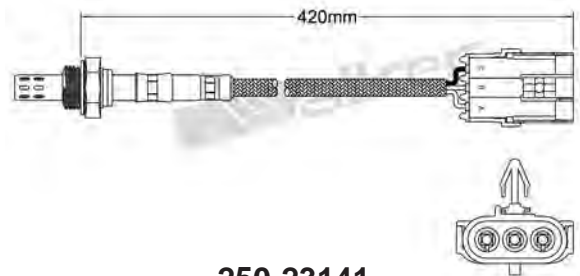
250-23126
KIA 1994-2001
Heated Lambda Sensor



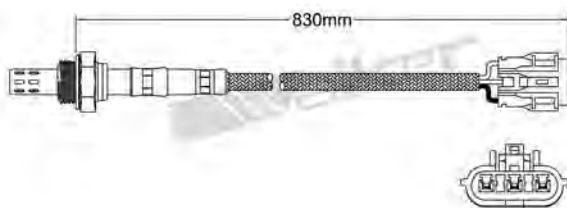
250-23139
NISSAN 1997-2000 / VOLKSWAGEN 1990-1994
Heated Lambda Sensor



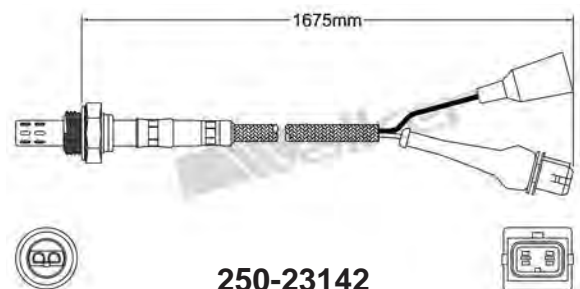
250-23129
HYUNDAI 1994-1997
Heated Lambda Sensor



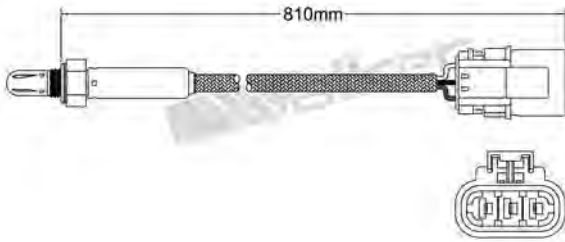
250-23141
RENAULT 1996-up
Heated Lambda Sensor



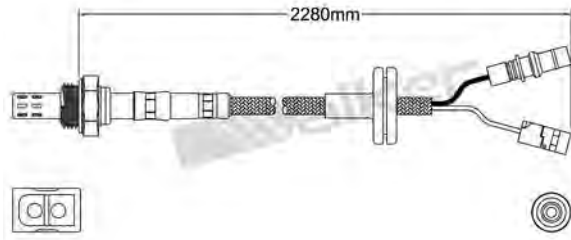
250-23132
HYUNDAI 1993-1996
Heated Lambda Sensor



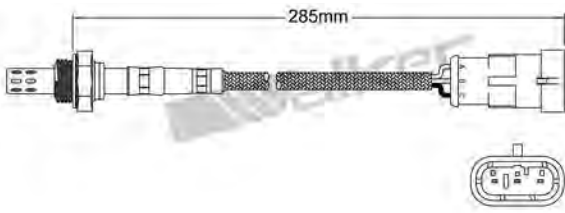
250-23142
ALFA ROMEO 1987-1994 / VOLVO 1986-1996
Heated Lambda Sensor



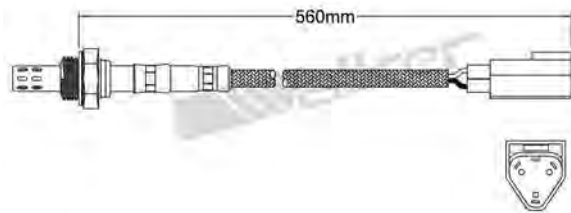
250-23143
NISSAN 1990-1996
Heated Lambda Sensor



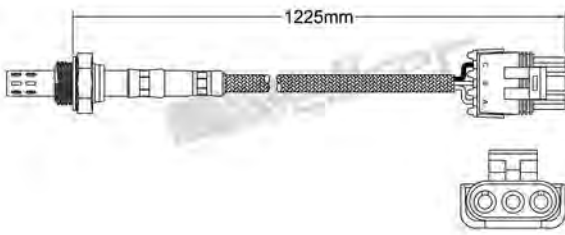
250-23150
MERCEDES 1987-1989
Heated Lambda Sensor



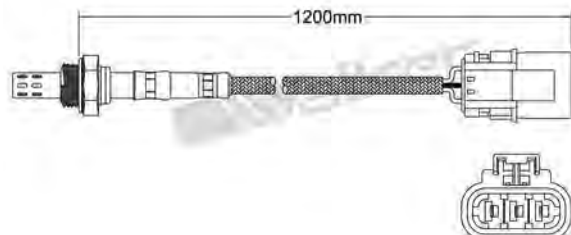
250-23144
RENAULT 1997-2005
Heated Lambda Sensor



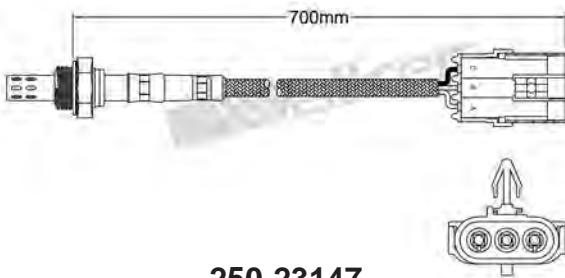
250-23151
DODGE -2001 / FORD 1989-up
Heated Lambda Sensor



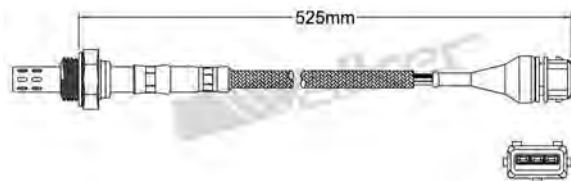
250-23146
OPEL 1985-1999 / VAUXHALL 1986-2000
Heated Lambda Sensor



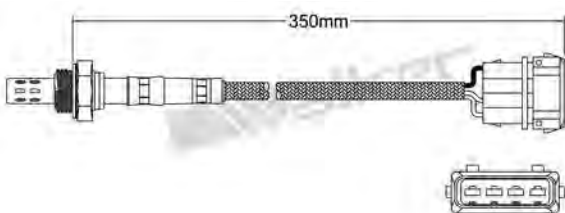
250-23152
NISSAN 1996-2002
Heated Lambda Sensor



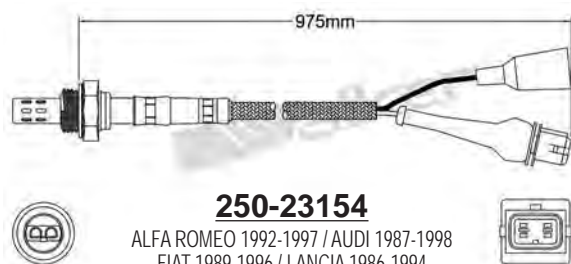
250-23147
RENAULT 1997-up
Heated Lambda Sensor



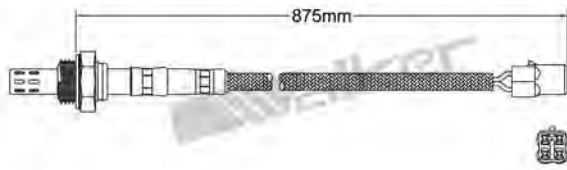
250-23153
VOLKSWAGEN 1987-1995
Heated Lambda Sensor



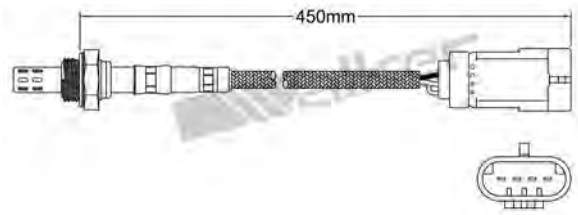
250-23148
VOLKSWAGEN 1990-1995
Heated Lambda Sensor



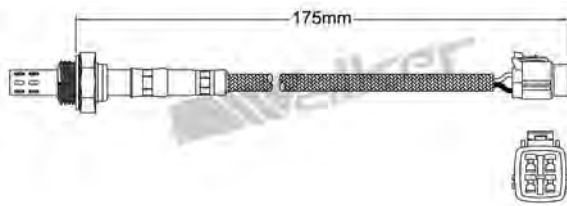
250-23154
ALFA ROMEO 1992-1997 / AUDI 1987-1998
FIAT 1989-1996 / LANCIA 1986-1994
SKODA 1990-1995 / VOLKSWAGEN 1987-1991
VOLVO 1989-1990
Heated Lambda Sensor



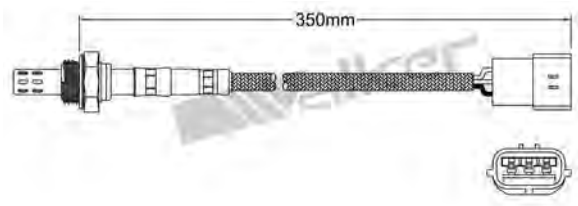
250-23155
SUBARU 1996-1999
Heated Lambda Sensor



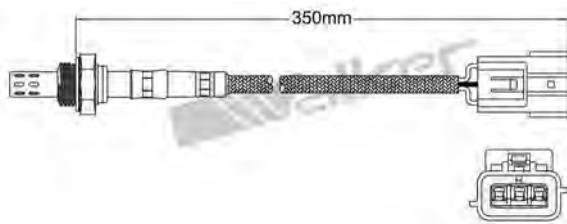
250-23164
RENAULT 1999-up
Heated Lambda Sensor



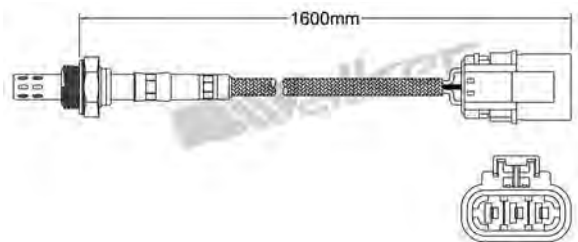
250-23158
SUBARU 1998-2000
Heated Lambda Sensor



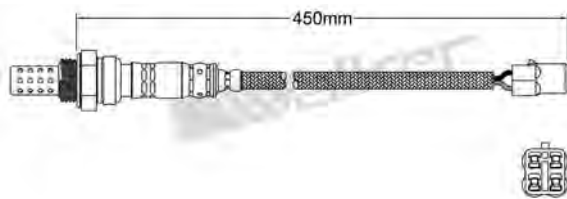
250-23165
HYUNDAI 1994-2000
Heated Lambda Sensor



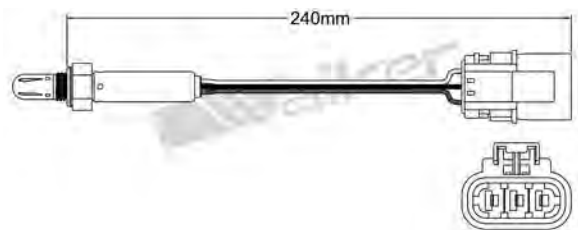
250-23159
NISSAN 1999-2003
Heated Lambda Sensor



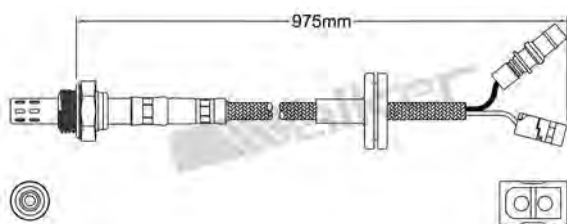
250-23166
NISSAN 1998-2001
Heated Lambda Sensor



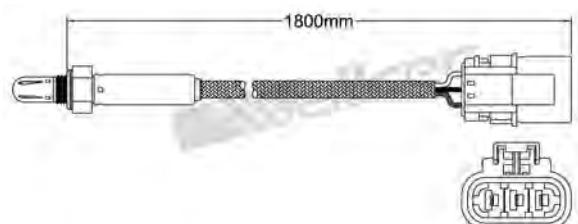
250-23162
SUBARU 1997-2002
Heated Lambda Sensor



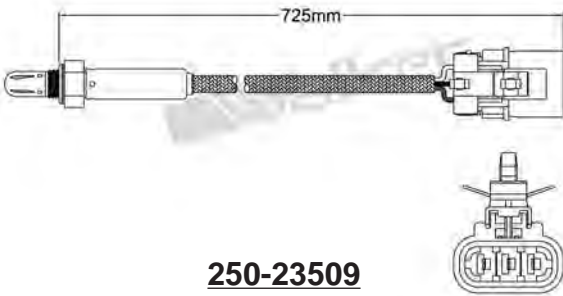
250-23502
NISSAN 1987-1988
Heated Lambda Sensor



250-23163
MERCEDES 1981-1991
Heated Lambda Sensor



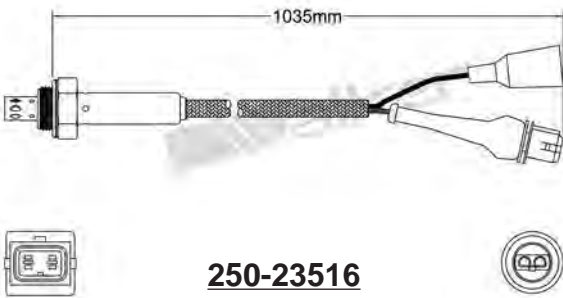
250-23503
NISSAN 1990-1994
Heated Lambda Sensor



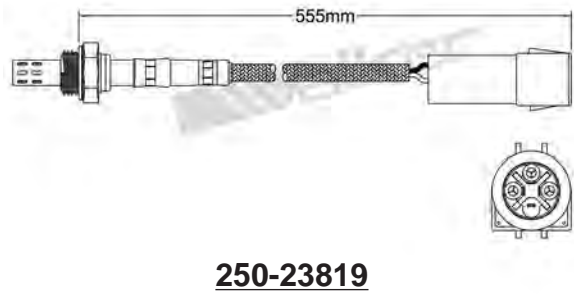
250-23509
NISSAN 1988-1994
Heated Lambda Sensor



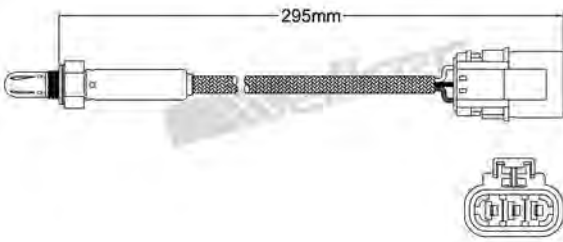
250-23816
ALFA ROMEO 1994-1996
Heated Lambda Sensor



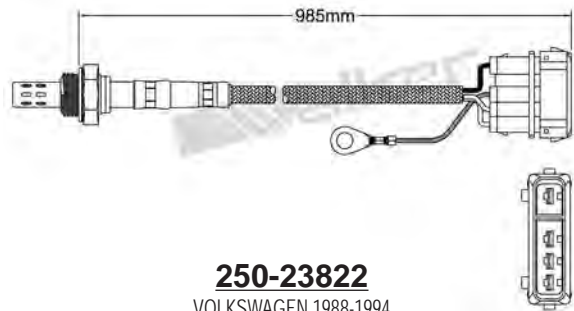
250-23516
SAAB 1989-1994
Heated Lambda Sensor



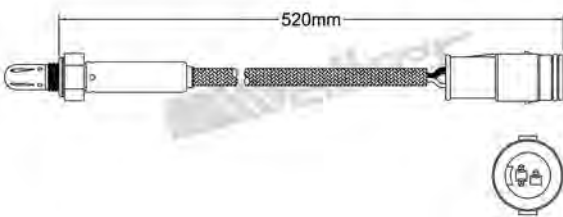
250-23819
FORD 1985-1994
Heated Lambda Sensor



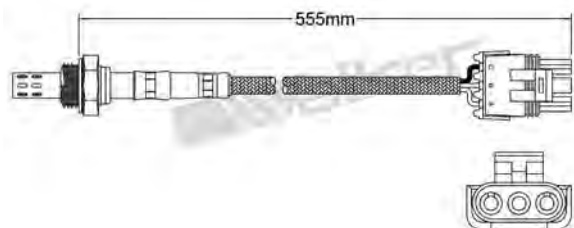
250-23523
NISSAN 1986-1988
Heated Lambda Sensor



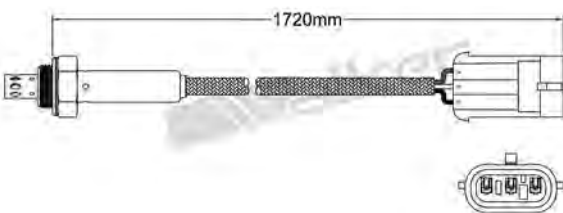
250-23822
VOLKSWAGEN 1988-1994
Heated Lambda Sensor



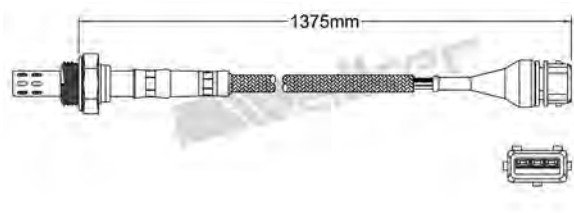
250-23802
LAND ROVER 1986-1998 / ROVER 1988-1991
Heated Lambda Sensor



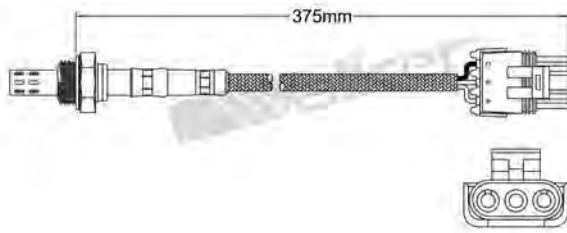
250-23826
OPEL 1994-2001 / VAUXHALL 1994-up
Heated Lambda Sensor



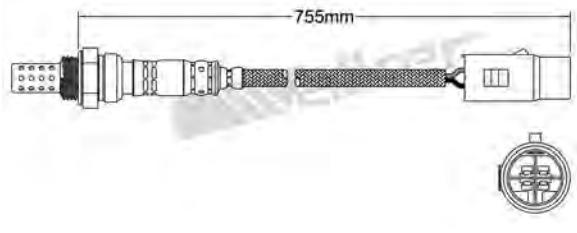
250-23815
ALFA ROMEO 1991-1994
Heated Lambda Sensor



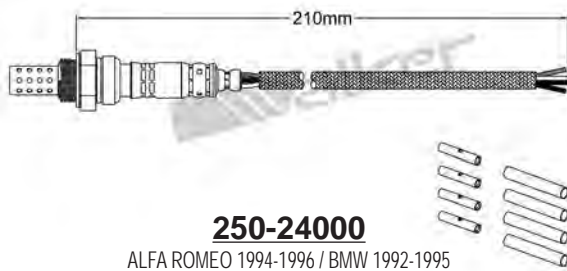
250-23827
SUZUKI 1991-1998 / VOLKSWAGEN 1982-1989
Heated Lambda Sensor



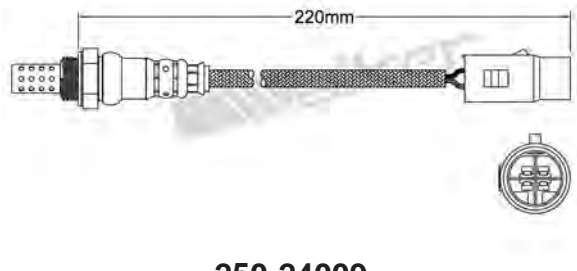
250-23828
ALPINE 1991-1993 / RENAULT 1986-2000
Heated Lambda Sensor



250-24007
DODGE 1994-1999 / MITSUBISHI 1987-1999
Heated Lambda Sensor



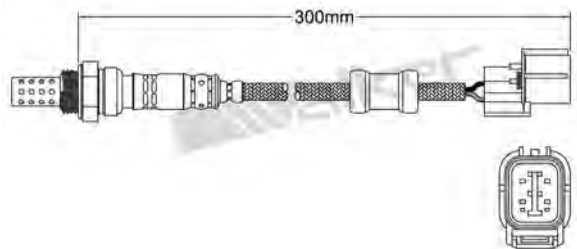
250-24000
ALFA ROMEO 1994-1996 / BMW 1992-1995
CITROEN 1997-2002 / FIAT 1994-1997
LANCIA 1994-1997 / MERCEDES 1993-2000
Heated Lambda Sensor



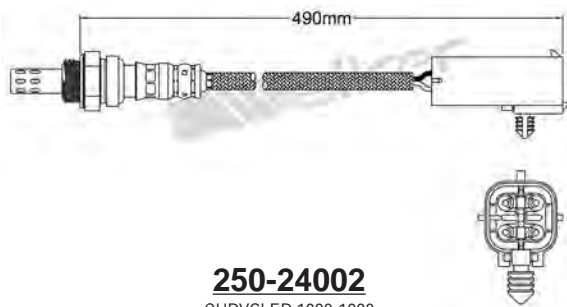
250-24009
HYUNDAI 1991-1998
Heated Lambda Sensor



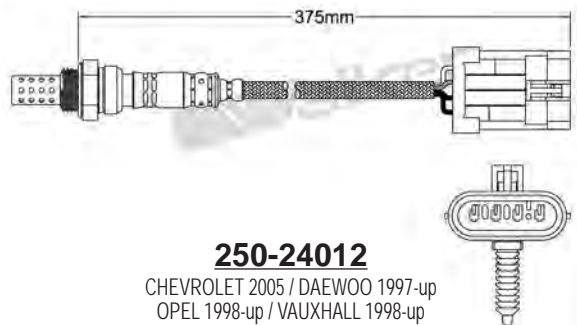
250-24001
ASTON MARTIN 1994-up / FORD 1996-up
FORD USA 1993-2000 / JAGUAR 1999-up
MAZDA 2003-up
Heated Lambda Sensor



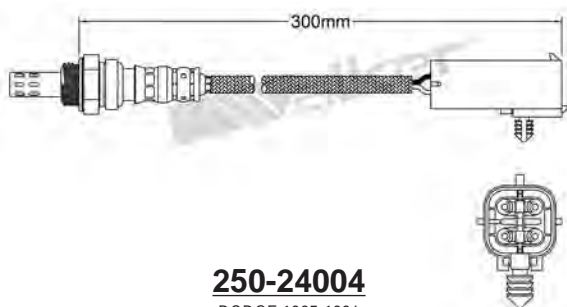
250-24011
HONDA 1989-2002
Heated Lambda Sensor



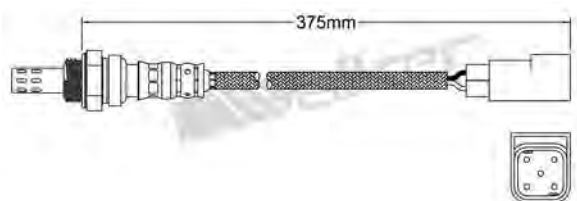
250-24002
CHRYSLER 1998-1998
Heated Lambda Sensor



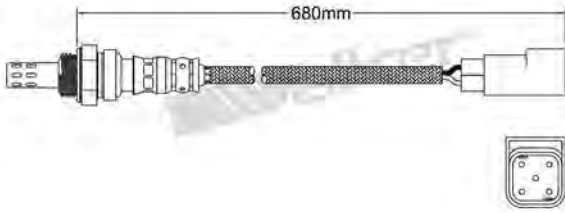
250-24012
CHEVROLET 2005 / DAEWOO 1997-up
OPEL 1998-up / VAUXHALL 1998-up
Heated Lambda Sensor



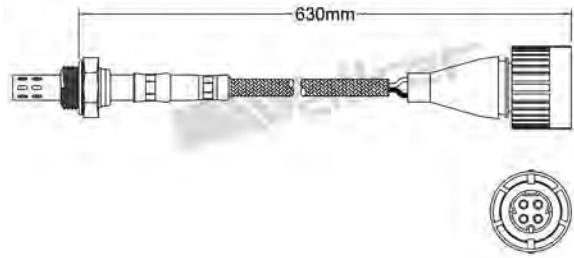
250-24004
DODGE 1995-1996
Heated Lambda Sensor



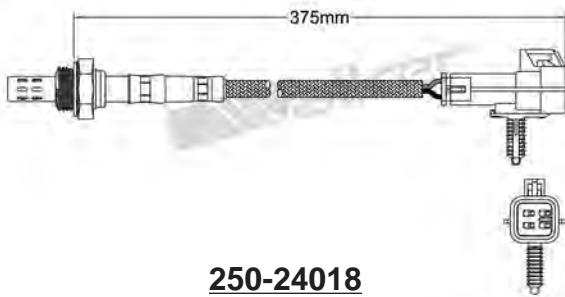
250-24015
FORD 1989-up / MAZDA 1996-2000
MERCEDES 1990-1993
Heated Lambda Sensor



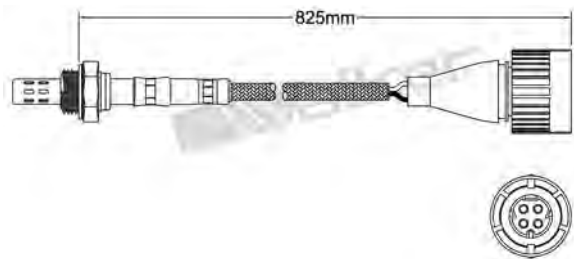
250-24016
FORD 1990-2000
Heated Lambda Sensor



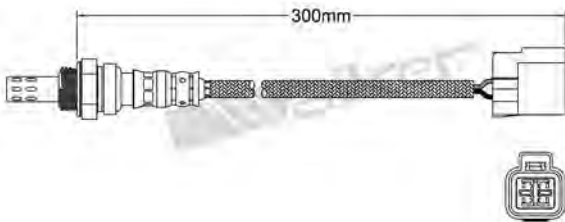
250-24024
BMW 1982-1996
Heated Lambda Sensor



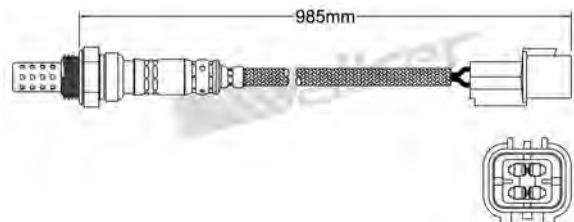
250-24018
OPEL 2002-2005
Heated Lambda Sensor



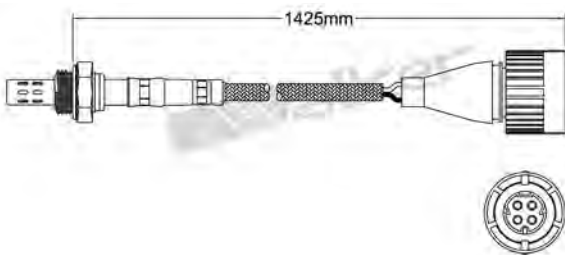
250-24025
BMW 1989-1991
Heated Lambda Sensor



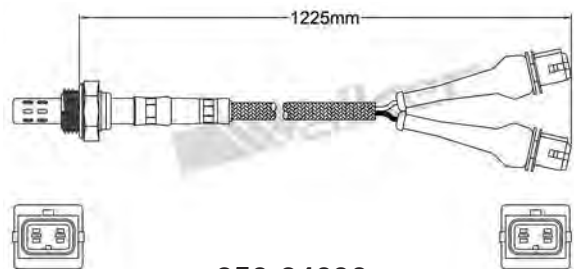
250-24020
MITSUBISHI 1992-2000 / PROTON 2000-up
Heated Lambda Sensor



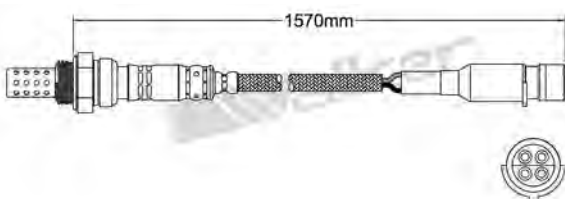
250-24026
MITSUBISHI 1994-up
Heated Lambda Sensor



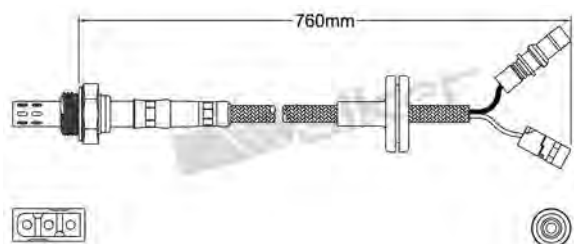
250-24021
BMW 1990-1996
Heated Lambda Sensor



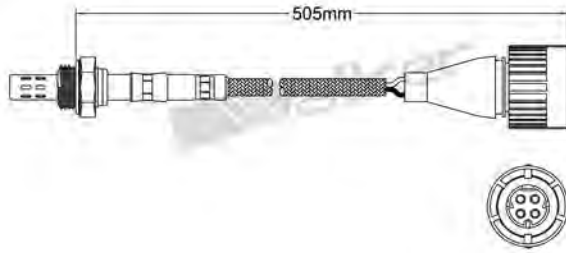
250-24030
CITROEN 1981-1996 / PEUGEOT 1987-1992
Heated Lambda Sensor



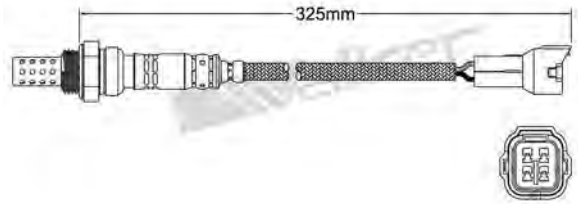
250-24023
BMW 1986-1992
Heated Lambda Sensor



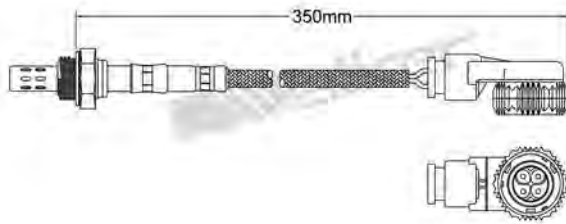
250-24034
MERCEDES 1992-1998
Heated Lambda Sensor



250-24035
BMW 1987-1994
Heated Lambda Sensor



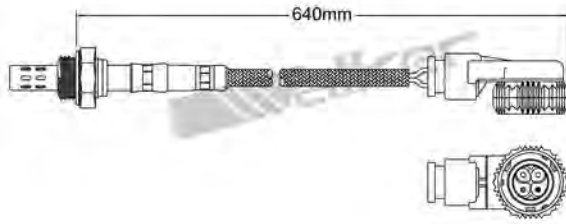
250-24049
SUZUKI 1995-up
Heated Lambda Sensor



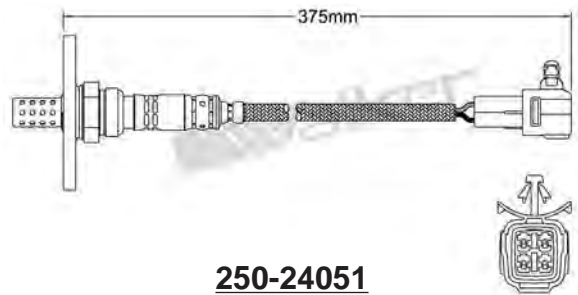
250-24038
MERCEDES 1991-2001
Heated Lambda Sensor



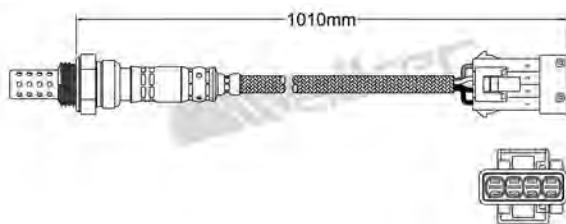
250-24050
TOYOTA 1986-1996
Heated Lambda Sensor



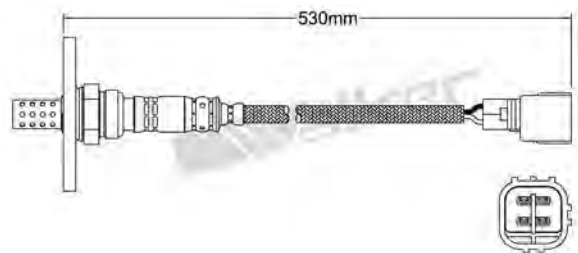
250-24044
MERCEDES 1992-1995
Heated Lambda Sensor



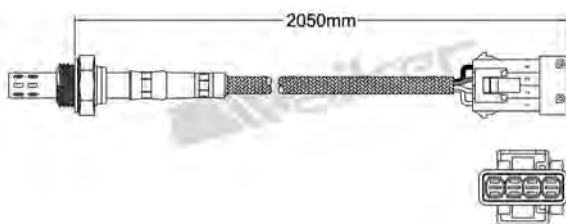
250-24051
TOYOTA 1988-1992
Heated Lambda Sensor



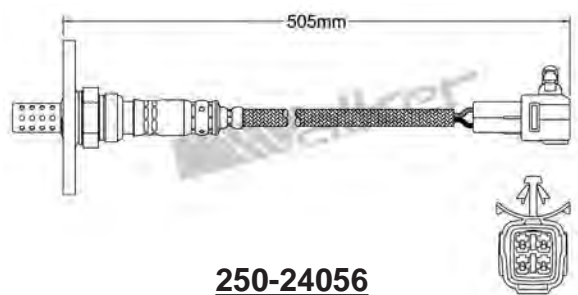
250-24046
BENTLEY 1991-1995
Heated Lambda Sensor



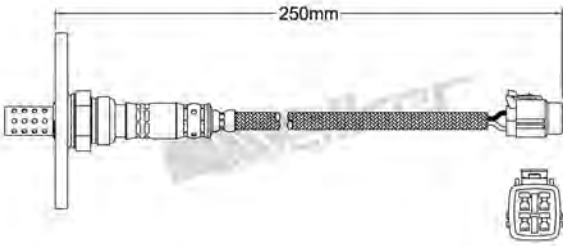
250-24052
TOYOTA 1990-1997
Heated Lambda Sensor



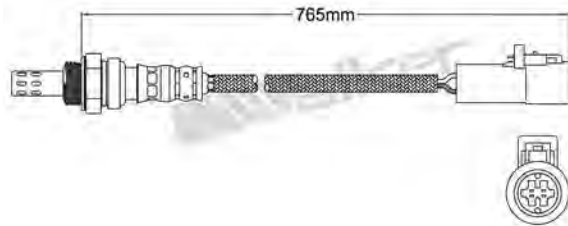
250-24048
SAAB 1993-1998 / VOLVO 1991-1996
Heated Lambda Sensor



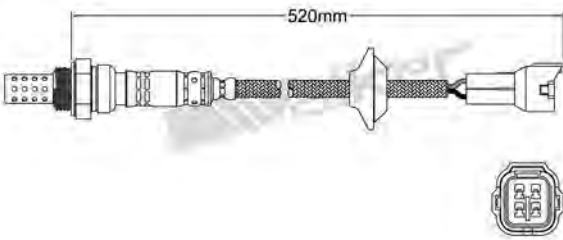
250-24056
TOYOTA 1988-1991
Heated Lambda Sensor



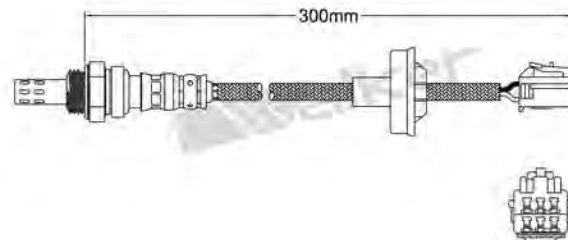
250-24059
TOYOTA 1987-1989
Heated Lambda Sensor



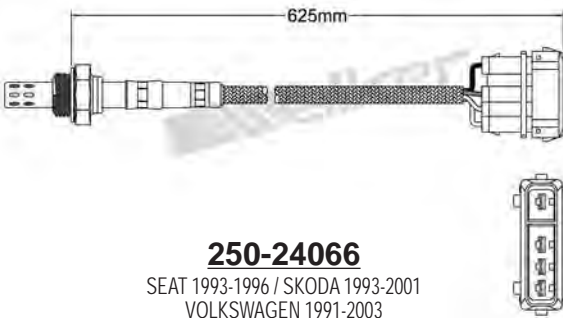
250-24070
MAZDA 2000-2003
Heated Lambda Sensor



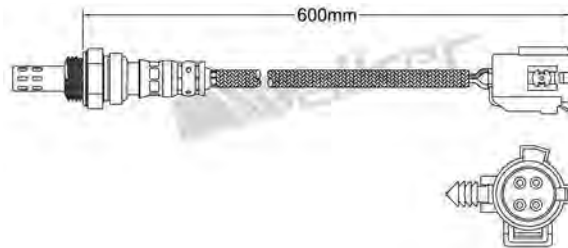
250-24060
SUZUKI 1990-up
Heated Lambda Sensor



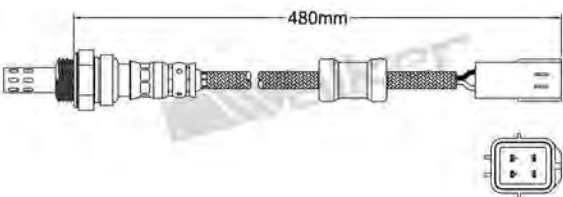
250-24074
CHRYSLER 1997-1997
Heated Lambda Sensor



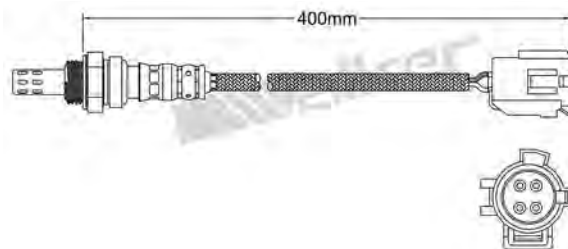
250-24066
SEAT 1993-1996 / SKODA 1993-2001
VOLKSWAGEN 1991-2003
Heated Lambda Sensor



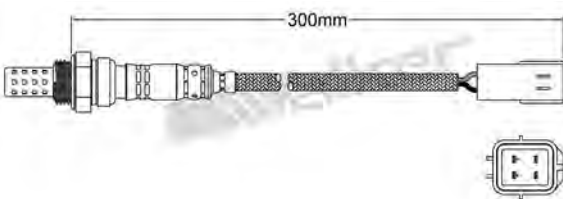
250-24076
JEEP 1992-1999
Heated Lambda Sensor



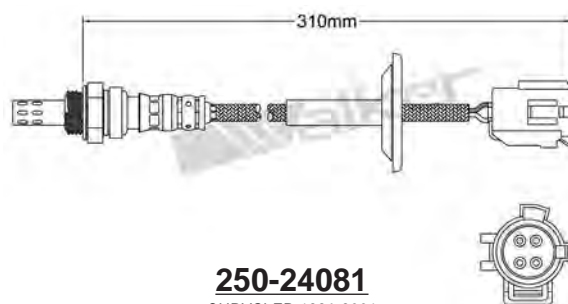
250-24067
CHEVROLET 2005-up / DAEWOO 1997-up
FORD USA 1995-1998 / MAZDA 1992-up
Heated Lambda Sensor



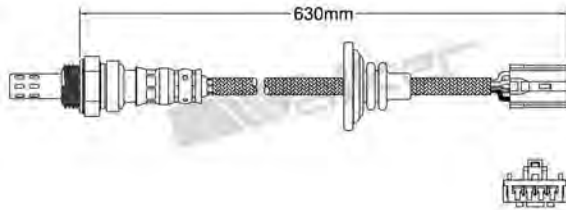
250-24077
DODGE 2000-2003
Heated Lambda Sensor



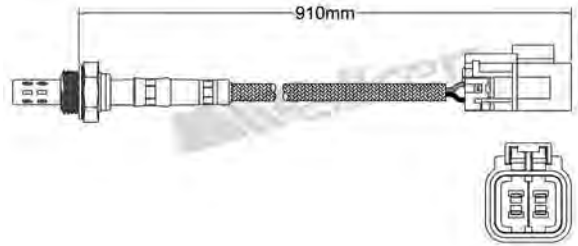
250-24068
FIAT 1995-1998 / MAZDA 1991-up
Heated Lambda Sensor



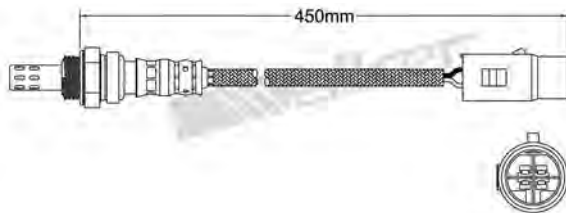
250-24081
CHRYSLER 1996-2001
Heated Lambda Sensor



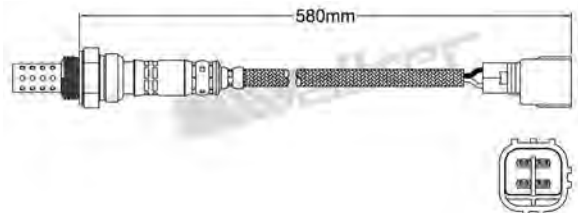
250-24083
MITSUBISHI 1995-2003
Heated Lambda Sensor



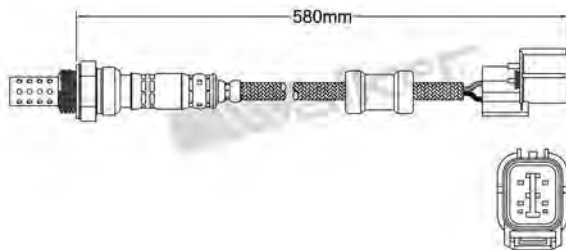
250-24102
NISSAN 1997-2000
Heated Lambda Sensor



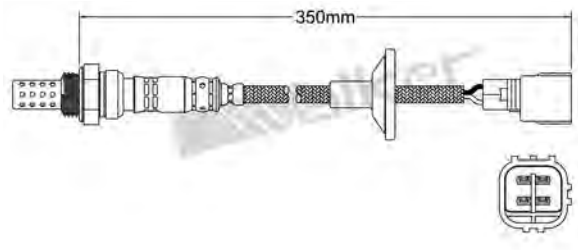
250-24091
HYUNDAI 1990-1993 / MITSUBISHI 1990-1992
Heated Lambda Sensor



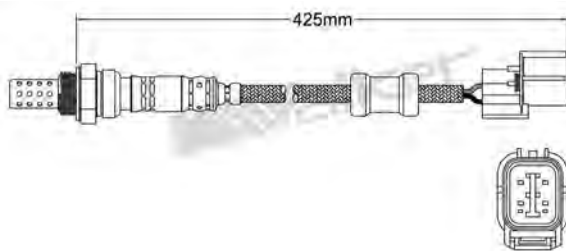
250-24106
LEXUS 1997-2005 / TOYOTA 1996-2001
Heated Lambda Sensor



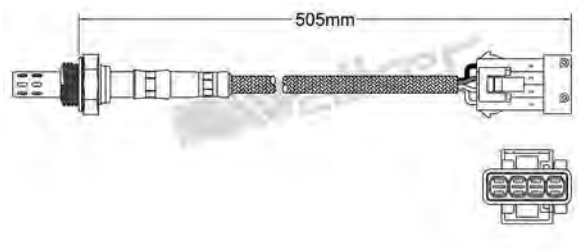
250-24093
HONDA 1990-2001
Heated Lambda Sensor



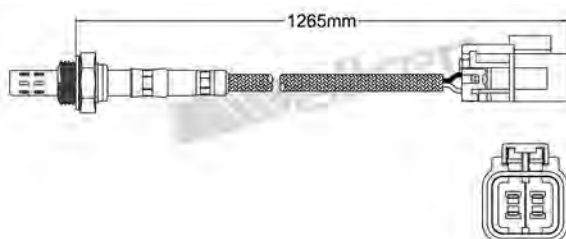
250-24107
TOYOTA 2000-2001
Heated Lambda Sensor



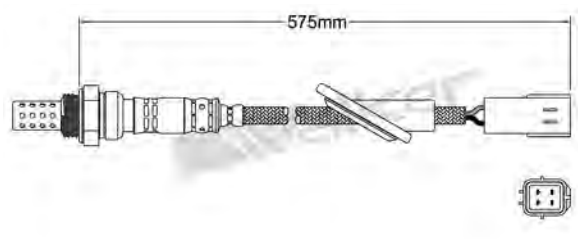
250-24099
HONDA 1990-2002
Heated Lambda Sensor



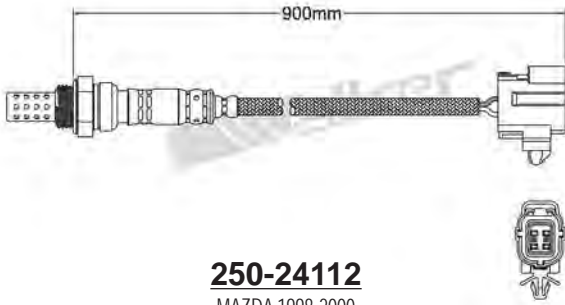
250-24109
RENAULT 1997-2002
Heated Lambda Sensor



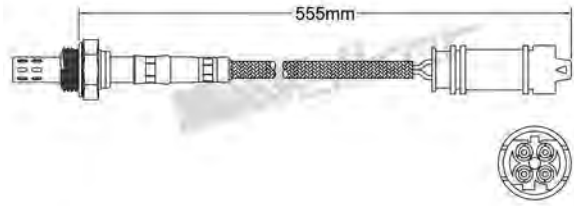
250-24101
NISSAN 1997-2000
Heated Lambda Sensor



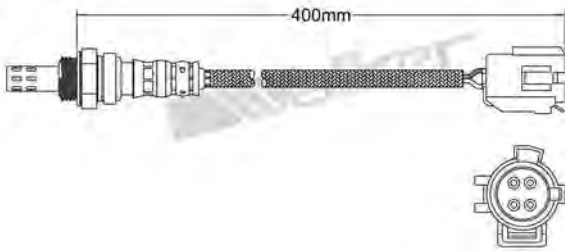
250-24111
MAZDA 2000-2005
Heated Lambda Sensor



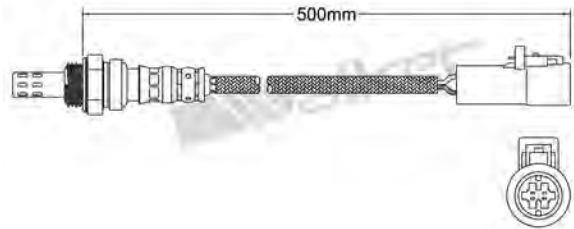
250-24112
MAZDA 1998-2000
Heated Lambda Sensor



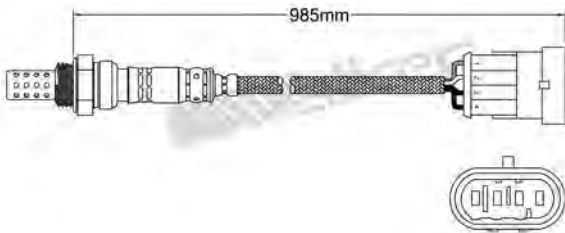
250-24125
BMW 1994-2004
Heated Lambda Sensor



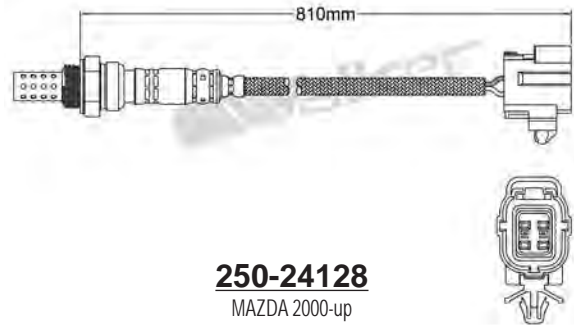
250-24113
CHRYSLER 2000-2003
Heated Lambda Sensor



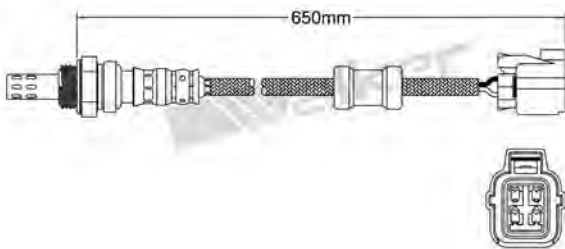
250-24127
FORD 2000-up / FORD USA 1990-1997
MAZDA 2000-up
Heated Lambda Sensor



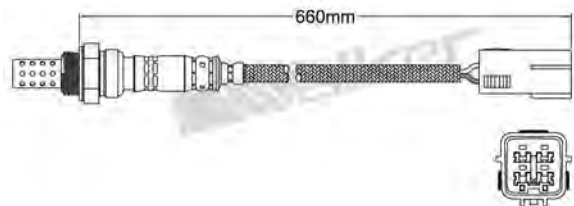
250-24119
ALFA ROMEO 1994-up / FIAT 1991-up
LANCIA 1993-up
Heated Lambda Sensor



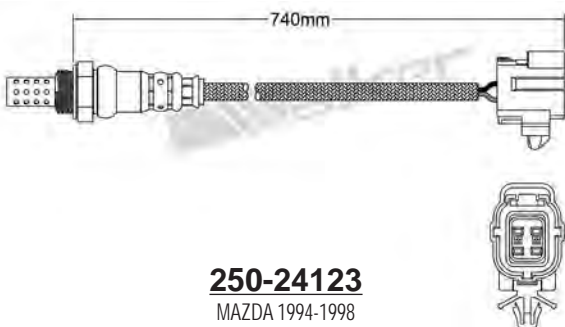
250-24128
MAZDA 2000-up
Heated Lambda Sensor



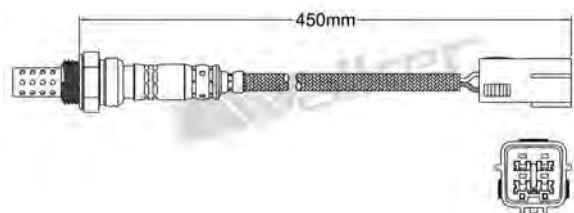
250-24121
HONDA 1990-up
Heated Lambda Sensor



250-24130
MAZDA 2002-up
Heated Lambda Sensor



250-24123
MAZDA 1994-1998
Heated Lambda Sensor



250-24131
MAZDA 2003-up
Heated Lambda Sensor



1140mm

250-24132
ALFA ROMEO 1992-1998
FIAT 1993-1995 / LANCIA 1992-1994
Heated Lambda Sensor

650mm

250-24139
KIA 1999-2001
Heated Lambda Sensor

890mm

250-24133
CITROEN 1994-1997 / PEUGEOT 1994-1997
PORSCHE 1995-2001 / VOLVO 1994-1999
Heated Lambda Sensor

275mm

250-24140
MERCEDES 1991-2001
Heated Lambda Sensor

480mm

250-24134
RENAULT 1996-2000
Heated Lambda Sensor

620mm

250-24141
MERCEDES 1994-2001
Heated Lambda Sensor

740mm

250-24135
PORSCHE 1997-2001 / SAAB 1997-up
VOLVO 1991-1998
Heated Lambda Sensor

820mm

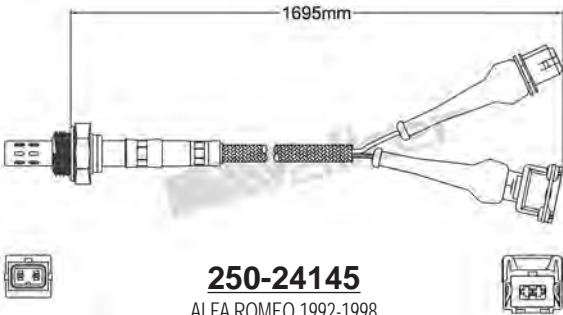
250-24143
BMW 1997-up / MERCEDES 1992-2006
Heated Lambda Sensor

800mm

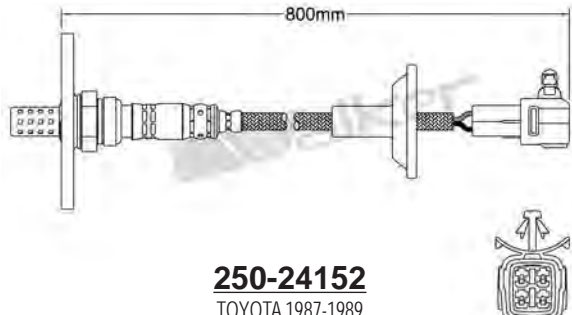
250-24137
LEXUS 1997-2004 / TOYOTA 1999-up
Heated Lambda Sensor

600mm

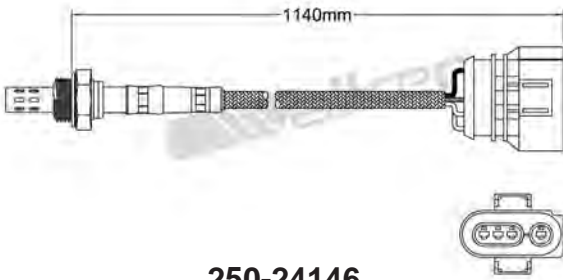
250-24144
FERRARI 1993-up
Heated Lambda Sensor



250-24145
ALFA ROMEO 1992-1998
Heated Lambda Sensor



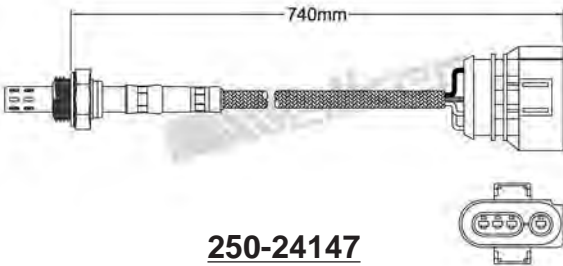
250-24152
TOYOTA 1987-1989
Heated Lambda Sensor



250-24146
AUDI 1996-2001 / VOLKSWAGEN 1996-2000
Heated Lambda Sensor



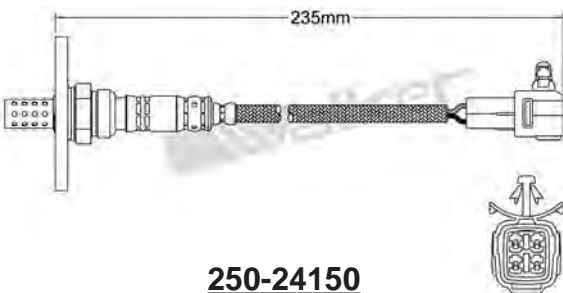
250-24153
TOYOTA 1994-2000
Heated Lambda Sensor



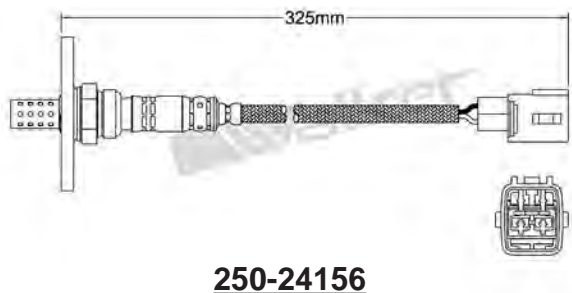
250-24147
AUDI 1994-1998 / FORD 1996-2000
SEAT 1997-1998 / VOLKSWAGEN 1991-2000
Heated Lambda Sensor



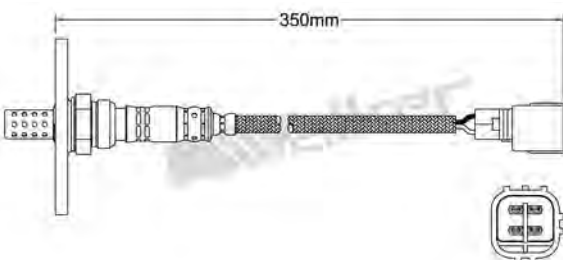
250-24154
TOYOTA 1993-2005
Heated Lambda Sensor



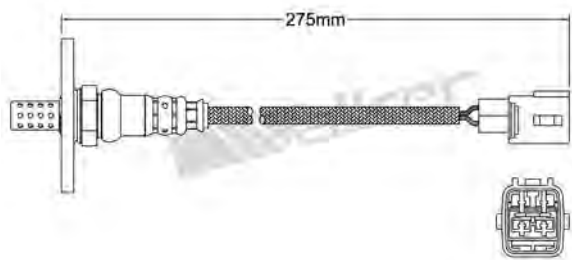
250-24150
TOYOTA 1990-1992
Heated Lambda Sensor



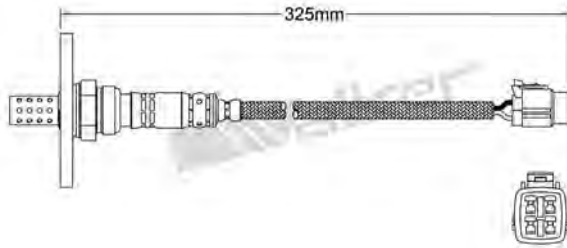
250-24156
TOYOTA 1989-1993
Heated Lambda Sensor



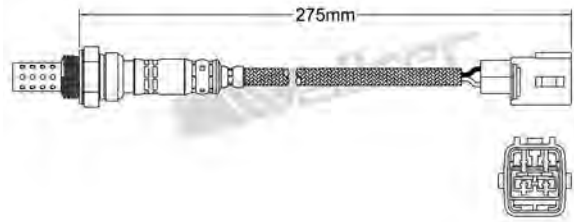
250-24151
TOYOTA 1991-2000
Heated Lambda Sensor



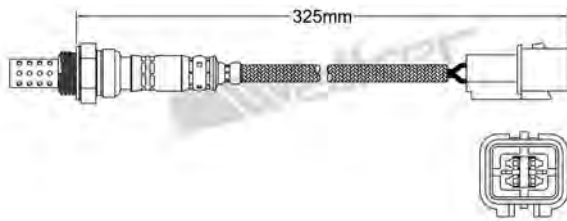
250-24157
TOYOTA 1995-1997
Heated Lambda Sensor



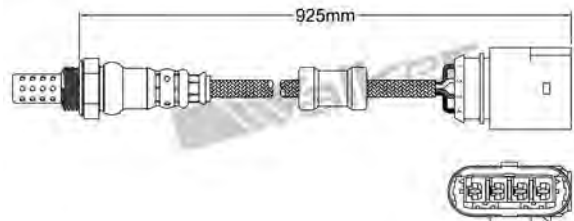
250-24158
TOYOTA 1989-1992
Heated Lambda Sensor



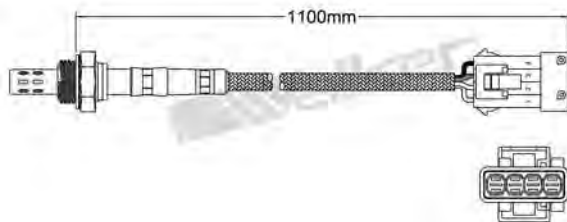
250-24169
LEXUS 1994-2004 / TOYOTA 1998-2005
Heated Lambda Sensor



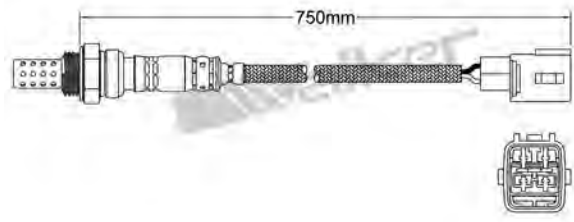
250-24162
MITSUBISHI 2003-up
Heated Lambda Sensor



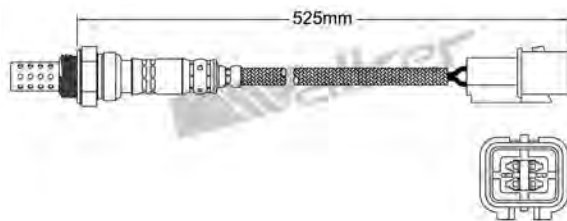
250-24170
AUDI 1998-2002 / SEAT 2000-up
VOLKSWAGEN 2000-up
Heated Lambda Sensor



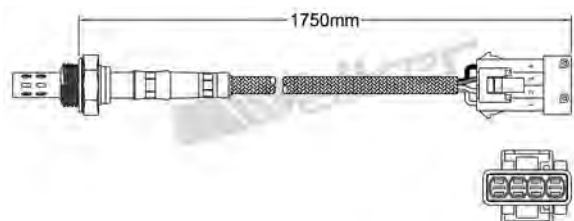
250-24163
PORSCHE 1993-1997 / SAAB 1996-2001
Heated Lambda Sensor



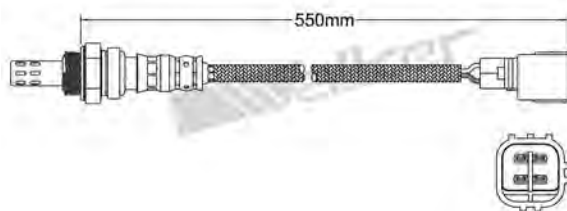
250-24176
TOYOTA 2002-up
Heated Lambda Sensor



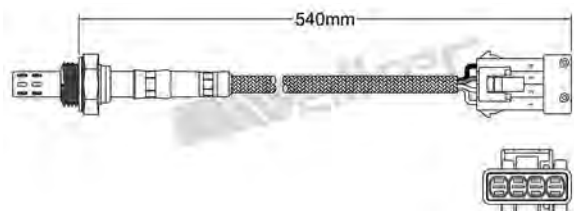
250-24167
MITSUBISHI 2003-up
Heated Lambda Sensor



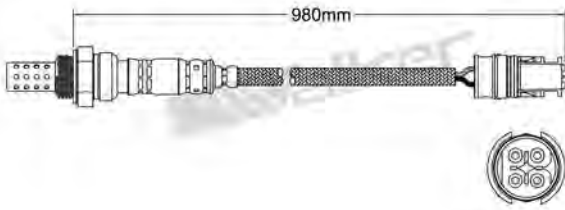
250-24177
SAAB 1998-up / VOLVO 1994-1998
Heated Lambda Sensor



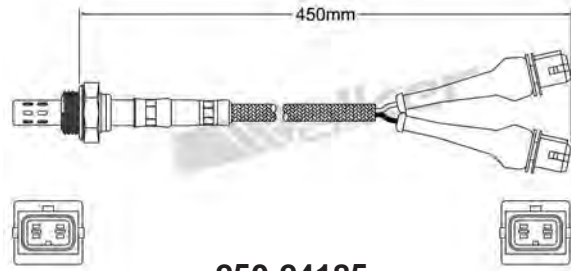
250-24168
TOYOTA 2000-2001
Heated Lambda Sensor



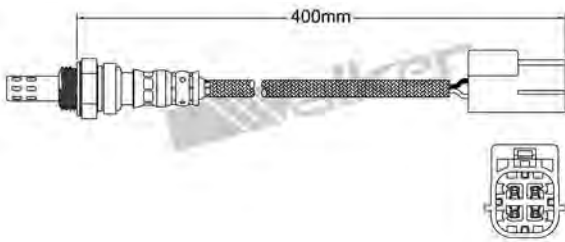
250-24178
CITROEN 1993-up / PEUGEOT 1995-up
PORSCHE 1995-2005 / VOLVO 1991-1996
Heated Lambda Sensor



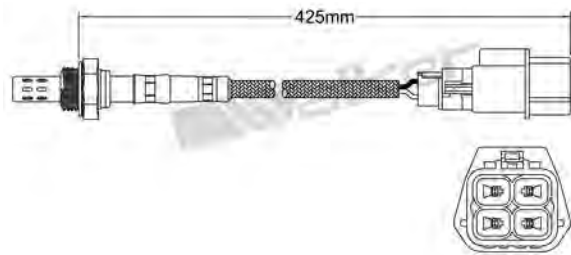
250-24180
MERCEDES 1993-2006
Heated Lambda Sensor



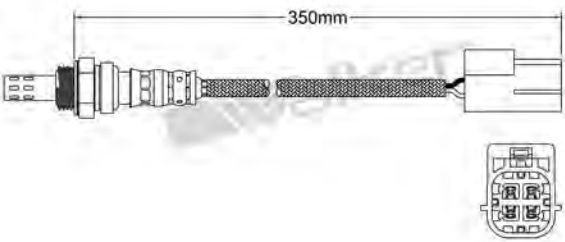
250-24185
PEUGEOT 1991-1995
Heated Lambda Sensor



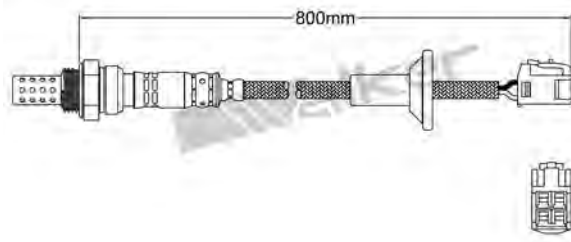
250-24181
NISSAN 2002-2006
Heated Lambda Sensor



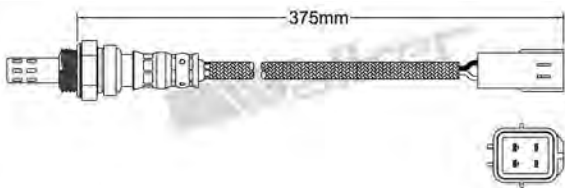
250-24186
NISSAN 1996-2000
Heated Lambda Sensor



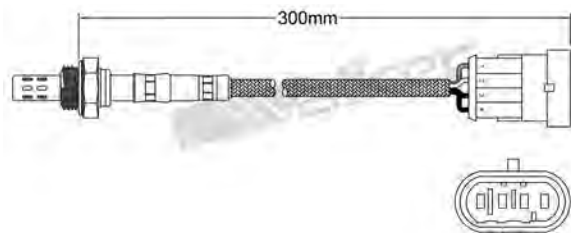
250-24182
NISSAN 2000-2002
Heated Lambda Sensor



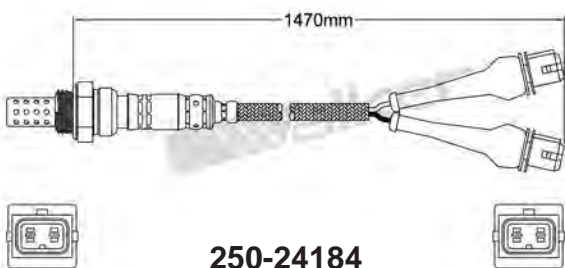
250-24188
LEXUS 2001-2010
Heated Lambda Sensor



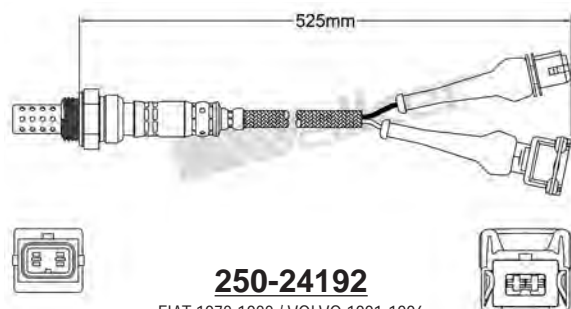
250-24183
CHEVROLET 2005-up / DAEWOO 2003-up
MAZDA 1999-2002
Heated Lambda Sensor



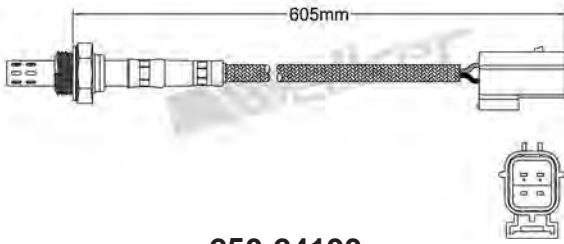
250-24190
FIAT 1994-up / LANCIA 1997-2000
Heated Lambda Sensor



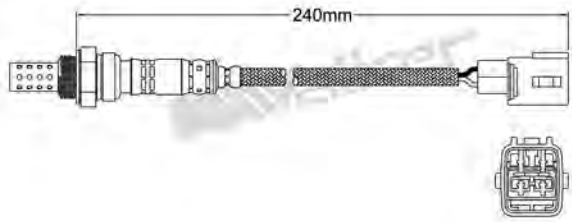
250-24184
CITROEN 1989-1998 / FIAT 1994-2002
PEUGEOT 1989-2002
Heated Lambda Sensor



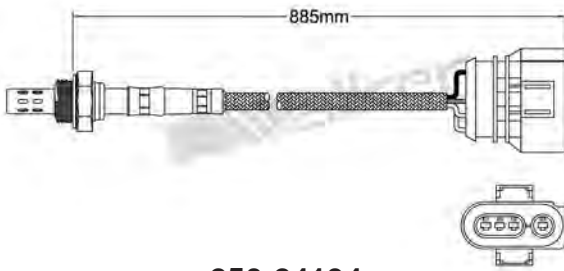
250-24192
FIAT 1978-1982 / VOLVO 1991-1996
Heated Lambda Sensor



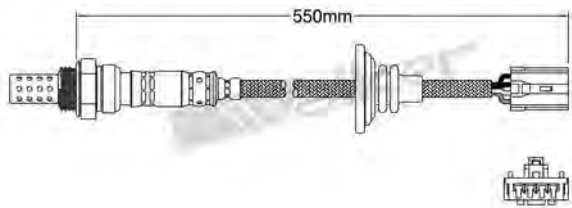
250-24193
LAND ROVER 1997-2003 / MG 1995-2002
ROVER 1991-2000
Heated Lambda Sensor



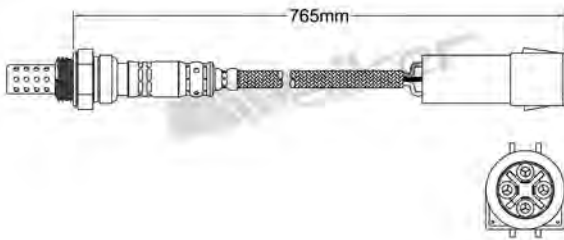
250-24220
LEXUS 1989-1994
Heated Lambda Sensor



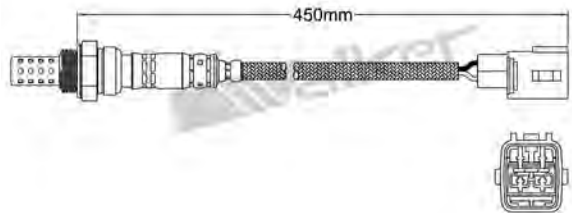
250-24194
SEAT 1995-2000 / VOLKSWAGEN 1991-2003
Heated Lambda Sensor



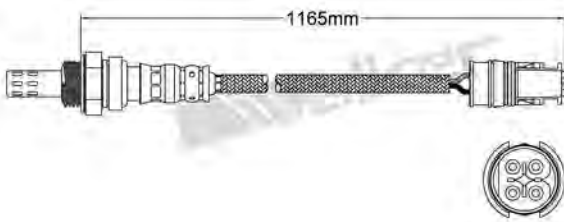
250-24224
MITSUBISHI 1992-up
Heated Lambda Sensor



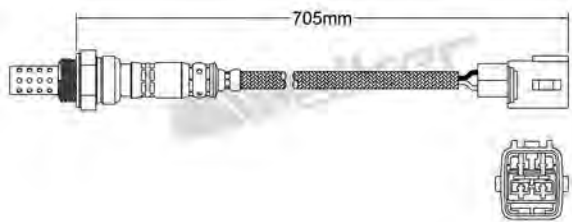
250-24197
FORD 1985-1993
Heated Lambda Sensor



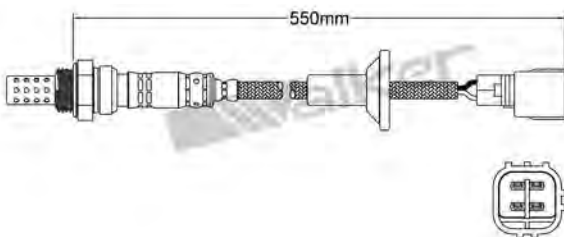
250-24225
LEXUS 1997-2010 / TOYOTA 2000-up
Heated Lambda Sensor



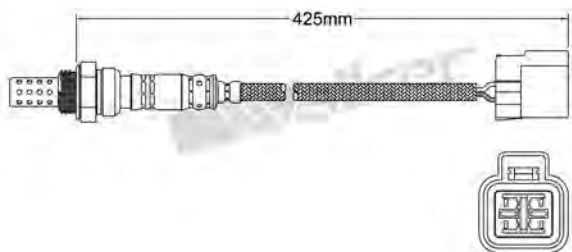
250-24198
MERCEDES 1995-2006
Heated Lambda Sensor



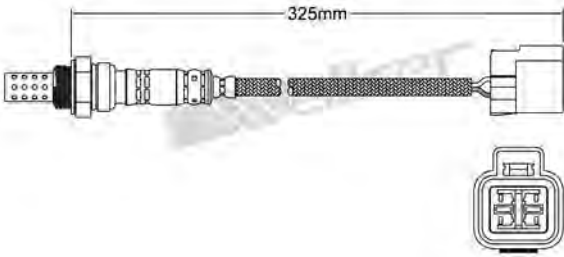
250-24226
LEXUS 1999-2005
Heated Lambda Sensor



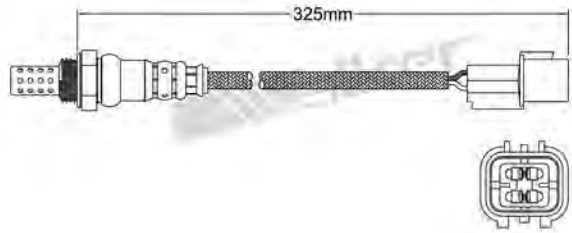
250-24213
LEXUS 2005-up
Heated Lambda Sensor



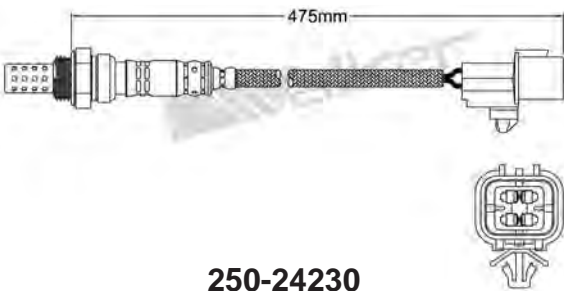
250-24228
MITSUBISHI 1992-1998
Heated Lambda Sensor



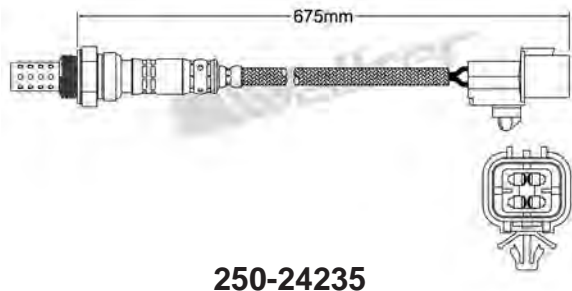
250-24229
MITSUBISHI 1992-up
Heated Lambda Sensor



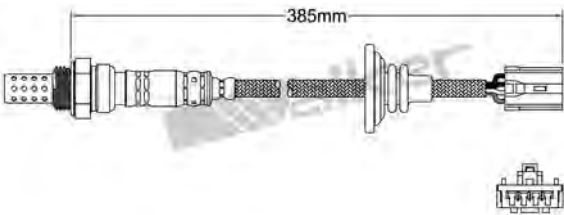
250-24234
MITSUBISHI 1998-2000
Heated Lambda Sensor



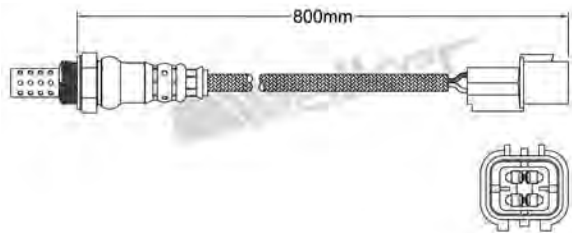
250-24230
MITSUBISHI 1990-2006 / VOLVO 1998-2004
Heated Lambda Sensor



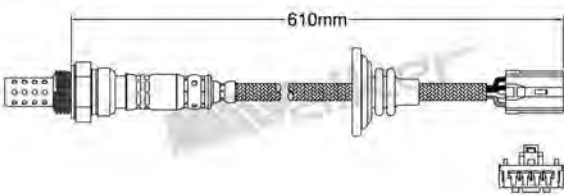
250-24235
MITSUBISHI 1994-up
Heated Lambda Sensor



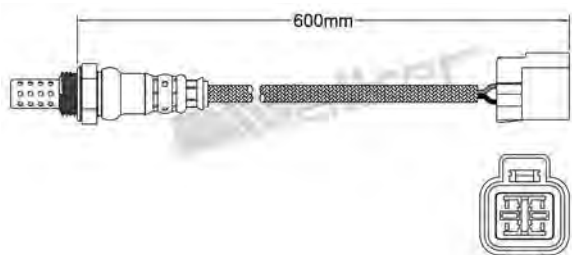
250-24231
MITSUBISHI 1990-2006
Heated Lambda Sensor



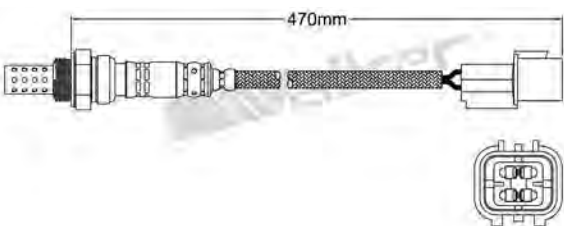
250-24236
MITSUBISHI 1993-up
Heated Lambda Sensor



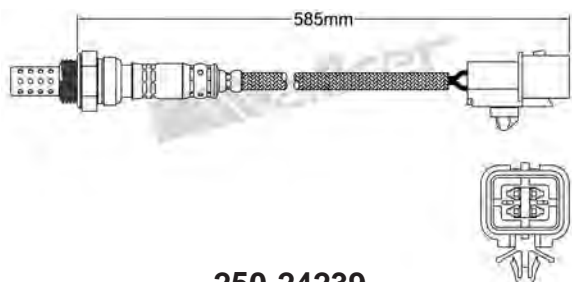
250-24232
MITSUBISHI 1992-2003
Heated Lambda Sensor



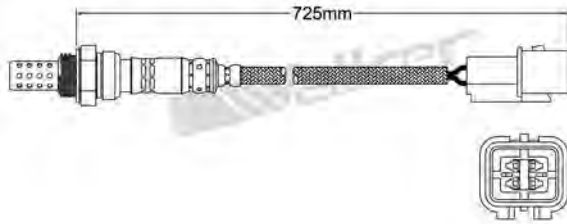
250-24237
MITSUBISHI 1986-1992
Heated Lambda Sensor



250-24233
MITSUBISHI 1995-up
Heated Lambda Sensor



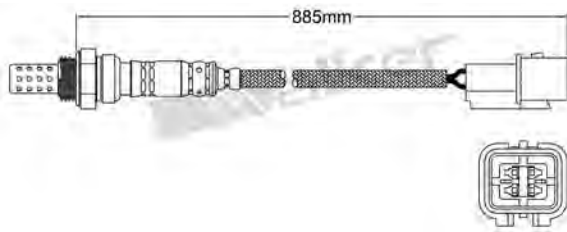
250-24239
MITSUBISHI 2000-up
Heated Lambda Sensor



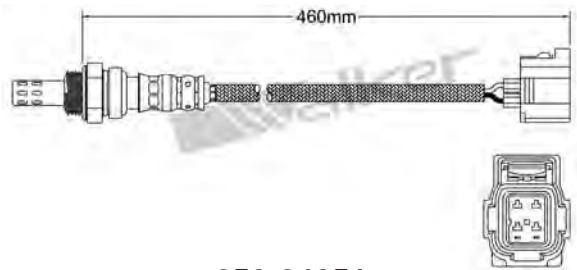
250-24240
MITSUBISHI 1997-up
Heated Lambda Sensor



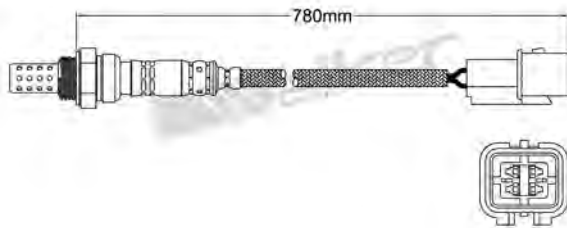
250-24249
JEEP 1999-2005
Heated Lambda Sensor



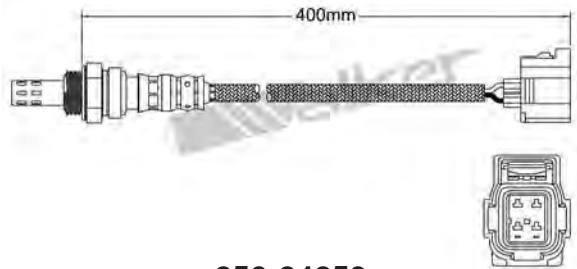
250-24241
MITSUBISHI 2000-2003
Heated Lambda Sensor



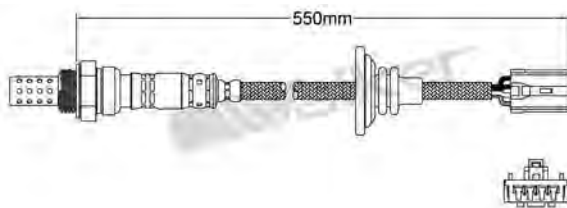
250-24251
CHRYSLER 2004-up / MERCEDES 2004-2005
Heated Lambda Sensor



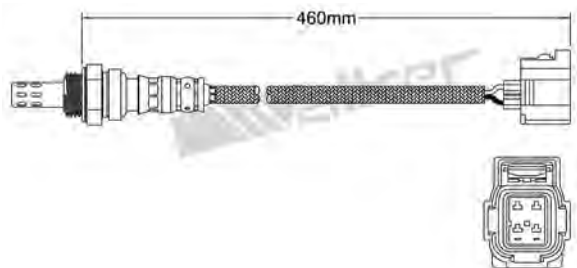
250-24242
MITSUBISHI 2000-up
Heated Lambda Sensor



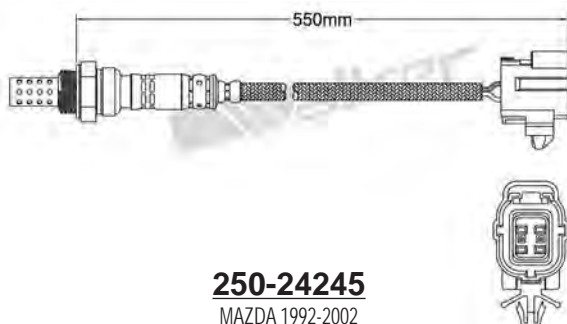
250-24253
CHRYSLER 2003-up / JEEP 2005-up
Heated Lambda Sensor



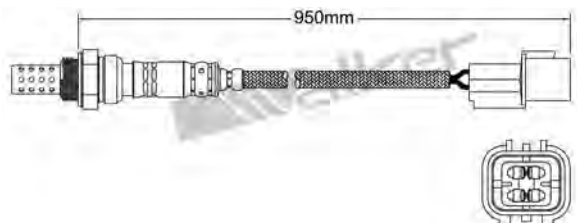
250-24244
LEXUS 2009-2011 / TOYOTA 2003-2006
Heated Lambda Sensor



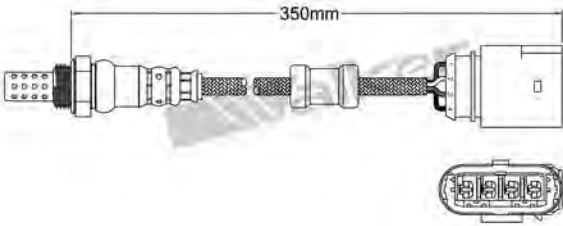
250-24259
JEEP 1999-up
Heated Lambda Sensor



250-24245
MAZDA 1992-2002
Heated Lambda Sensor

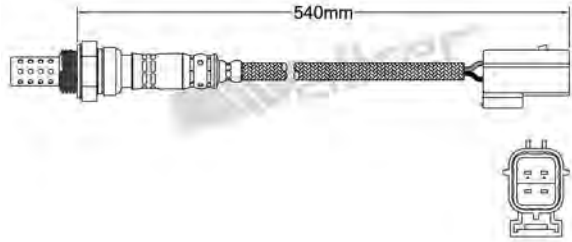


250-24262
MITSUBISHI 1998-2000
Heated Lambda Sensor



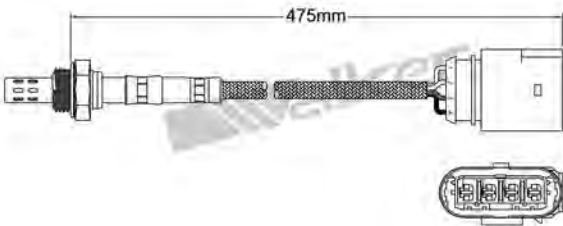
250-24263

AUDI 1998-2001 / SEAT 2001-up
VOLKSWAGEN 1999-2005
Heated Lambda Sensor



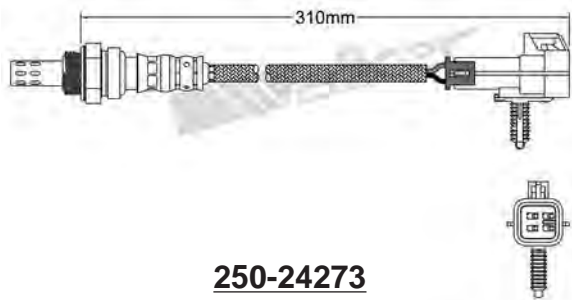
250-24272

ROVER 1996-1999
Heated Lambda Sensor



250-24264

VOLKSWAGEN 1999-2005
Heated Lambda Sensor



250-24273

FIAT 2005-up / VAUXHALL 2002-2005
Heated Lambda Sensor



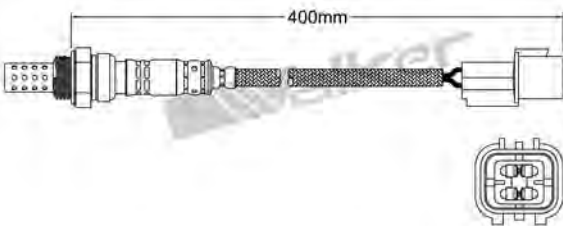
250-24265

CHRYSLER 2000-2002
Heated Lambda Sensor



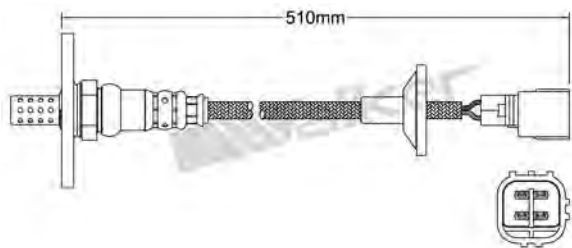
250-24276

JEEP 1999-2005
Heated Lambda Sensor



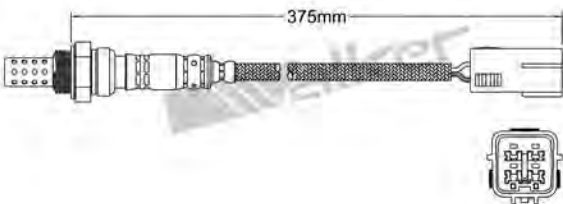
250-24270

MAZDA 2000-up
Heated Lambda Sensor



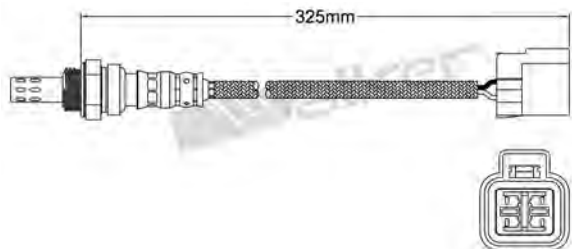
250-24277

LEXUS 2000-2003 / TOYOTA 1993-1996
Heated Lambda Sensor



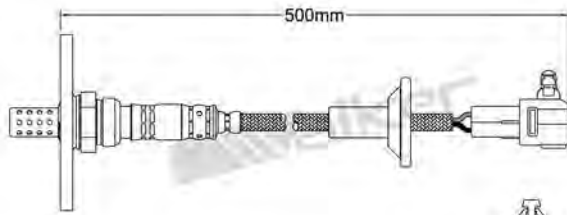
250-24271

MAZDA 2002-up
Heated Lambda Sensor

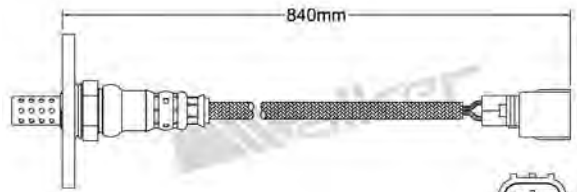


250-24280

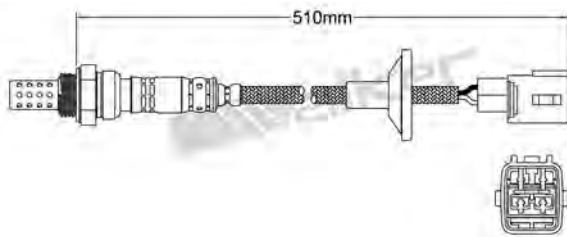
HYUNDAI 1992-1998
Heated Lambda Sensor



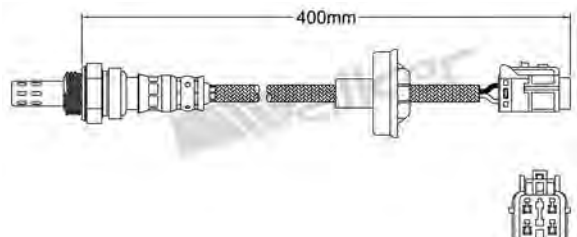
250-24281
TOYOTA 1989-1992
Heated Lambda Sensor



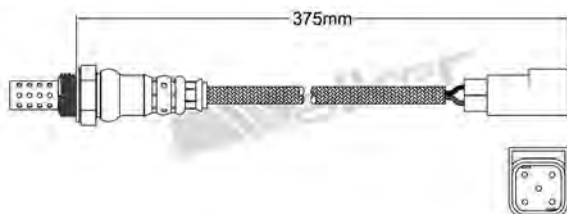
250-24288
TOYOTA 1993-1996
Heated Lambda Sensor



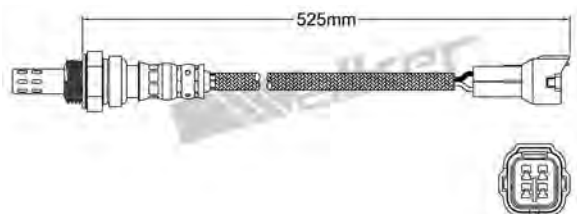
250-24282
TOYOTA 1999-2005
Heated Lambda Sensor



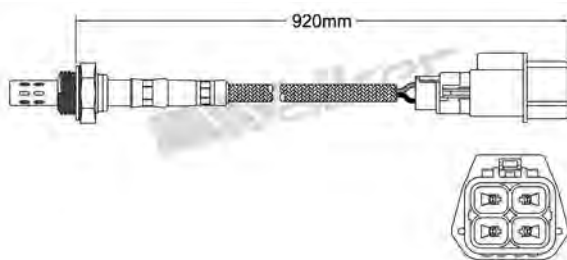
250-24289
HYUNDAI 1992-1995
Heated Lambda Sensor



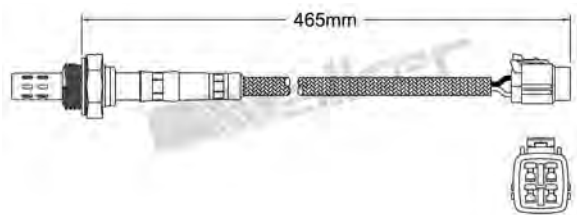
250-24283
FORD 1994-2002
Heated Lambda Sensor



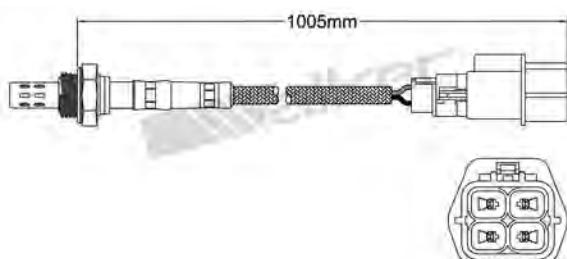
250-24291
SUZUKI 1995-up
Heated Lambda Sensor



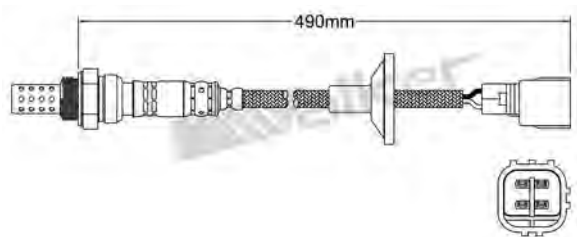
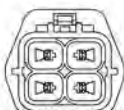
250-24284
NISSAN 2000-2006
Heated Lambda Sensor



250-24295
SUBARU 1998-up
Heated Lambda Sensor

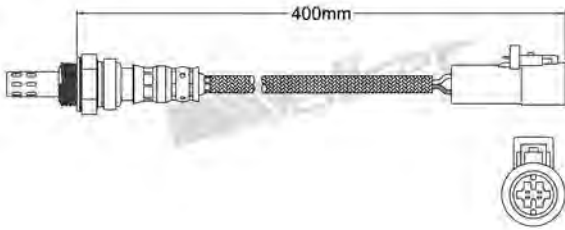


250-24286
NISSAN 2000-2006
Heated Lambda Sensor



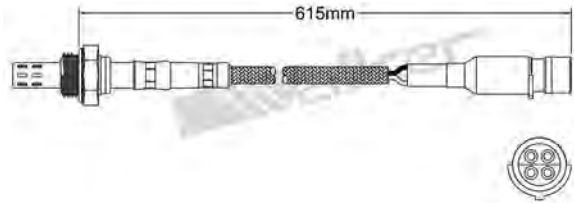
250-24298
TOYOTA 1999-2003
Heated Lambda Sensor





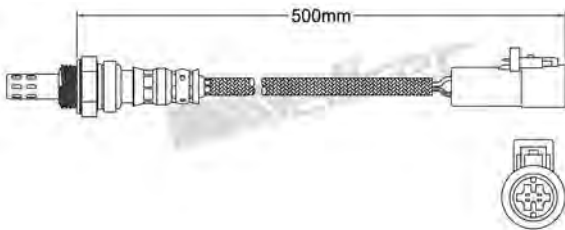
250-24301

FORD 2000-2007 / MAZDA 2004-up
Heated Lambda Sensor



250-24310

BMW 1982-1987
Heated Lambda Sensor



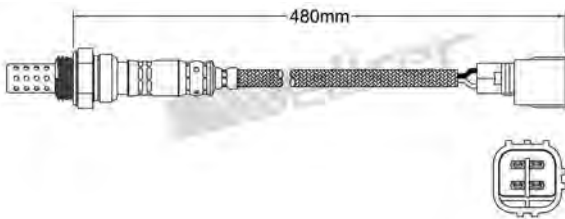
250-24302

FORD 1994-up / MAZDA 2000-up
Heated Lambda Sensor



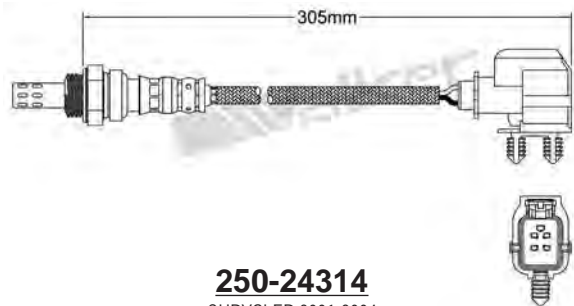
250-24311

ALFA ROMEO 2000-up
Heated Lambda Sensor



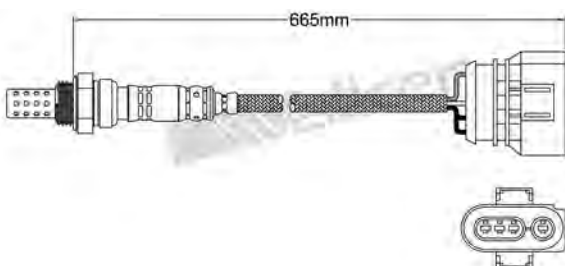
250-24305

DAIHATSU 2000-up / LEXUS 1997-2004
TOYOTA 2000-up
Heated Lambda Sensor



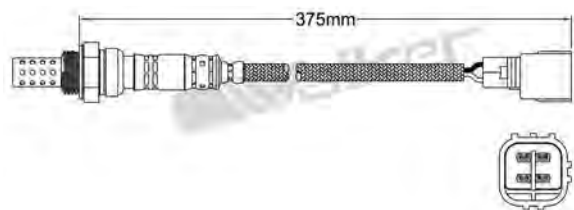
250-24314

CHRYSLER 2001-2004
Heated Lambda Sensor



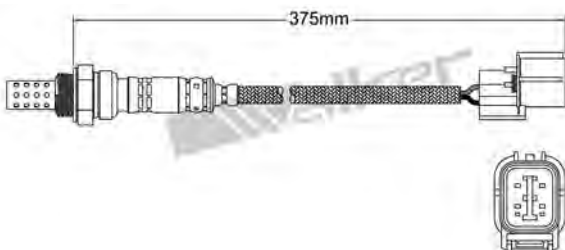
250-24307

SEAT 1995-1999 / VOLKSWAGEN 1992-1997
Heated Lambda Sensor



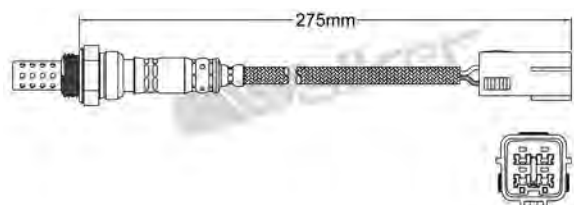
250-24322

SUBARU 2009-up
Heated Lambda Sensor



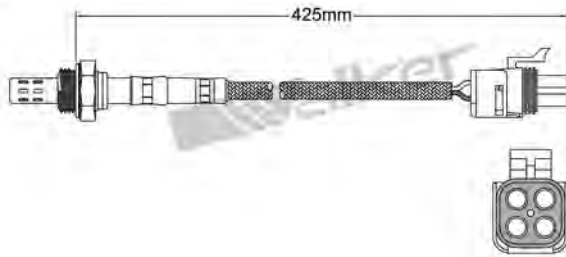
250-24308

HONDA 2000-2002
Heated Lambda Sensor

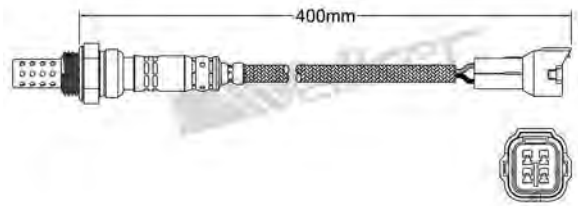


250-24325

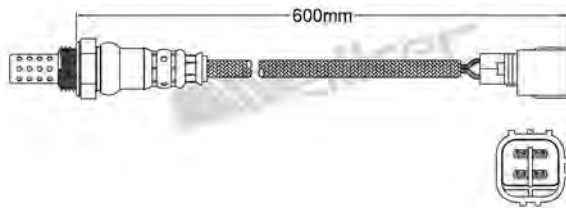
MAZDA 2003-up
Heated Lambda Sensor



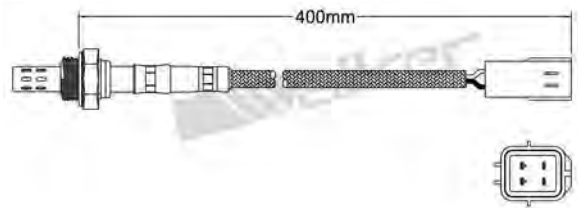
250-24330
LADA 1988-up
Heated Lambda Sensor



250-24338
SUBARU 1995-2003 / SUZUKI 1988-up
Heated Lambda Sensor



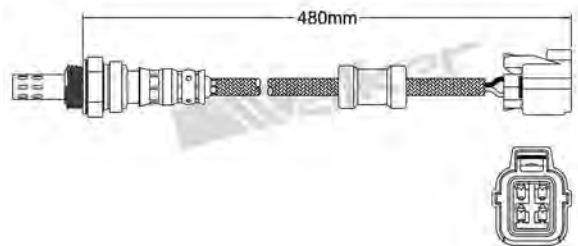
250-24331
TOYOTA 2000-2003
Heated Lambda Sensor



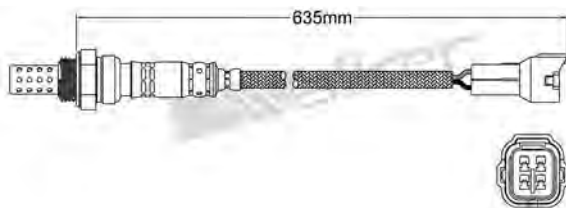
250-24341
KIA 1998-up
Heated Lambda Sensor



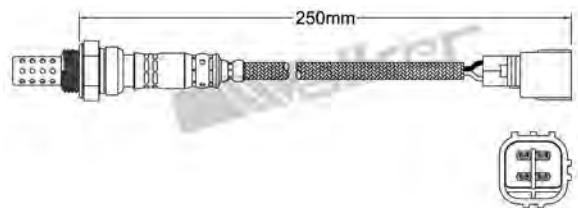
250-24333
SUZUKI 1998-up
Heated Lambda Sensor



250-24343
HONDA 1998-2002
Heated Lambda Sensor



250-24335
SUBARU 2001-2003 / SUZUKI 1995-up
Heated Lambda Sensor



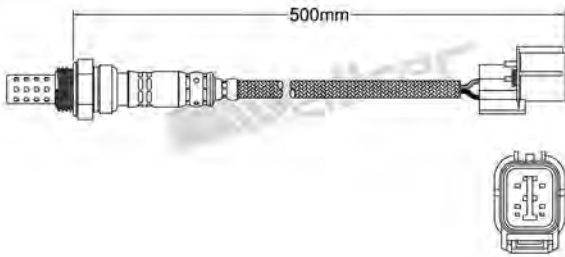
250-24344
DAIHATSU 2000-up / LEXUS 2001-2005
Heated Lambda Sensor



250-24336
SUZUKI 1998-up
Heated Lambda Sensor



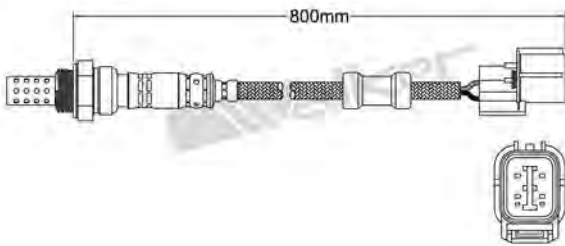
250-24345
CHRYSLER 2003
Heated Lambda Sensor



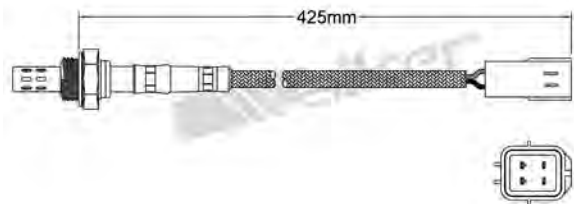
250-24346
HONDA 2006-up
Heated Lambda Sensor



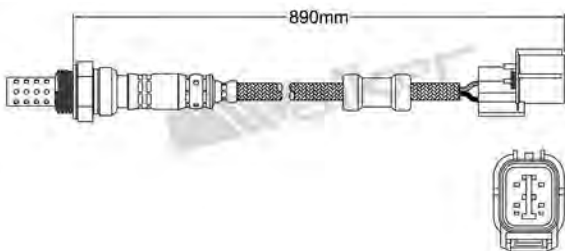
250-24354
CHEVROLET 2007-up
Heated Lambda Sensor



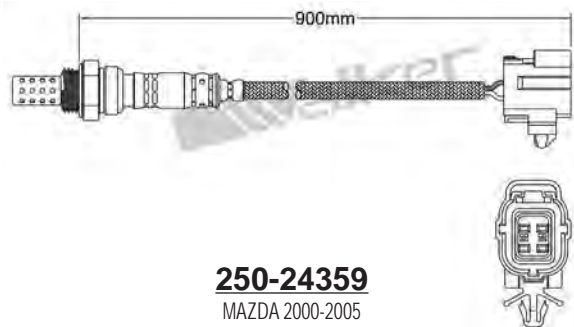
250-24347
HONDA 1999-2001
Heated Lambda Sensor



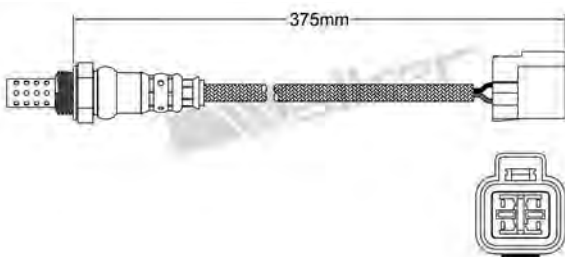
250-24356
HYUNDAI 1996-2002
Heated Lambda Sensor



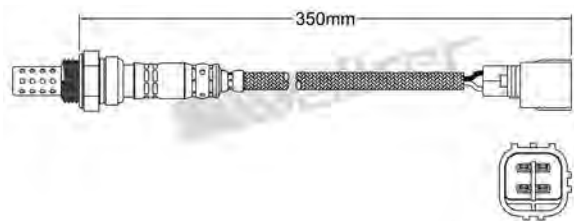
250-24348
HONDA 1999-2001
Heated Lambda Sensor



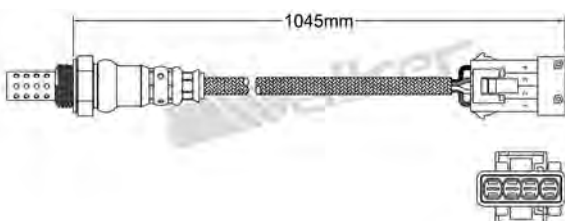
250-24359
MAZDA 2000-2005
Heated Lambda Sensor



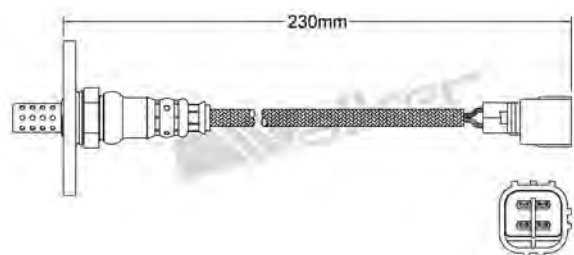
250-24349
HYUNDAI 1999-up / KIA 2004-up
Heated Lambda Sensor



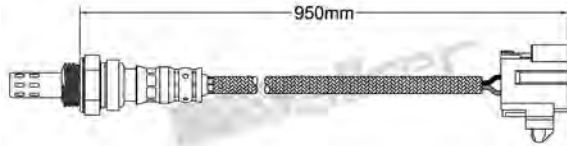
250-24360
DAIHATSU 2000-up / LEXUS 1995-1997
TOYOTA 1995-up
Heated Lambda Sensor



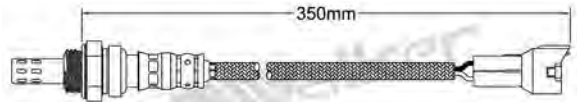
250-24353
SAAB 1997-up / VOLVO 1999-2002
Heated Lambda Sensor



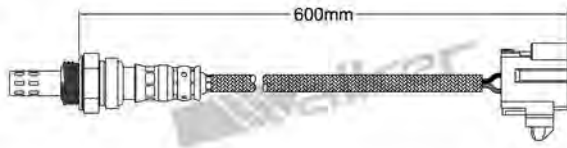
250-24361
TOYOTA 1995-1996
Heated Lambda Sensor



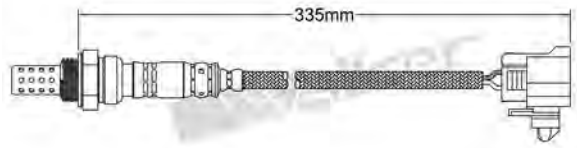
250-24362
MAZDA 1995-2000
Heated Lambda Sensor



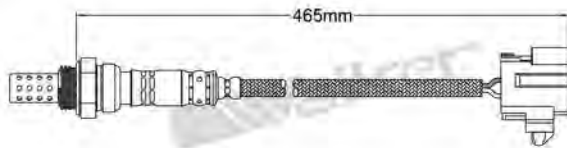
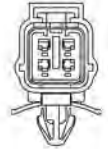
250-24372
SUZUKI 1996-2005
Heated Lambda Sensor



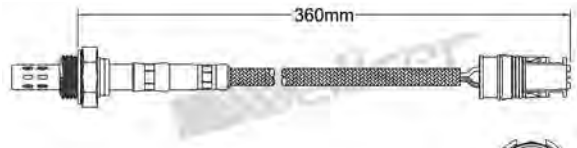
250-24365
MAZDA 2000-up
Heated Lambda Sensor



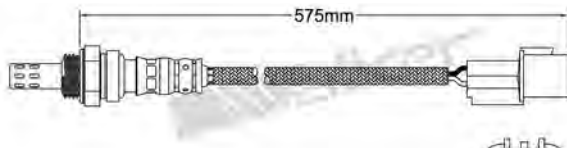
250-24378
MAZDA 2000-2002
Heated Lambda Sensor



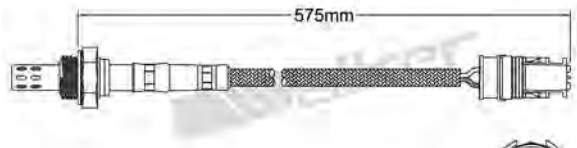
250-24366
MAZDA 2000-2002
Heated Lambda Sensor



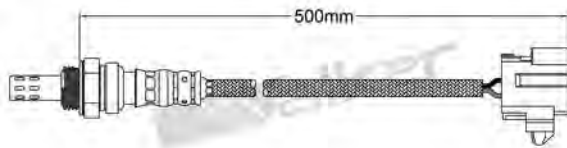
250-24380
BMW 1994-2001
Heated Lambda Sensor



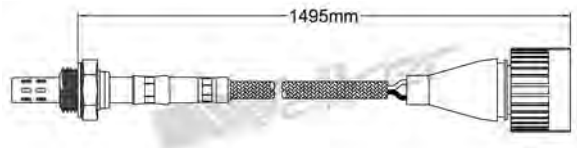
250-24368
HYUNDAI 1996-up / KIA 2001-up
MITSUBISHI 1999-up
Heated Lambda Sensor



250-24381
BMW 1994-2000
Heated Lambda Sensor

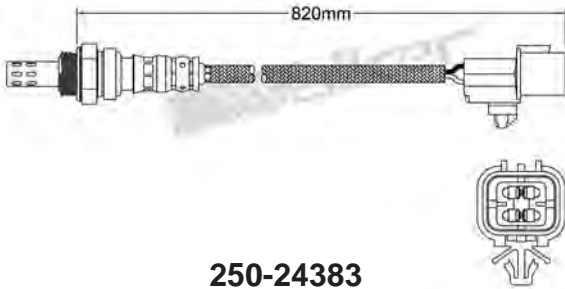


250-24369
KIA 1999-2001 / MAZDA 1995-1998
Heated Lambda Sensor

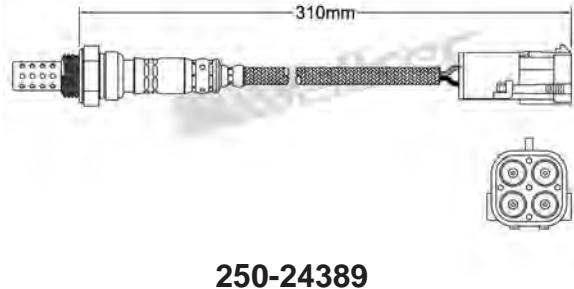


250-24382
BMW 1985-1997
Heated Lambda Sensor

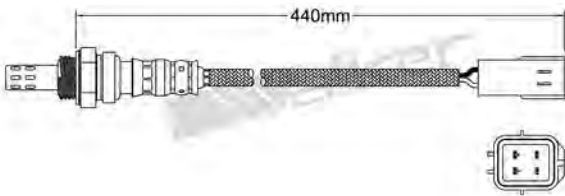




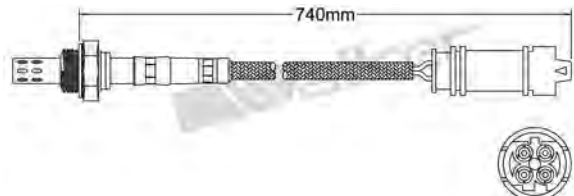
250-24383
HYUNDAI 1993-2002
Heated Lambda Sensor



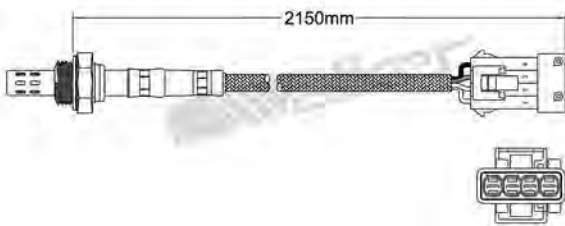
250-24389
VAUXHALL 1994-1998
Heated Lambda Sensor



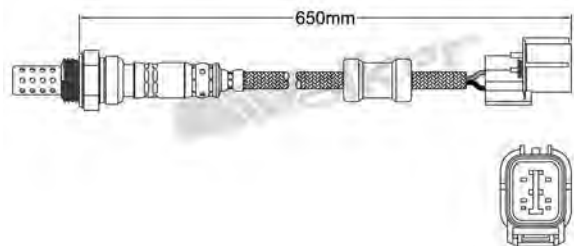
250-24384
KIA 2000-2005
Heated Lambda Sensor



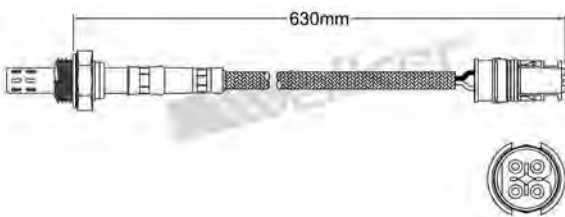
250-24390
BMW 1998-up
Heated Lambda Sensor



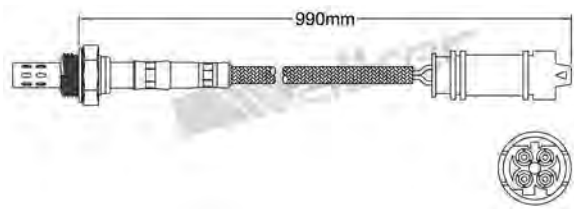
250-24385
24385 VOLVO 1994-1998
Heated Lambda Sensor



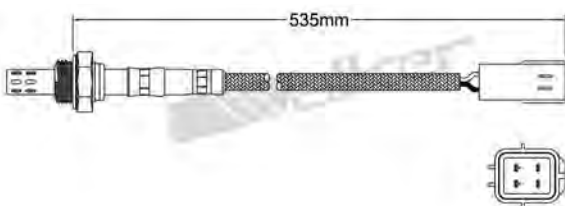
250-24391
HONDA 1999-up
Heated Lambda Sensor



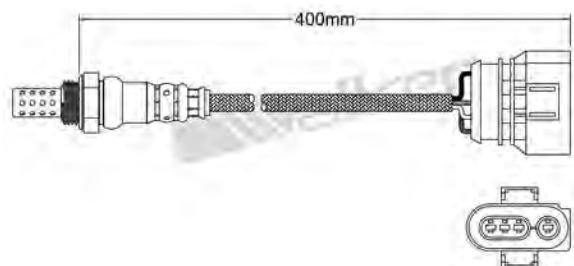
250-24387
MERCEDES 1991-2002
Heated Lambda Sensor



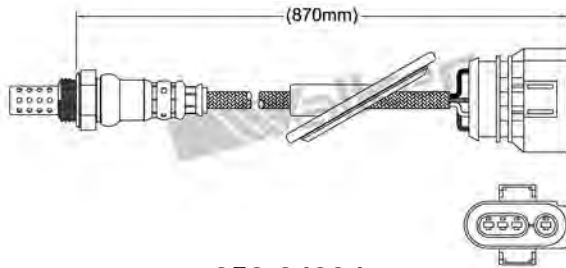
250-24392
BMW 1998-up / LAND ROVER 2002-2009
Heated Lambda Sensor



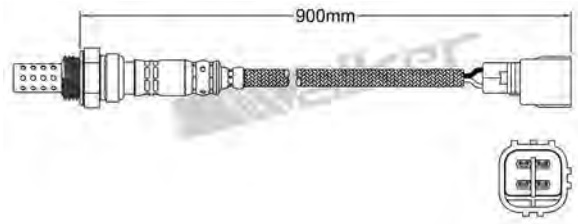
250-24388
KIA 2000-up
Heated Lambda Sensor



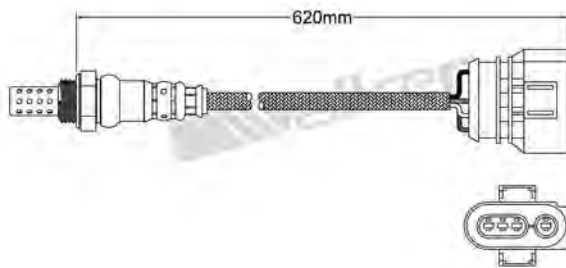
250-24393
AUDI 1998-2002
Heated Lambda Sensor



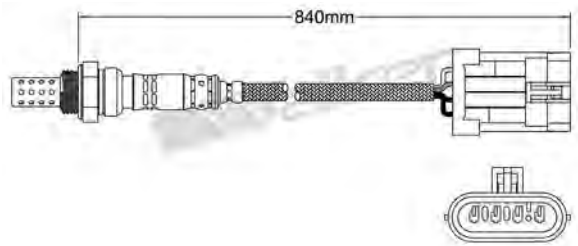
250-24394
AUDI 1999-2004
Heated Lambda Sensor



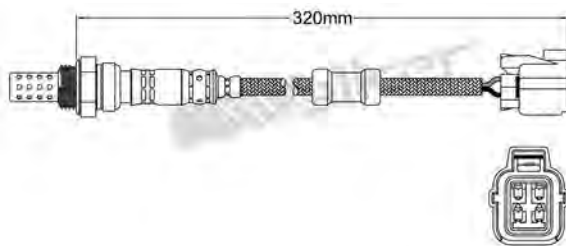
250-24404
TOYOTA 2000-up
Heated Lambda Sensor



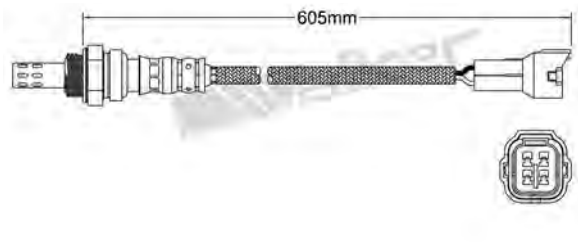
250-24395
AUDI 1998-2005 / VOLKSWAGEN 1999-2005
Heated Lambda Sensor



250-24406
DAEWOO 1997-up
Heated Lambda Sensor



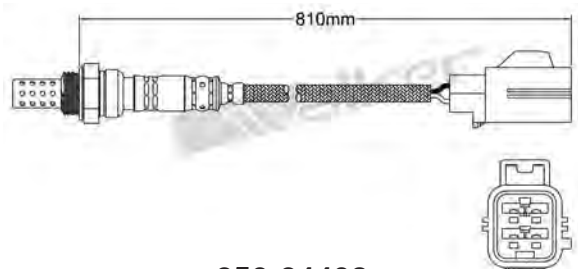
250-24398
HONDA 2004-2006
Heated Lambda Sensor



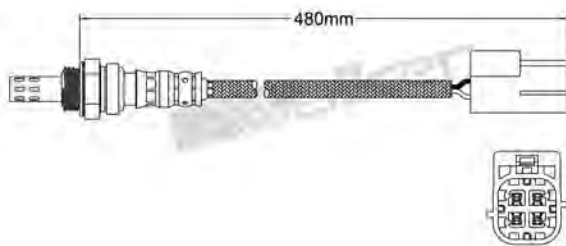
250-24407
SUZUKI 1998-up
Heated Lambda Sensor



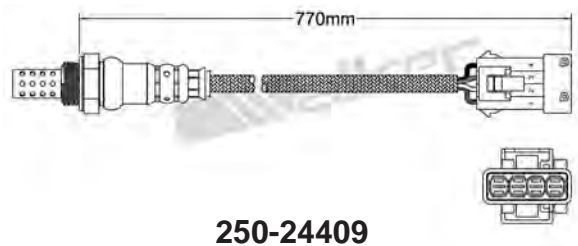
250-24400
CITROEN 1997-1998 / HONDA 1990-1993
MAZDA 1995-2003 / OPEL 2000-up
ROVER 1993-1999 / SAAB 2004-up
SUZUKI 1995-2002 / VAUXHALL 2000-up
VOLKSWAGEN 1999-2000
Heated Lambda Sensor



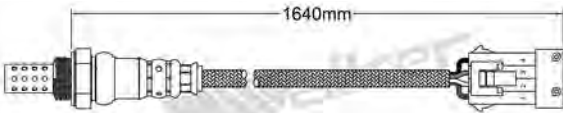
250-24408
VOLVO 1997-2002
Heated Lambda Sensor



250-24403
NISSAN 2001-up / RENAULT 2002-up
Heated Lambda Sensor



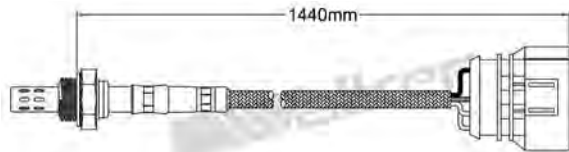
250-24409
FIAT 2002-2006 / FORD 2005-up
PORSCHE 2001-up / SAAB 1998-up
VOLVO 1998-up
Heated Lambda Sensor



250-24410

CITROEN 1998-up / FIAT 1998-2006
LANCIA 1998-2000 / OPEL 2004-2009
PEUGEOT 1999-up / SAAB 1998-2003
VOLVO 1998-2001

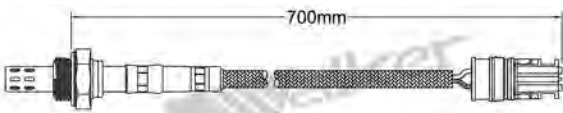
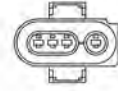
Heated Lambda Sensor



250-24417

AUDI 1996-2001
FORD 1995-1996 / VOLKSWAGEN 1994-2000

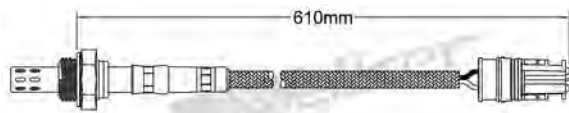
Heated Lambda Sensor



250-24411

BMW 2000-up / MERCEDES 1997-2002

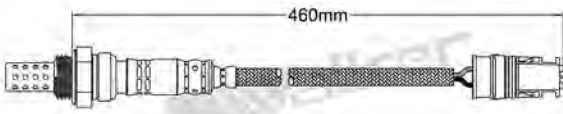
Heated Lambda Sensor



250-24419

MERCEDES 1997-2002

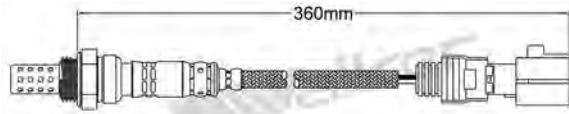
Heated Lambda Sensor



250-24412

MERCEDES 1995-2003

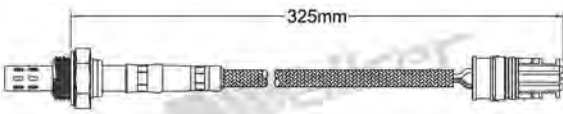
Heated Lambda Sensor



250-24420

LEXUS 2003-2008 / TOYOTA 2001-up

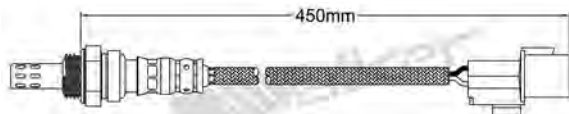
Heated Lambda Sensor



250-24413

MERCEDES 1997-2002

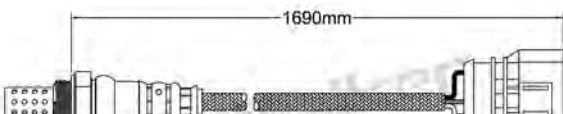
Heated Lambda Sensor



250-24422

HYUNDAI 1998-up / KIA 2001-up
MITSUBISHI 1999-up

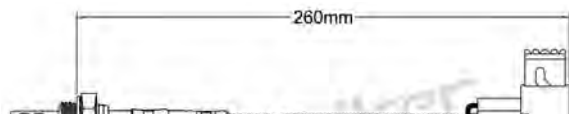
Heated Lambda Sensor



250-24414

AUDI 1995-2005 / SKODA 2001-2008
VOLKSWAGEN 2000-2005

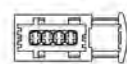
Heated Lambda Sensor

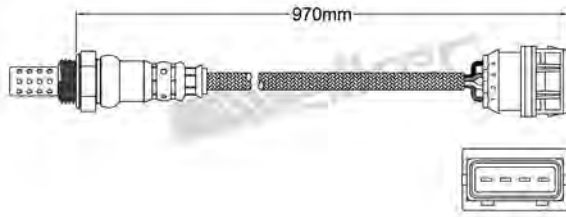


250-24423

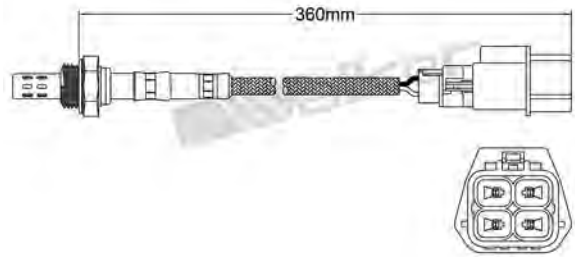
PORSCHE 1996-2002

Heated Lambda Sensor

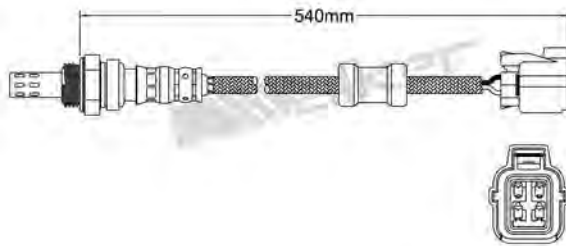




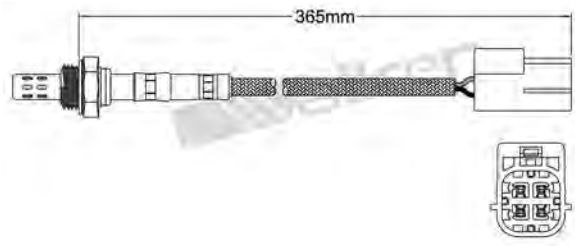
250-24428
VOLVO 2000-2004
Heated Lambda Sensor



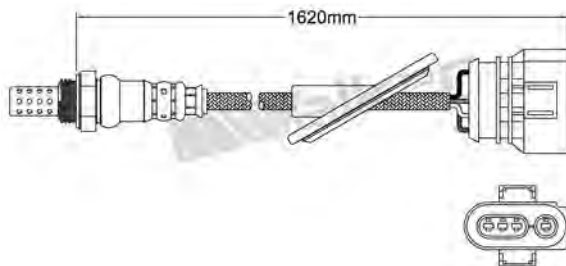
250-24434
NISSAN 2000
Heated Lambda Sensor



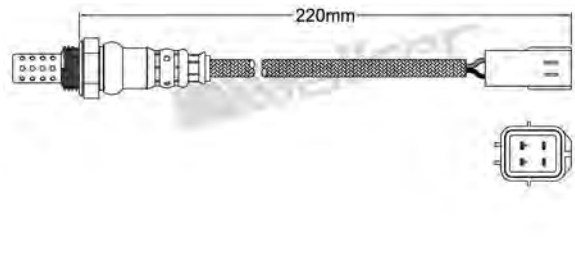
250-24429
HONDA 2001-up
Heated Lambda Sensor



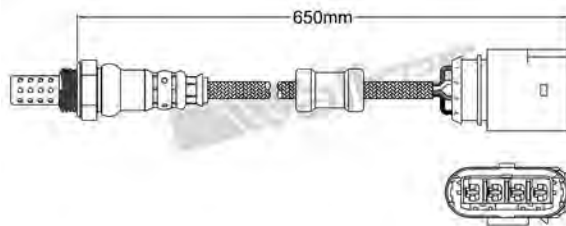
250-24437
NISSAN 2000-up
Heated Lambda Sensor



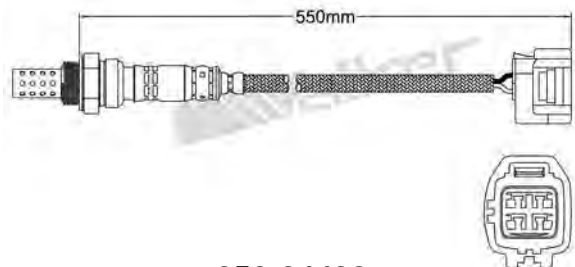
250-24430
AUDI 1998-2002
Heated Lambda Sensor



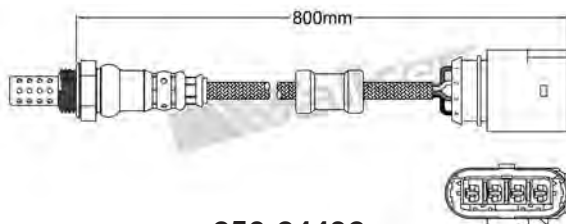
250-24438
HYUNDAI 2000-up / KIA 2004-up
Heated Lambda Sensor



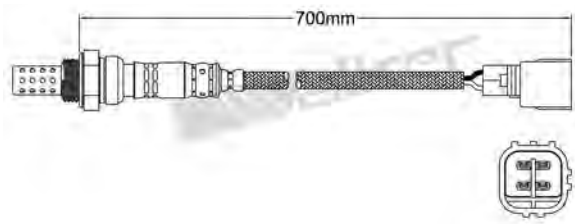
250-24431
AUDI 2003-2006 / SEAT 1999-up
SKODA 1999-2007 / VOLKSWAGEN 1998-up
Heated Lambda Sensor



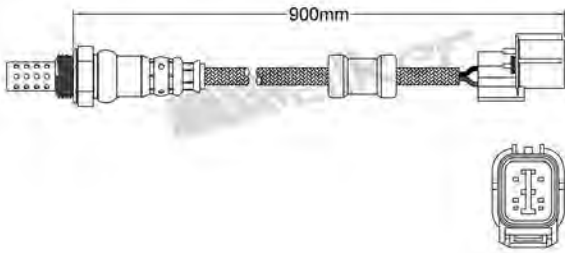
250-24439
JAGUAR 1999-up
Heated Lambda Sensor



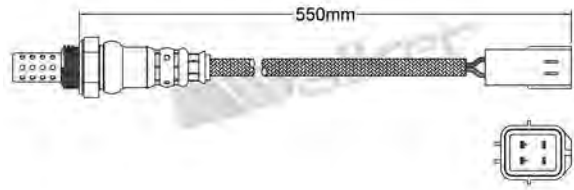
250-24432
AUDI 1998-up / PORSCHE 2003-2006
SEAT 1999-2006 / SKODA 1999-2006
VOLKSWAGEN 1999-up
Heated Lambda Sensor



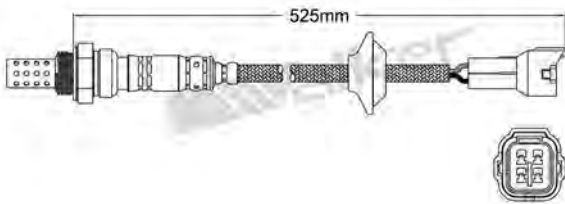
250-24440
SUBARU 1998-up
Heated Lambda Sensor



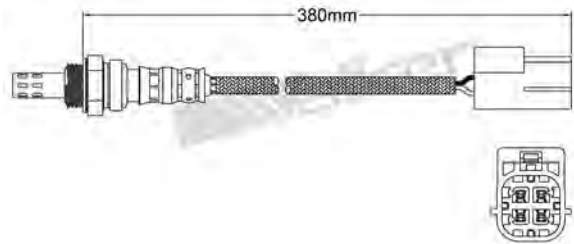
250-24441
HONDA 1997-1999
Heated Lambda Sensor



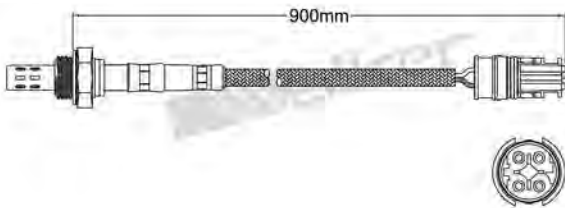
250-24447
KIA 2002-2006
Heated Lambda Sensor



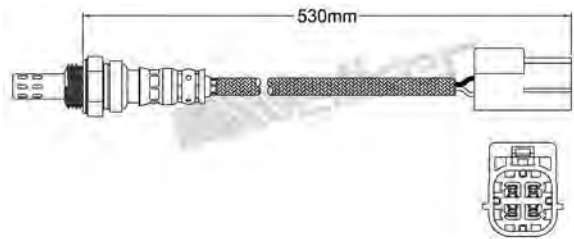
250-24442
SUZUKI 1996-2002
Heated Lambda Sensor



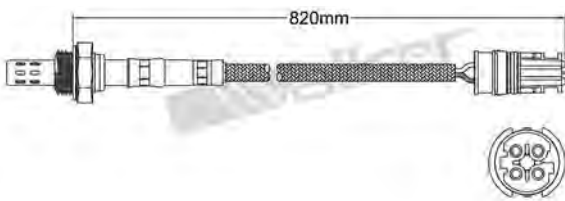
250-24448
NISSAN 2002-up
Heated Lambda Sensor



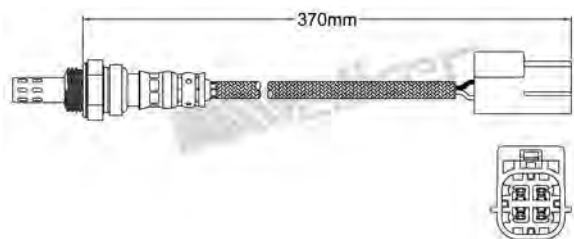
250-24444
BMW 1997-up
Heated Lambda Sensor



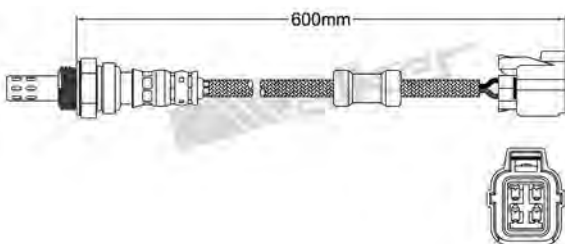
250-24450
NISSAN 2003-up
Heated Lambda Sensor



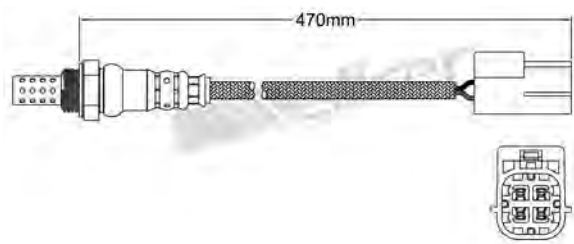
250-24445
BMW 1997-up
Heated Lambda Sensor



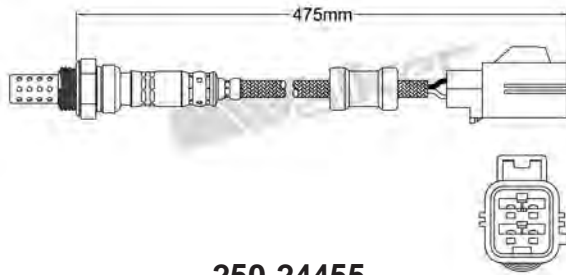
250-24452
NISSAN 2001-up / RENAULT 2002-up
Heated Lambda Sensor



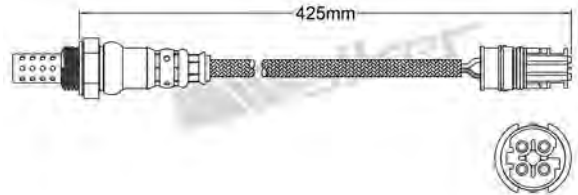
250-24446
HONDA 2001-2005
Heated Lambda Sensor



250-24453
NISSAN 2002-up
Heated Lambda Sensor



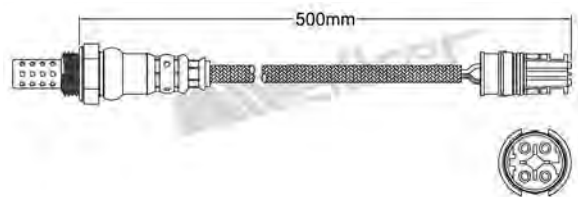
250-24455
LAND ROVER 2004-up / VOLVO 2000-up
Heated Lambda Sensor



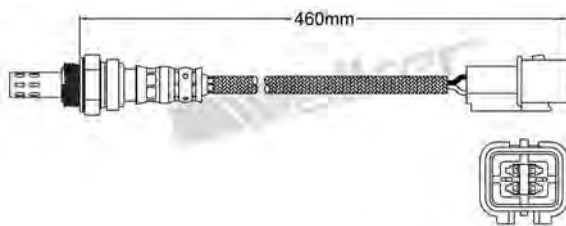
250-24464
BMW 2005-up / MERCEDES 1997-2004
Heated Lambda Sensor



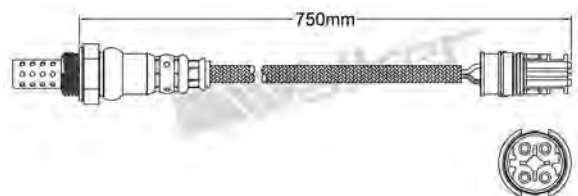
250-24460
CHRYSLER 2004-up / JEEP 2005-up
Heated Lambda Sensor



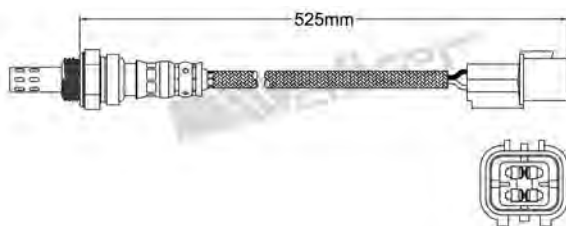
250-24465
BMW 2005-up / MERCEDES 1998-up
Heated Lambda Sensor



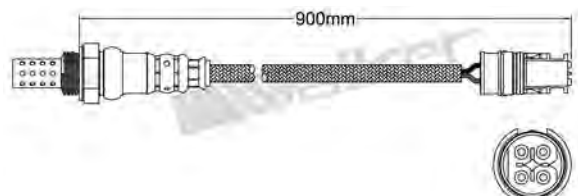
250-24461
HYUNDAI 2003-up / KIA 2004-up
Heated Lambda Sensor



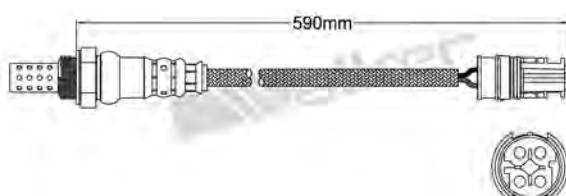
250-24466
BMW 2004-up / MERCEDES 1997-up
Heated Lambda Sensor



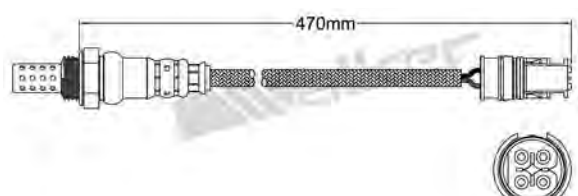
250-24462
HYUNDAI 2002-up / KIA 2003-up
Heated Lambda Sensor



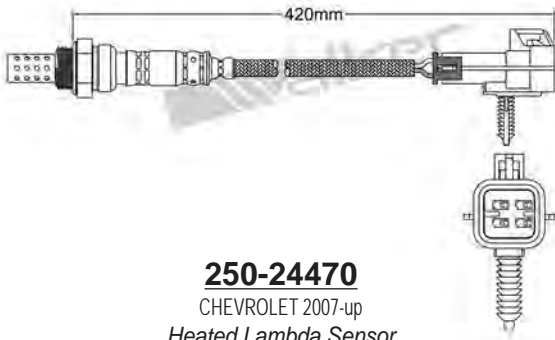
250-24468
MERCEDES 1997-up
Heated Lambda Sensor



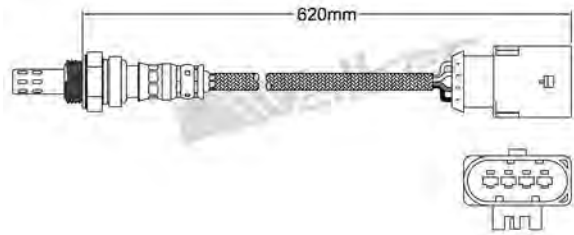
250-24463
MERCEDES 1997-2002
Heated Lambda Sensor



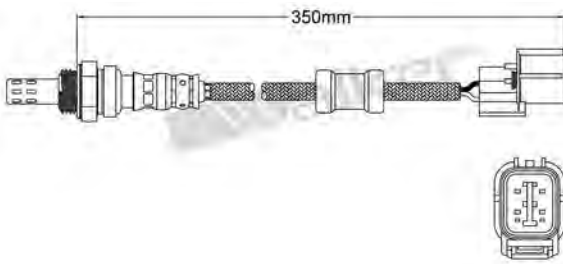
250-24469
CHRYSLER 2003-up / MERCEDES 1996-up
SMART 1998-2004
Heated Lambda Sensor



250-24470
CHEVROLET 2007-up
Heated Lambda Sensor



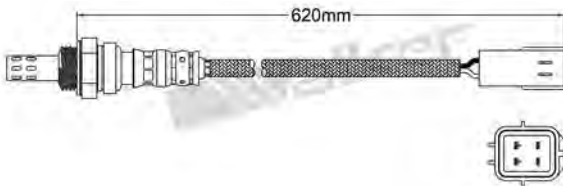
250-24480
MG 2001-up / ROVER 1999-up
Heated Lambda Sensor



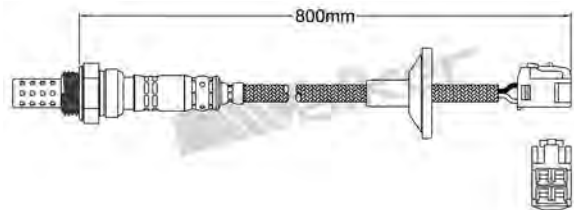
250-24473
HONDA 1997-up
Heated Lambda Sensor



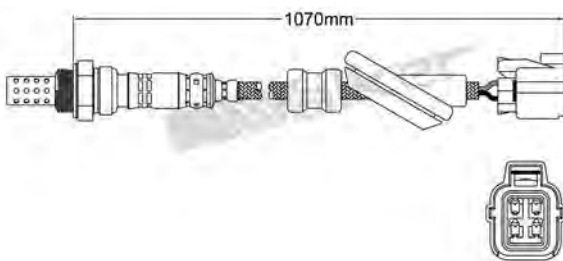
250-24482
VOLVO 2001-up
Heated Lambda Sensor



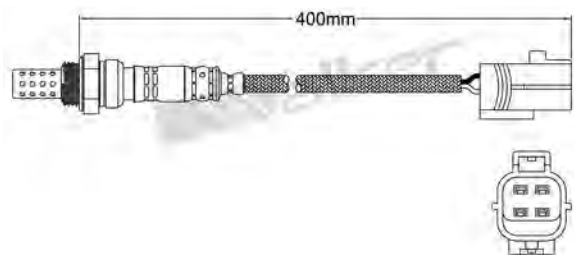
250-24475
MAZDA 2000-up
Heated Lambda Sensor



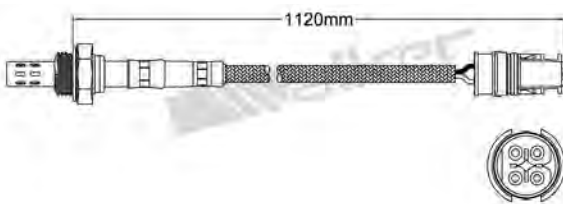
250-24483
LEXUS 2000-2006
Heated Lambda Sensor



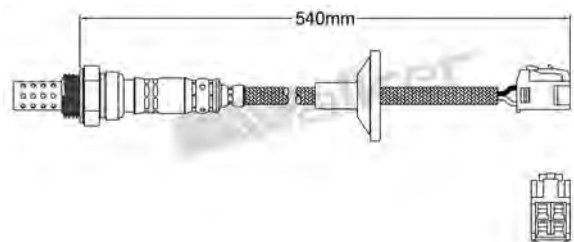
250-24476
HONDA 2003-up
Heated Lambda Sensor



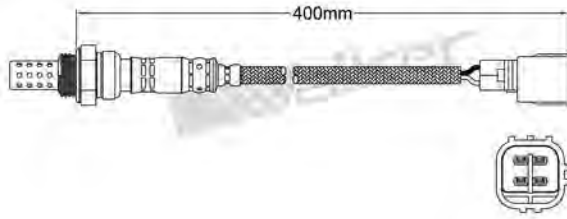
250-24485
MITSUBISHI 2010-up
Heated Lambda Sensor



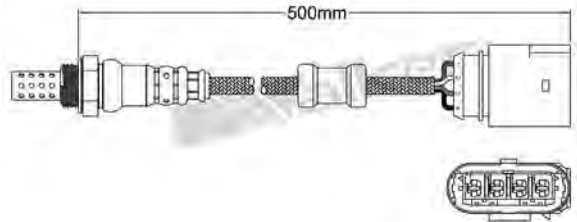
250-24478
BMW 1995-up
Heated Lambda Sensor



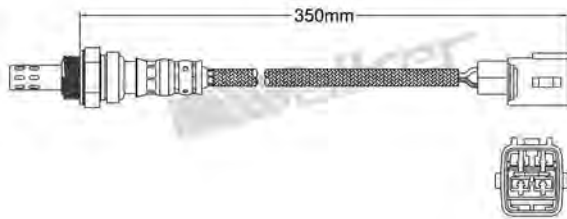
250-24486
TOYOTA 2002-2003
Heated Lambda Sensor



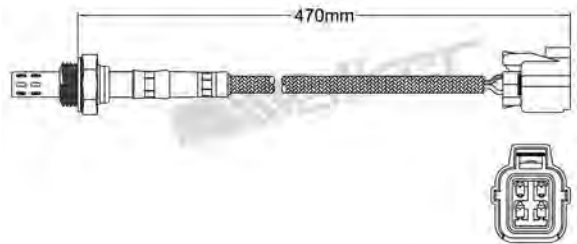
250-24487
DAIHATSU 2001-up
Heated Lambda Sensor



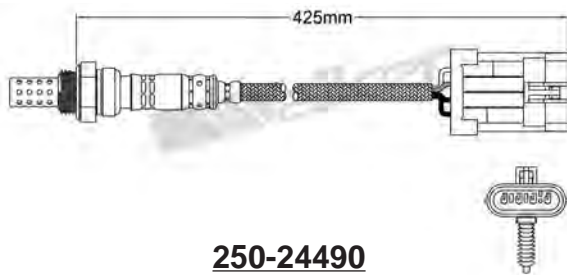
250-24495
AUDI 1998-2001 / SEAT 2002-2003
SKODA 1999-2004 / VOLKSWAGEN 1998-up
Heated Lambda Sensor



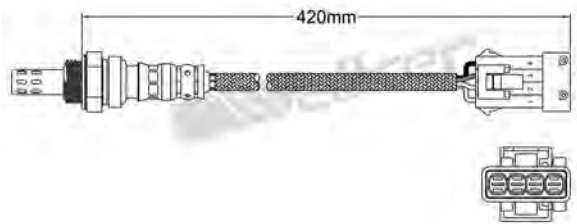
250-24489
TOYOTA 2002-up
Heated Lambda Sensor



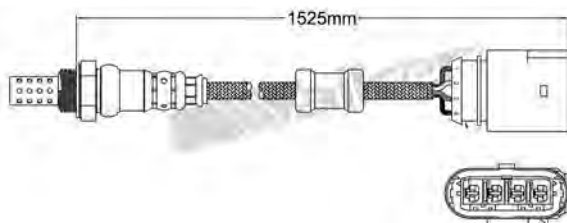
250-24496
LAND ROVER 1994-2004
Heated Lambda Sensor



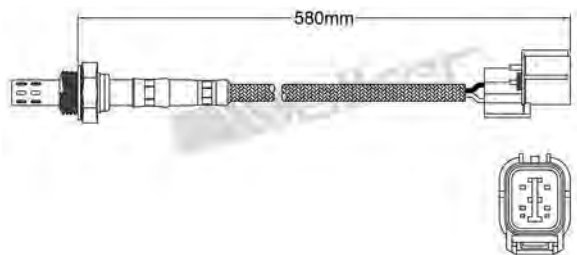
250-24490
CHEVROLET 2005-up / DAEWOO 2002-up
VAUXHALL 1998-up
Heated Lambda Sensor



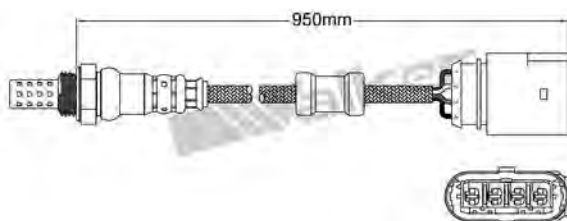
250-24497
OPEL 2003-2004 / SAAB 2002-2003
VAUXHALL 2003-2004
Heated Lambda Sensor



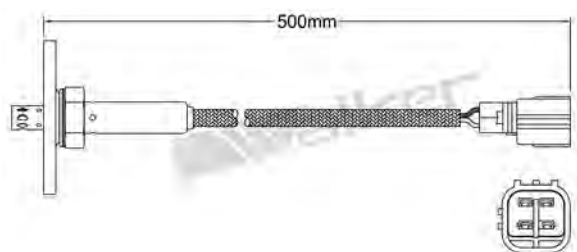
250-24493
AUDI 2000-up / SEAT 2001-2004
VOLKSWAGEN 1999-2006
Heated Lambda Sensor



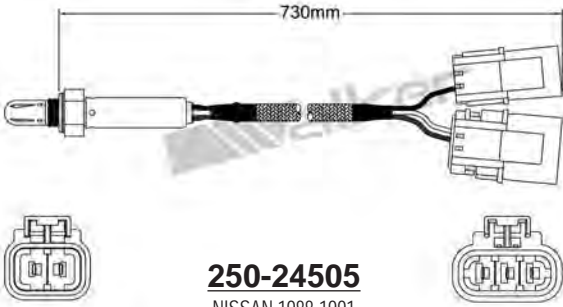
250-24498
LAND ROVER 1994-2002
Heated Lambda Sensor



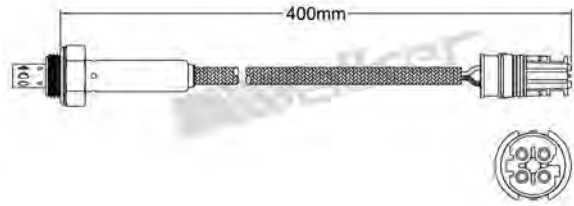
250-24494
AUDI 2002-up / VOLKSWAGEN 2000-up
Heated Lambda Sensor



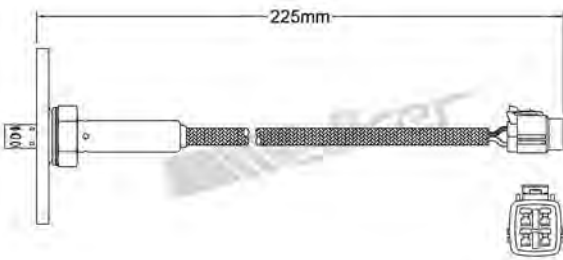
250-24501
TOYOTA 1992-1995
Heated Lambda Sensor



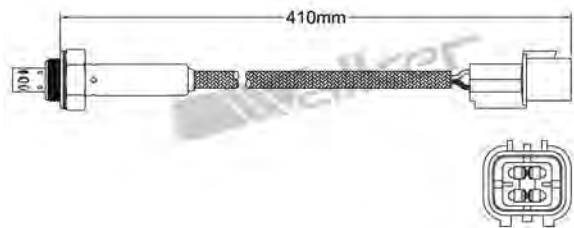
250-24505
NISSAN 1988-1991
Heated Lambda Sensor



250-24516
BMW 1997-2000
Heated Lambda Sensor



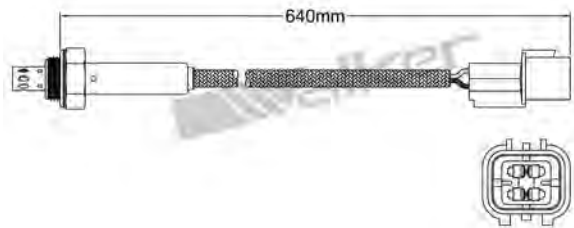
250-24507
TOYOTA 1989-1993
Heated Lambda Sensor



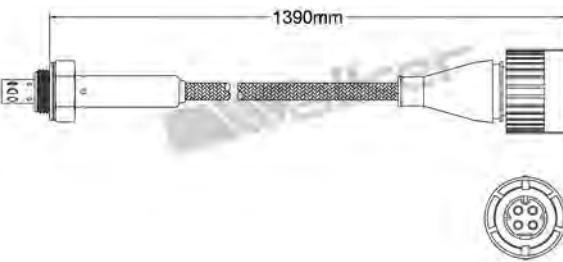
250-24517
HYUNDAI 1998-2006 / KIA 2001-2005
Heated Lambda Sensor



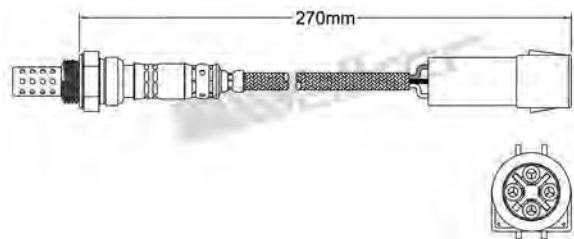
250-24509
LAND ROVER 2009-up
Heated Lambda Sensor



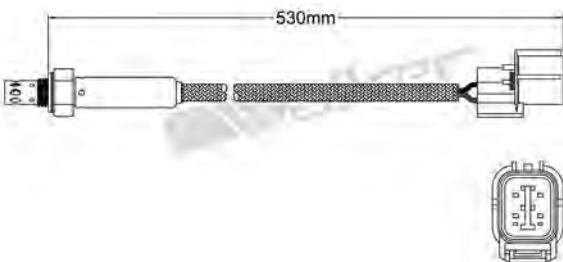
250-24518
HYUNDAI 1998-2003 / KIA 2001-2003
Heated Lambda Sensor



250-24510
BMW 1992-1996
Heated Lambda Sensor



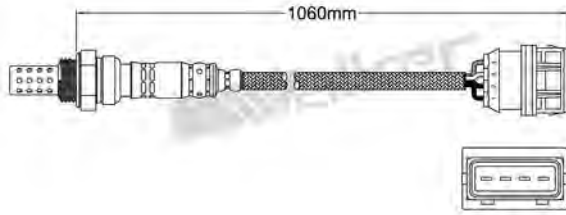
250-24519
FORD 1985-1989
Heated Lambda Sensor



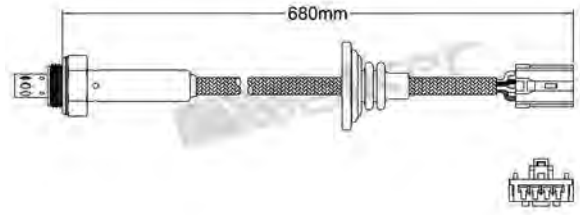
250-24512
LAND ROVER 1994-2002
Heated Lambda Sensor



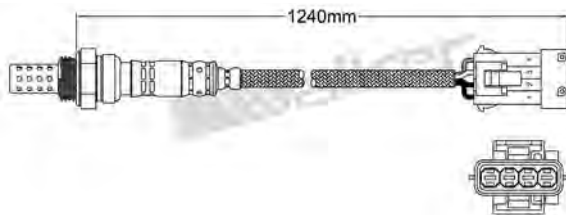
250-24524
ALFA ROMEO 1996-2001 / FIAT 1997-up
LANCIA 1998-2006
Heated Lambda Sensor



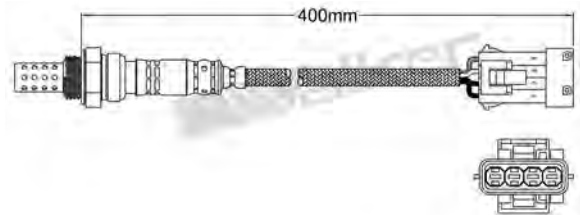
250-24526
VOLVO 1995-1999
Heated Lambda Sensor



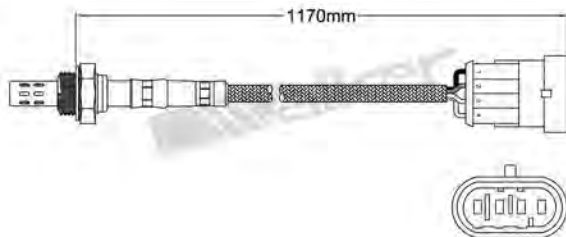
250-24535
VOLVO 1999-2004
Heated Lambda Sensor



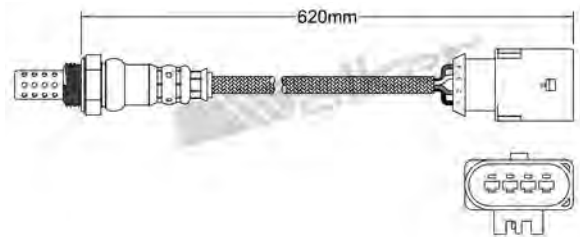
250-24527
CITROEN 1992-2004 / PEUGEOT 1995-2004
Heated Lambda Sensor



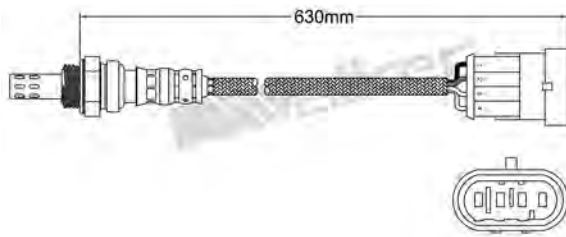
250-24536
CITROEN 1988-2003 / PEUGEOT 1995-up
Heated Lambda Sensor



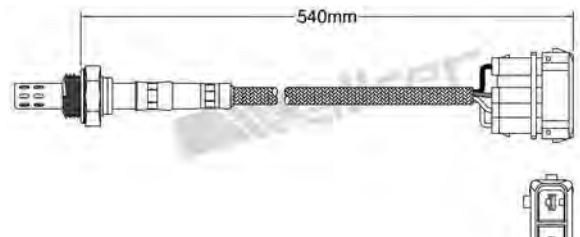
250-24530
ALFA ROMEO 1995-2006 / FIAT 1995-1996
LANCIA 1994-2001
Heated Lambda Sensor



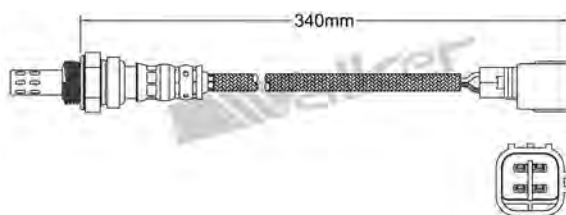
250-24538
LAND ROVER 1997-2006 / MG 1995-up
MINI 2003-2005 / ROVER 1999-2005
Heated Lambda Sensor



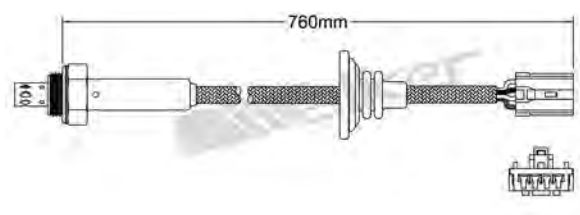
250-24531
FIAT 1996-up / LANCIA 1996-2006
Heated Lambda Sensor



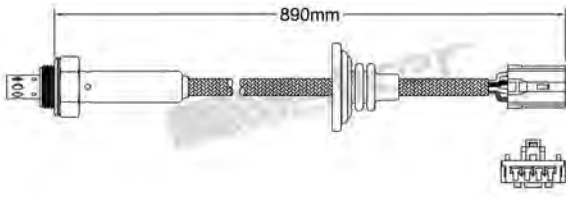
250-24540
SKODA 1997-2001
Heated Lambda Sensor



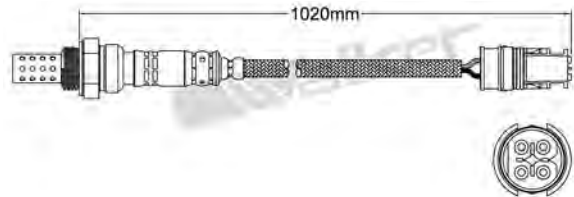
250-24532
TOYOTA 1993-2000
Heated Lambda Sensor



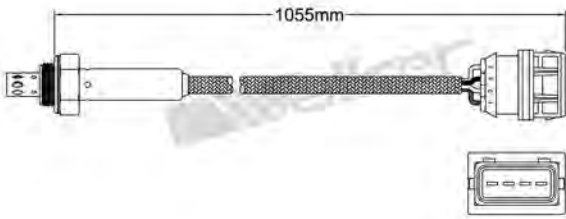
250-24541
VOLVO 1999-2004
Heated Lambda Sensor



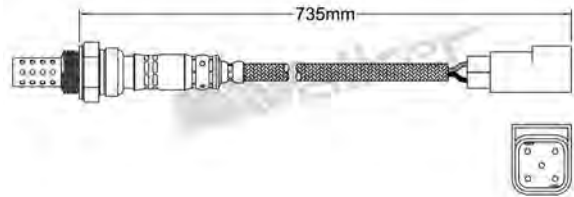
250-24542
VOLVO 1997-2000
Heated Lambda Sensor



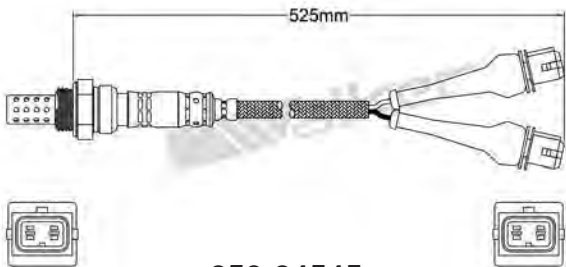
250-24551
MERCEDES 1995-2002
Heated Lambda Sensor



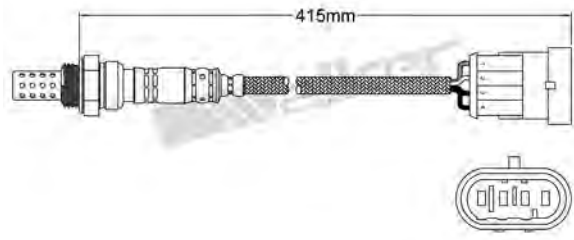
250-24543
VOLVO 1997-2000
Heated Lambda Sensor



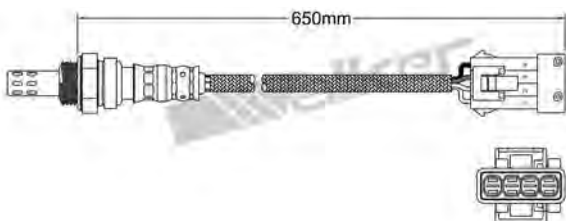
250-24552
FORD 1990-2002
Heated Lambda Sensor



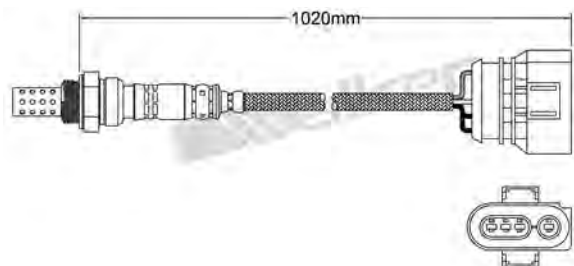
250-24545
PEUGEOT 1987-1998
Heated Lambda Sensor



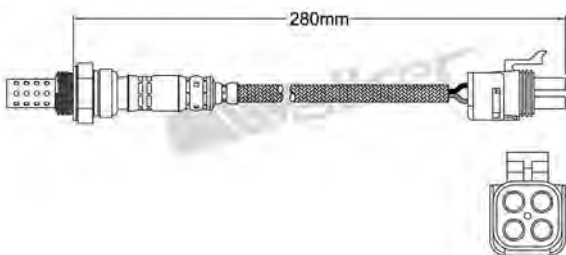
250-24553
FIAT 1995-up
Heated Lambda Sensor



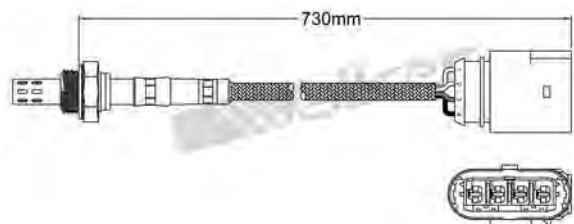
250-24546
MINI 2006-up
PEUGEOT 1995-1997 / SAAB 1995-1998
Heated Lambda Sensor



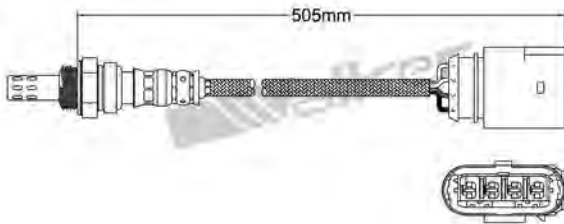
250-24555
AUDI 1995-2005 / VOLKSWAGEN 1994-2000
Heated Lambda Sensor



250-24549
RENAULT 1996-1999
Heated Lambda Sensor

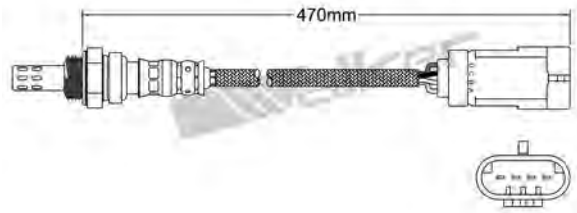


250-24558
AUDI 1996-2003 / SEAT 1997-2003
SKODA 1996-2006 / VOLKSWAGEN 1997-2006
Heated Lambda Sensor



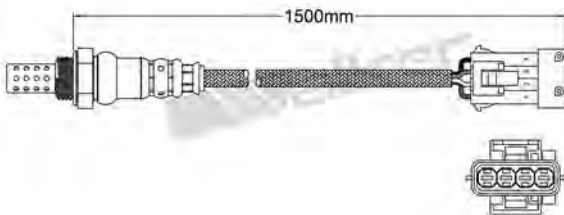
250-24560

AUDI 1997-1998 / SEAT 1997-1999
SKODA 1997-2004 / VOLKSWAGEN 1997-2000
Heated Lambda Sensor



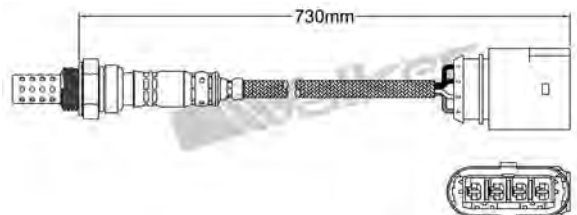
250-24568

DACIA 2004-up / NISSAN 2003-2006
RENAULT 1998-up
Heated Lambda Sensor



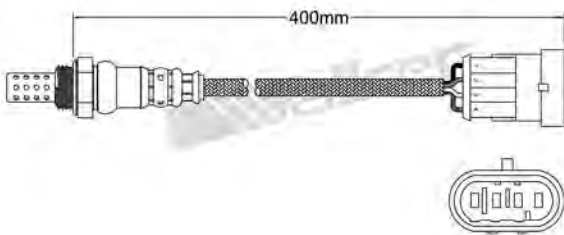
250-24563

CITROEN 1994-1999 / PEUGEOT 1994-1999
Heated Lambda Sensor



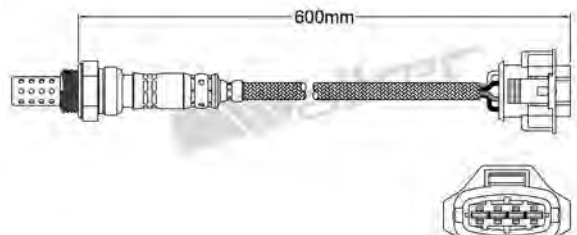
250-24569

SKODA 2001-2004 / VOLKSWAGEN 1999-up
Heated Lambda Sensor



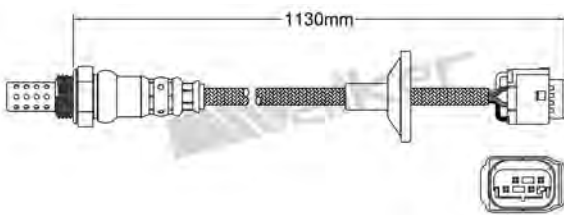
250-24564

ALFA ROMEO 2000-up / FIAT 1997-up
LANCIA 2000-up
Heated Lambda Sensor



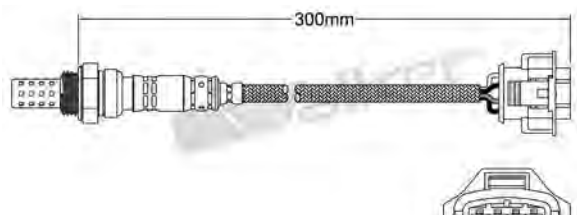
250-24571

OPEL 1999-2003 / VAUXHALL 1999-up
Heated Lambda Sensor



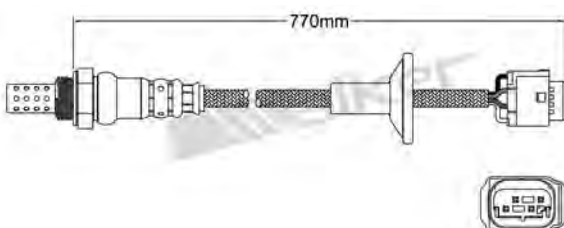
250-24565

MG 2001-up / ROVER 1999-2004
Heated Lambda Sensor



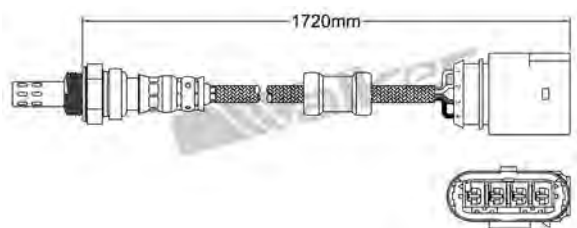
250-24573

VAUXHALL 1998-2000
Heated Lambda Sensor



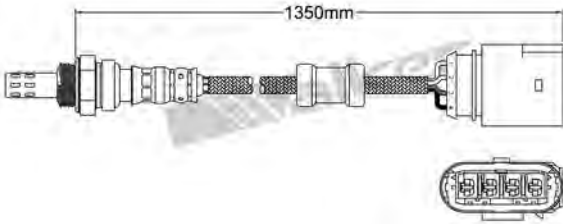
250-24566

MG 2001-up / MINI 2003-2005
ROVER 1999-2005
Heated Lambda Sensor

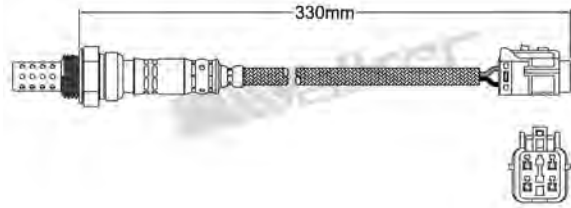


250-24574

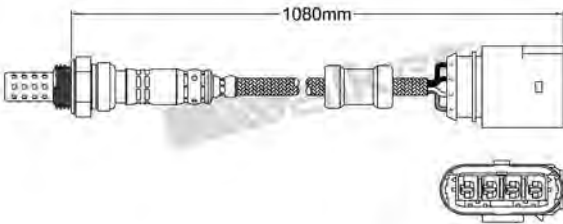
SEAT 2000 / VOLKSWAGEN 1999-2003
Heated Lambda Sensor



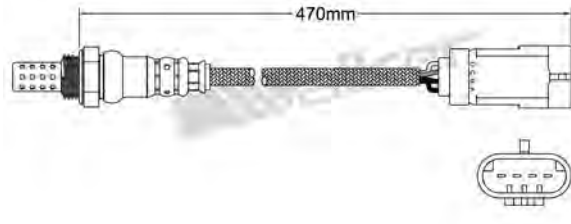
250-24576
SEAT 1999-2003 / VOLKSWAGEN 1999-2003
Heated Lambda Sensor



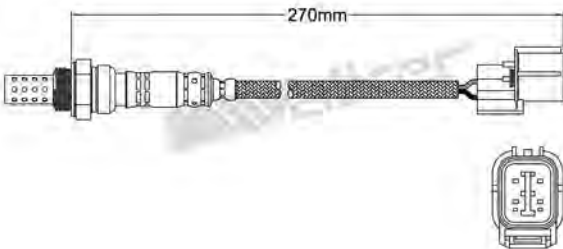
250-24584
HYUNDAI 1995-1996
Heated Lambda Sensor



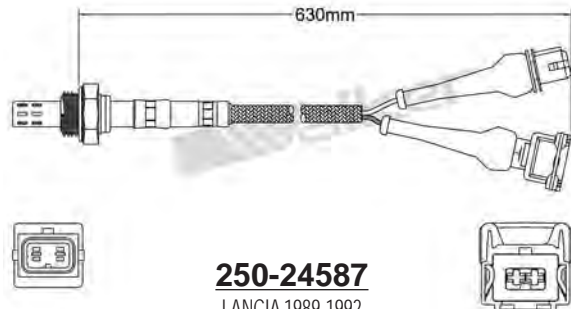
250-24577
AUDI 2002-up / VOLKSWAGEN 1999-2005
Heated Lambda Sensor



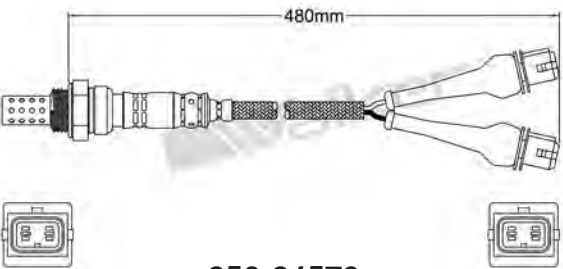
250-24585
OPEL 2001-up / RENAULT 1997-up
Heated Lambda Sensor



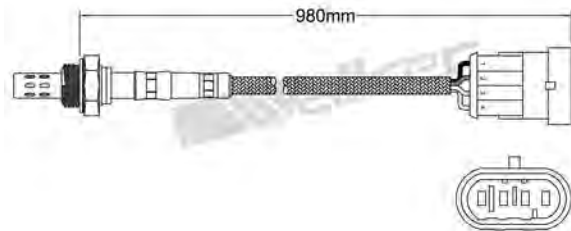
250-24578
HONDA 1999-2002
Heated Lambda Sensor



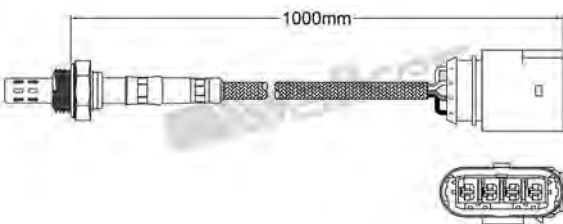
250-24587
LANCIA 1989-1992
Heated Lambda Sensor



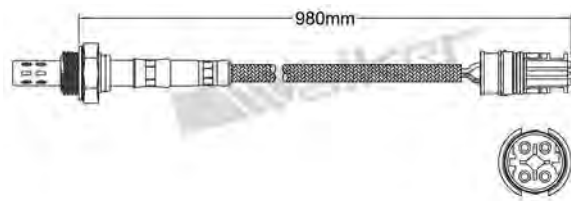
250-24579
CITROEN 1991-1997 / PEUGEOT 1991-1995
Heated Lambda Sensor



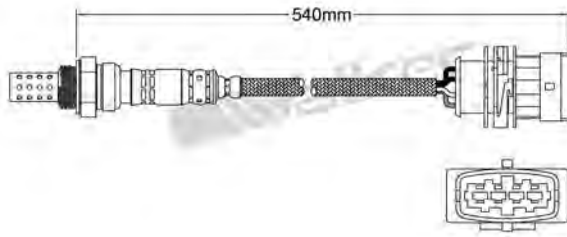
250-24588
FIAT 1998-up / LANCIA 1996-2001
Heated Lambda Sensor



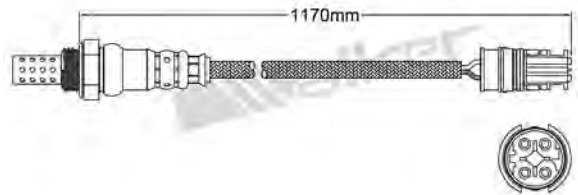
250-24582
VOLKSWAGEN 1997-1999
Heated Lambda Sensor



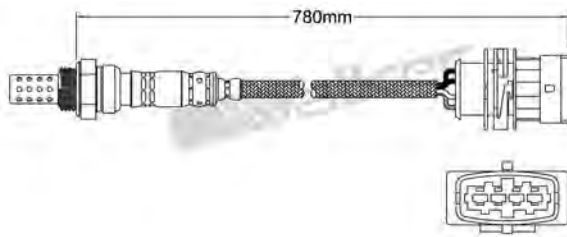
250-24589
BMW 1995-up
Heated Lambda Sensor



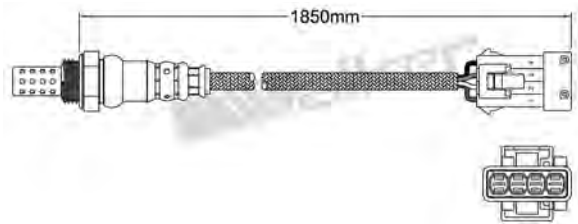
250-24590
OPEL 1998-2009 / VAUXHALL 1999-2005
Heated Lambda Sensor



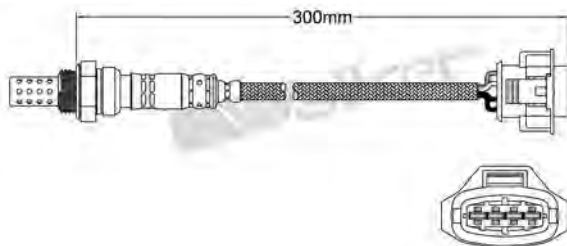
250-24595
MERCEDES 1997-2002
Heated Lambda Sensor



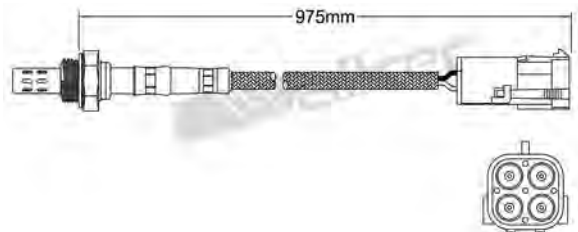
250-24591
OPEL 1998-2005 / VAUXHALL 1999-2003
Heated Lambda Sensor



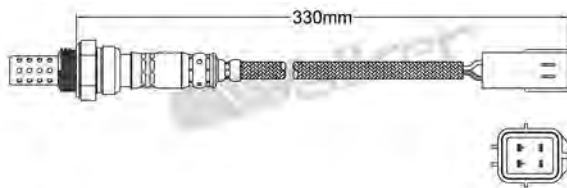
250-24596
CITROEN 2001-2005 / PEUGEOT 2004-2005
Heated Lambda Sensor



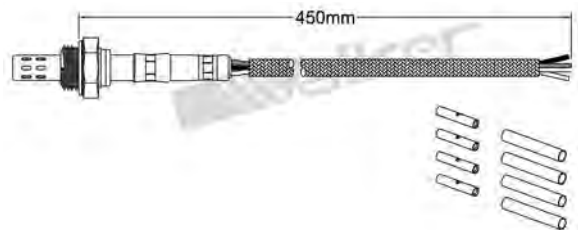
250-24592
OPEL 1998-2009 / VAUXHALL 2000-2005
Heated Lambda Sensor



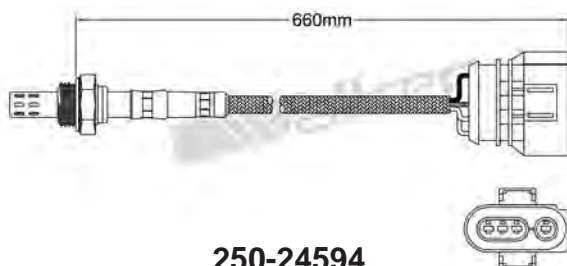
250-24598
FERRARI 1996-up
Heated Lambda Sensor



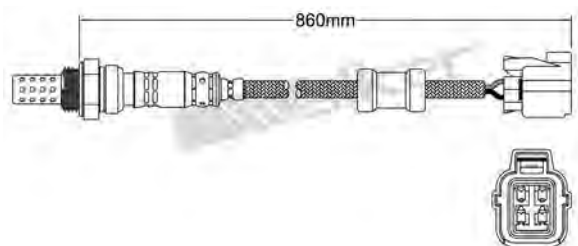
250-24593
HYUNDAI 1996-2002
Heated Lambda Sensor



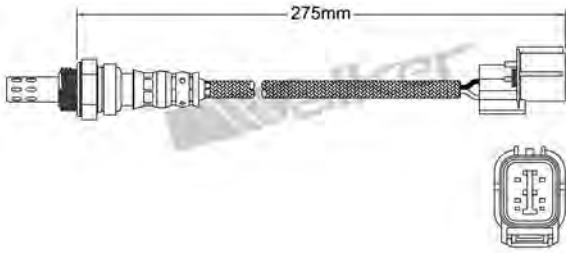
250-24600
LADA 1996-2000
Heated Lambda Sensor



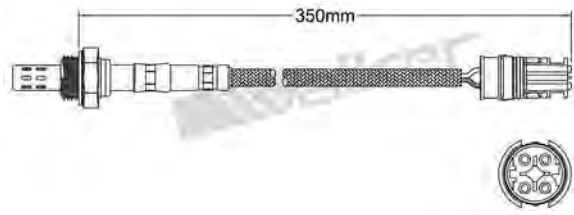
250-24594
SEAT 1998-1999
VOLKSWAGEN 1994-2003
Heated Lambda Sensor



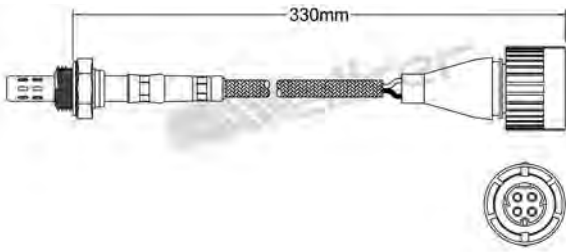
250-24601
HONDA 1998-2002
Heated Lambda Sensor



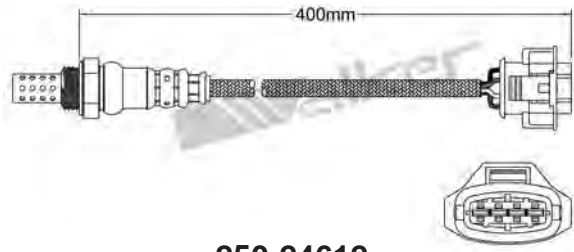
250-24602
HONDA 1997-1998
Heated Lambda Sensor



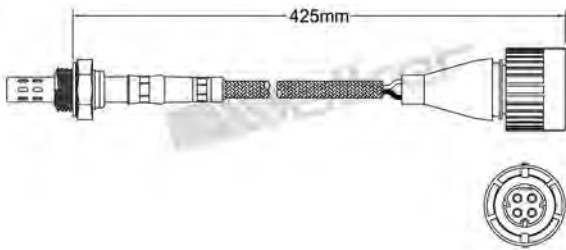
250-24611
BMW 1994-up / LAND ROVER 2002-2009
Heated Lambda Sensor



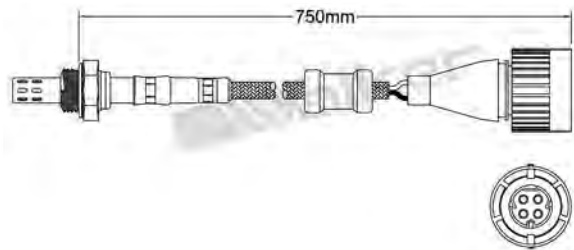
250-24605
BMW 1990-1996
Heated Lambda Sensor



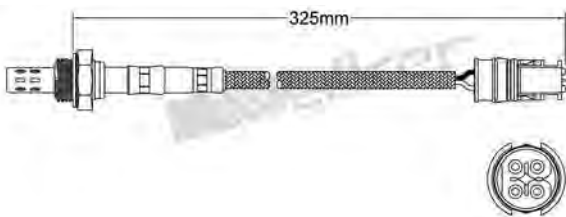
250-24612
OPEL 2000-up / SAAB 2005-up
VAUXHALL 2000-up
Heated Lambda Sensor



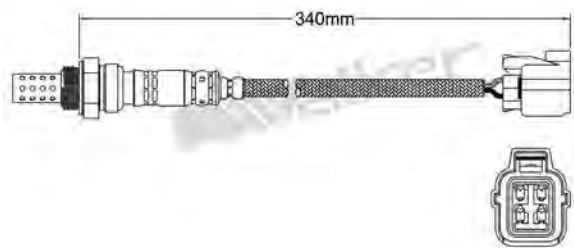
250-24607
BMW 1990-1996
Heated Lambda Sensor



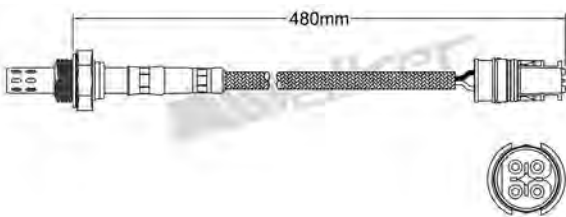
250-24613
BMW 1987-1996
Heated Lambda Sensor



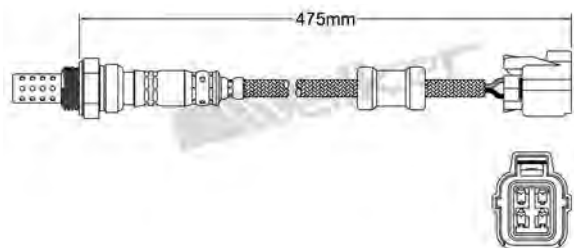
250-24609
MERCEDES 1991-2005
Heated Lambda Sensor



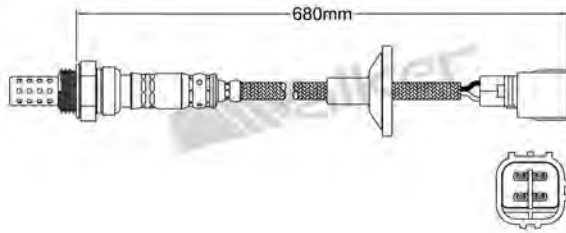
250-24620
HONDA 1996-2000
Heated Lambda Sensor



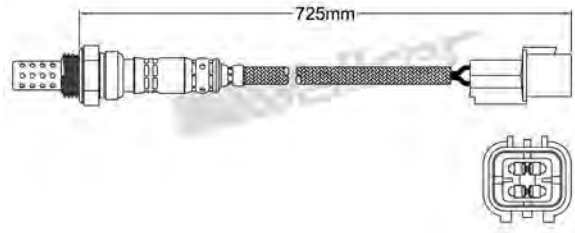
250-24610
MERCEDES 1991-2006
Heated Lambda Sensor



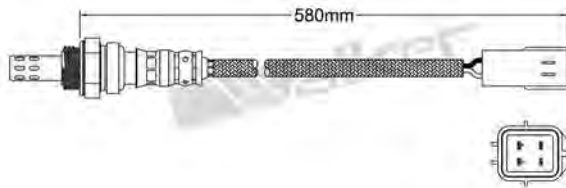
250-24621
HONDA 1990-1998
Heated Lambda Sensor



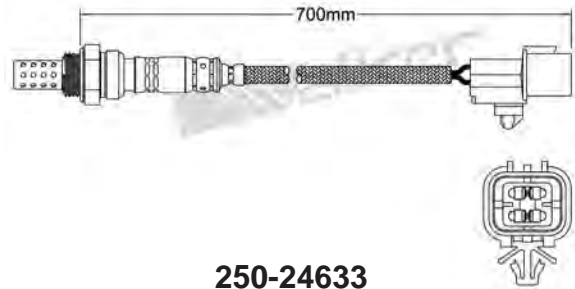
250-24623
LEXUS 2000-2008 / TOYOTA 1999-up
Heated Lambda Sensor



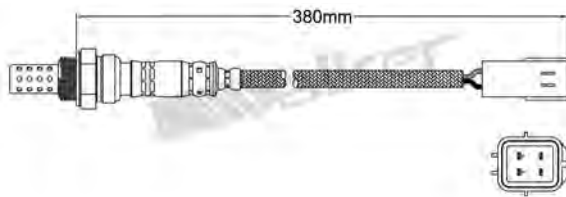
250-24631
MITSUBISHI 2000-up
Heated Lambda Sensor



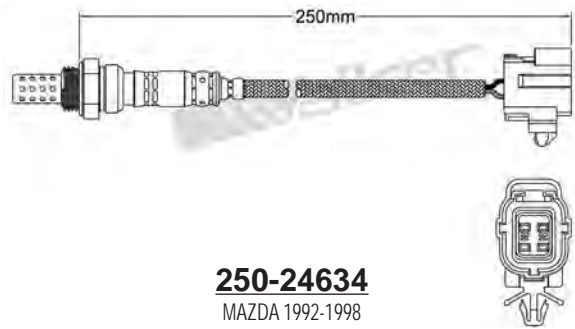
250-24627
FORD USA 1997-1998
Heated Lambda Sensor



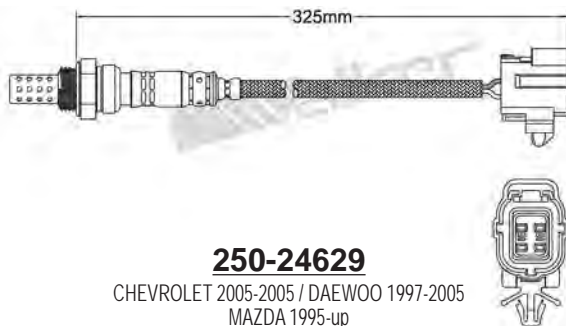
250-24633
MITSUBISHI 1999-2006
Heated Lambda Sensor



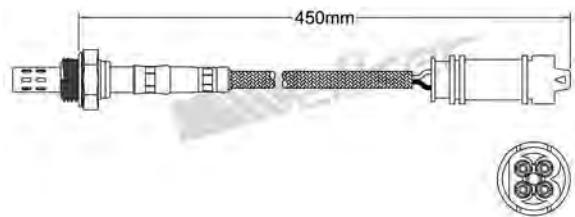
250-24628
MAZDA 2002-up / OPEL 2006-up
Heated Lambda Sensor



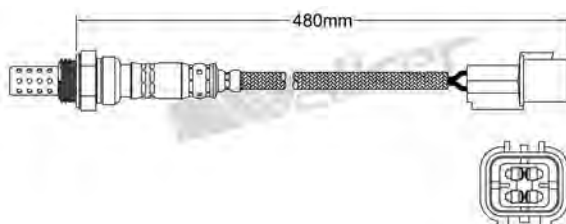
250-24634
MAZDA 1992-1998
Heated Lambda Sensor



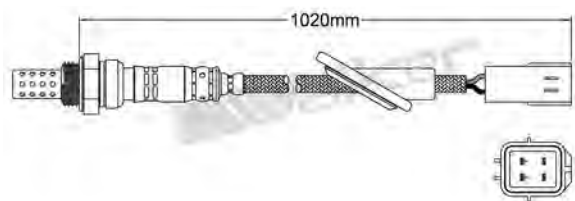
250-24629
CHEVROLET 2005-2005 / DAEWOO 1997-2005
MAZDA 1995-up
Heated Lambda Sensor



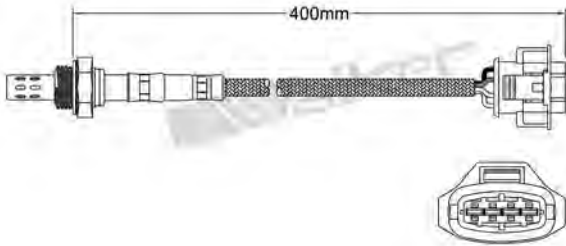
250-24638
BMW 2001-up
Heated Lambda Sensor



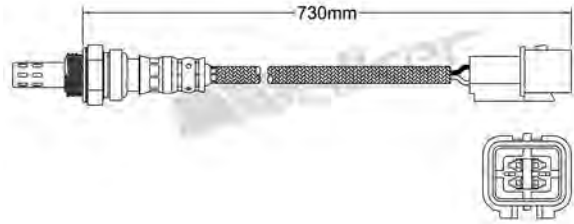
250-24630
MITSUBISHI 1993-2005
Heated Lambda Sensor



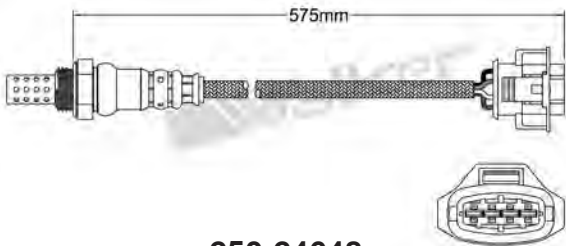
250-24641
MAZDA 2000-2005
Heated Lambda Sensor



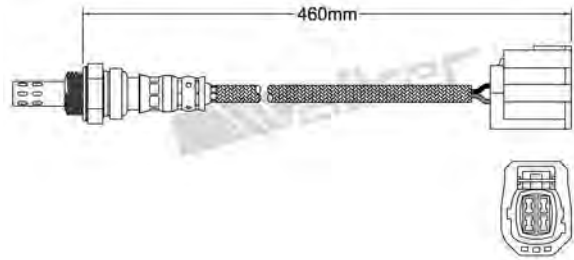
250-24647
PORSCHE 1999-2004
Heated Lambda Sensor



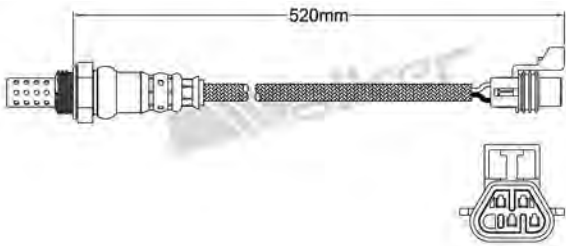
250-24658
HYUNDAI 2002-up / KIA 2003-up
Heated Lambda Sensor



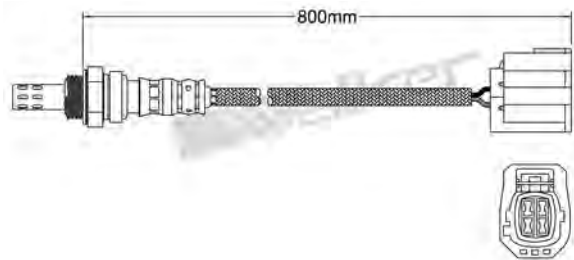
250-24648
OPEL 2000-up / PORSCHE 2003-up
VAUXHALL 2000-up
Heated Lambda Sensor



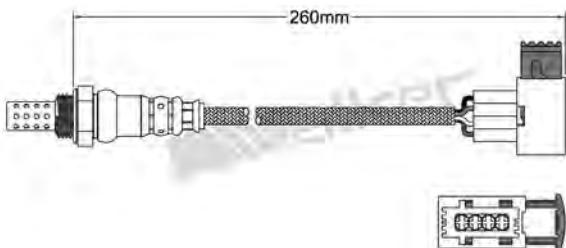
250-24660
MAZDA 2003-up
Heated Lambda Sensor



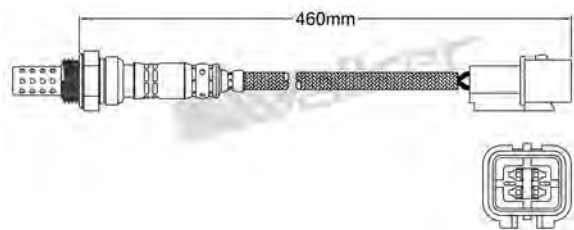
250-24649
CHEVROLET 2010-up / VAUXHALL 2010-up
Heated Lambda Sensor



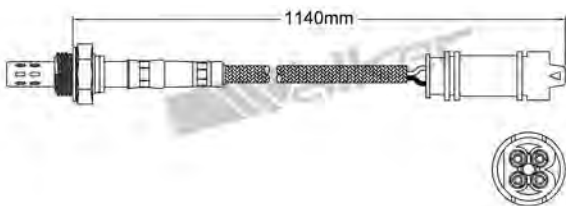
250-24661
MAZDA 2003-2006
Heated Lambda Sensor



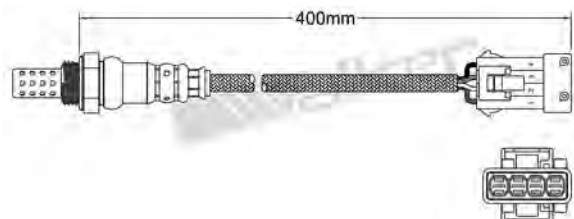
250-24650
PORSCHE 2002-2004
Heated Lambda Sensor



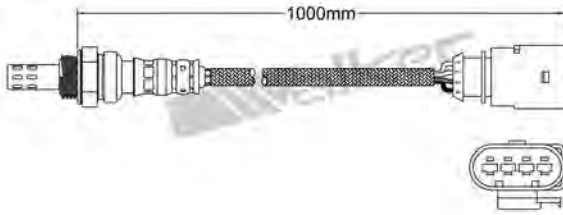
250-24662
MITSUBISHI 2004-up
Heated Lambda Sensor



250-24657
BMW 2003-2006
Heated Lambda Sensor



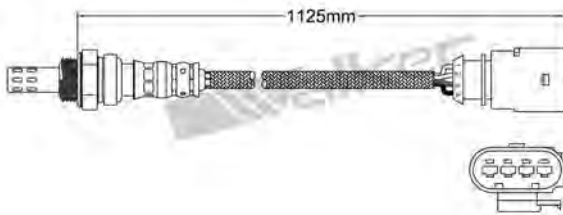
250-24665
CITROEN 1996-up / FIAT 2000-up
LANCIA 2001-up / OPEL 2004-2009
PEUGEOT 1998-up
Heated Lambda Sensor



250-24669
AUDI 2004-up
Heated Lambda Sensor



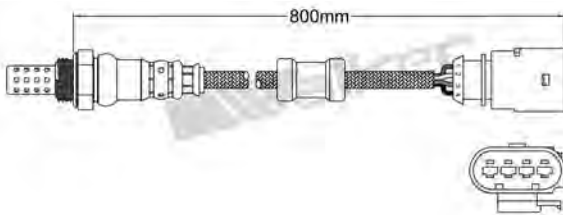
250-24675
CHRYSLER 2004-up / MERCEDES 2004-up
Heated Lambda Sensor



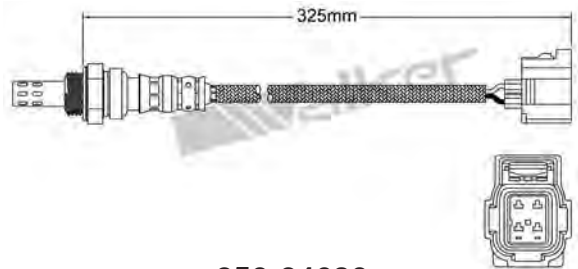
250-24670
AUDI 2004-up
Heated Lambda Sensor



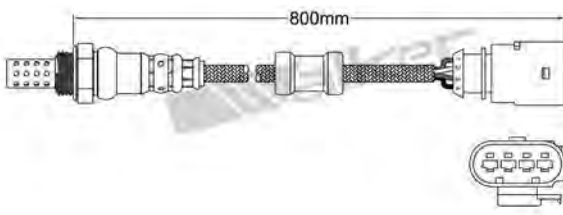
250-24676
MAZDA 2003-up
Heated Lambda Sensor



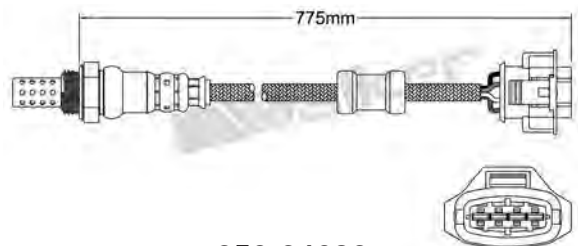
250-24671
AUDI 2004-up / PORSCHE 2006-2010
SEAT 2007-up / SKODA 2007-2009
VOLKSWAGEN 2005-up
Heated Lambda Sensor



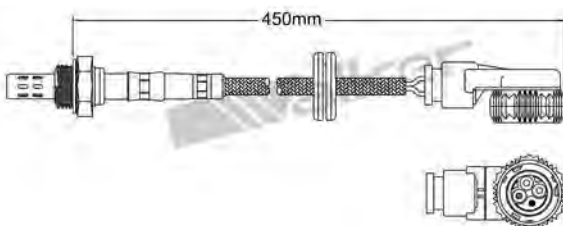
250-24680
CHRYSLER 2004-up / JEEP 2005-up
Heated Lambda Sensor



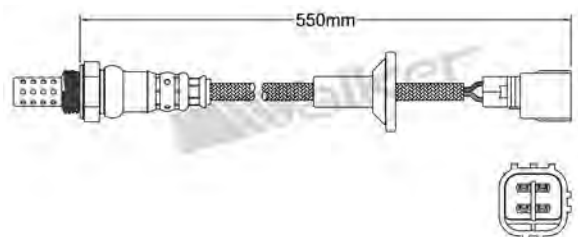
250-24672
AUDI 2004-up / SKODA 2008-up
VOLKSWAGEN 2004-up
Heated Lambda Sensor



250-24682
OPEL 2000-2004 / PORSCHE 2004-2010
VAUXHALL 2000-up
Heated Lambda Sensor



250-24674
MERCEDES 1991-1995
Heated Lambda Sensor



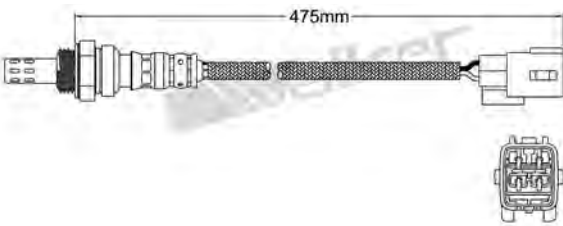
250-24684
LEXUS 2005-2007
Heated Lambda Sensor



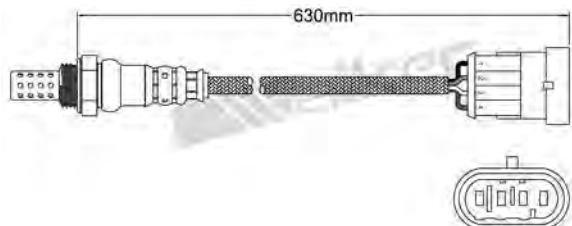
250-24686
MERCEDES 2005-up
Heated Lambda Sensor



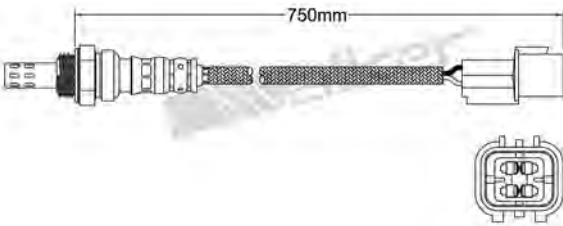
250-24692
AUDI 2006-up / VOLKSWAGEN 2006-2007
Heated Lambda Sensor



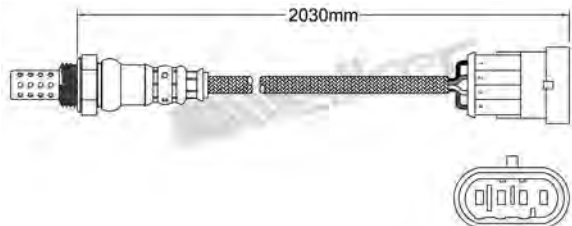
250-24687
HYUNDAI 2005-up / KIA 2006-up
Heated Lambda Sensor



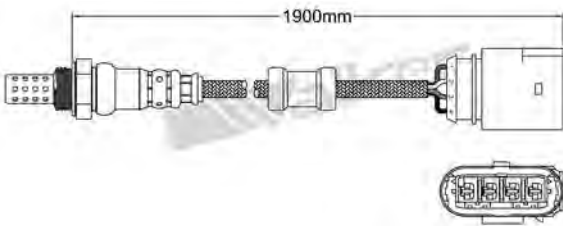
250-24695
ALFA ROMEO 1998-up / FIAT 1998-up
LANCIA 1996-up
Heated Lambda Sensor



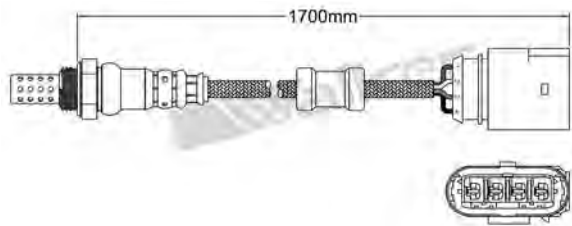
250-24688
HYUNDAI 2005-up / KIA 2006-up
Heated Lambda Sensor



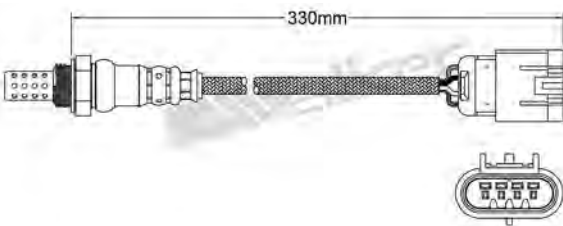
250-24696
ALFA ROMEO 2000-up
Heated Lambda Sensor



250-24689
AUDI 2001-up / SEAT 1999-2004
SKODA 2001-2008 / VOLKSWAGEN 1999-2005
Heated Lambda Sensor



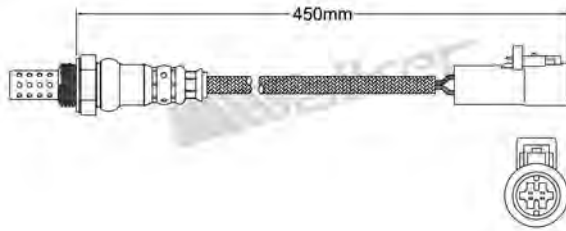
250-24697
AUDI 2004-up / SEAT 1999-2004
SKODA 2001-2004 / VOLKSWAGEN 1999-2007
Heated Lambda Sensor



250-24690
HYUNDAI 2005-up
Heated Lambda Sensor

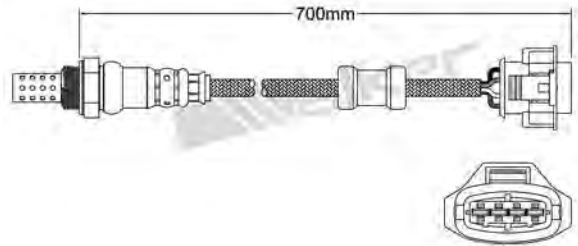


250-24699
AUDI 2003-up / PORSCHE 2006-2010
SEAT 2005-up / SKODA 2002-2008
VOLKSWAGEN 2003-up
Heated Lambda Sensor



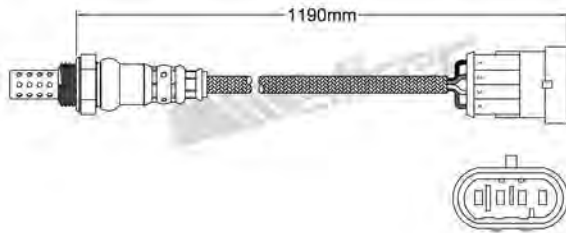
250-24701

FORD 1998-up / FORD USA 1998-2000
VOLVO 2006-up
Heated Lambda Sensor



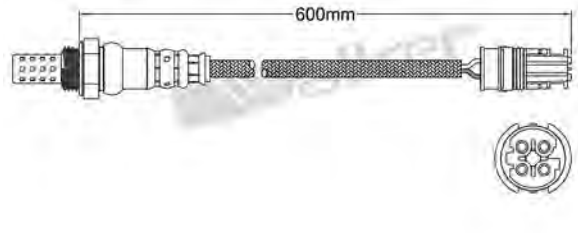
250-24712

PORSCHE 2004-up
Heated Lambda Sensor



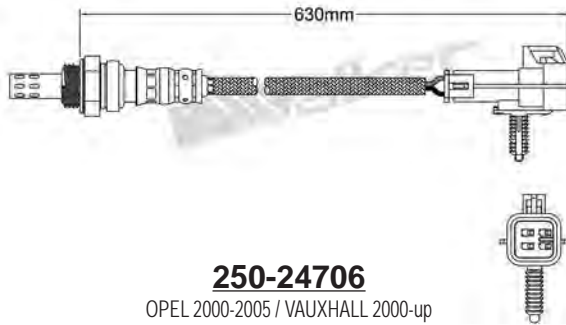
250-24705

ALFA ROMEO 1996-up / FIAT 2001-2005
LANCIA 1994-2001
Heated Lambda Sensor



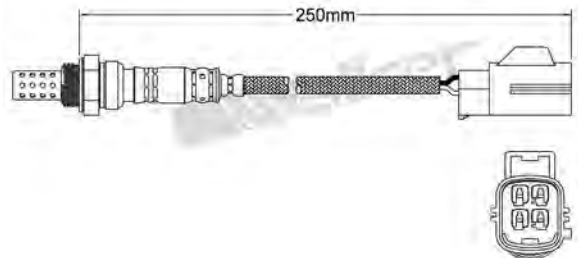
250-24713

BMW 2004-up
Heated Lambda Sensor



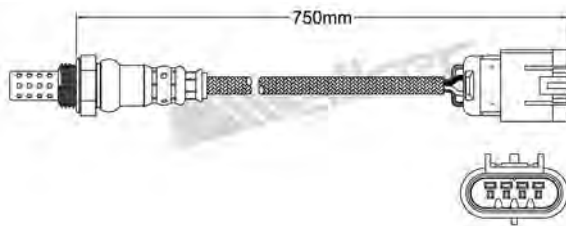
250-24706

OPEL 2000-2005 / VAUXHALL 2000-up
Heated Lambda Sensor



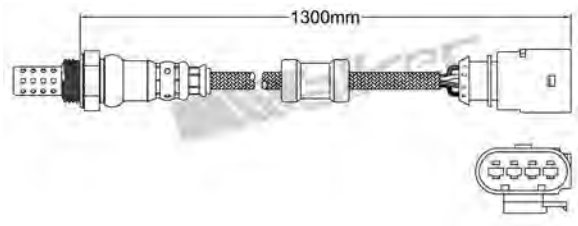
250-24714

LAND ROVER 2004-up
Heated Lambda Sensor



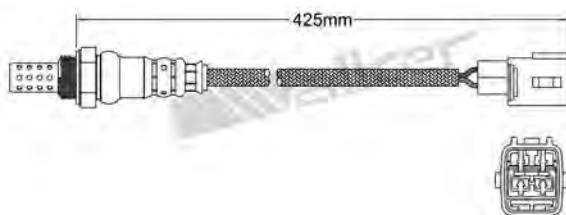
250-24707

HYUNDAI 2005-up
Heated Lambda Sensor



250-24717

AUDI 2003-up / SEAT 2004-up
SKODA 2004-2008 / VOLKSWAGEN 2003-up
Heated Lambda Sensor



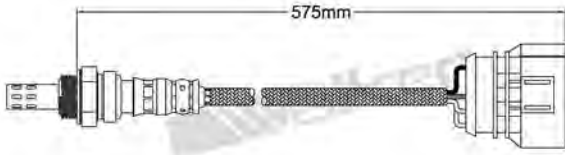
250-24710

CITROEN 2005-up / PEUGEOT 2005-up
TOYOTA 2002-up
Heated Lambda Sensor



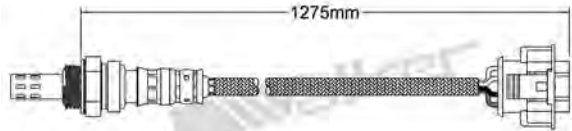
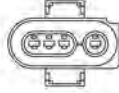
250-24718

MAZDA 2006-up
Heated Lambda Sensor



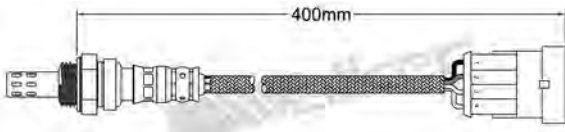
250-24719

AUDI 1995-2005
SEAT 1993-2002 / VOLKSWAGEN 1990-up
Heated Lambda Sensor



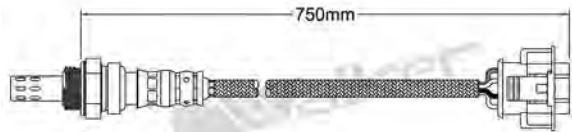
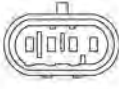
250-24731

OPEL 2000-2005 / VAUXHALL 2000-up
Heated Lambda Sensor



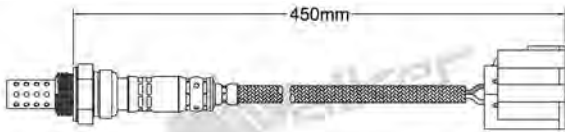
250-24721

FIAT 1997-2003
Heated Lambda Sensor



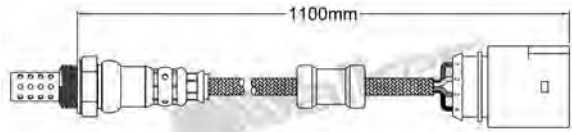
250-24733

OPEL 1999-up / SAAB 2004-up
VAUXHALL 1999-up
Heated Lambda Sensor



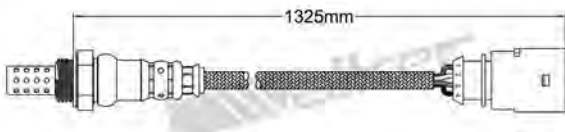
250-24725

MAZDA 2005-up
Heated Lambda Sensor



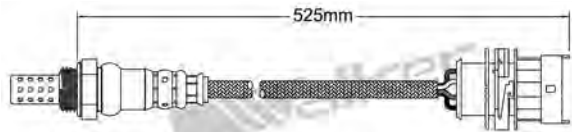
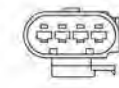
250-24734

ALFA ROMEO 1998-2000 / AUDI 1998-2006
SEAT 1999-up / SKODA 1999-2010
VOLKSWAGEN 1998-up
Heated Lambda Sensor



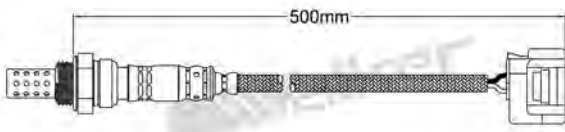
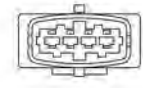
250-24726

AUDI 2006-up / VOLKSWAGEN 2006-2010
Heated Lambda Sensor



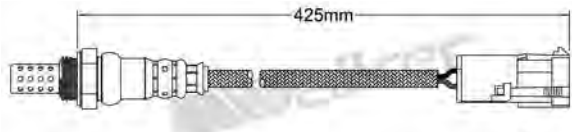
250-24735

FIAT 2004-up / OPEL 2003-up
VAUXHALL 2003-up
Heated Lambda Sensor



250-24730

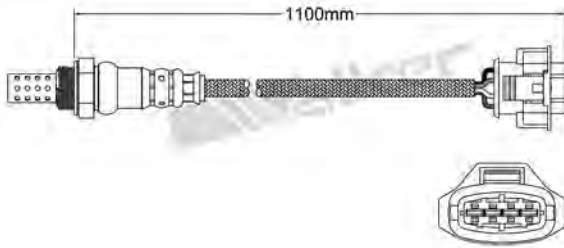
JAGUAR 1999-up
Heated Lambda Sensor



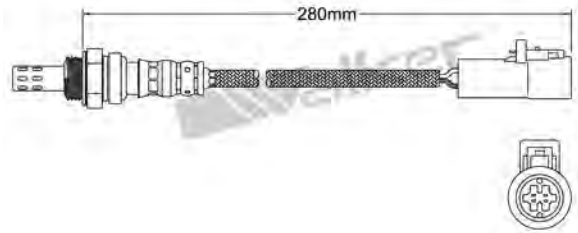
250-24737

LADA 1988-up
Heated Lambda Sensor

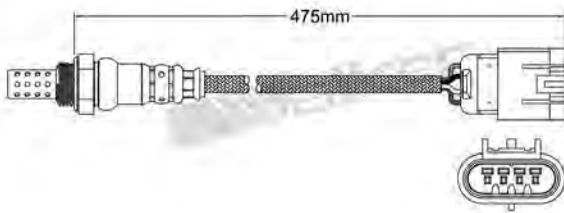




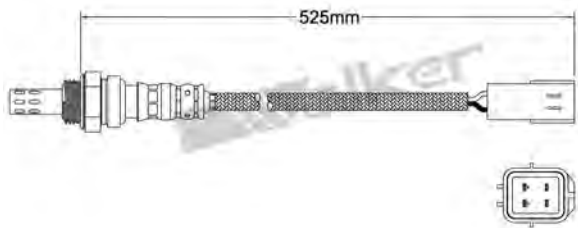
250-24738
OPEL 2000-up / VAUXHALL 2001-up
Heated Lambda Sensor



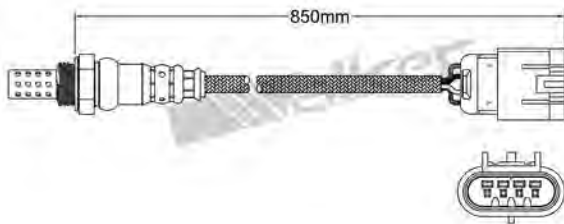
250-24749
JAGUAR 1999-up / MAZDA 2000-up
Heated Lambda Sensor



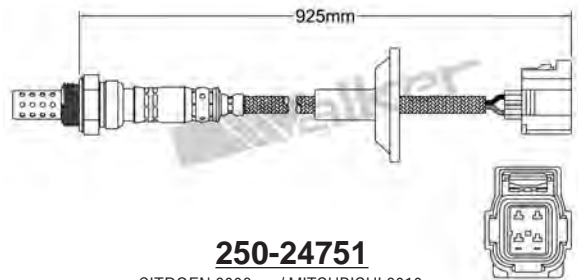
250-24739
KIA 2006-up
Heated Lambda Sensor



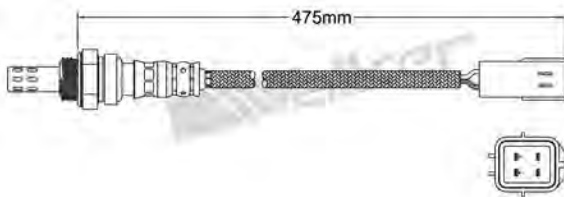
250-24750
KIA 2000-2004
Heated Lambda Sensor



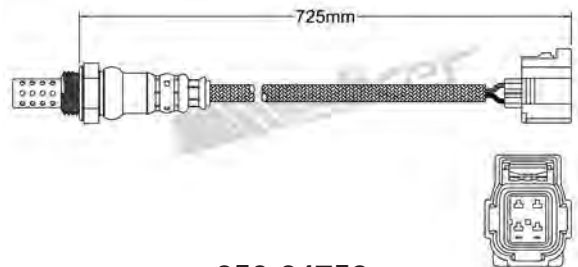
250-24740
KIA 2006-up
Heated Lambda Sensor



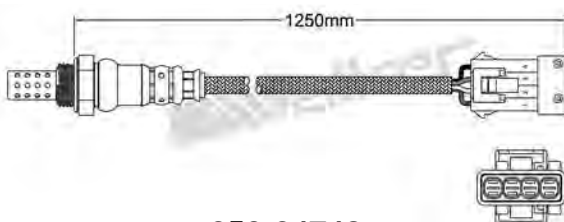
250-24751
CITROEN 2008-up / MITSUBISHI 2010-up
PEUGEOT 2008-up
Heated Lambda Sensor



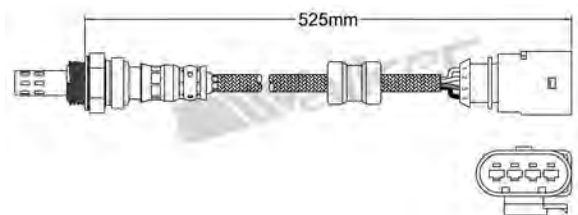
250-24741
NISSAN 2005-up / RENAULT 2008-up
Heated Lambda Sensor



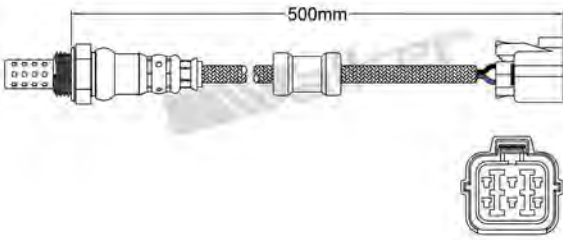
250-24752
MERCEDES 2006-up
Heated Lambda Sensor



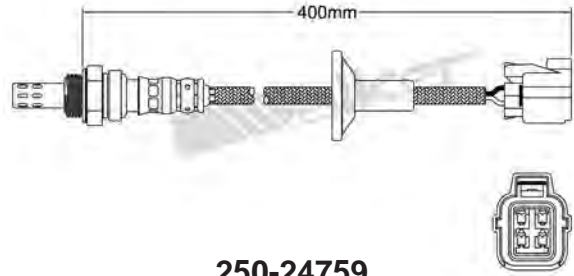
250-24748
CITROEN 1996-up / FERRARI 1999-up
FIAT 1998-2006 / LANCIA 1998-up
PEUGEOT 1998-up / VOLVO 2002-2004
Heated Lambda Sensor



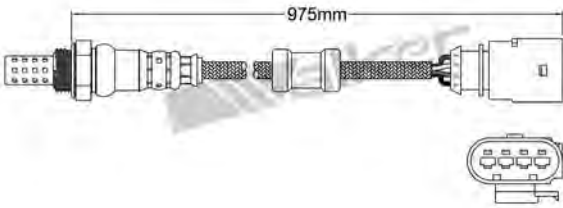
250-24753
AUDI 2003-up / SEAT 2004-up
SKODA 2004-up / VOLKSWAGEN 2003-up
Heated Lambda Sensor



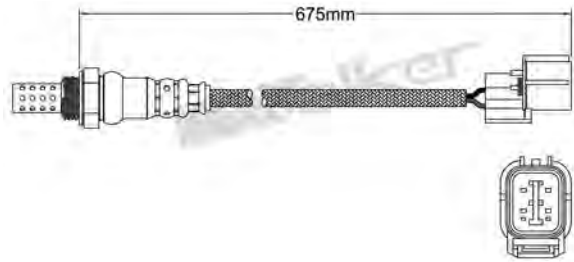
250-24754
HONDA 2005-2007
Heated Lambda Sensor



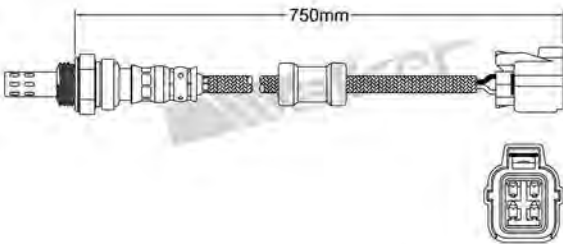
250-24759
HONDA 2002
Heated Lambda Sensor



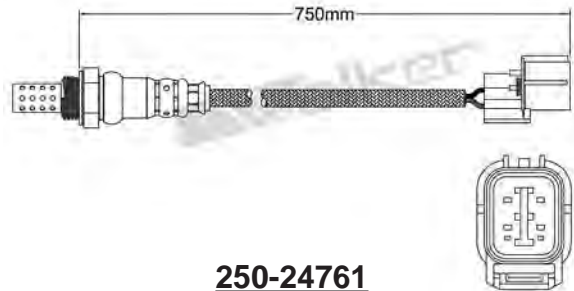
250-24755
AUDI 2006-up / SEAT 2007-up
SKODA 2007-up
Heated Lambda Sensor



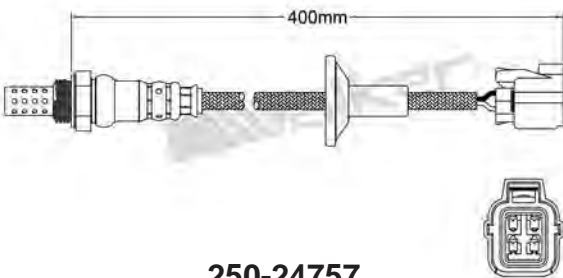
250-24760
HONDA 2002-up
Heated Lambda Sensor



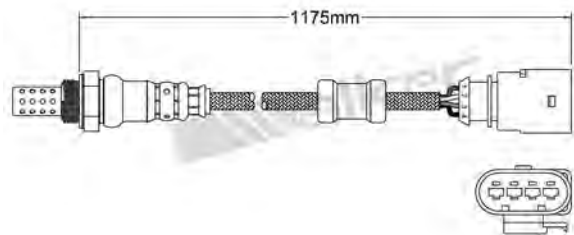
250-24756
HONDA 2001-up
Heated Lambda Sensor



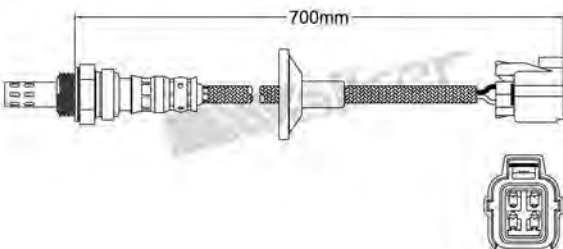
250-24761
HONDA 2002
Heated Lambda Sensor



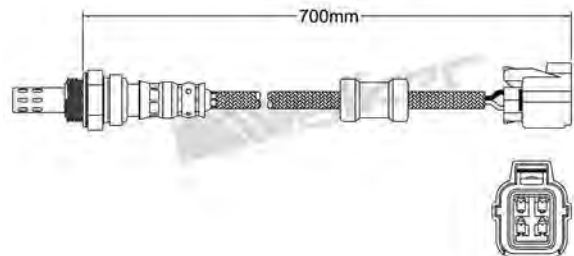
250-24757
HONDA 2002-up
Heated Lambda Sensor



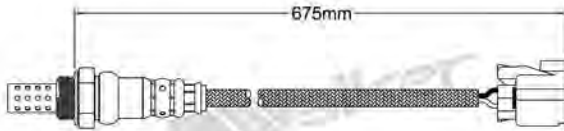
250-24762
AUDI 2006-up
Heated Lambda Sensor



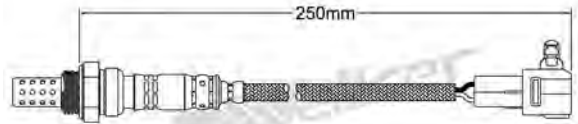
250-24758
HONDA 1998-2002
Heated Lambda Sensor



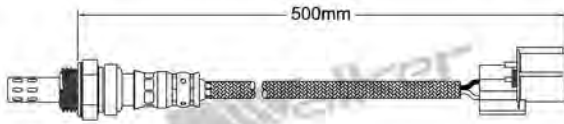
250-24763
HONDA 2004
Heated Lambda Sensor



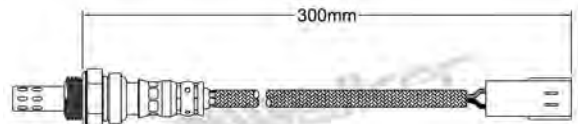
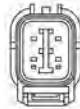
250-24764
HONDA 2004-2009
Heated Lambda Sensor



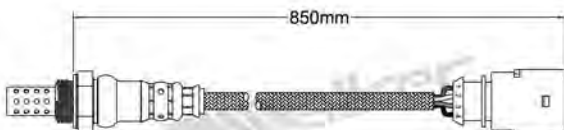
250-24770
SUZUKI 2010-up
Heated Lambda Sensor



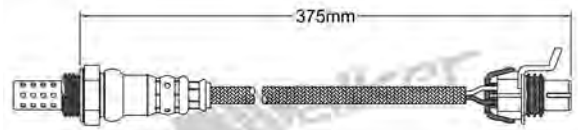
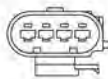
250-24766
HONDA 1998-2002
Heated Lambda Sensor



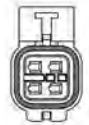
250-24771
NISSAN 2005-up
Heated Lambda Sensor



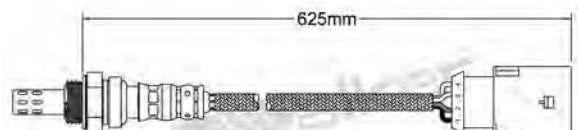
250-24767
AUDI 2006-up
Heated Lambda Sensor



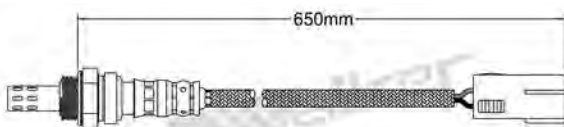
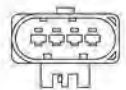
250-24773
OPEL 2008-up / VAUXHALL 2008-up
Heated Lambda Sensor



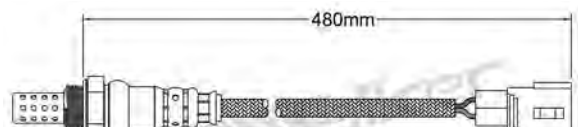
250-24768
KIA 2004-up
Heated Lambda Sensor



250-24775
MINI 2001-2006
Heated Lambda Sensor

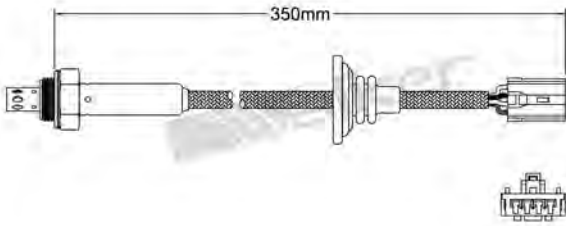


250-24769
MAZDA 2005-up
Heated Lambda Sensor

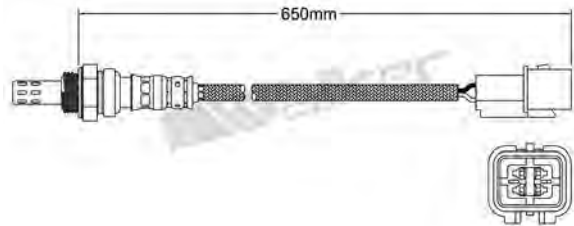


250-24777
TOYOTA 2002-up
Heated Lambda Sensor

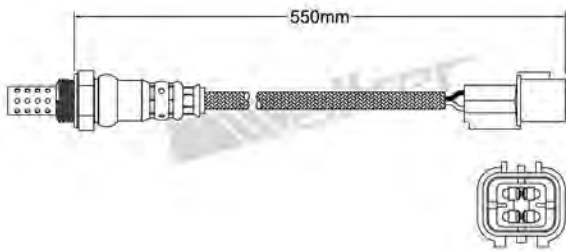




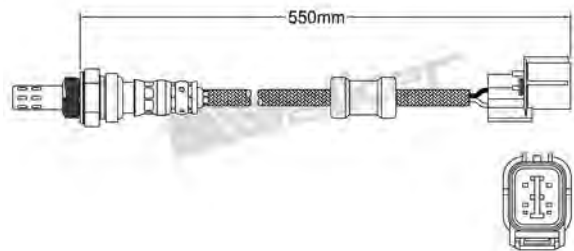
250-24778
VOLVO 1995-2004
Heated Lambda Sensor



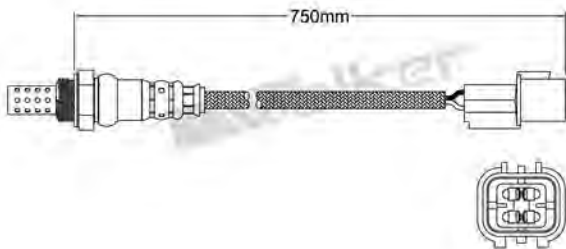
250-24783
HYUNDAI 2003-up / KIA 2004-up
Heated Lambda Sensor



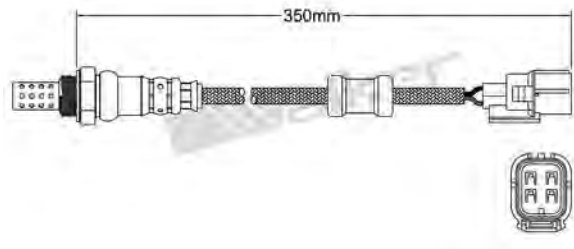
250-24779
HYUNDAI 2000-up / KIA 2004-up
Heated Lambda Sensor



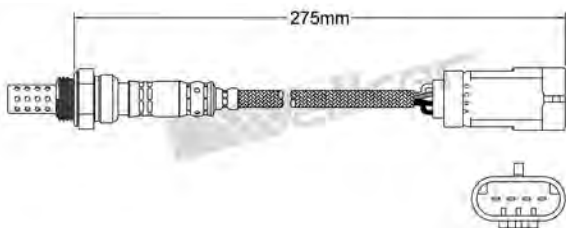
250-24784
HONDA 1999-2004
Heated Lambda Sensor



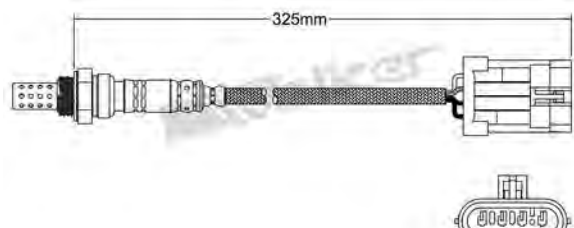
250-24780
HYUNDAI 2000-up / KIA 2004-up
Heated Lambda Sensor



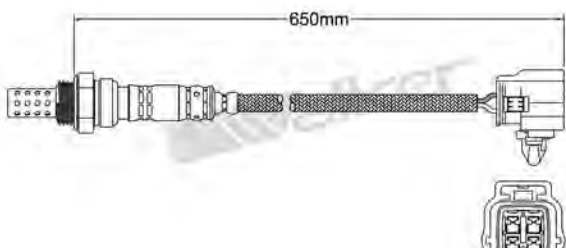
250-24786
HONDA 2005-up
Heated Lambda Sensor



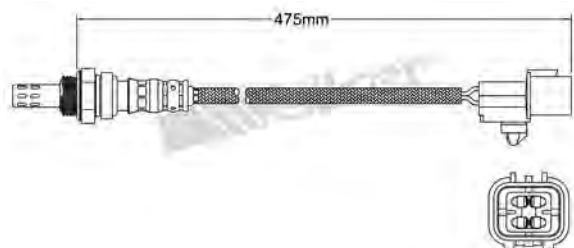
250-24781
DACIA 2004-up / RENAULT 1998-up
Heated Lambda Sensor



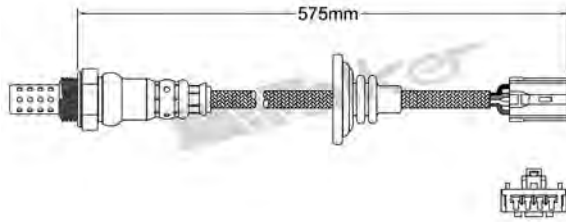
250-24788
OPEL 1998-2001
Heated Lambda Sensor



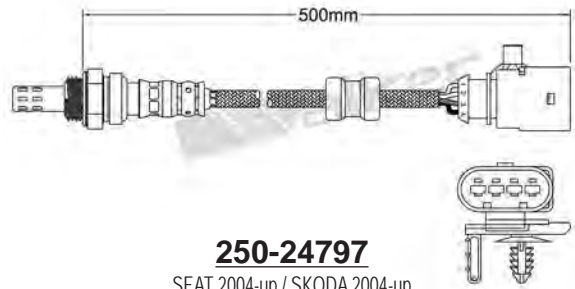
250-24782
MAZDA 2009-up
Heated Lambda Sensor



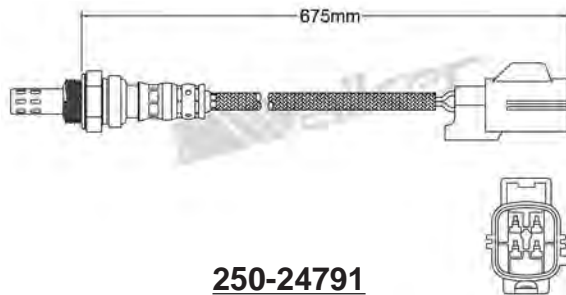
250-24789
CHEVROLET 2005-up
Heated Lambda Sensor



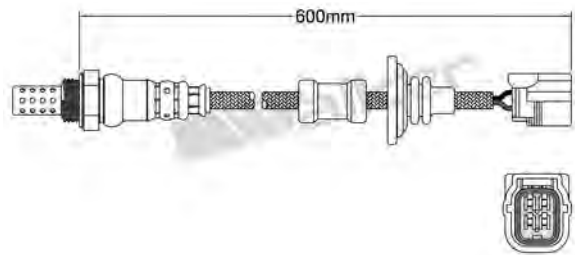
250-24790
VOLVO 2000-2004
Heated Lambda Sensor



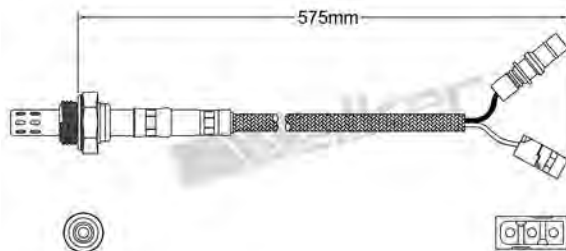
250-24797
SEAT 2004-up / SKODA 2004-up
VOLKSWAGEN 2001-2007
Heated Lambda Sensor



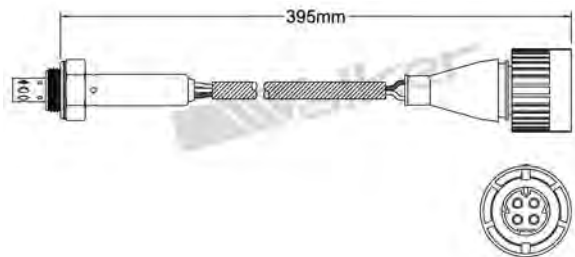
250-24791
MAZDA 2005-up
Heated Lambda Sensor



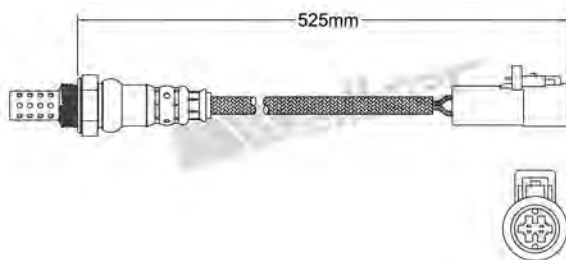
250-24798
HONDA 2006-up
Heated Lambda Sensor



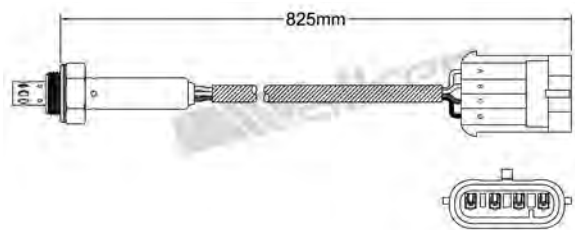
250-24792
MERCEDES 1992-1998
Heated Lambda Sensor



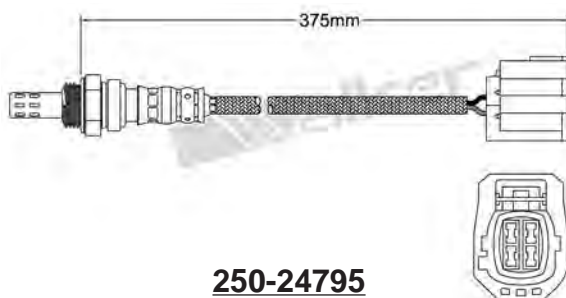
250-24801
BMW 1992-1995
Heated Lambda Sensor



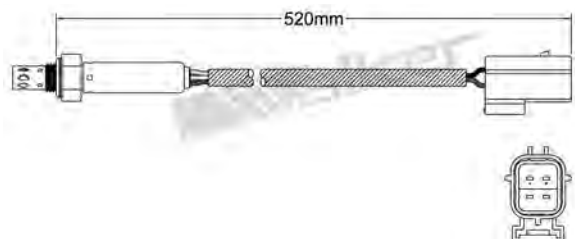
250-24793
FORD 2003-up / VOLVO 2006-up
Heated Lambda Sensor



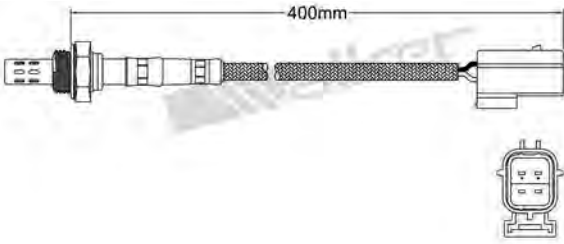
250-24803
OPEL 1993-2002 / VAUXHALL 1990-2005
Heated Lambda Sensor



250-24795
MAZDA 2006-up
Heated Lambda Sensor

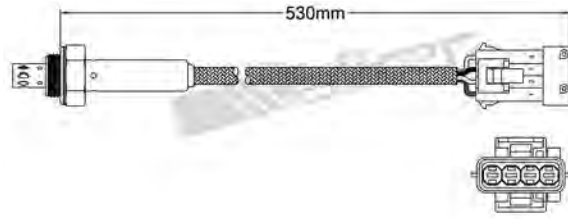


250-24804
LAND ROVER 1994-2002
Heated Lambda Sensor



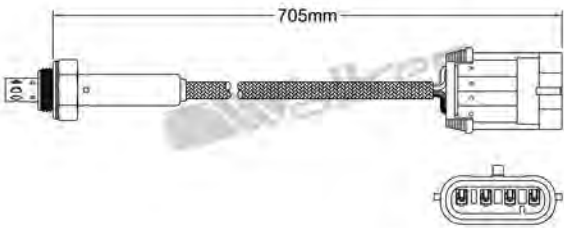
250-24805

MINI 1991-1999 / ROVER 1989-2000
Heated Lambda Sensor



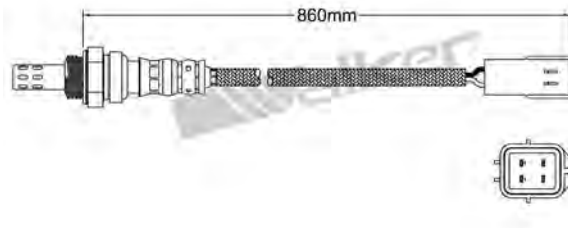
250-24814

VOLVO 1997-1999
Heated Lambda Sensor



250-24806

OPEL 1993-2005 / VAUXHALL 1995-2005
Heated Lambda Sensor



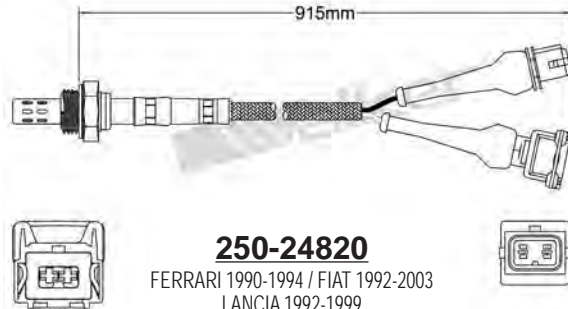
250-24818

FIAT 1995-up / LANCIA 1995-1999
Heated Lambda Sensor



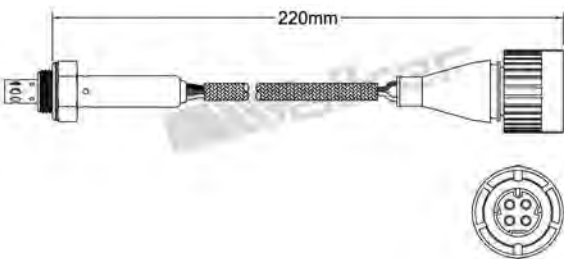
250-24807

OPEL 1994-1999 / VAUXHALL 1994-1999
Heated Lambda Sensor



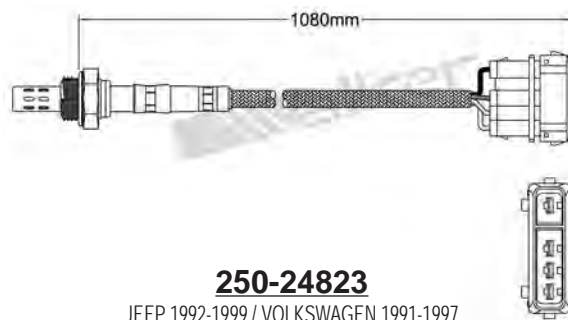
250-24820

FERRARI 1990-1994 / FIAT 1992-2003
LANCIA 1992-1999
Heated Lambda Sensor



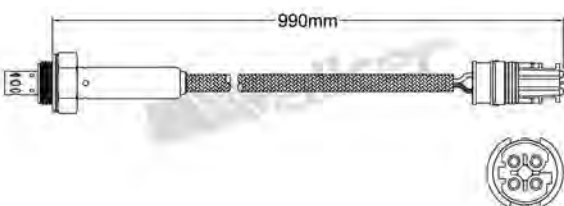
250-24809

BMW 1992-1995
Heated Lambda Sensor



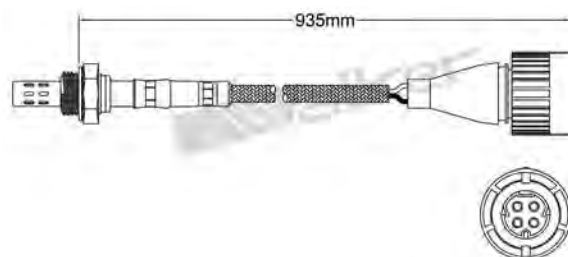
250-24823

JEEP 1992-1999 / VOLKSWAGEN 1991-1997
Heated Lambda Sensor



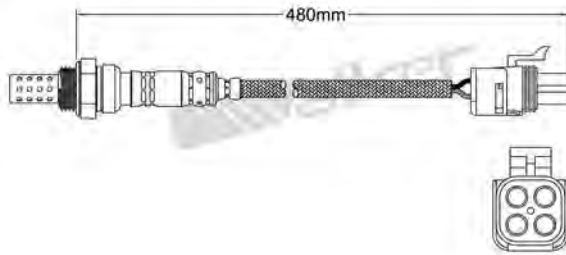
250-24810

BMW 1995-2000
Heated Lambda Sensor

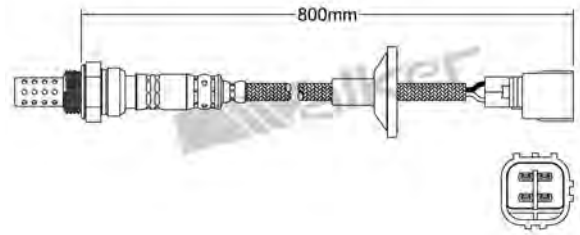


250-24824

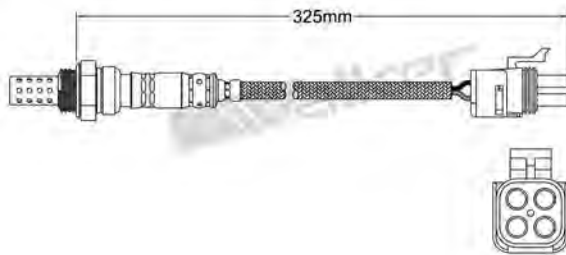
BMW 1991-1994
Heated Lambda Sensor



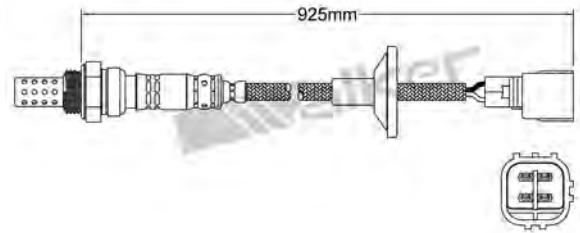
250-24829
RENAULT 1995-2000
Heated Lambda Sensor



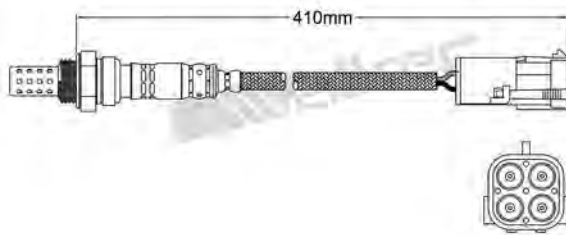
250-24839
LEXUS 1994-2004 / TOYOTA 1999-2001
Heated Lambda Sensor



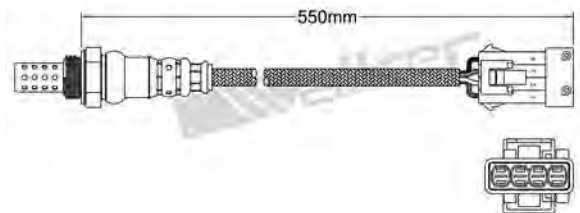
250-24830
RENAULT 1995-up
Heated Lambda Sensor



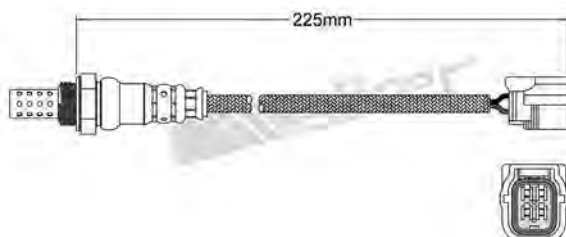
250-24840
LEXUS 1997-2005
Heated Lambda Sensor



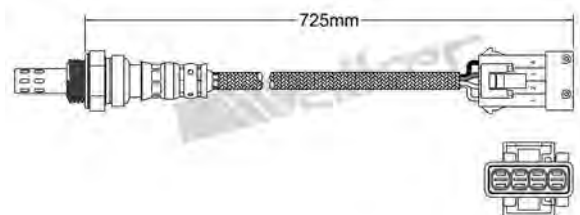
250-24832
LADA 1996-up
Heated Lambda Sensor



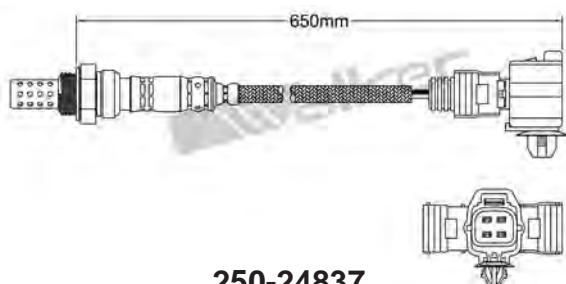
250-24841
CITROEN 1996-up / FIAT 2002-2006
LANCIA 2002-2005 / PEUGEOT 1996-up
RENAULT 2000-up / SAAB 2004-up
Heated Lambda Sensor



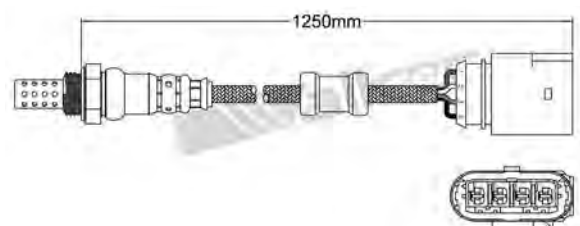
250-24833
HONDA 2008-up
Heated Lambda Sensor



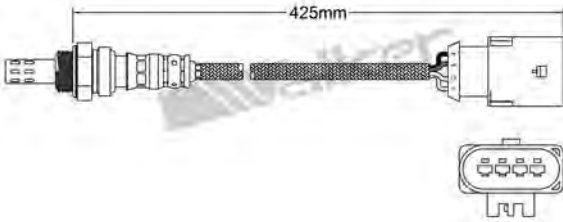
250-24842
SAAB 2002-2003
Heated Lambda Sensor



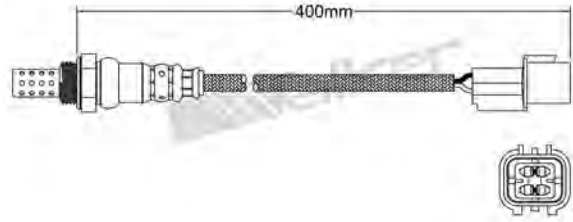
250-24837
LEXUS 2003-2008
Heated Lambda Sensor



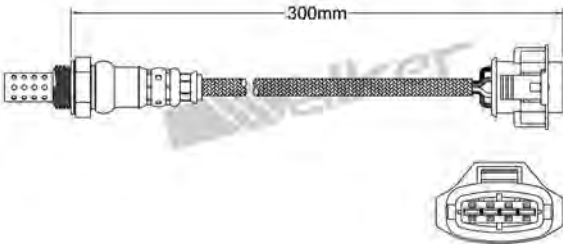
250-24843
AUDI 1997-2003 / SEAT 1999-2005
SKODA 1997-2005 / VOLKSWAGEN 1997-up
Heated Lambda Sensor



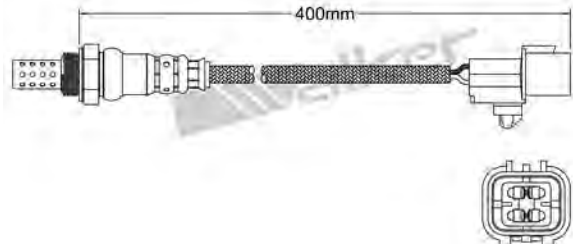
250-24844
LAND ROVER 2000-2006
Heated Lambda Sensor



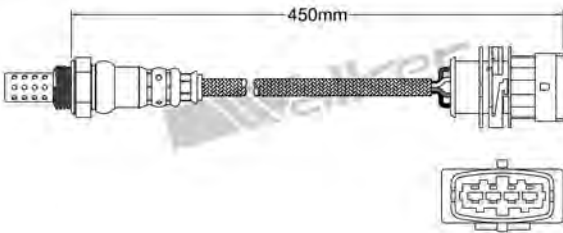
250-24849
HYUNDAI 2002-up
Heated Lambda Sensor



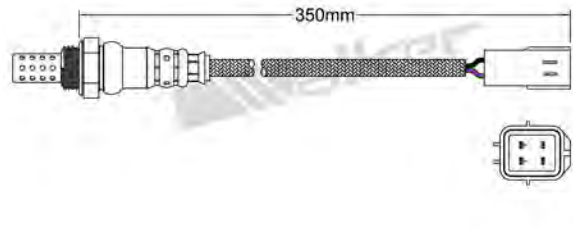
250-24845
OPEL 2005-up / VAUXHALL 2005-2012
Heated Lambda Sensor



250-24850
CHEVROLET 2008-up
Heated Lambda Sensor



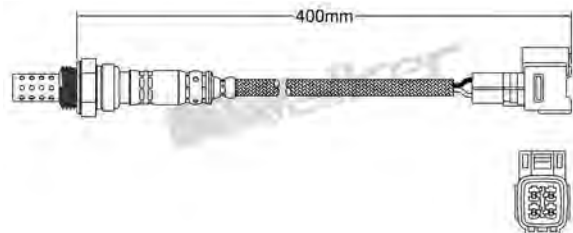
250-24846
OPEL 2006-up / VAUXHALL 2006-up
Heated Lambda Sensor



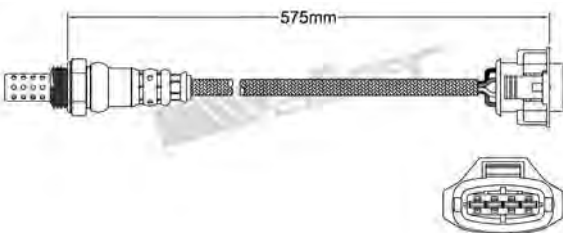
250-24851
CHEVROLET 2005-up
Heated Lambda Sensor



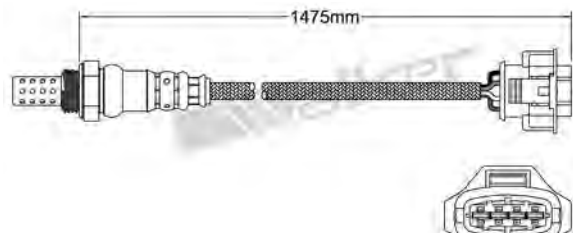
250-24847
OPEL 2006-up
Heated Lambda Sensor



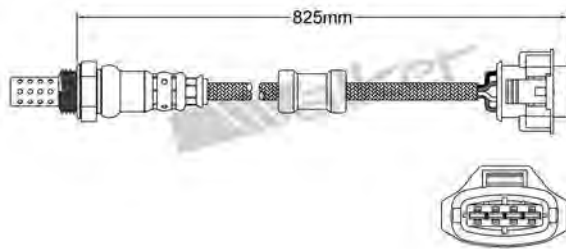
250-24852
SUZUKI 2001-up
Heated Lambda Sensor



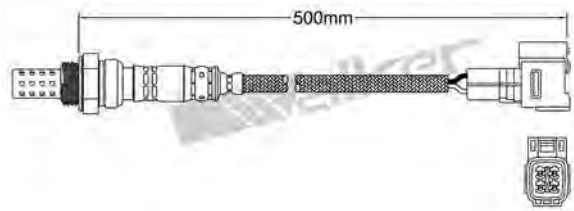
250-24848
FIAT 2005-2006
Heated Lambda Sensor



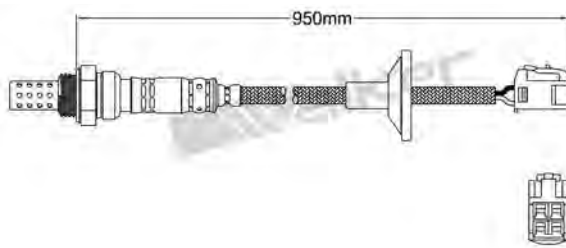
250-24853
OPEL 2003-up / VAUXHALL 2003-up
Heated Lambda Sensor



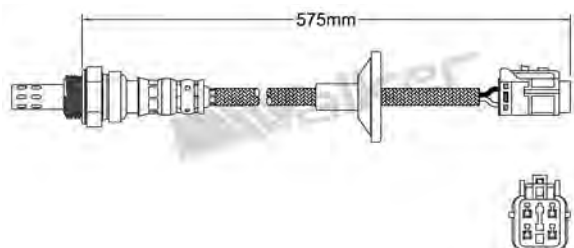
250-24854
PORSCHE 2009-up
Heated Lambda Sensor



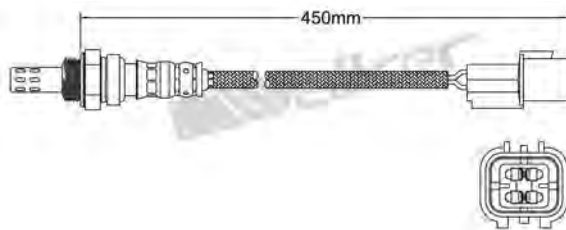
250-24862
SUBARU 2003-up / SUZUKI 2000-up
Heated Lambda Sensor



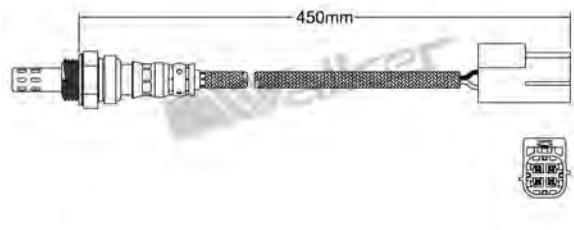
250-24855
TOYOTA 2001-up
Heated Lambda Sensor



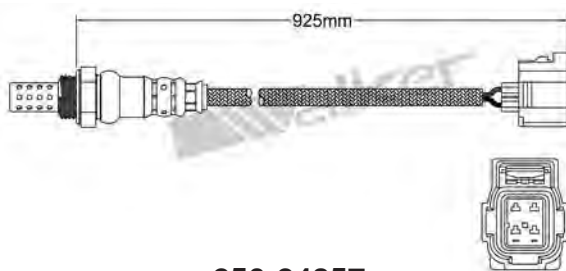
250-24864
HYUNDAI 2010-up / KIA 2008-up
Heated Lambda Sensor



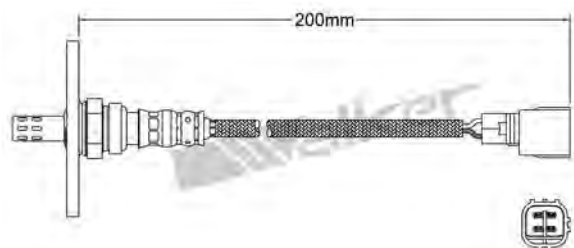
250-24856
HONDA 2008-up
Heated Lambda Sensor



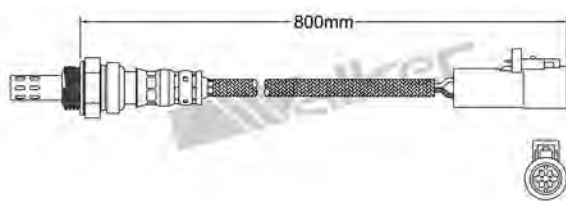
250-24865
NISSAN 2000-up
Heated Lambda Sensor



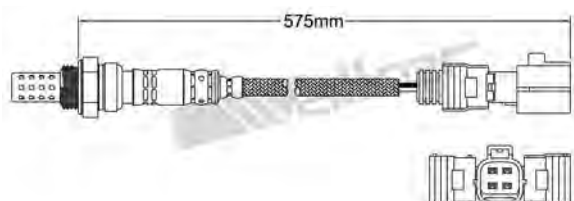
250-24857
MERCEDES 2008-up
Heated Lambda Sensor



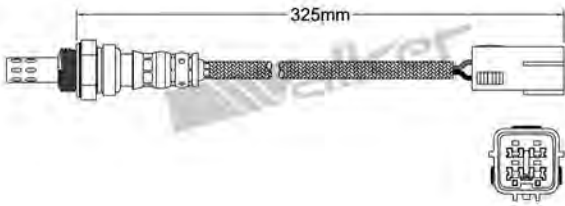
250-24866
TOYOTA 1995-1999
Heated Lambda Sensor



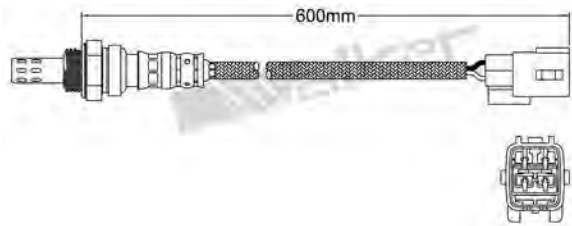
250-24858
FORD 1999-up
Heated Lambda Sensor



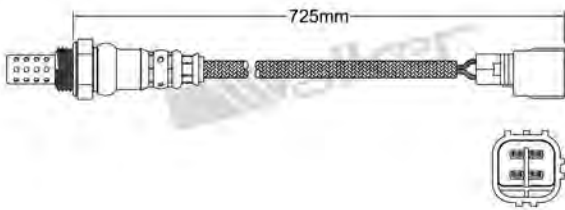
250-24870
LEXUS 2008-up / TOYOTA 2009-up
Heated Lambda Sensor



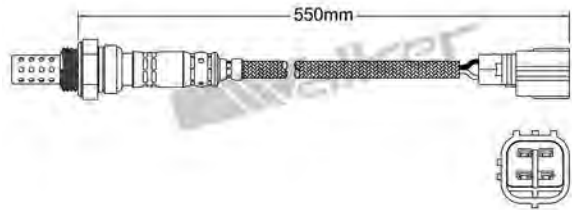
250-24872
MAZDA 2009-up
Heated Lambda Sensor



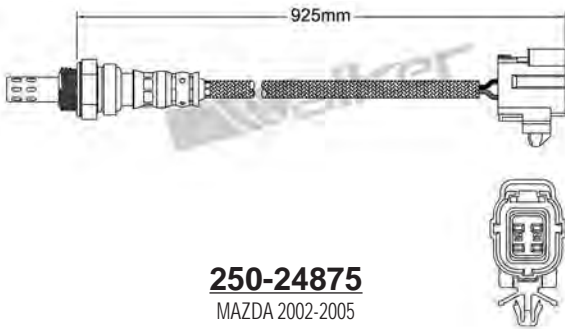
250-24878
HYUNDAI 2010-up / KIA 2009-up
Heated Lambda Sensor



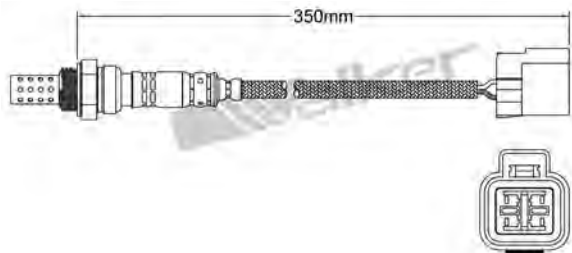
250-24874
TOYOTA 2001-up
Heated Lambda Sensor



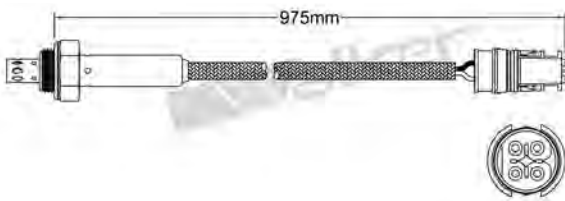
250-24884
SUBARU 2000-2003
Heated Lambda Sensor



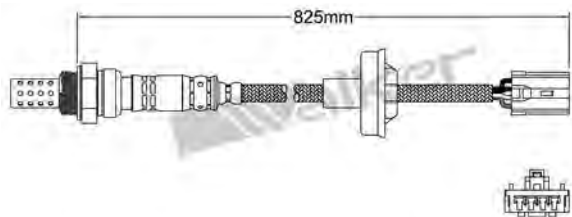
250-24875
MAZDA 2002-2005
Heated Lambda Sensor



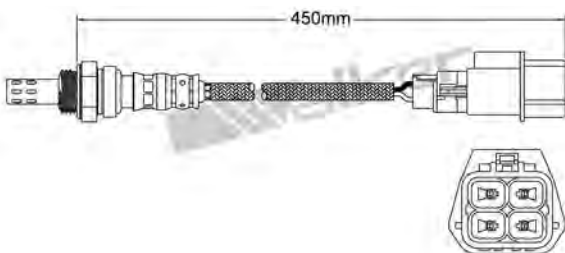
250-24885
MITSUBISHI 2000-2004
Heated Lambda Sensor



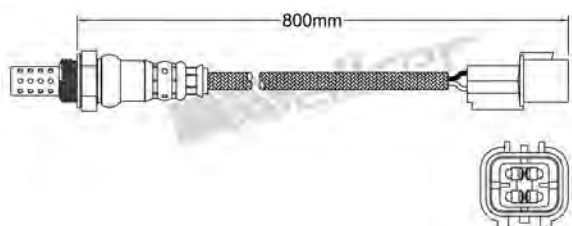
250-24876
BMW 1994-1995
Heated Lambda Sensor



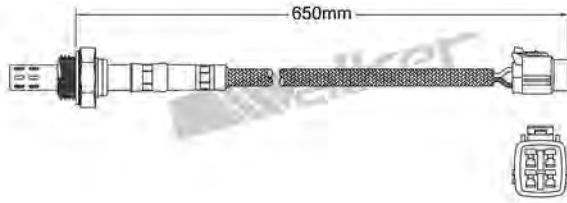
250-24886
MITSUBISHI 1998-2004
Heated Lambda Sensor



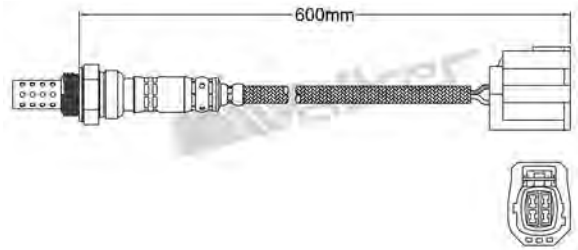
250-24877
NISSAN 2000
Heated Lambda Sensor



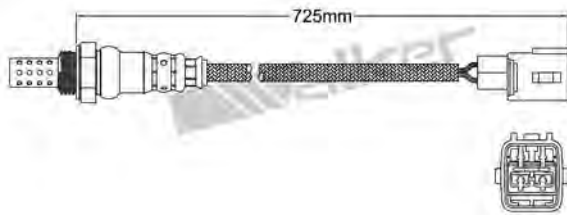
250-24887
HYUNDAI 2002-up
Heated Lambda Sensor



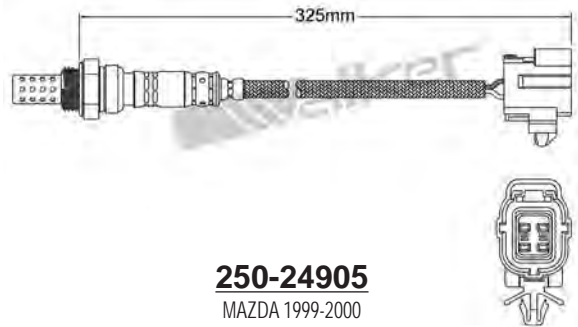
250-24888
SUBARU 2003-up
Heated Lambda Sensor



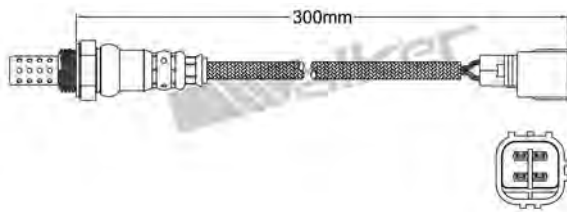
250-24904
MAZDA 2003-up
Heated Lambda Sensor



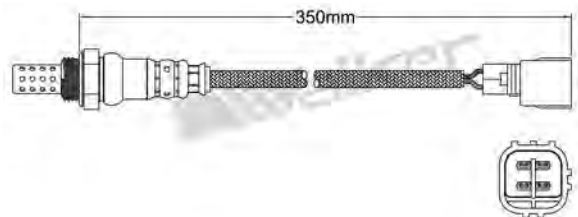
250-24889
TOYOTA 2003-2005
Heated Lambda Sensor



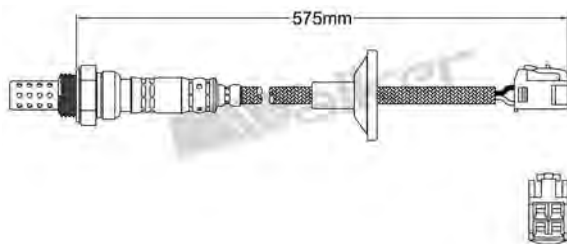
250-24905
MAZDA 1999-2000
Heated Lambda Sensor



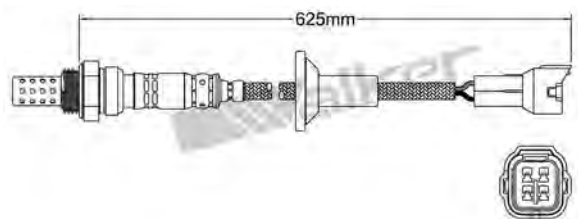
250-24901
CITROEN 2005-up / PEUGEOT 2005-up
TOYOTA 2001-up
Heated Lambda Sensor



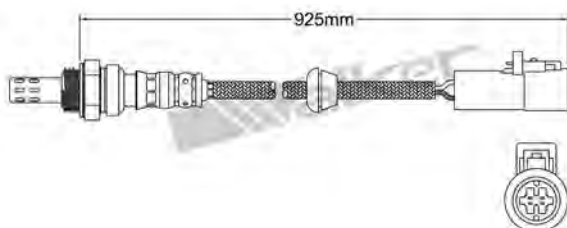
250-24906
TOYOTA 2003-up
Heated Lambda Sensor



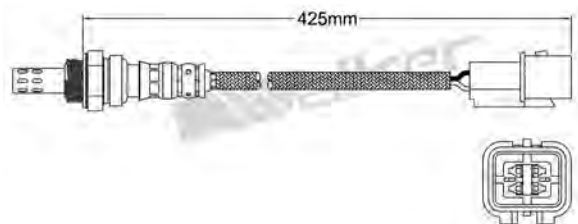
250-24902
TOYOTA 2002-up
Heated Lambda Sensor



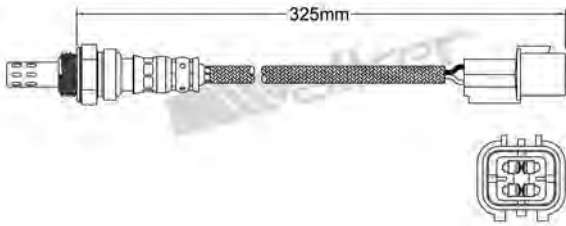
250-24907
SUZUKI 2002-2006
Heated Lambda Sensor



250-24903
FORD 2000-2007
Heated Lambda Sensor

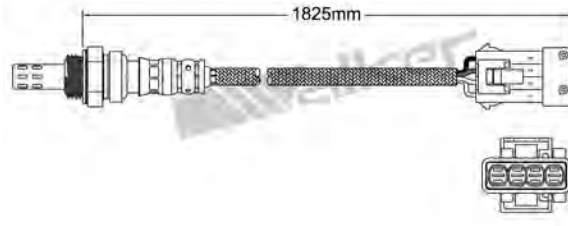


250-24908
KIA 2010-up
Heated Lambda Sensor



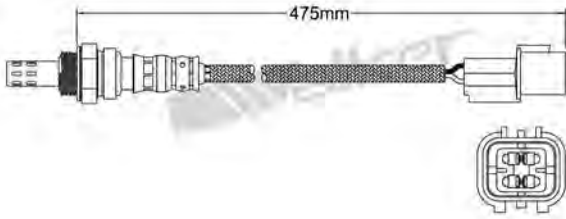
250-24909

KIA 2010-up
Heated Lambda Sensor



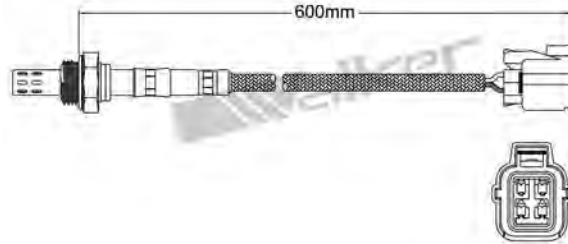
250-24921

CITROEN 2001-2004 / PEUGEOT 2000-2005
Heated Lambda Sensor



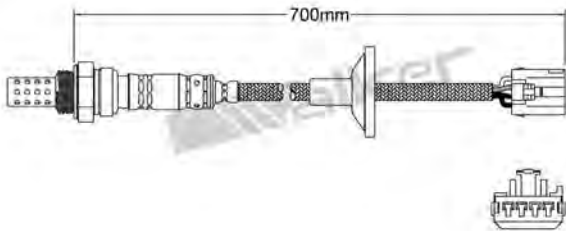
250-24916

HYUNDAI 2009-up
Heated Lambda Sensor



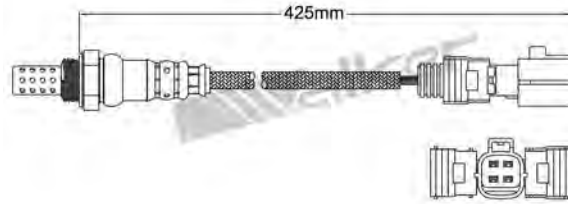
250-24922

SUBARU 2003-up
Heated Lambda Sensor



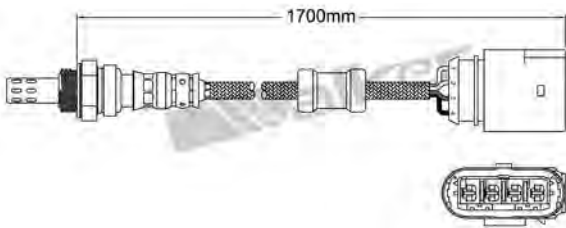
250-24918

TOYOTA 2000-up
Heated Lambda Sensor



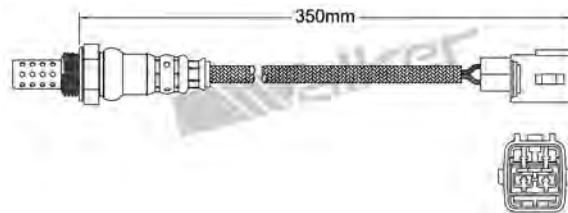
250-24923

TOYOTA 2007-up
Heated Lambda Sensor



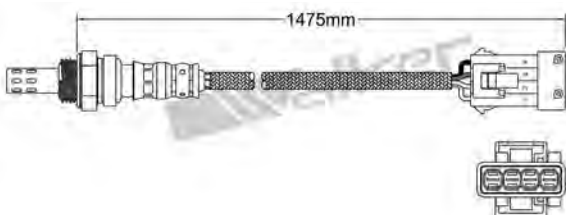
250-24919

VOLKSWAGEN 2002-2005
Heated Lambda Sensor



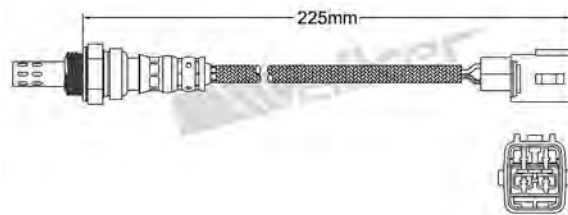
250-24924

TOYOTA 2007-up
Heated Lambda Sensor



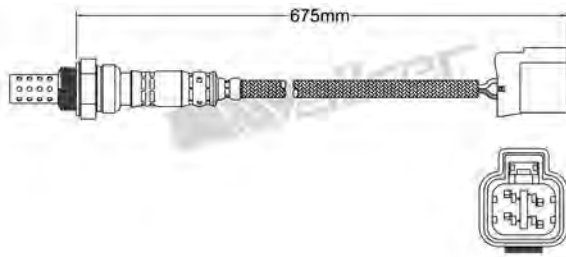
250-24920

OPEL 2003-2004 / VAUXHALL 2003-2004
Heated Lambda Sensor

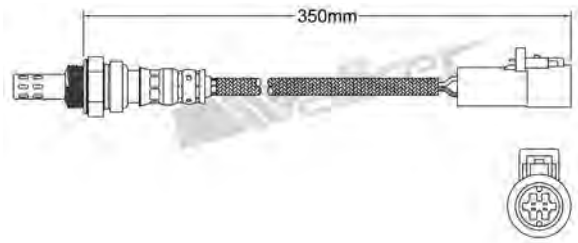


250-24927

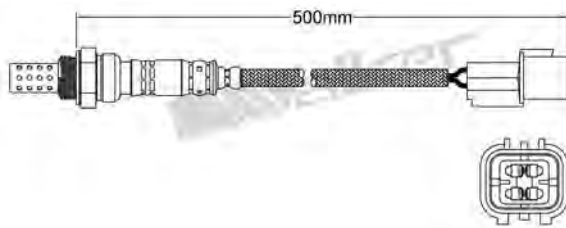
TOYOTA 2002-up
Heated Lambda Sensor



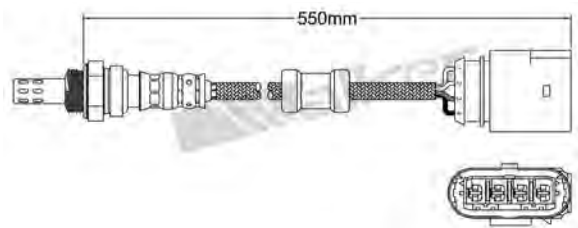
250-24932
MITSUBISHI 2000-up
Heated Lambda Sensor



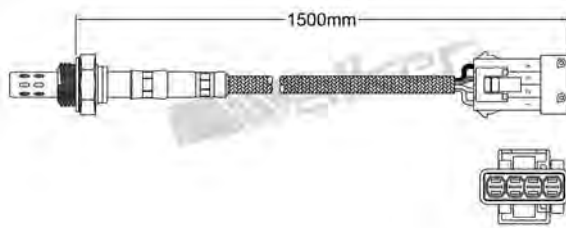
250-24939
FORD 2008-up
Heated Lambda Sensor



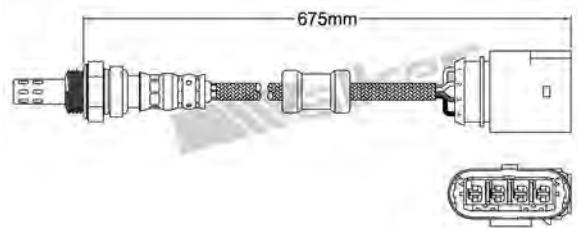
250-24933
MITSUBISHI 2000-up
Heated Lambda Sensor



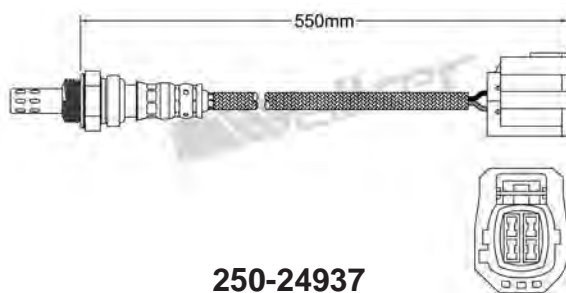
250-24940
SEAT 2000-up / SKODA 1999-up
VOLKSWAGEN 2000-up
Heated Lambda Sensor



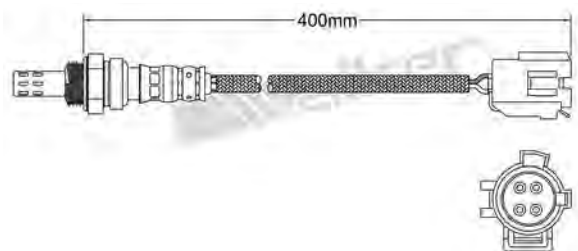
250-24936
CITROEN 1994-up / FIAT 1994-2003
LANCIA 1995-1998 / PEUGEOT 1994-up
Heated Lambda Sensor



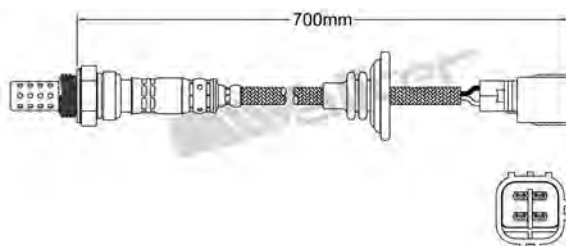
250-24941
SEAT 2007-2008 / SKODA 2001-up
VOLKSWAGEN 2002-up
Heated Lambda Sensor



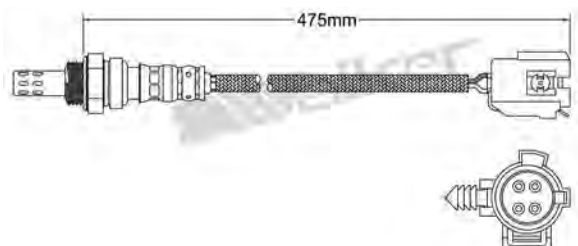
250-24937
MAZDA 2005-up
Heated Lambda Sensor



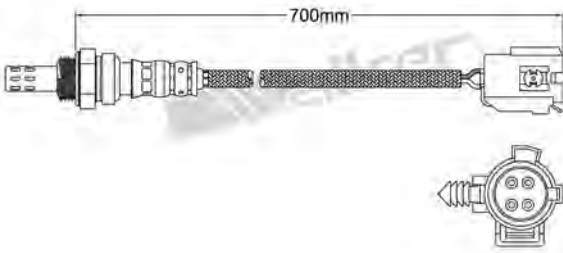
250-24942
CHRYSLER 1993-up / JEEP 1996-1999
Heated Lambda Sensor



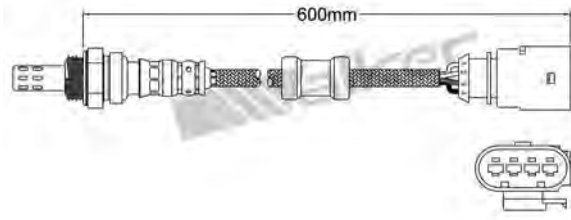
250-24938
LEXUS 2001-2005
Heated Lambda Sensor



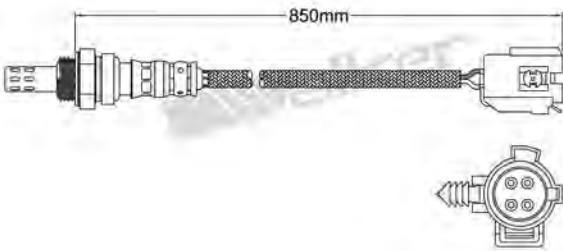
250-24943
CHRYSLER 1996-2002 / JEEP 1995-1998
Heated Lambda Sensor



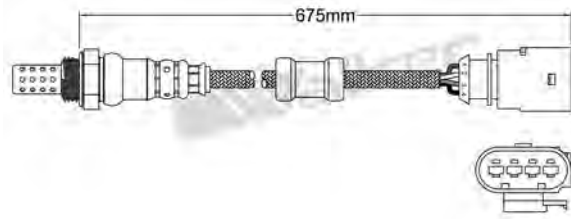
250-24944
CHRYSLER 2001-2004
Heated Lambda Sensor



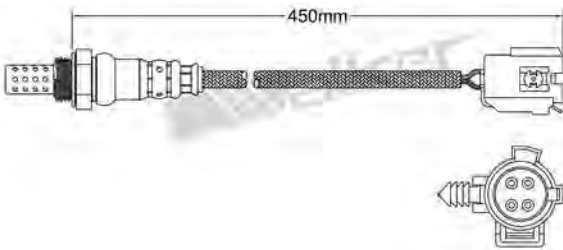
250-24953
AUDI 2005-up / SEAT 2006-up
SKODA 2006-up / VOLKSWAGEN 2006-up
Heated Lambda Sensor



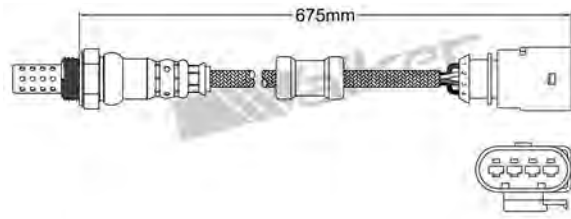
250-24945
CHRYSLER 1994-2000
Heated Lambda Sensor



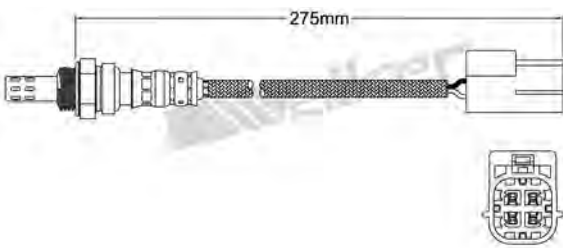
250-24954
AUDI 2003-up / SKODA 2008-up
VOLKSWAGEN 2003-up
Heated Lambda Sensor



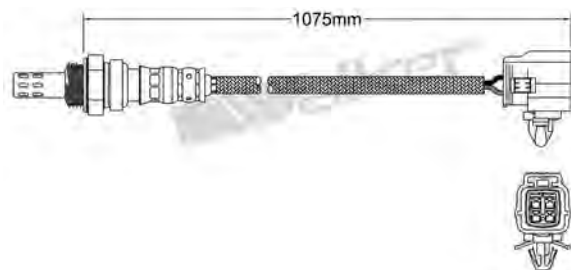
250-24946
CHRYSLER 1999-up
Heated Lambda Sensor



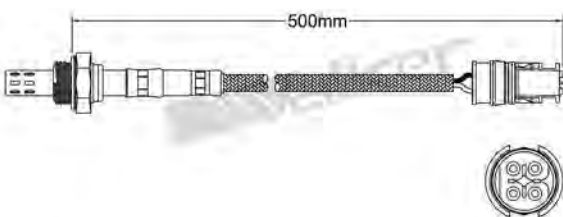
250-24955
AUDI 2006-up / VOLKSWAGEN 2005-up
Heated Lambda Sensor



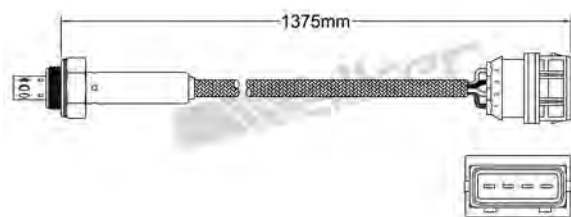
250-24951
NISSAN 2005-2006
Heated Lambda Sensor



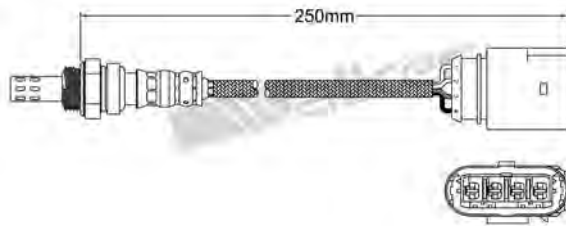
250-24964
MAZDA 2002-2005
Heated Lambda Sensor



250-24952
MERCEDES 1995-1997
Heated Lambda Sensor

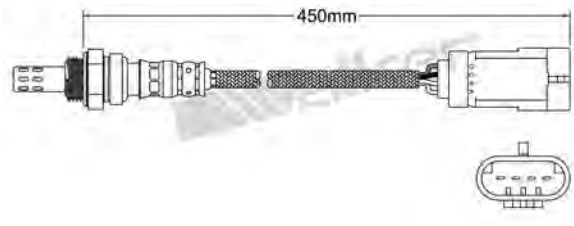


250-24965
VOLVO 1997-2004
Heated Lambda Sensor



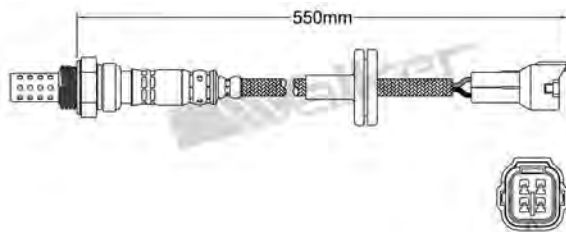
250-24966

FORD USA 1991-1992 / SEAT 2002-up
SKODA 2001-up / VOLKSWAGEN 2001-up
Heated Lambda Sensor



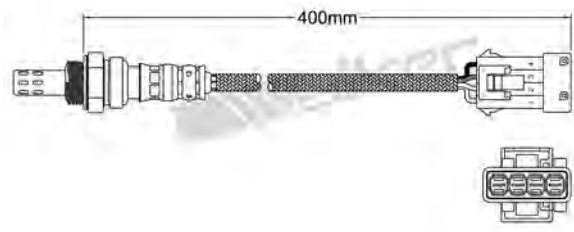
250-24971

RENAULT 2004-up
Heated Lambda Sensor



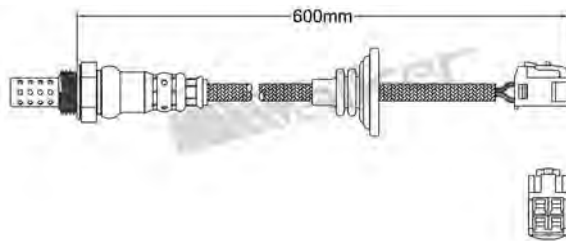
250-24967

SUZUKI 1995-up
Heated Lambda Sensor



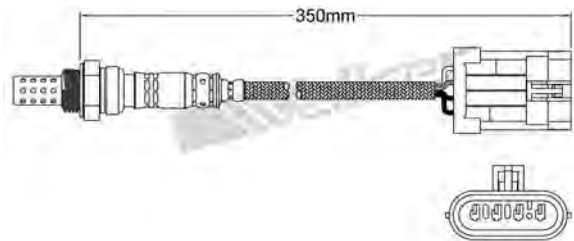
250-24972

CITROEN 1997-up / PEUGEOT 2001-up
Heated Lambda Sensor



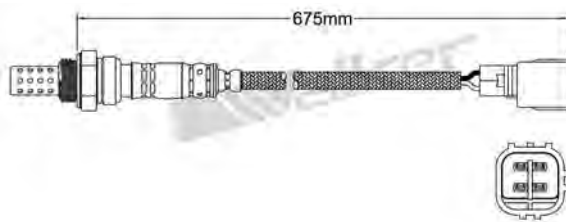
250-24968

TOYOTA 2002-2007
Heated Lambda Sensor



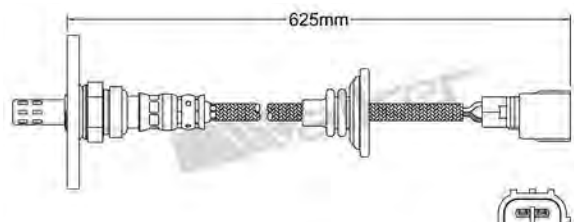
250-24973

CHEVROLET 2005-up / DAEWOO 2002-2005
Heated Lambda Sensor



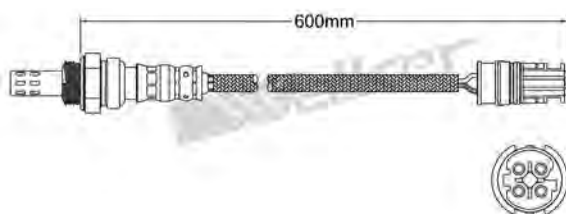
250-24969

TOYOTA 2000-up
Heated Lambda Sensor



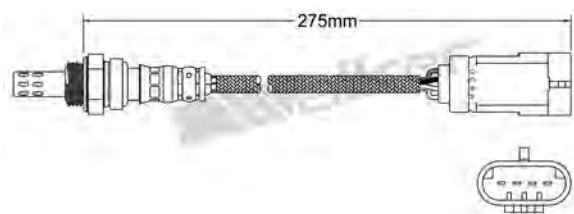
250-24974

TOYOTA 1994-2000
Heated Lambda Sensor



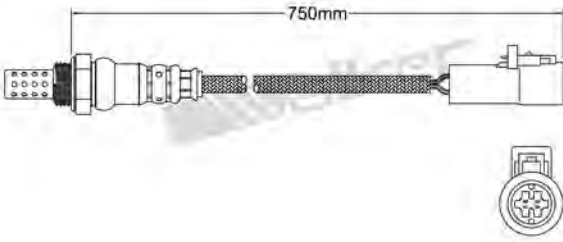
250-24970

BMW 2004-2011
Heated Lambda Sensor



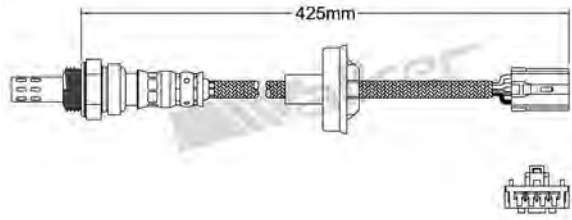
250-24975

NISSAN 2003-2004 / RENAULT 1997-up
Heated Lambda Sensor



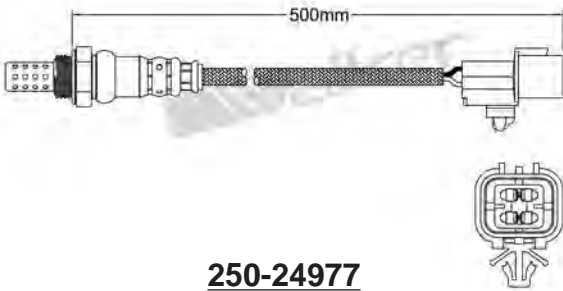
250-24976

FORD 2003-up / VOLVO 2004-up
Heated Lambda Sensor



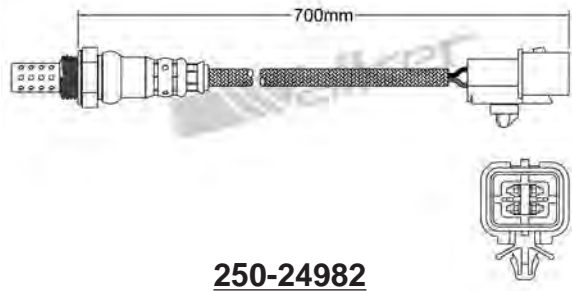
250-24981

MITSUBISHI 2003-up
Heated Lambda Sensor



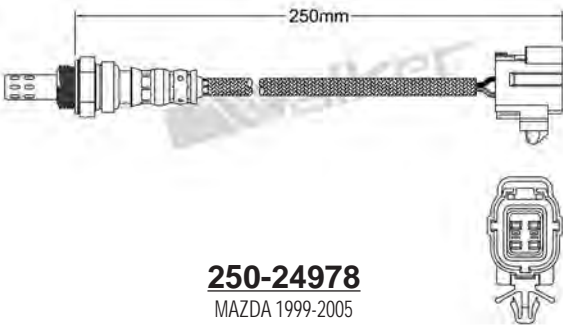
250-24977

HYUNDAI 2002-up
Heated Lambda Sensor



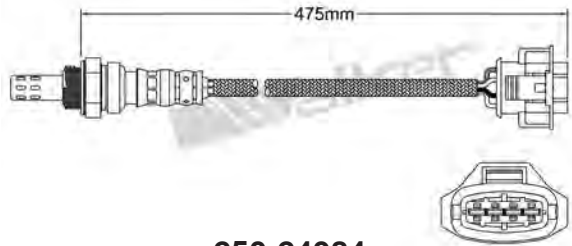
250-24982

HYUNDAI 2006-up / KIA 2006-up
Heated Lambda Sensor



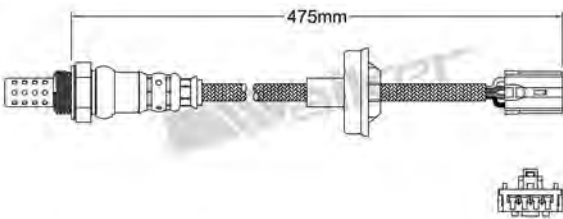
250-24978

MAZDA 1999-2005
Heated Lambda Sensor



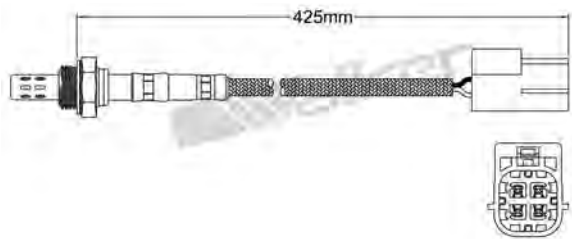
250-24984

ALFA ROMEO 2005-2011 / FIAT 2005-up
OPEL 1999-up / VAUXHALL 1999-up
Heated Lambda Sensor



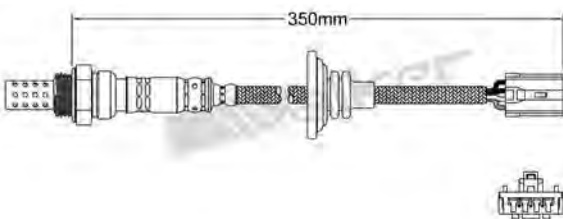
250-24979

MITSUBISHI 2004-up / SMART 2004-up
Heated Lambda Sensor



250-24985

NISSAN 2000-2003
Heated Lambda Sensor



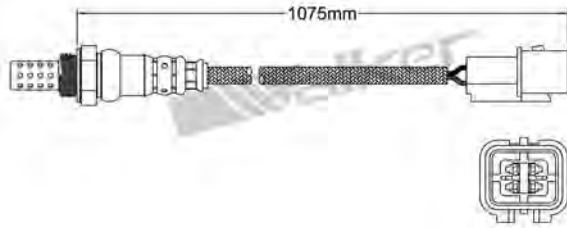
250-24980

MITSUBISHI 2000-2006
Heated Lambda Sensor

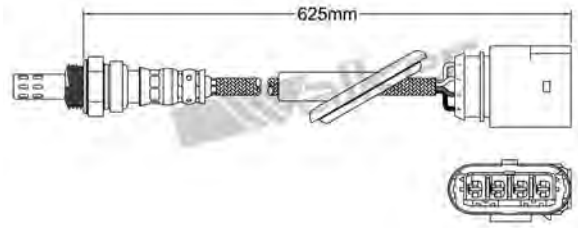


250-24986

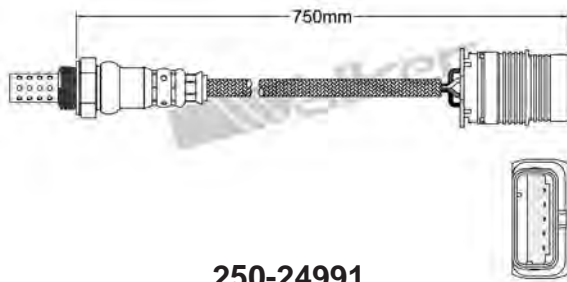
MAZDA 1999-2005
Heated Lambda Sensor



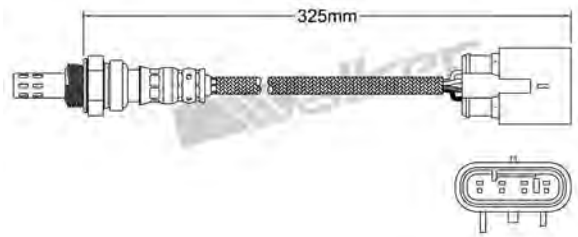
250-24990
KIA 2008-up
Heated Lambda Sensor



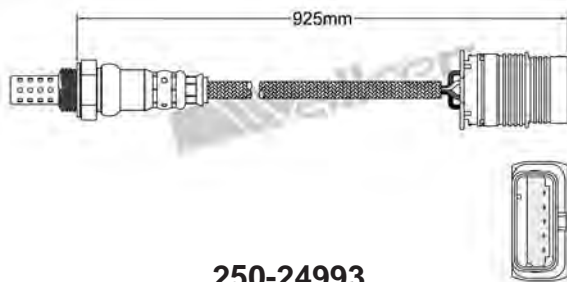
250-241002
AUDI 2000-2005
Heated Lambda Sensor



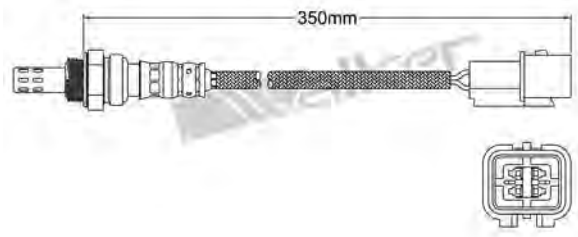
250-24991
BMW 2006-up
Heated Lambda Sensor



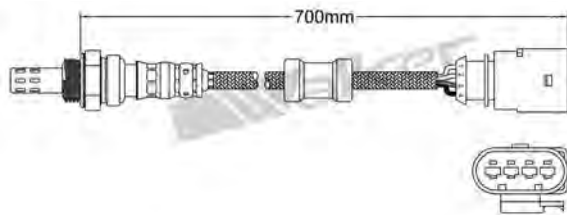
250-241003
ALFA ROMEO 2008-up / FIAT 2005-up
FORD 2008-up / LANCIA 2010-up
Heated Lambda Sensor



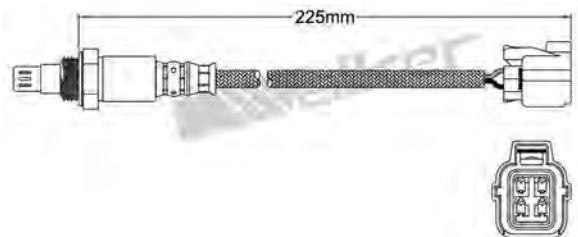
250-24993
BMW 2010-up
Heated Lambda Sensor



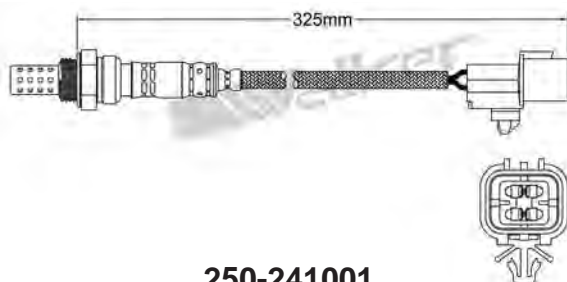
250-241009
MITSUBISHI 2003-2008
Heated Lambda Sensor



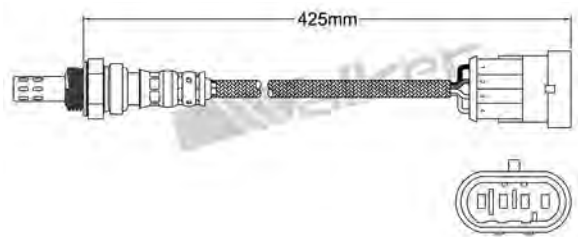
250-24994
AUDI 2010-up / VOLKSWAGEN 2005-up
Heated Lambda Sensor



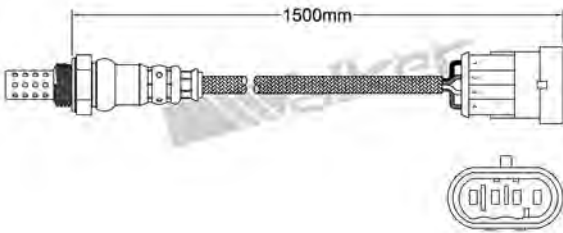
250-241011
NISSAN 2003-up
Heated Lambda Sensor



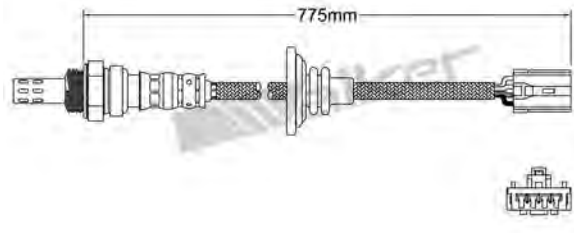
250-241001
CHEVROLET 2005-up
Heated Lambda Sensor



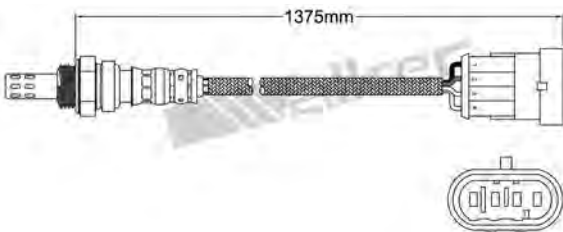
250-241013
FIAT 1998-up / LANCIA 1999-2006
Heated Lambda Sensor



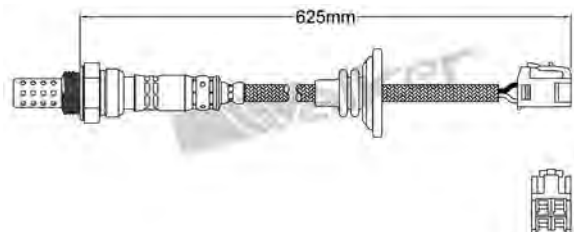
250-241015
LANCIA 2002-2005
Heated Lambda Sensor



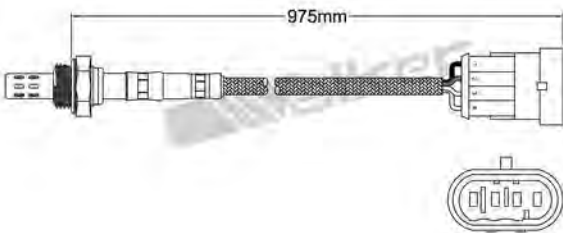
250-241020
MITSUBISHI 1996-2003
Heated Lambda Sensor



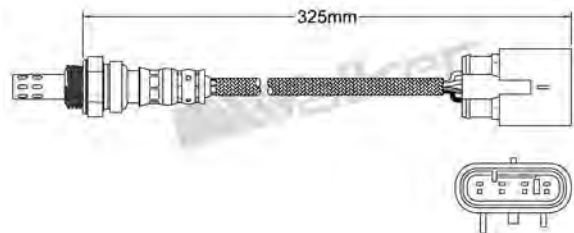
250-241016
FIAT 1999-2003
Heated Lambda Sensor



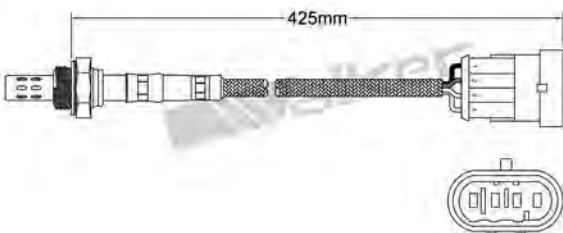
250-241021
MITSUBISHI 2003-2006 / TOYOTA 2002-2007
Heated Lambda Sensor



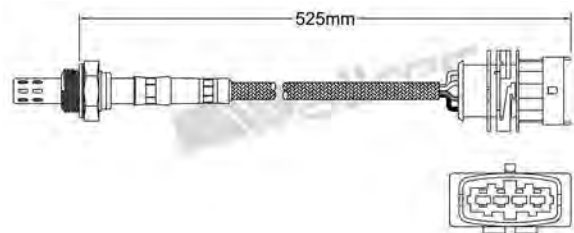
250-241017
FIAT 1996-up / HSV 2008-2010
Heated Lambda Sensor



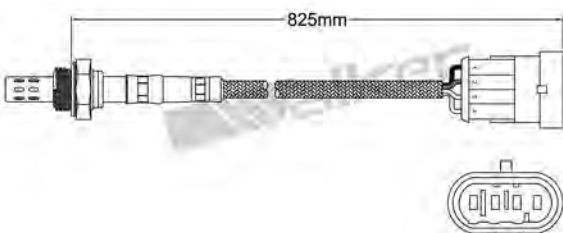
250-241022
FIAT 2000-up
Heated Lambda Sensor



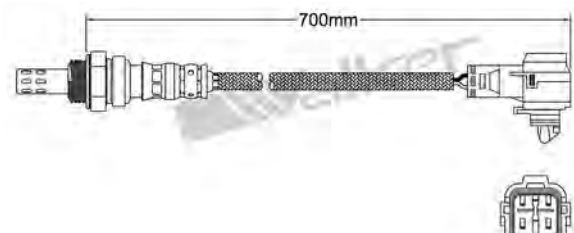
250-241018
FIAT 2002-up
Heated Lambda Sensor



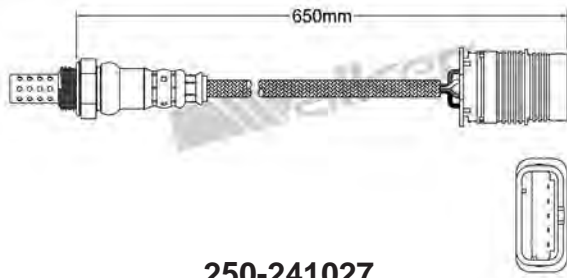
250-241024
OPEL 1997-2000 / VAUXHALL 1997-2000
Heated Lambda Sensor



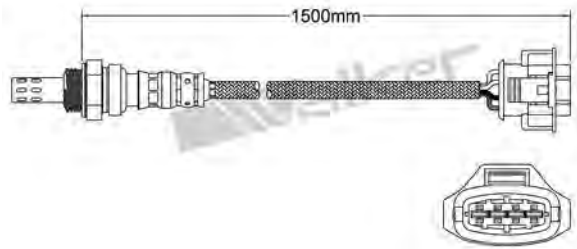
250-241019
FIAT 2001-2002
Heated Lambda Sensor



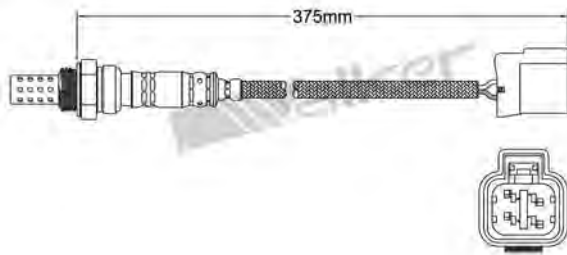
250-241026
KIA 1996-2001
Heated Lambda Sensor



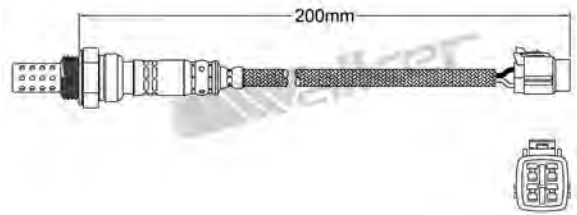
250-241027
BMW 2011-up
Heated Lambda Sensor



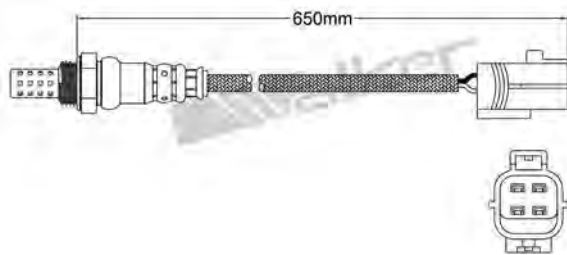
250-241032
FIAT 2005-up / VAUXHALL 2002-2005
Heated Lambda Sensor



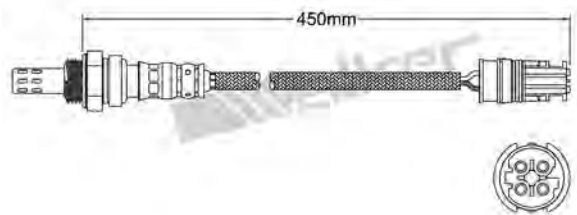
250-241028
MITSUBISHI 1998-2002
Heated Lambda Sensor



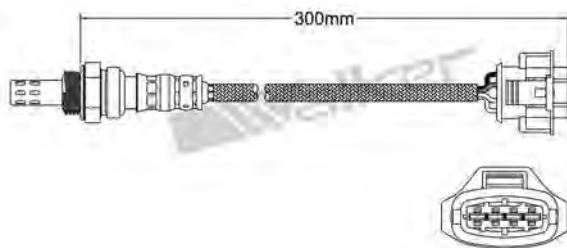
250-241033
DAIHATSU 1998-up
Heated Lambda Sensor



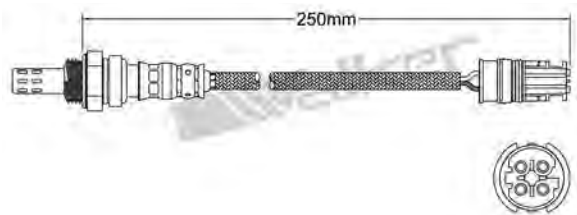
250-241029
MITSUBISHI 2005-up / VAUXHALL 2008-up
Heated Lambda Sensor



250-241037
BMW 2003-up
Heated Lambda Sensor



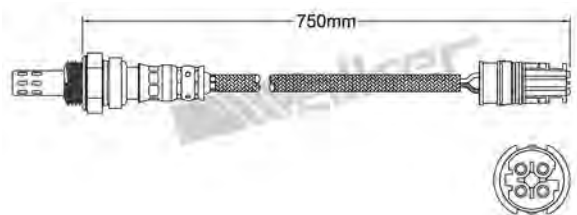
250-241030
OPEL 2000-2005
Heated Lambda Sensor



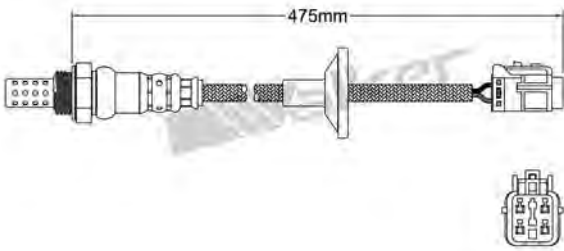
250-241038
BMW 2003-2012
Heated Lambda Sensor



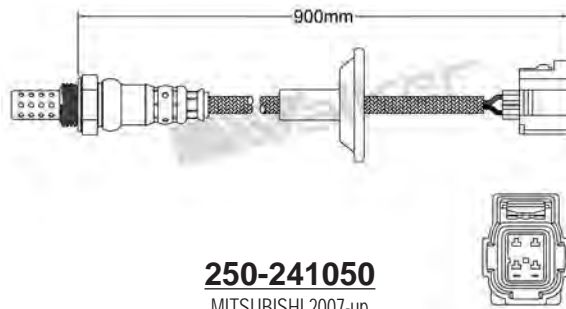
250-241031
MITSUBISHI 2001-2007
Heated Lambda Sensor



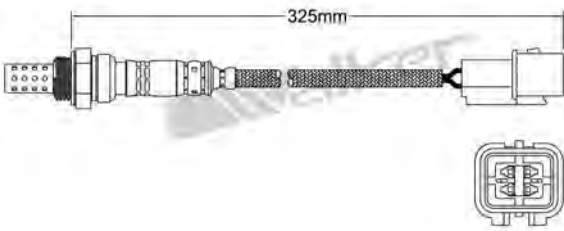
250-241039
BMW 2005-up
Heated Lambda Sensor



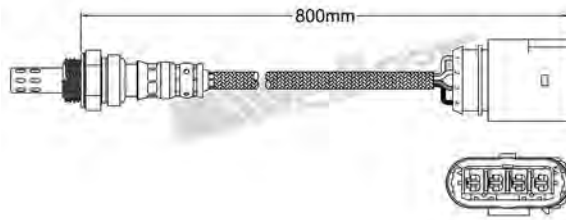
250-241040
KIA 2008-up
Heated Lambda Sensor



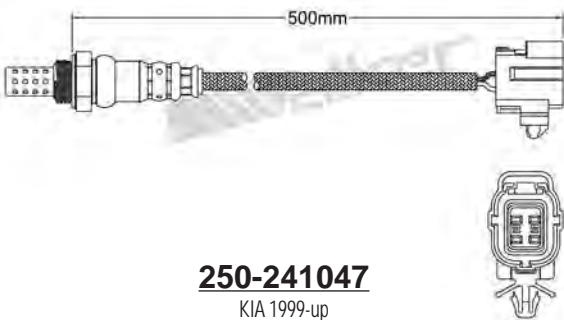
250-241050
MITSUBISHI 2007-up
Heated Lambda Sensor



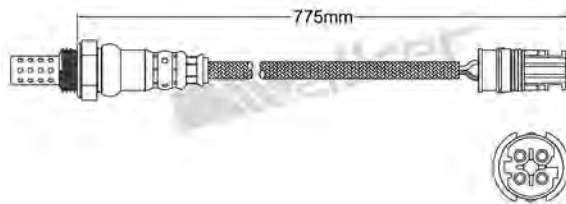
250-241043
MITSUBISHI 2008-up
Heated Lambda Sensor



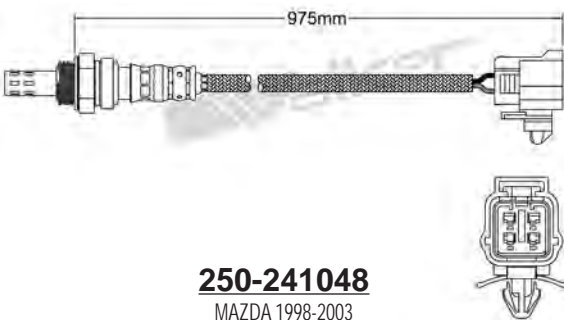
250-241051
AUDI 1994-2008 / SEAT 2009-2010
SKODA 2002-2008 / VOLKSWAGEN 1996-2005
Heated Lambda Sensor



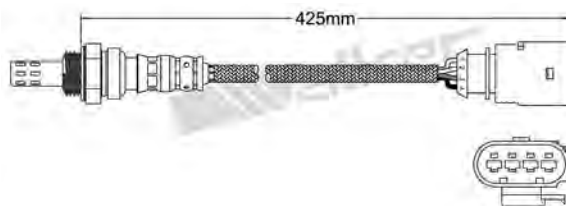
250-241047
KIA 1999-up
Heated Lambda Sensor



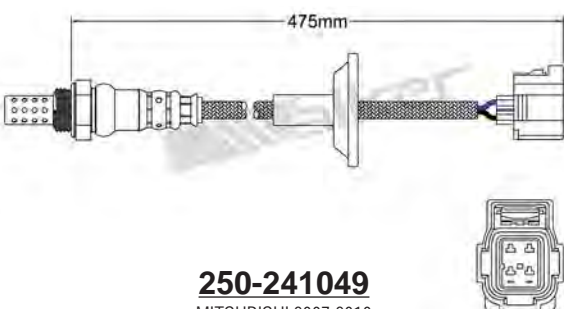
250-241053
BMW 2007-up
Heated Lambda Sensor



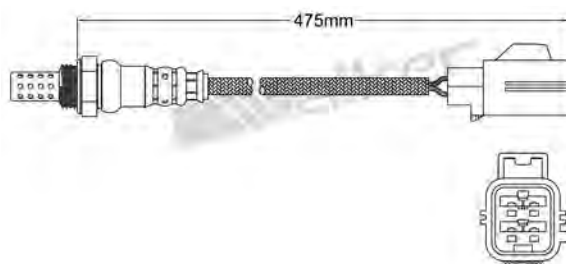
250-241048
MAZDA 1998-2003
Heated Lambda Sensor



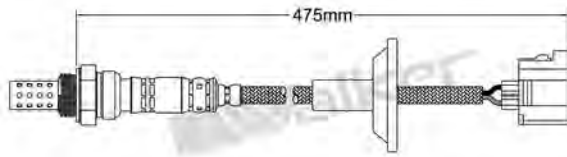
250-241054
AUDI 2007-up / SEAT 2007-up
VOLKSWAGEN 2007-2010
Heated Lambda Sensor



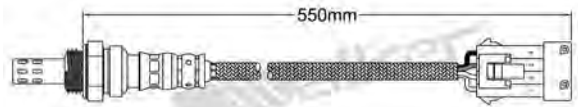
250-241049
MITSUBISHI 2007-2010
Heated Lambda Sensor



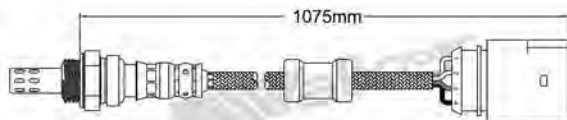
250-241055
LAND ROVER 2011-up
Heated Lambda Sensor



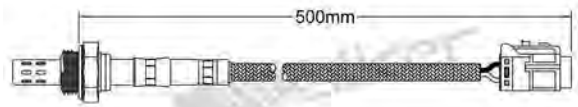
250-241056
CITROEN 2008-up / MITSUBISHI 2010-up
PEUGEOT 2008-up
Heated Lambda Sensor



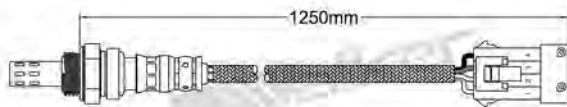
250-241064
CITROEN 1998-up / PEUGEOT 1998-up
Heated Lambda Sensor



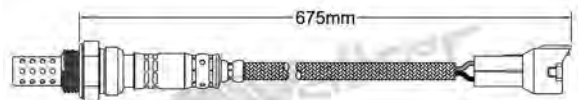
250-241057
AUDI 1994-2008 / SKODA 2002-2008
VOLKSWAGEN 1996-2005
Heated Lambda Sensor



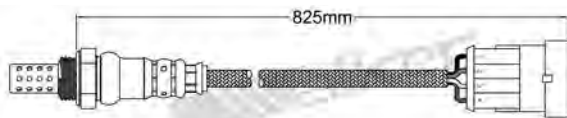
250-241065
DAEWOO 1999-2005 / SSANGYONG 1997-up
Heated Lambda Sensor



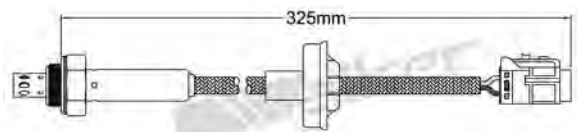
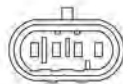
250-241058
PEUGEOT 2004-2005
Heated Lambda Sensor



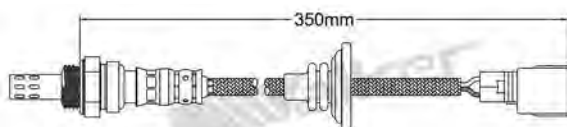
250-241066
SUZUKI 1998-2000
Heated Lambda Sensor



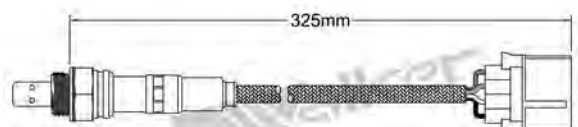
250-241060
ALFA ROMEO 2000-up / FIAT 2007-up
LANCIA 2002-up
Heated Lambda Sensor



250-241067
HYUNDAI 1999-2006
Heated Lambda Sensor

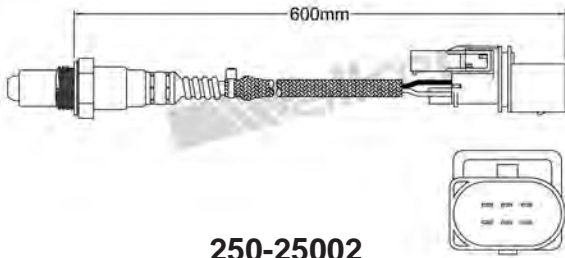


250-241061
TOYOTA 2000-2001
Heated Lambda Sensor



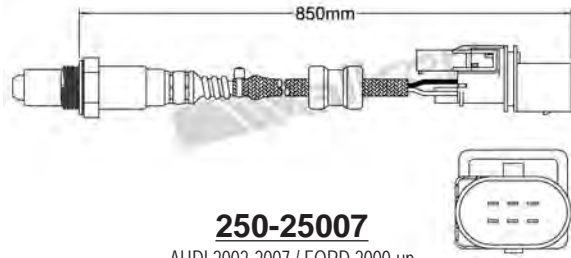
250-25001
HONDA 2006-up
Linear Wideband Sensor





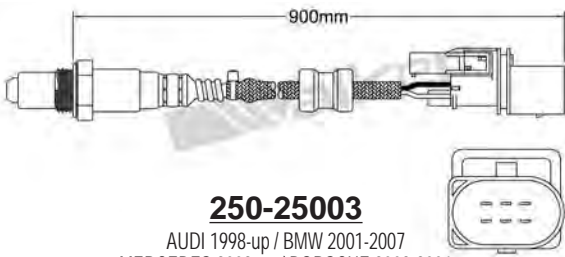
250-25002

AUDI 2000-up / BMW 2001-up
SEAT 2002-2006 / VOLKSWAGEN 1998-2006
Linear Wideband Sensor



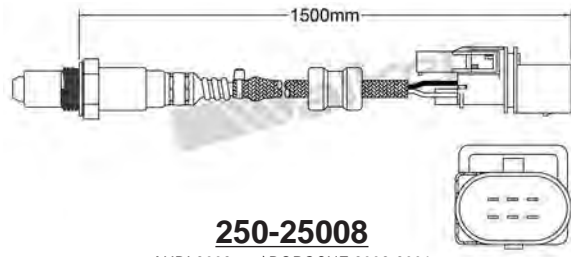
250-25007

AUDI 2002-2007 / FORD 2000-up
SEAT 1999-up / SKODA 1999-2007
VOLKSWAGEN 1999-up
Linear Wideband Sensor



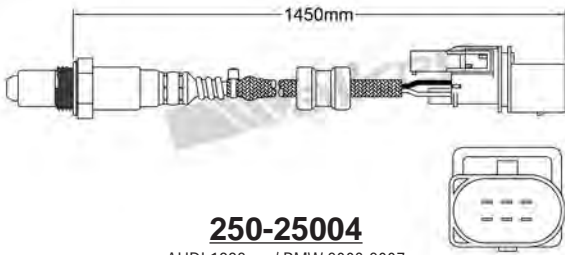
250-25003

AUDI 1998-up / BMW 2001-2007
MERCEDES 2002-up / PORSCHE 2003-2006
SEAT 1999-up / SKODA 2000-2004
VOLKSWAGEN 1999-up
Linear Wideband Sensor



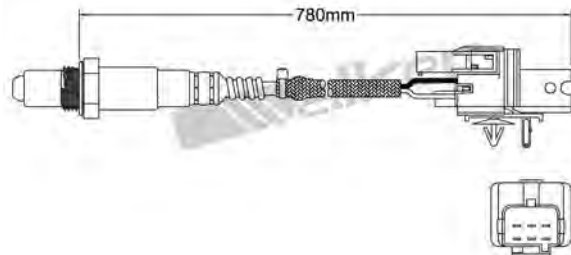
250-25008

AUDI 2002-up / PORSCHE 2003-2006
SEAT 2001-2008 / SKODA 1999-2010
VOLKSWAGEN 1999-up
Linear Wideband Sensor



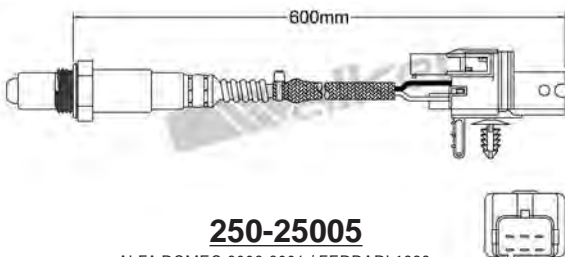
250-25004

AUDI 1998-up / BMW 2003-2007
SEAT 2001-2006 / SKODA 2000-2004
VOLKSWAGEN 1999-up
Linear Wideband Sensor



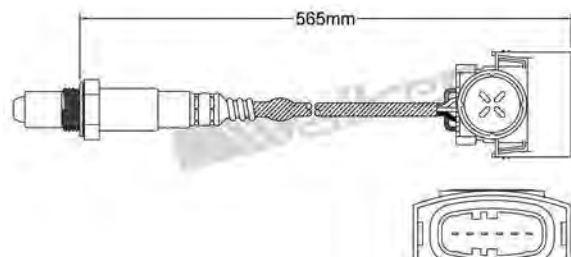
250-25009

VOLVO 1998-2005
Linear Wideband Sensor



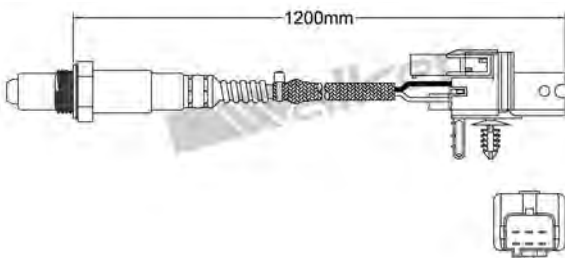
250-25005

ALFA ROMEO 2002-2006 / FERRARI 1999-up
FORD 2006-up / NISSAN 2003-up
VOLVO 1998-2000
Linear Wideband Sensor



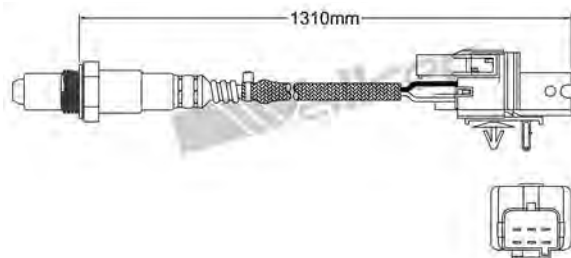
250-25010

OPEL 2003-2009 / VAUXHALL 2003-up
Linear Wideband Sensor



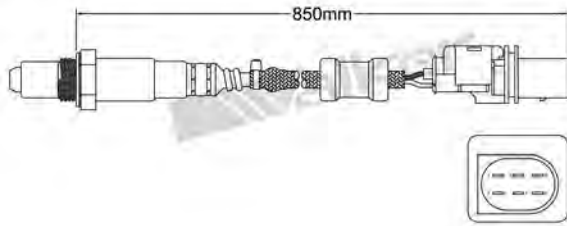
250-25006

VOLVO 1998-up
Linear Wideband Sensor

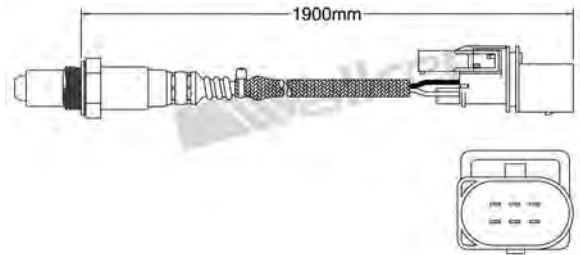


250-25011

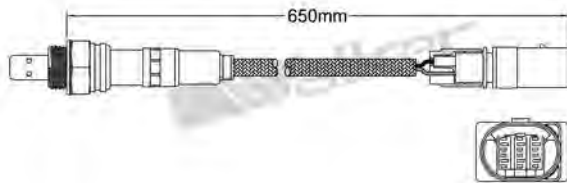
VOLVO 1999-2007
Linear Wideband Sensor



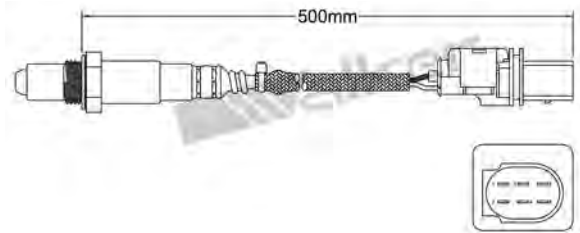
250-25015
AUDI 2006-up / PORSCHE 2004-2006
Linear Wideband Sensor



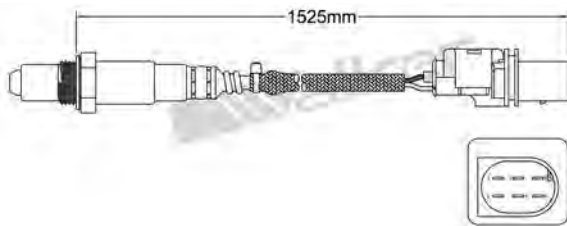
250-25021
AUDI 2004-2007
Linear Wideband Sensor



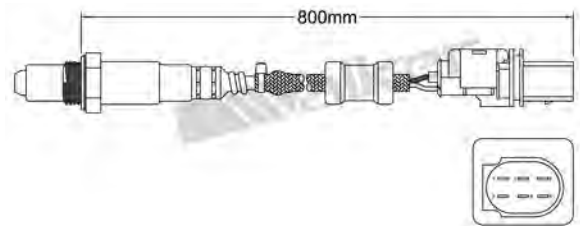
250-25017
AUDI 2004-up / FIAT 2007-up
Linear Wideband Sensor



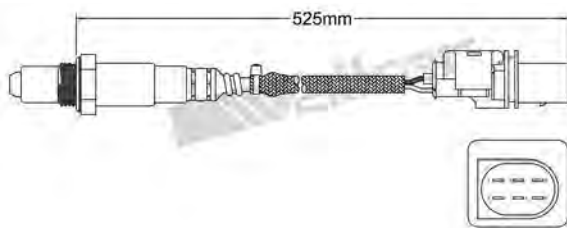
250-25025
AUDI 2006-up / PORSCHE 2006-2010
VOLKSWAGEN 2006-2010
Linear Wideband Sensor



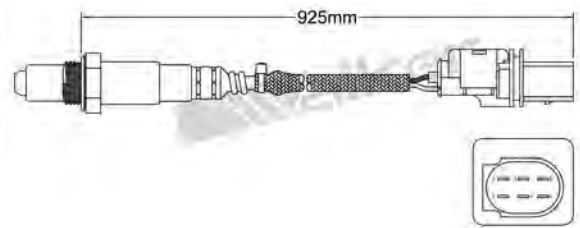
250-25018
BMW 2005-up
Linear Wideband Sensor



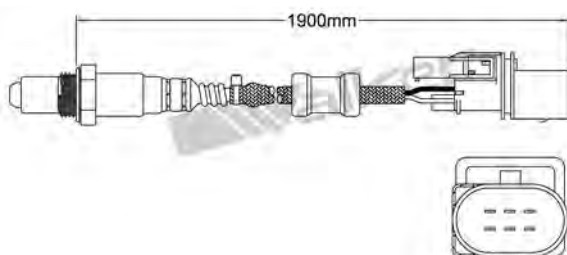
250-25026
AUDI 2005-up / VOLKSWAGEN 2005-up
Linear Wideband Sensor



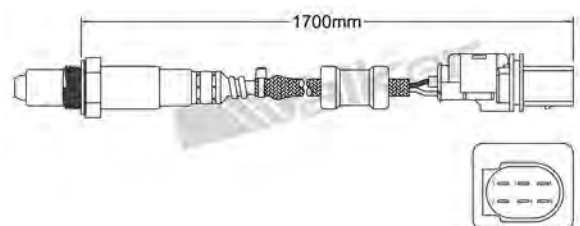
250-25019
AUDI 2004-up
Linear Wideband Sensor



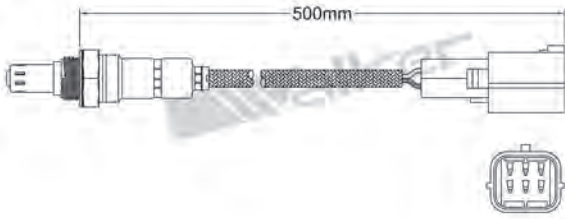
250-25027
AUDI 2005-up
Linear Wideband Sensor



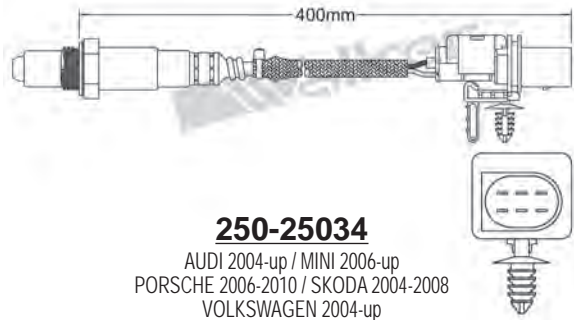
250-25020
AUDI 2004-2007 / VOLKSWAGEN 2002-2007
Linear Wideband Sensor



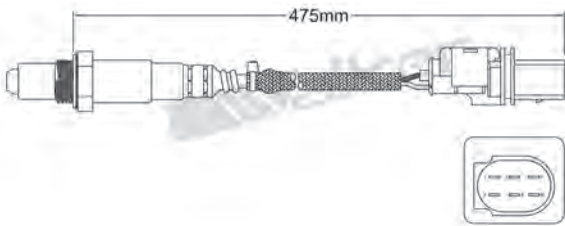
250-25028
AUDI 2007-up
Linear Wideband Sensor



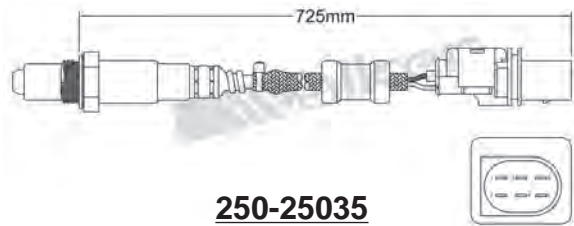
250-25029
MAZDA 2006-up
Linear Wideband Sensor



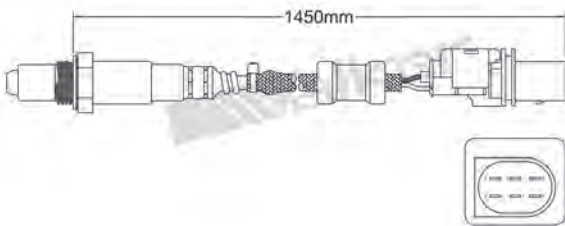
250-25034
AUDI 2004-up / MINI 2006-up
PORSCHE 2006-2010 / SKODA 2004-2008
VOLKSWAGEN 2004-up
Linear Wideband Sensor



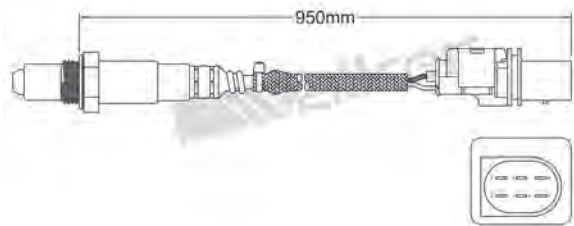
250-25030
AUDI 2006-up
Linear Wideband Sensor



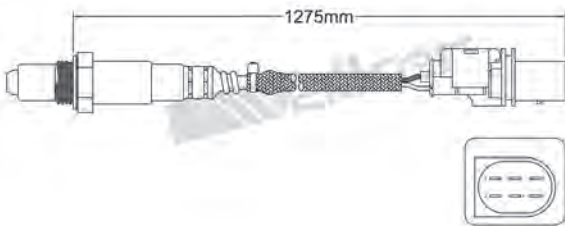
250-25035
AUDI 2004-up / OPEL 2005-2009
PORSCHE 2006-2010 / SAAB 2005-up
SEAT 2005-up / SKODA 2005-up
VAUXHALL 2005-up / VOLKSWAGEN 2004-up
Linear Wideband Sensor



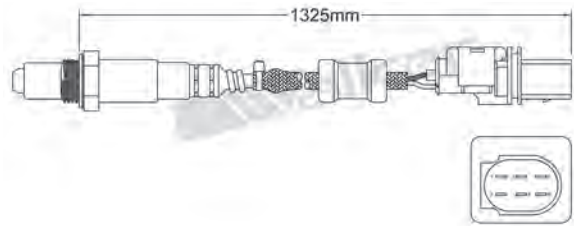
250-25031
AUDI 2004-up / PORSCHE 2006-2010
Linear Wideband Sensor



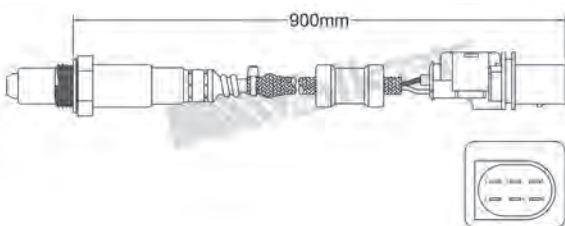
250-25036
VOLKSWAGEN 2001-up
Linear Wideband Sensor



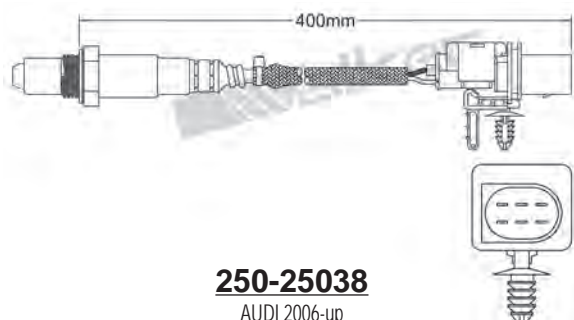
250-25032
AUDI 2006-2007
Linear Wideband Sensor



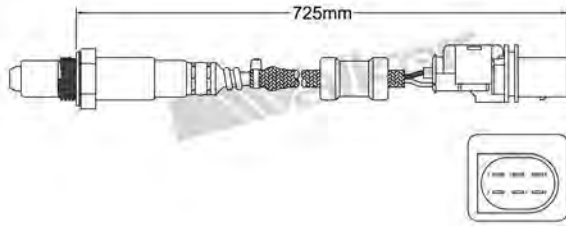
250-25037
AUDI 2003-up / VOLKSWAGEN 2007-up
Linear Wideband Sensor



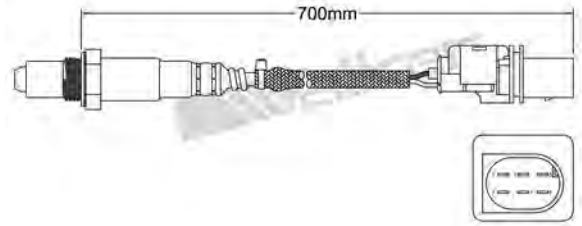
250-25033
AUDI 2003-2008 / SEAT 2004-up
SKODA 2004-2008 / VOLKSWAGEN 2003-up
Linear Wideband Sensor



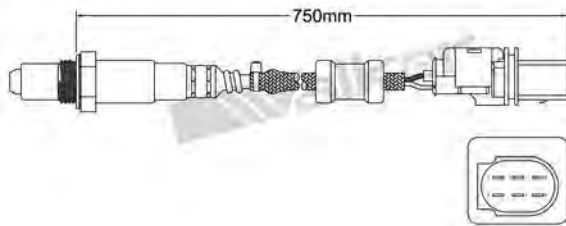
250-25038
AUDI 2006-up
Linear Wideband Sensor



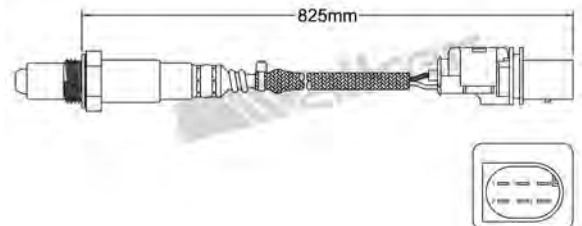
250-25039
AUDI 2005-up
Linear Wideband Sensor



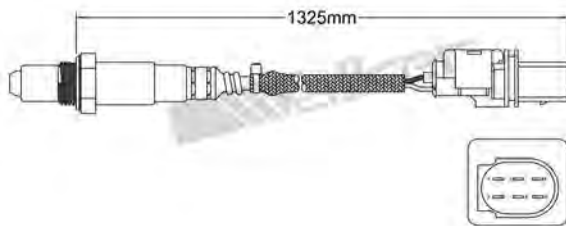
250-25044
BMW 2003-up / CITROEN 2008-up
MINI 2007-up / PEUGEOT 2006-up
Linear Wideband Sensor



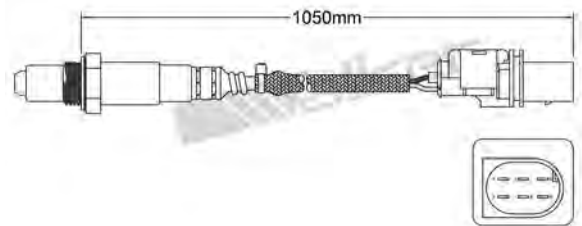
250-25040
AUDI 2003-2005 / SKODA 2008-2010
VOLKSWAGEN 2005-up
Linear Wideband Sensor



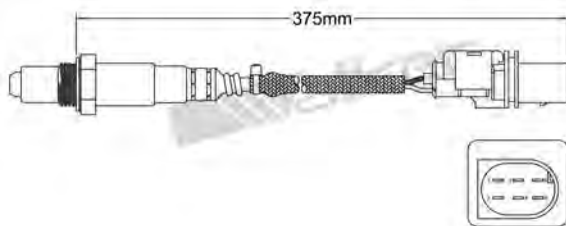
250-25045
MERCEDES 2004-up
Linear Wideband Sensor



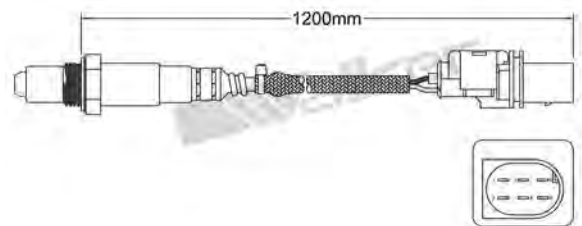
250-25041
AUDI 2006-2007
Linear Wideband Sensor



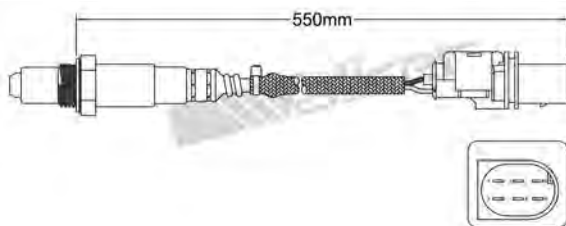
250-25046
BMW 2005-up
Linear Wideband Sensor



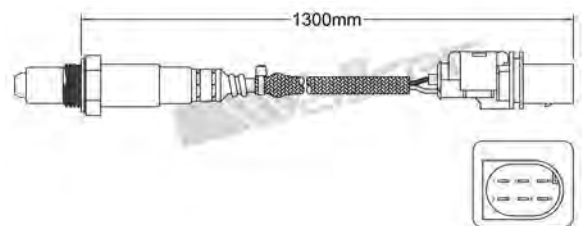
250-25042
BMW 2004-up / MERCEDES 2006-up
Linear Wideband Sensor



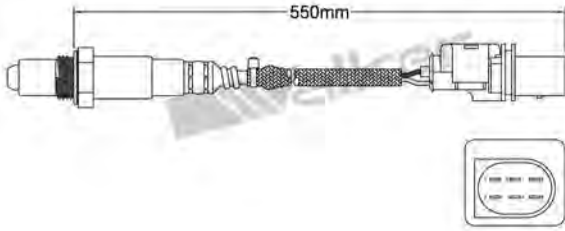
250-25047
BMW 2006-up
Linear Wideband Sensor



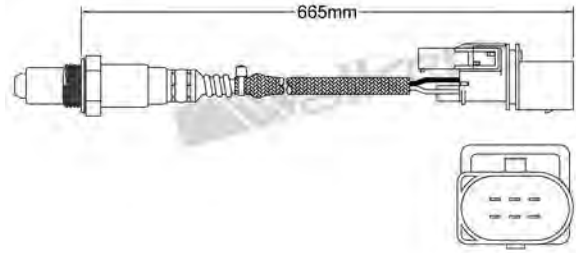
250-25043
BMW 2005-2007 / MERCEDES 2004-up
Linear Wideband Sensor



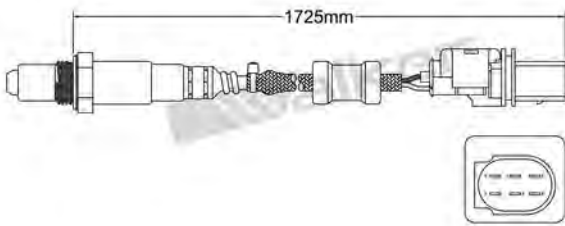
250-25048
BMW 2008-up
Linear Wideband Sensor



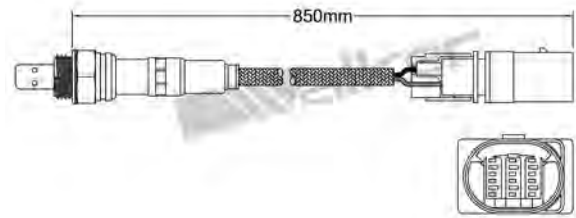
250-25049
ALFA ROMEO 2005-up / VAUXHALL 2006-up
Linear Wideband Sensor



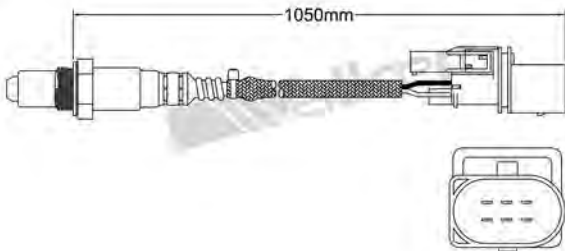
250-25057
BMW 2001-2002
Linear Wideband Sensor



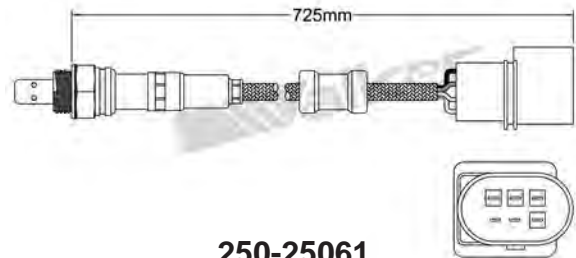
250-25052
AUDI 2007-up
Linear Wideband Sensor



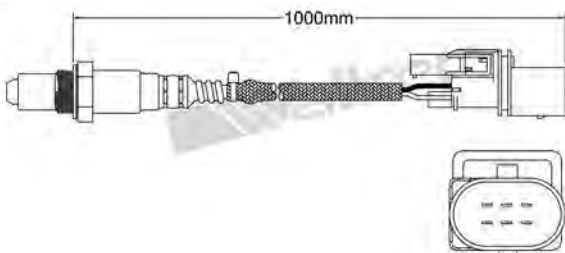
250-25058
AUDI 2005-up
Linear Wideband Sensor



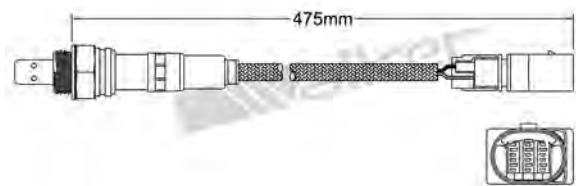
250-25053
VOLKSWAGEN 2002-2010
Linear Wideband Sensor



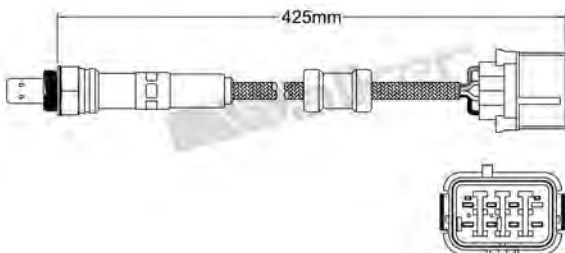
250-25061
AUDI 2003-up / SEAT 2004-up
SKODA 2004-up / VOLKSWAGEN 2004-up
Linear Wideband Sensor



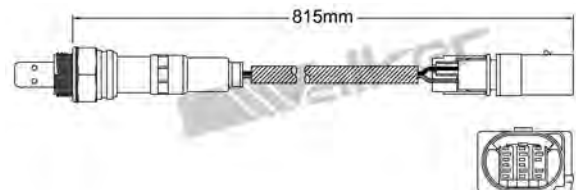
250-25054
VOLKSWAGEN 2002-2010
Linear Wideband Sensor



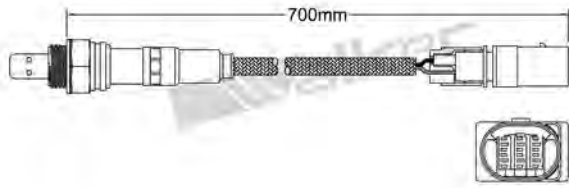
250-25062
AUDI 2010-up / HYUNDAI 2010-up
KIA 2009-up / SEAT 2004-up
SKODA 1999-up / VOLKSWAGEN 2001-up
Linear Wideband Sensor



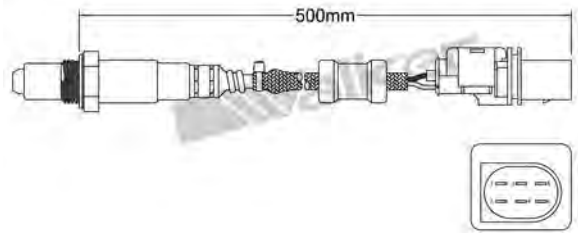
250-25055
HONDA 1991-2006
Linear Wideband Sensor



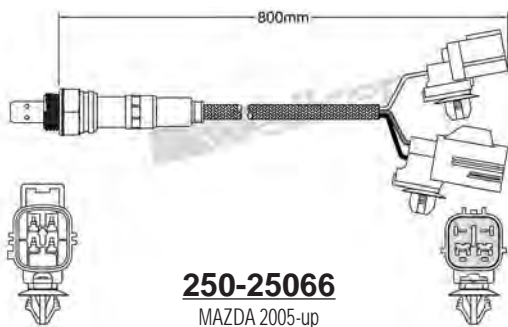
250-25064
AUDI 2005-up
Linear Wideband Sensor



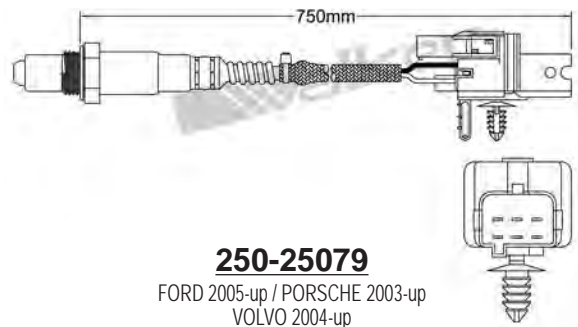
250-25065
AUDI 2006-up / HYUNDAI 2010-up
KIA 2010-up / SEAT 2006-up
SKODA 2006-up / VOLKSWAGEN 2005-up
Linear Wideband Sensor



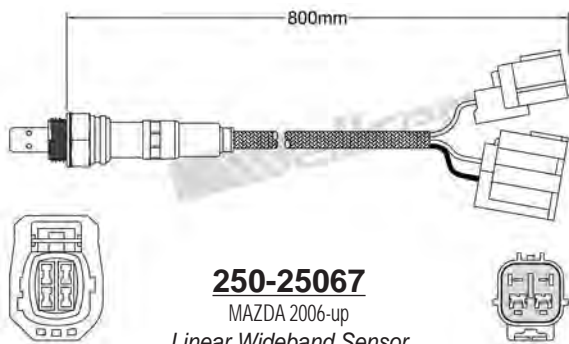
250-25078
AUDI 2004-2008 / SEAT 2004-up
SKODA 2004-2008 / VOLKSWAGEN 2003-2010
Linear Wideband Sensor



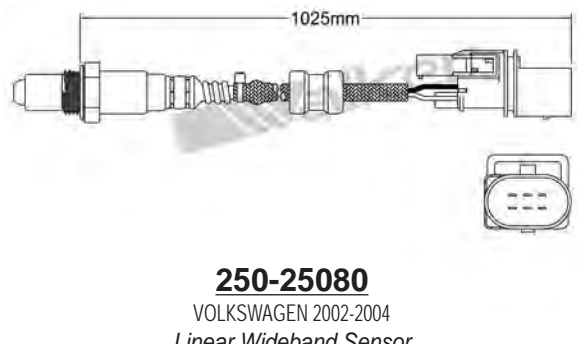
250-25066
MAZDA 2005-up
Linear Wideband Sensor



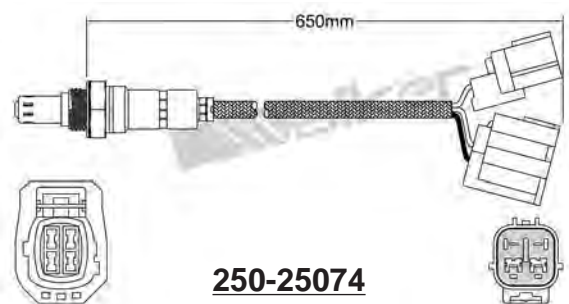
250-25079
FORD 2005-up / PORSCHE 2003-up
VOLVO 2004-up
Linear Wideband Sensor



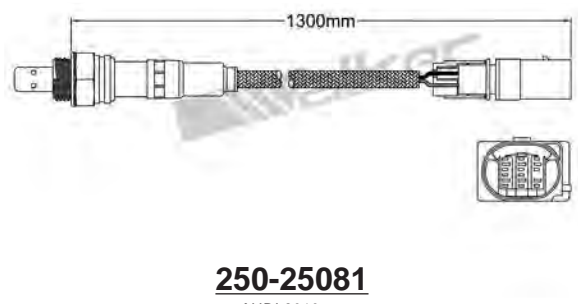
250-25067
MAZDA 2006-up
Linear Wideband Sensor



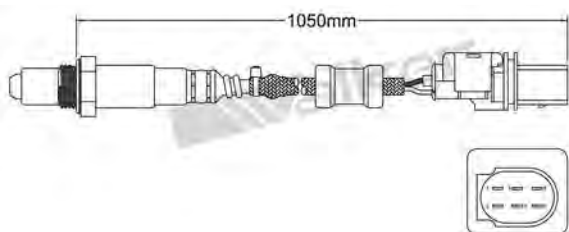
250-25080
VOLKSWAGEN 2002-2004
Linear Wideband Sensor



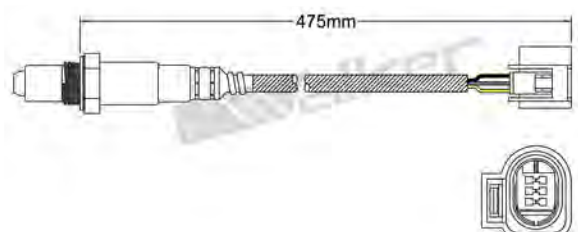
250-25074
MAZDA 2005-up
Linear Wideband Sensor



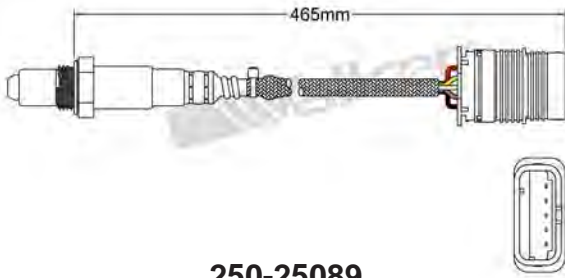
250-25081
AUDI 2010-up
Linear Wideband Sensor



250-25077
AUDI 2003-2008 / SEAT 2004-up
SKODA 2004-2008 / VOLKSWAGEN 2003-up
Linear Wideband Sensor



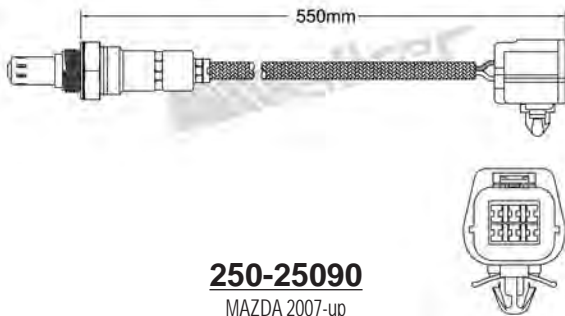
250-25087
BMW 2008-up / MINI 2010-up
Linear Wideband Sensor



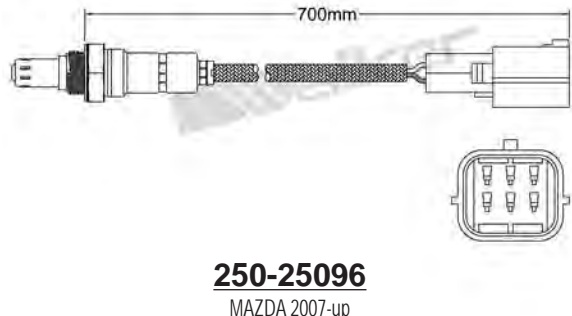
250-25089
BMW 2008-up
Linear Wideband Sensor



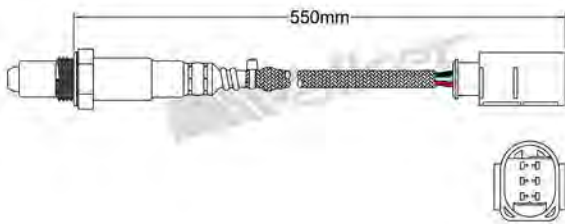
250-25095
CITROEN 2006-up / HYUNDAI 2008-up
KIA 2005-up / MAZDA 2007-up
PEUGEOT 2006-up
Linear Wideband Sensor



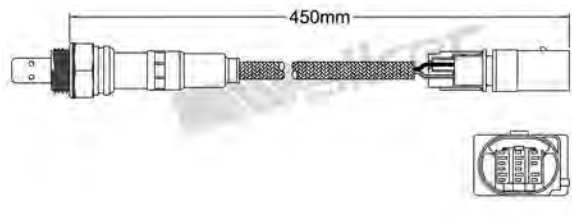
250-25090
MAZDA 2007-up
Linear Wideband Sensor



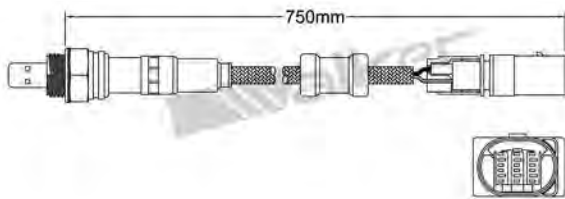
250-25096
MAZDA 2007-up
Linear Wideband Sensor



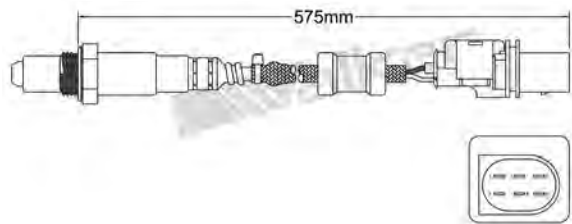
250-25091
MERCEDES 2009-up
Linear Wideband Sensor



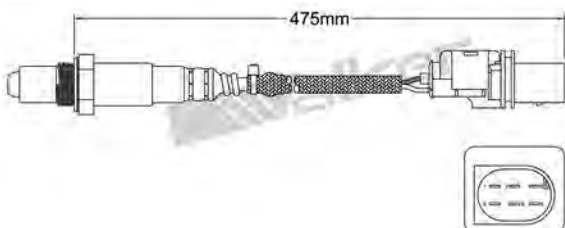
250-25097
MAZDA 2010-up
Linear Wideband Sensor



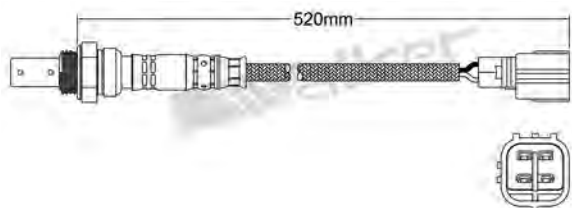
250-25092
AUDI 2010-up / SEAT 2010-up
SKODA 2009-up / VOLKSWAGEN 2005-up
Linear Wideband Sensor



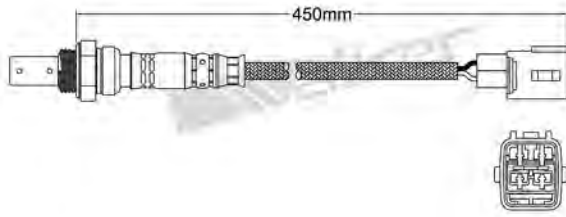
250-25099
VAUXHALL 2008-up
Linear Wideband Sensor



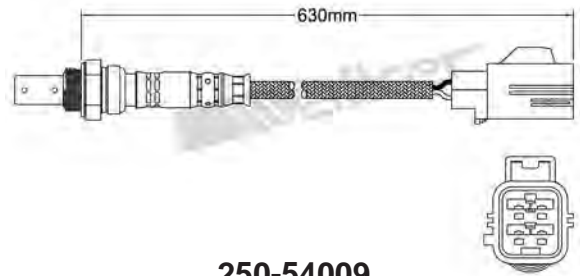
250-25094
MERCEDES 2011-up
Linear Wideband Sensor



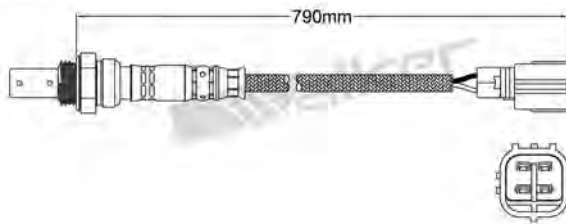
250-54002
SUBARU 2000-2003 / TOYOTA 2000-2006
Air/Fuel Ratio Sensor



250-54003
TOYOTA 2000-2003
Air/Fuel Ratio Sensor



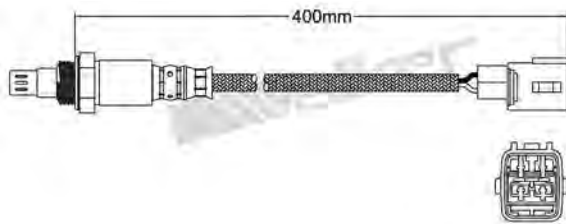
250-54009
VOLVO 2000-2007
Air/Fuel Ratio Sensor



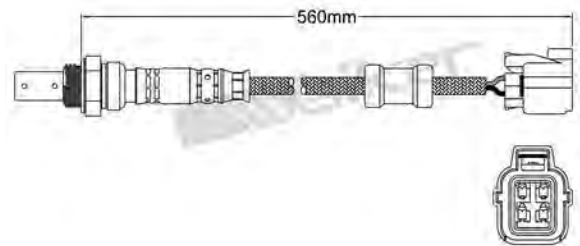
250-54004
SUBARU 2000-up
Air/Fuel Ratio Sensor



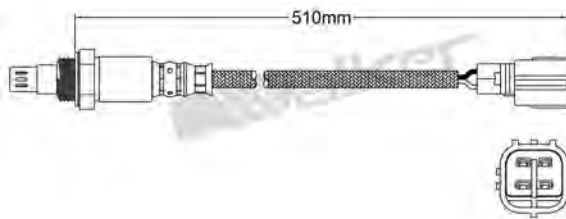
250-54010
VOLVO 1998-2000
Air/Fuel Ratio Sensor



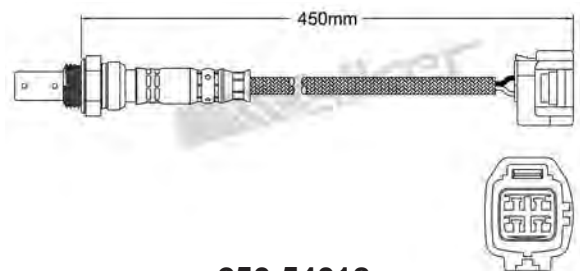
250-54006
LEXUS 2006-2008 / TOYOTA 2003-up
Air/Fuel Ratio Sensor



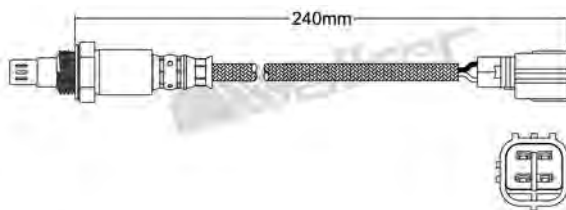
250-54011
SUBARU 2000-up
Air/Fuel Ratio Sensor



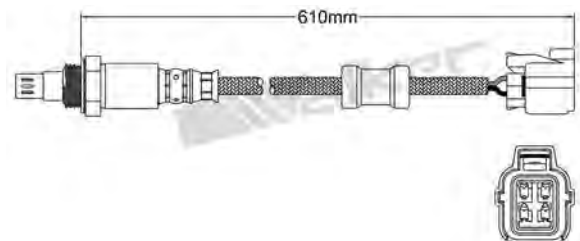
250-54007
LEXUS 2006-2008 / TOYOTA 2003-up
Air/Fuel Ratio Sensor



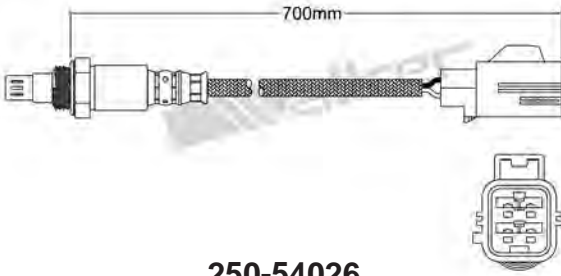
250-54018
JAGUAR 1999-up
Air/Fuel Ratio Sensor



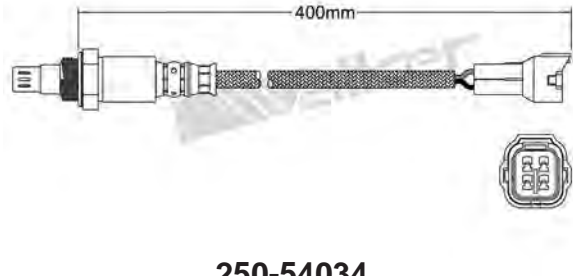
250-54008
LEXUS 2005-2008 / SUBARU 2003-up
TOYOTA 2003-2004
Air/Fuel Ratio Sensor



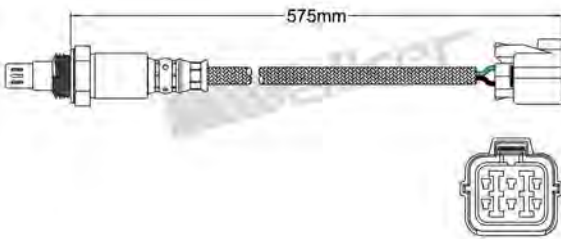
250-54022
HONDA 2003-up
Air/Fuel Ratio Sensor



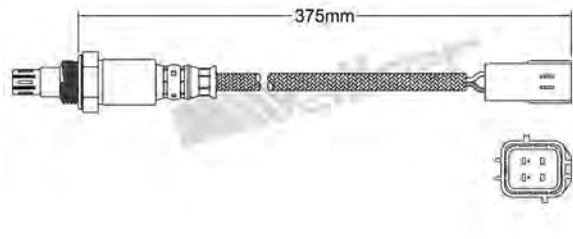
250-54026
VOLVO 2000-up
Air/Fuel Ratio Sensor



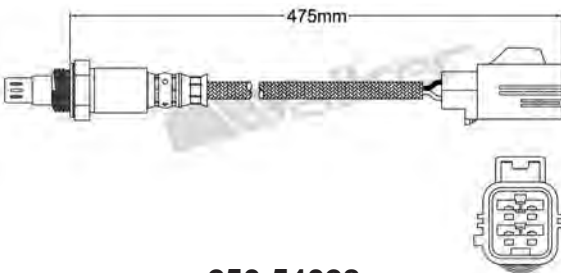
250-54034
SUZUKI 2005-up
Air/Fuel Ratio Sensor



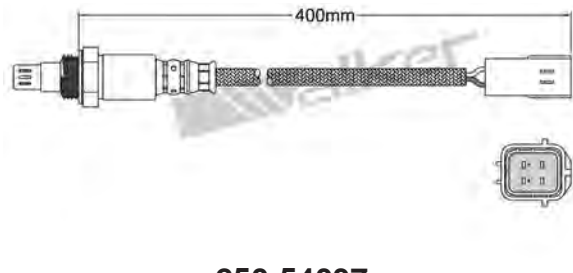
250-54027
SUBARU 2003-up
Air/Fuel Ratio Sensor



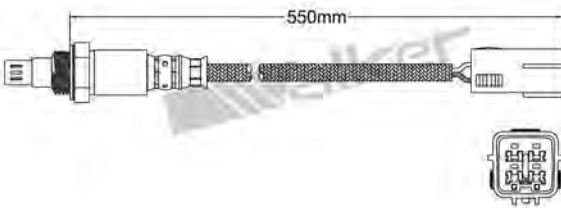
250-54035
NISSAN 2010-up
Air/Fuel Ratio Sensor



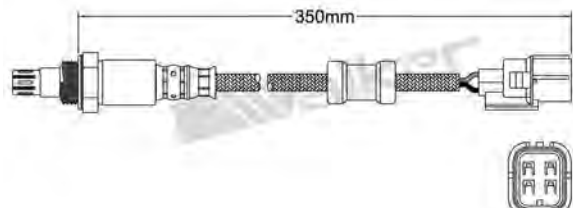
250-54028
VOLVO 2002-2007
Air/Fuel Ratio Sensor



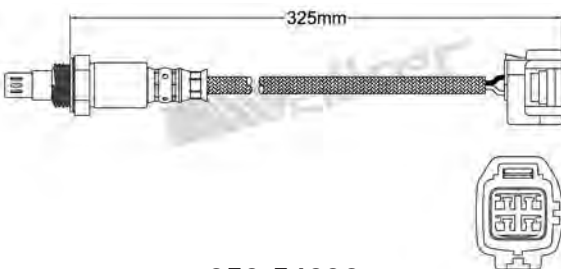
250-54037
NISSAN 2007-up / RENAULT 2008-up
Air/Fuel Ratio Sensor



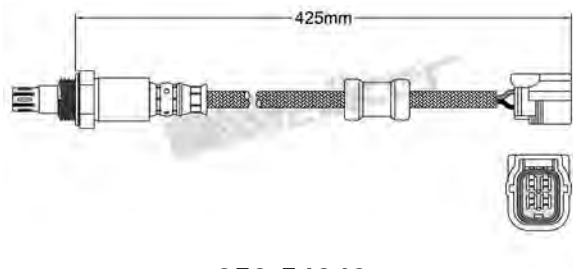
250-54031
MAZDA 2003-up
Air/Fuel Ratio Sensor



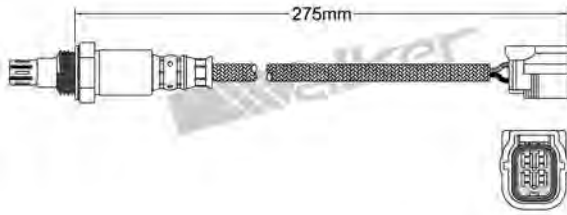
250-54038
HONDA 2008-up
Air/Fuel Ratio Sensor



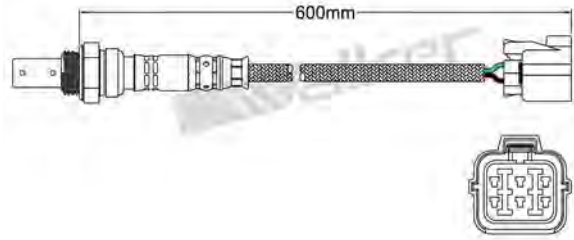
250-54032
JAGUAR 1999-up
Air/Fuel Ratio Sensor



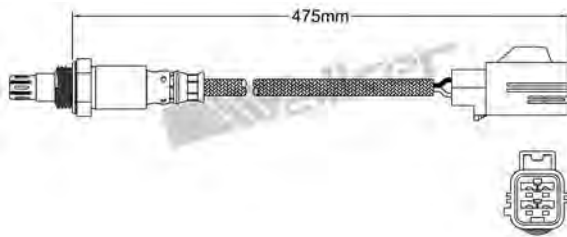
250-54040
HONDA 2006-up
Air/Fuel Ratio Sensor



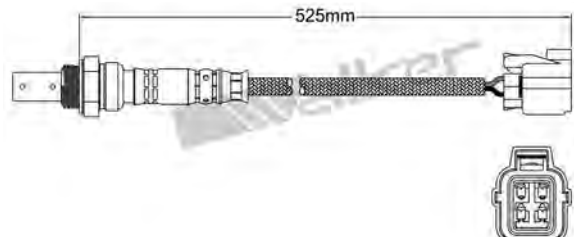
250-54041
HONDA 2005-up
Air/Fuel Ratio Sensor



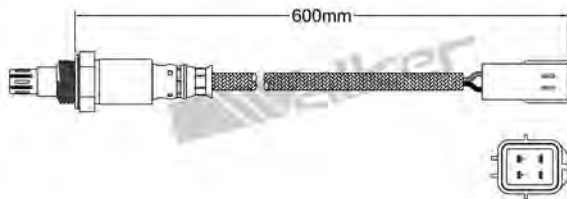
250-54047
SUBARU 2005-2007
Air/Fuel Ratio Sensor



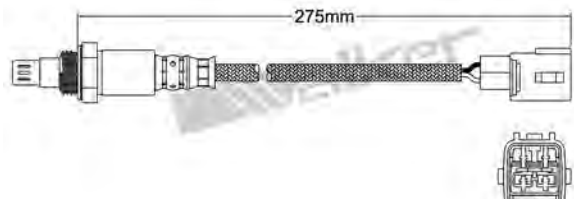
250-54043
LAND ROVER 2006-up / VOLVO 2006-up
Air/Fuel Ratio Sensor



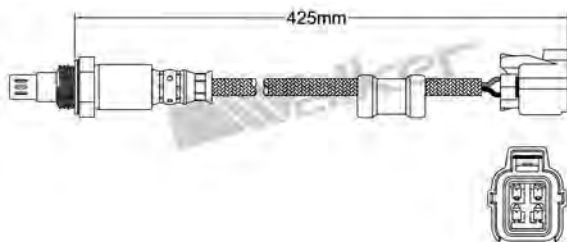
250-54048
SUBARU 2003-up
Air/Fuel Ratio Sensor



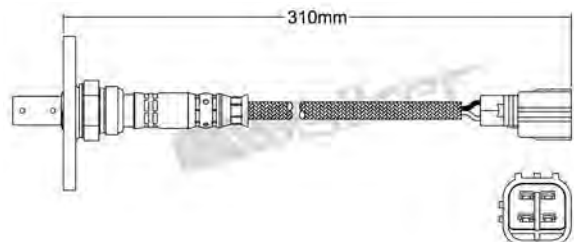
250-54044
MAZDA 2008-2012
Air/Fuel Ratio Sensor



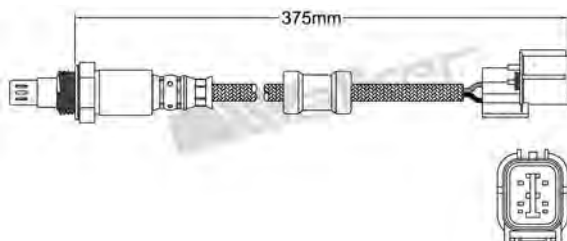
250-54050
LEXUS 2005-up / TOYOTA 2004-up
Air/Fuel Ratio Sensor



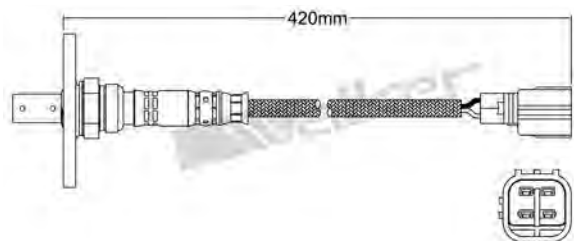
250-54045
HONDA 2005-2007
Air/Fuel Ratio Sensor



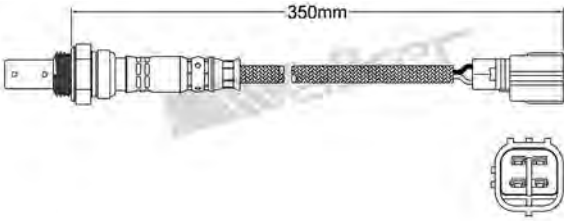
250-54051
TOYOTA 2001-2002
Air/Fuel Ratio Sensor



250-54046
HONDA 2004-2006
Air/Fuel Ratio Sensor

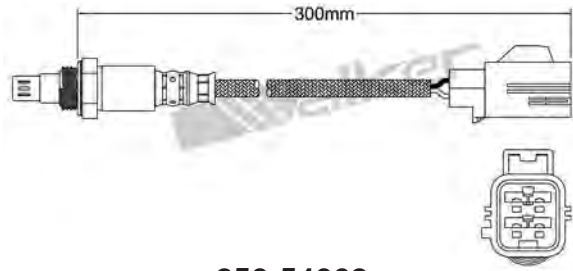


250-54052
TOYOTA 2001-2002
Air/Fuel Ratio Sensor



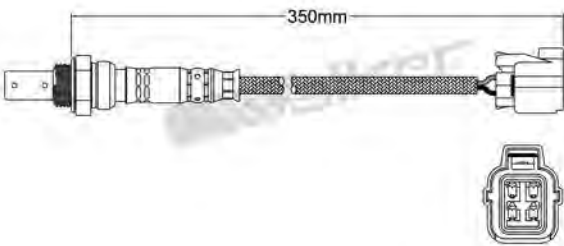
250-54054

LEXUS 2000-2003 / TOYOTA 1999-2001
Air/Fuel Ratio Sensor



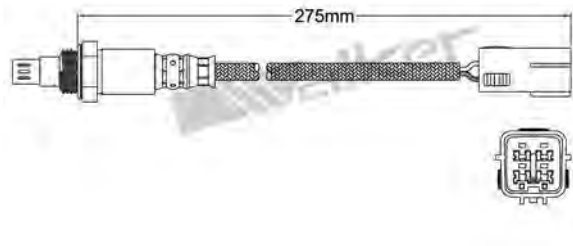
250-54062

LAND ROVER 2005-2009
Air/Fuel Ratio Sensor



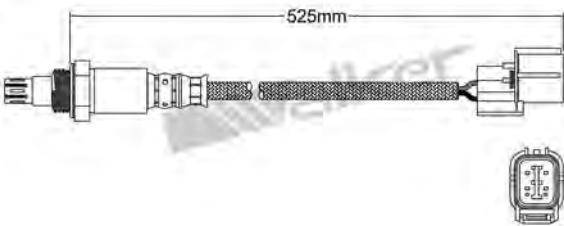
250-54055

HONDA 1998-2002
Air/Fuel Ratio Sensor



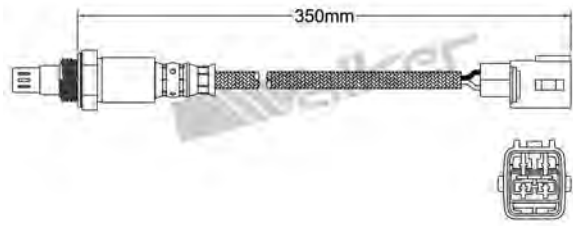
250-54064

SUBARU 2008-up
Air/Fuel Ratio Sensor



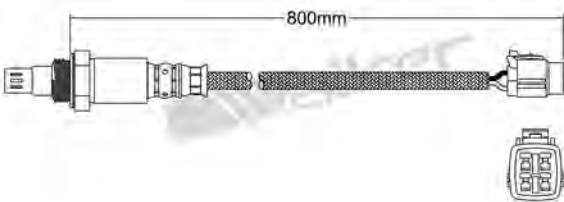
250-54056

HONDA 2004-2009
Air/Fuel Ratio Sensor



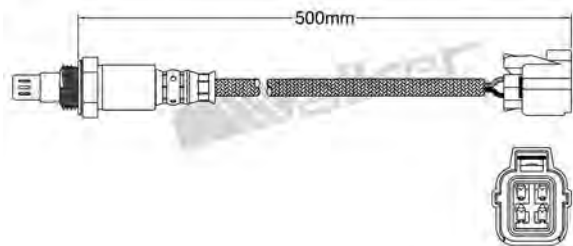
250-54066

TOYOTA 2010-up
Air/Fuel Ratio Sensor



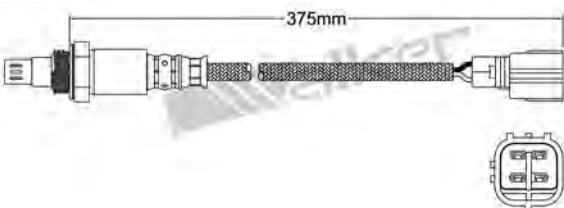
250-54058

SUBARU 2004-up
Air/Fuel Ratio Sensor



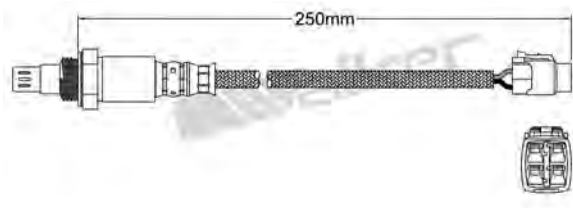
250-54067

SUBARU 2009-up
Air/Fuel Ratio Sensor



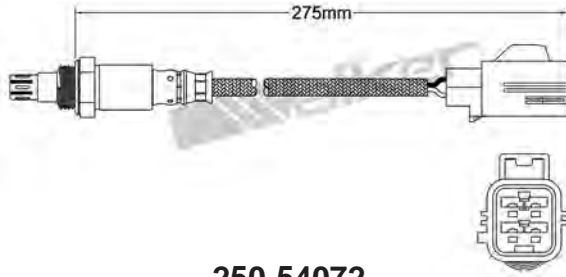
250-54059

LEXUS 2003-2008 / TOYOTA 2001-2006
Air/Fuel Ratio Sensor



250-54071

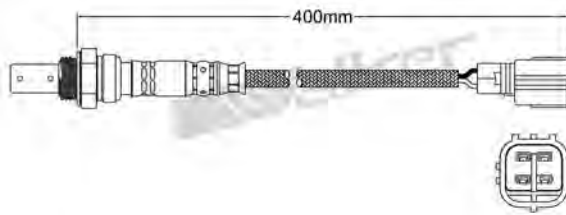
SUZUKI 2010-up
Air/Fuel Ratio Sensor



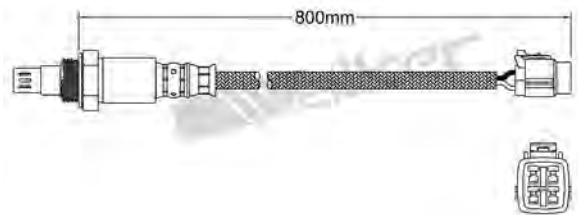
250-54072
LAND ROVER 2009-up
Air/Fuel Ratio Sensor



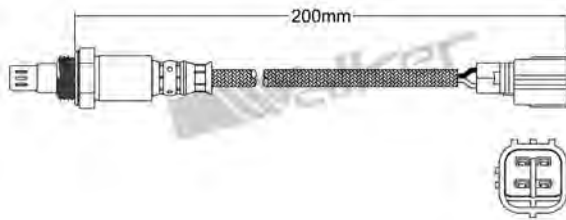
250-54078
TOYOTA 2000-2003
Air/Fuel Ratio Sensor



250-54073
TOYOTA 2000-2003
Air/Fuel Ratio Sensor



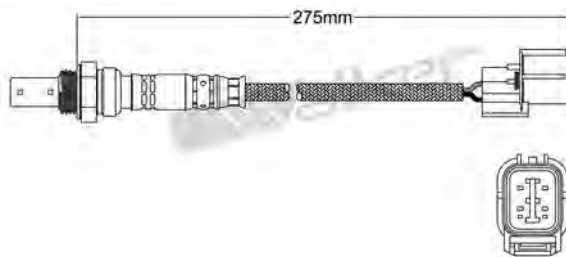
250-54079
SUBARU 2008-up
Air/Fuel Ratio Sensor



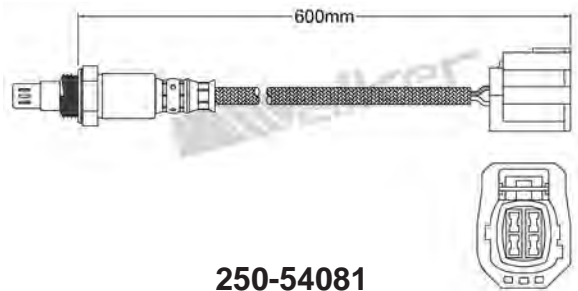
250-54074
TOYOTA 2001-2006
Air/Fuel Ratio Sensor



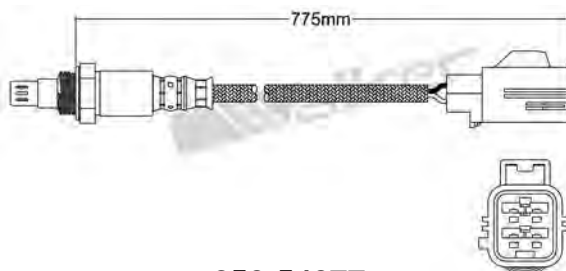
250-54080
MAZDA 2005-up
Air/Fuel Ratio Sensor



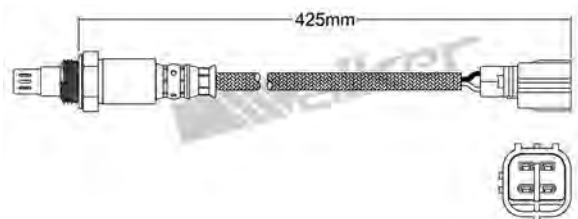
250-54076
HONDA 2004-2004
Air/Fuel Ratio Sensor



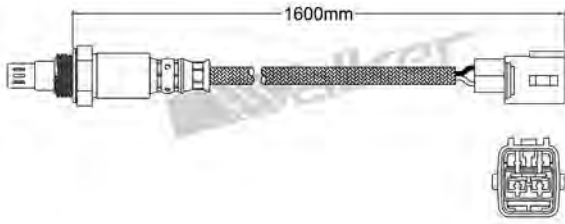
250-54081
MAZDA 2007-up
Air/Fuel Ratio Sensor



250-54077
VOLVO 2006-up
Air/Fuel Ratio Sensor

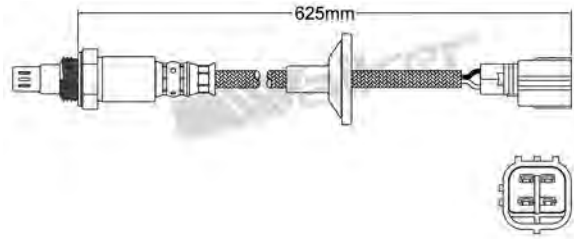


250-54084
LEXUS 2008-up
Air/Fuel Ratio Sensor



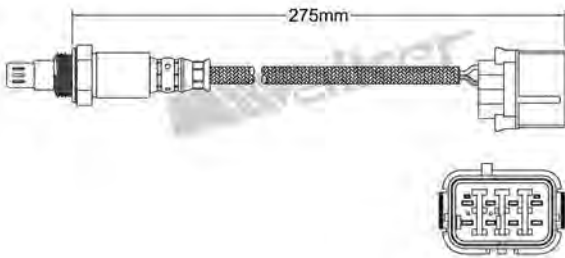
250-54091

OPEL 2007-up / VAUXHALL 2004-2010
Air/Fuel Ratio Sensor



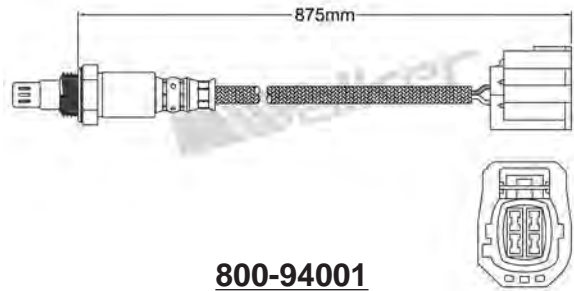
250-54096

LEXUS 2008-up
Air/Fuel Ratio Sensor



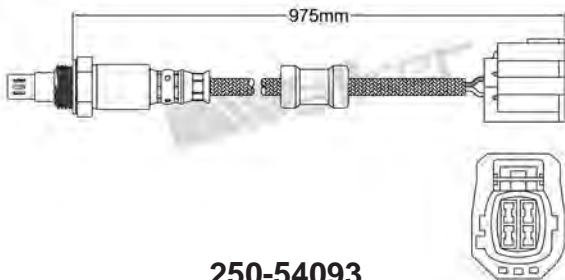
250-54092

SUZUKI 2005-up
Air/Fuel Ratio Sensor



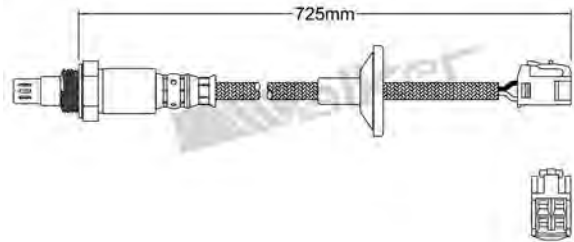
800-94001

MAZDA 2005-up
Linear Sensor



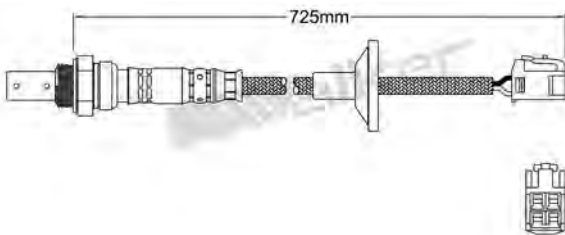
250-54093

HONDA 2007-up
Air/Fuel Ratio Sensor



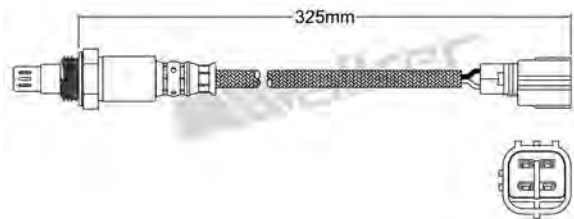
800-94002

TOYOTA 2005-up
Linear Sensor



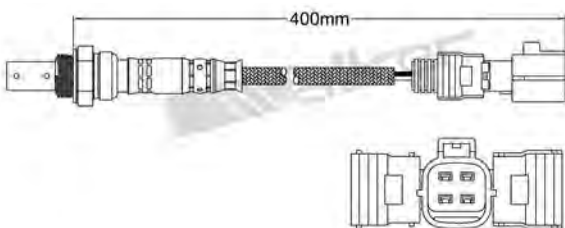
250-54094

TOYOTA 2003-2008
Air/Fuel Ratio Sensor



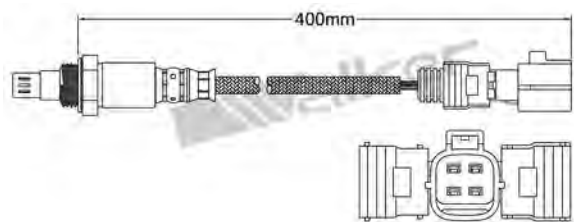
800-94003

TOYOTA 2006-up
Linear Sensor



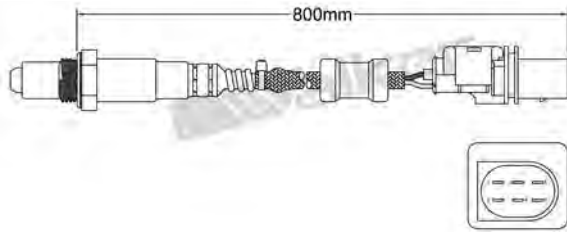
250-54095

TOYOTA 2003-2008
Air/Fuel Ratio Sensor

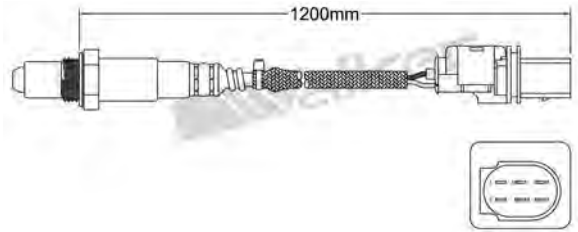


800-94005

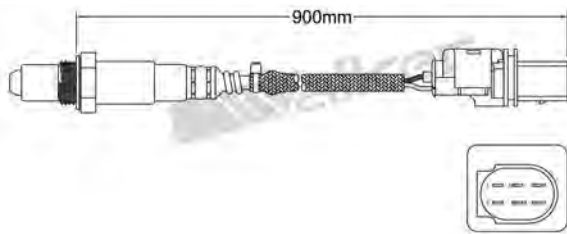
TOYOTA 2005-up
Linear Sensor



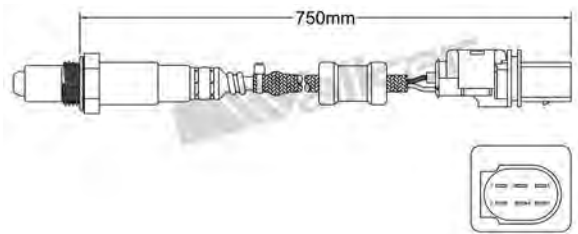
800-95001
VOLKSWAGEN 2003-up
Linear Wideband Sensor



800-95006
AUDI 2004-2009 / VOLKSWAGEN 2004-2010
Linear Wideband Sensor



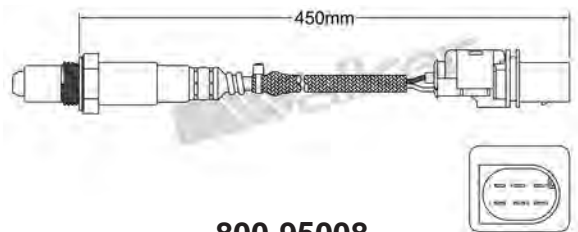
800-95002
AUDI 2003-up
Linear Wideband Sensor



800-95007
AUDI 2004-up / SEAT 2002-up
SKODA 2005-up / VOLKSWAGEN 2004-up
Linear Wideband Sensor



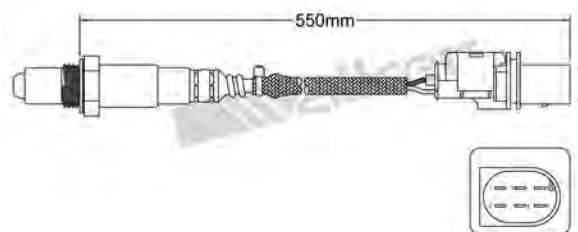
800-95003
CITROEN 2006-2008 / FIAT 2004-up
KIA 2006-up / LANCIA 2004-up
PEUGEOT 2006-2007 / VOLVO 2006-up
Linear Wideband Sensor



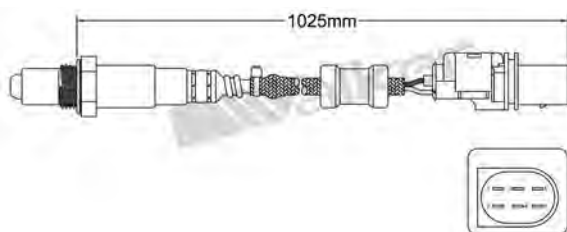
800-95008
BMW 2003-up / MERCEDES 2002-up
MINI 2009-up / MITSUBISHI 2004-up
SMART 2004-up
Linear Wideband Sensor



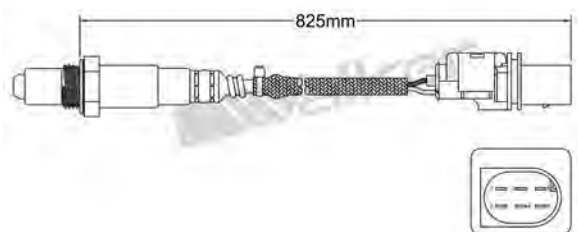
800-95004
ALFA ROMEO 2003-up / AUDI 2005-up
BMW 2006-up / NISSAN 2007-up
RENAULT 2003-up / SEAT 2004-up
SKODA 2005-2010 / VOLKSWAGEN 2004-up
Linear Wideband Sensor



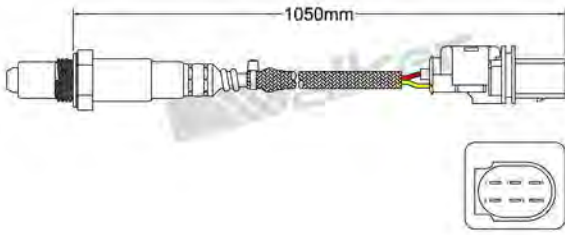
800-95009
BMW 2003-up / CHRYSLER 2002-up
MERCEDES 2005-up
Linear Wideband Sensor



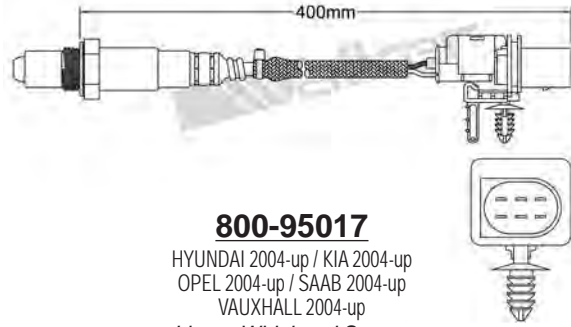
800-95005
VOLKSWAGEN 2001-up
Linear Wideband Sensor



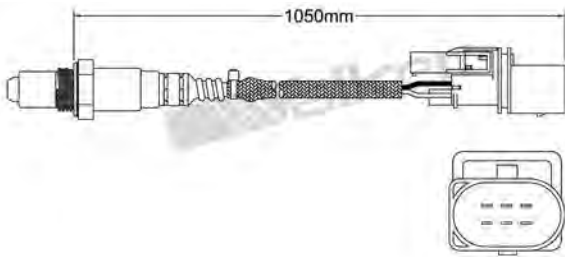
800-95010
MERCEDES 2002-up
Linear Wideband Sensor



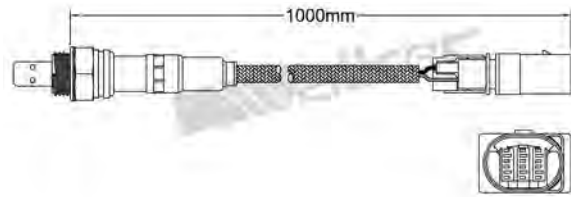
800-95012
VOLKSWAGEN 2004-2006
Linear Wideband Sensor



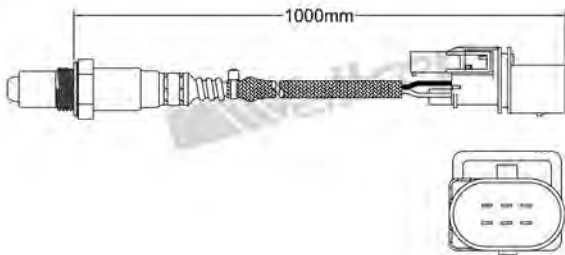
800-95017
HYUNDAI 2004-up / KIA 2004-up
OPEL 2004-up / SAAB 2004-up
VAUXHALL 2004-up
Linear Wideband Sensor



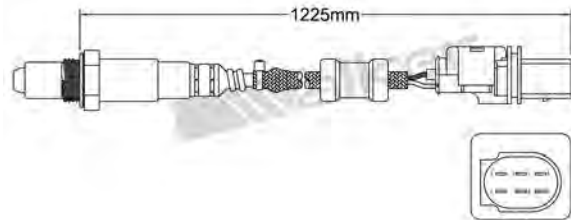
800-95013
VOLKSWAGEN 2002-2004
Linear Wideband Sensor



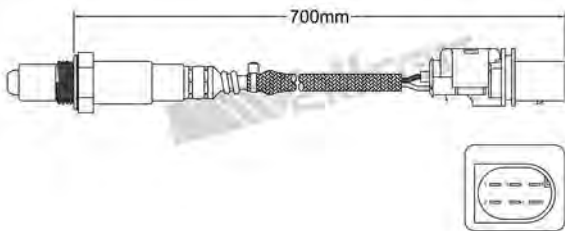
800-95018
AUDI 2006-2008 / OPEL 2005-up
VAUXHALL 2005-up
Linear Wideband Sensor



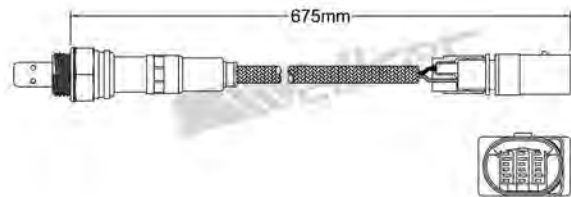
800-95014
VOLKSWAGEN 2002-2004
Linear Wideband Sensor



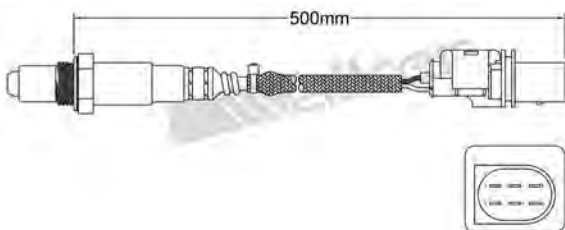
800-95019
AUDI 2004-up / SKODA 2005-2008
Linear Wideband Sensor



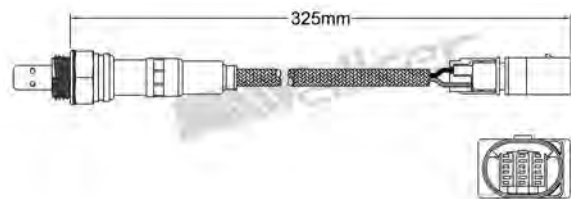
800-95015
MERCEDES 2005-up
Linear Wideband Sensor



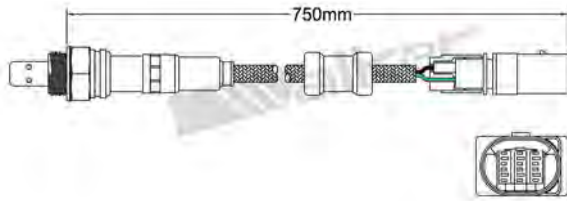
800-95020
FIAT 2005-up
Linear Wideband Sensor



800-95016
AUDI 2005-up / VOLKSWAGEN 2004-up
VOLVO 2001-2007
Linear Wideband Sensor



800-95021
FIAT 2005-up / LANCIA 2006-up
Linear Wideband Sensor



800-95026
VAUXHALL 2008-up
Linear Wideband Sensor





Walker

Walker

Walker



175mm

270-1000
CONNECTS WITH:
250-21001

765 mm

270-1007
CONNECTS WITH:
250-24011, 250-24093
250-24308 250-24346, 250-24347
250-24348 250-24391, 250-24441
250-24473 250-24498, 250-24512

175mm

270-1001
CONNECTS WITH:
250-21020

7.00" (175mm)

270-1008
CONNECTS WITH:
250-24012, 250-24406, 250-24490

175mm

270-1004
CONNECTS WITH:
250-23084, 250-23097, 250-23126

175mm

270-1011
CONNECTS WITH:
250-24067, 250-24068
250-24341, 250-24356
250-24384, 250-24388, 250-24438, 250-24447
250-24475, 250-24627, 250-24628, 250-24818

175mm

270-1005
CONNECTS WITH
250-23085, 250-23095

175mm

270-1012
CONNECTS WITH:
250-23002, 250-24070, 250-24127
250-24301, 250-24302, 250-24701

7.00" (175mm)

270-1006
CONNECTS WITH:
250-23075, 250-23087, 250-23089
250-23093, 250-23104, 250-23109
250-23503, 250-23509, 250-23523

7.00" (175mm)

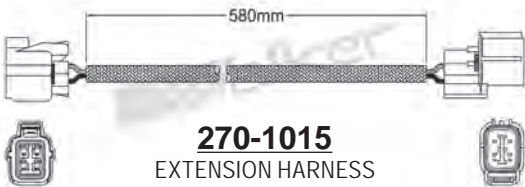
270-1013
CONNECTS WITH:
250-24121, 250-24343, 250-24398, 250-24429
250-24446, 250-24476, 250-24496, 250-24601
250-24620, 250-24621, 250-54011, 250-54022



270-1014

CONNECTS WITH:

- 250-24123, 250-24128, 250-24139
- 250-24245, 250-24365, 250-24369
- 250-24629, 250-24634



270-1015

EXTENSION HARNESS

CONNECTS WITH:

- 250-24011, 250-24093
- 250-24099, 250-24308, 250-24346, 250-24347
- 250-24348, 250-24391, 250-24441, 250-24473
- 250-24498, 250-24578, 250-24760, 250-24761
- 250-24766, 250-24784, 250-54013, 250-54023

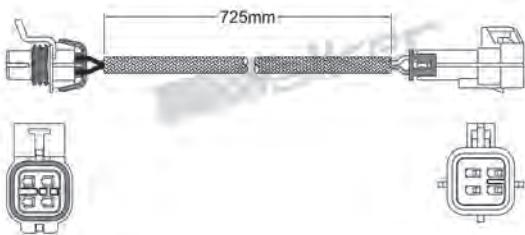


270-1020

EXTENSION HARNESS

CONNECTS WITH:

- 250-24011, 250-24093
- 250-24099, 250-24308, 250-24346, 250-24347
- 250-24348, 250-24391, 250-24441, 250-24473
- 250-24498, 250-24578, 250-24760, 250-24761
- 250-24766, 250-24784, 250-54013, 250-54023



270-1021

EXTENSION HARNESS

CONNECTS WITH:

- 250-24018, 250-24706



270-1022

EXTENSION HARNESS

CONNECTS WITH:

- 250-24001, 250-24070
- 250-24301, 250-24302, 250-24701
- 250-24749, 250-24793, 250-24858

NOTE: LOCATING TABS ON MALE
OE CONNECTOR MUST BE REMOVED.





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88-823

Lambda Sensor Socket

Standard Lambda Sensors
6 Point With 25/32" Wire Opening
Fits 7/8" or 22mm 3/8" Drive



88-830

Lambda Sensor Wrench

12 & 6 Point 2 1/8" Offset



Includes a 12 point and 6 point socket giving the technician the ultimate tool to remove Lambda Sensors in confined areas.

The 12 point side enables the technician twice the number of clock angle attachment positions. This gives the technician the maximum accessibility to remove Lambda Sensors in difficult areas.

The 6 point side provides the technician the maximum holding power for Lambda Sensors that are corroded in place.

The new beefy design is 25% stronger.

Fits with all configurations of Lambda Sensor wire/connectors.

Designed with additional offset enabling use on LTI Gen II 5.7L HO MPFI V-8 found in the 1992 and later Chevrolet Corvette, 1993 and later Camaro and 1993 and later Pontiac Firebird / Trans Am also 1989 and later Corvette ZR1 with the LT5 5.7L DOHC SFI V-8

88-829

Lambda Sensor Wrench

12 & 6 Point



Includes a 12 point and 6 point socket giving the technician the ultimate tool to remove Lambda Sensors in confined areas.

The 12 point side enables the technician twice the number of clock angle attachment positions. This gives the technician the maximum accessibility to remove Lambda Sensors in difficult areas.

The 6 point side provides the technician the maximum holding power for Lambda Sensors that are corroded in place.

The new beefy design is 25% stronger.

Fits with all configurations of Lambda Sensor wire/connectors.

88-831

Lambda Sensor Wrench

Shielded Applications



This unique tool has been designed to R&R shielded Lambda Sensors currently found on Toyota and Lexus vehicles.

The depth and outer diameter of the socket are critical features enabling it to fit in the limited space of the heat shield.

This tool features a 12 point double hex enabling the technician twice the number of clock angle attachment positions versus a 6 point design. For maximum strength this tool is forged chromolly steel and comes in a black finish.



88-832

**Lambda Sensor Bung
Thread Repair Kits**

Includes: 1 Tap, 1 Insert Tool, 6 Repair Inserts



88-835

Lambda Sensor Wrench

6 Point 3/8" Drive
1.2" Overall Depth



The 6 point side provides the technician the maximum holding power for Lambda Sensors that are corroded in place.

Fits with all configurations of Lambda Sensor wire connectors.

88-836

Lambda Sensor Socket

Standard Lambda Sensors
6 Point With 9/32" Wire Opening
Fits 7/8" or 22mm 3/8" Drive



88-833

**Lambda Sensor
Bung Insert Kit**

Includes: 6- Repair Inserts



88-834

Lambda Sensor Wrench

Standard Lambda Sensors
Fits 7/8" or 22mm 2" Overall Depth



88-837

Lambda Sensor Chaser

M18x1.5 Thread Chaser 3/8" Drive





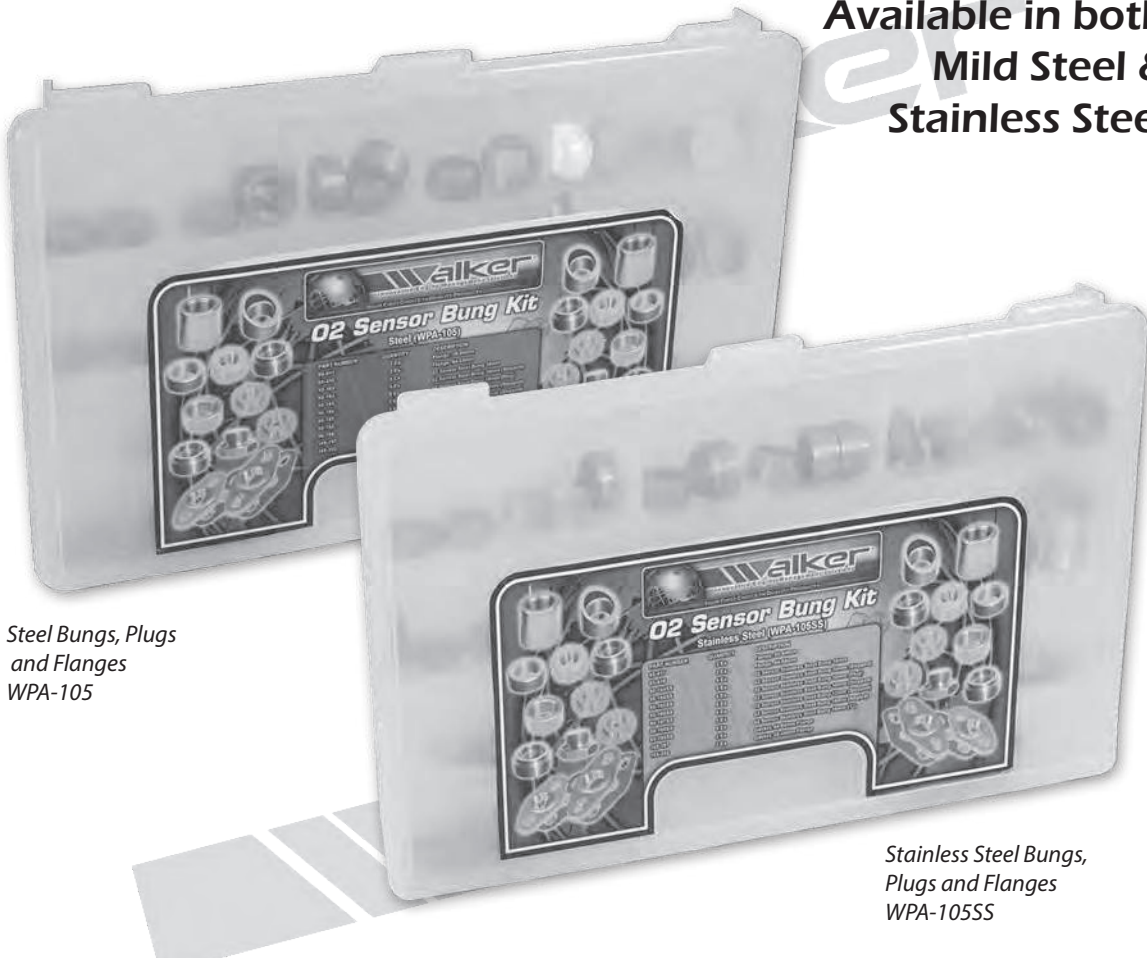
 <p>90-186 Lambda Sensor Bung - Stepped 1215 Mild Steel 10mm Threads 0.980" OD x 0.735" Step x 0.320" Thick</p>	 <p>90-186SS Lambda Sensor Bung - Stepped 303 Stainless Steel 10mm Threads 0.980" OD x 0.735" Step x 0.320" Thick</p>	 <p>90-187 Lambda Sensor Bung - Stepped 1215 Mild Steel 12mm Threads 0.985" OD x 0.740" Step x 0.315" Thick</p>	 <p>90-187SS Lambda Sensor Bung - Stepped 303 Stainless Steel 12mm Threads 0.985" OD x 0.740" Step x 0.315" Thick</p>
 <p>90-189 Lambda Sensor Bung 1215 Mild Steel 12mm Threads 1.0" OD x 0.500" Thick</p>	 <p>90-189SS Lambda Sensor Bung 303 Stainless Steel 12mm Threads 1.0" OD x 0.500" Thick</p>	 <p>90-164 Lambda Sensor Bung 1215 Mild Steel 18mm Threads 1.0" OD x 0.400" Thick</p>	 <p>90-164SS Lambda Sensor Bung 303 Stainless Steel 18mm Threads 1.0" OD x 0.400" Thick</p>
 <p>90-164SS-C Lambda Sensor Bung w/Curve 303 Stainless Steel 18mm Threads 1.0" OD x 0.400" Thick</p>	 <p>90-199 Lambda Sensor Bung 1215 Mild Steel 18mm Threads 1.0" OD x 0.500" Thick</p>	 <p>90-199SS Lambda Sensor Bung 303 Stainless Steel 18mm Threads 1.0" OD x 0.500" Thick</p>	 <p>90-184 Lambda Sensor Bung - Stepped 1215 Mild Steel 18mm Threads 1.0" OD x 0.875" Step x 0.530" Thick</p>
 <p>90-184SS Lambda Sensor Bung - Stepped 303 Stainless Steel 18mm Threads 1.0" OD x 0.875" Step x 0.530" Thick</p>	 <p>90-207SS-C Lambda Sensor Bung w/Curve 303 Stainless Steel 18mm Threads 0.985" OD x 0.550" Thick</p>	 <p>90-206SS-C Lambda Sensor Bung 62° Angle w/Curve, 303 Stainless Steel 18mm Threads 0.985" OD x 0.824" Thick</p>	 <p>90-190 Lambda Sensor Bung - 62° Angle 1215 Mild Steel 18mm Threads 1.0" OD x 0.975" Thick</p>
 <p>90-190SS Lambda Sensor Bung - 62° Angle 303 Stainless Steel 18mm Threads 1.0" OD x 0.975" Thick</p>	 <p>90-195 Lambda Sensor Bung 1215 Mild Steel 18mm Threads 1.0" OD x 1.000" Thick</p>	 <p>90-195SS Lambda Sensor Bung 303 Stainless Steel 18mm Threads 1.0" OD x 1.000" Thick</p>	 <p>90-195SS-C Lambda Sensor Bung w/Curve 303 Stainless Steel 18mm Threads 1.0" OD x 1.000" Thick</p>
 <p>90-203 Bung Plug - Internal 6mm Hex 1215 Mild Steel 12mm Threads 0.625" OD x 0.400" Thick</p>	 <p>90-203SS Bung Plug - Internal 6mm Hex 303 Stainless Steel 12mm Threads 0.625" OD x 0.400" Thick</p>	 <p>90-204 Lambda Sensor Bung Plug 1215 Mild Steel 12mm Threads 0.625" Hex. 0.570" Thick</p>	 <p>90-204SS Lambda Sensor Bung Plug 303 Stainless Steel 12mm Threads 0.625" Hex. 0.570" Thick</p>
 <p>90-200 Bung Plug - Internal 8mm Hex 1215 Mild Steel 18mm Threads 0.875" OD x 0.510" Thick</p>	 <p>90-200SS Bung Plug - Internal 8mm Hex 303 Stainless Steel 18mm Threads 0.875" OD x 0.510" Thick</p>	 <p>90-185 Lambda Sensor Bung Plug 1215 Mild Steel 18mm Threads 1.0" Hex 0.650" Thick</p>	 <p>90-185SS Lambda Sensor Bung Plug 303 Stainless Steel 18mm Threads 1.0" Hex 0.650" Thick</p>

Note: All parts listed on this page are available in a box of five pieces. The part number for a box of five will have a "P" suffix. Example: 90-185P or 90-187SSP



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Custom Bung & Plug Kits Available!

What is included:

WPA-105SS

PART NUMBER	QUANTITY	DESCRIPTION
85-417	2 Ea	Flange, 38-44mm
85-418	2 Ea	Flange, 44-54mm
90-164SS	5 Ea	Stainless Steel Bung 18mm
90-184SS	5 Ea	Stainless Steel Bung 18mm (Stepped)
90-185SS	5 Ea	Stainless Steel Bung 18mm (Plug)
90-186SS	5 Ea	Stainless Steel Bung 10mm (Stepped)
90-187SS	5 Ea	Stainless Steel Bung 12mm (Stepped)
90-190SS	5 Ea	Stainless Steel Bung 18mm (Angled)
90-195SS	5 Ea	Stainless Steel Bung 18mm (1")
165-197	2 Ea	Gasket, 44-54mm Flange
165-202	2 Ea	Gasket, 38-44mm Flange

WPA-105

PART NUMBER	QUANTITY	DESCRIPTION
85-417	2 Ea	Flange, 38-44mm
85-418	2 Ea	Flange, 44-54mm
90-164	5 Ea	Steel Bung 18mm
90-184	5 Ea	Steel Bung 18mm (Stepped)
90-185	5 Ea	Steel Bung 18mm (Plug)
90-186	5 Ea	Steel Bung 10mm (Stepped)
90-187	5 Ea	Steel Bung 12mm (Stepped)
90-190	5 Ea	Steel Bung 18mm (Angled)
90-195	5 Ea	Steel Bung 18mm (1")
165-197	2 Ea	Gasket, 44-54mm Flange
165-202	2 Ea	Gasket, 38-44mm Flange

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saleseurope@walkerproducts.com

Oficinas para Mexico: +52-72-2402-2167

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