



OXYGEN SENSOR CATALOG

A detailed image of an oxygen sensor with a braided metal tip and a grey electrical connector. The sensor is positioned diagonally across the center. Below it is a circular seal with a globe in the center. The seal contains the text: "100% OEM BASED OXYGEN SENSOR PROGRAM" and "OE FIT, FORM AND FUNCTION". Surrounding the seal are four labels: "Air-Fuel Ratio" (top left), "Wide Band" (top right), "Planar" (bottom left), and "Titania" (bottom right).

1988	2.5 L6	M20	From 9/87	250-2403	
1988	2.5 L6	M20	To 9/87	250-24110	
	325xi				
2005-2001	2.5 L6	M54		Cyl 1-3 250-24611	250-24611
				Cyl 4-6 250-24611	250-24611
2006	3.0 L6	N52	From 11/2005	Cyl 1-3 250-25018	250-247
			From 11/2005	Cyl 4-6 250-25046	250-244
2006	3.0 L6	N52	To 11/2005	Cyl 1-3 250-25042	250-247
			To 11/2005	Cyl 4-6 250-25042	250-244
	2.5 L6	M52		Cyl 1-3 250-24611	250-24611
				Cyl 4-6 250-24611	250-24611
	2.0 L4	N20B20A, N26B20A		250-25089	250-2410
	2.8 L6	M52		Cyl 1-3 250-24611	250-24611
				Cyl 4-6 250-24611	250-24611
1998-1996	2.8 L6	M52		Cyl 1-3 250-24610	250-248
				Cyl 4-6 250-24610	250-248
2013-2007	3.0 L6	N51B30A, N52		Cyl 1-3 250-25018	250-247
				Cyl 4-6 250-25046	250-244
	328is				
1999-1996				Cyl 1-3 250-24810	250-248
				Cyl 4-6 250-24810	250-248
	328i xci				
2013	2.0 L4	N20B20A		250-25089	250-2410
2013-2009	3.0 L6	N51B30A, N52		Cyl 1-3 250-25018	250-247
				Cyl 4-6 250-25046	250-244
		N51B30A		Cyl 1-3 250-25018	250-247
				Cyl 4-6 250-25046	250-244
		M54		Cyl 1-3 250-25016	250-246
				Cyl 4-6 250-25016	250-246
		M54		Cyl 1-3 250-25016	250-246
				Cyl 4-6 250-25016	250-246
				Cyl 1-3 250-24611	250-243
				Cyl 4-6 250-24611	250-243
				Cyl 1-3 250-24611	250-243
				Cyl 4-6 250-24611	250-243
				Cyl 1-3 250-25018	250-247
				Cyl 4-6 250-25046	250-244



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Check Out Our Products!

- Carburetion Repair Kits and Accessories
- Fuel Injection Repair Kits and Accessories
- Oxygen Sensors, Bungs and O2 Tools
- Ignition Wire Sets
- Coil-On-Plug Boots
- Ignition Coils
- Coil-On-Plug
- Exhaust Gas Temperature Sensors
- Engine Management Components:
ACT Sensors, ECT Sensors, Cam and Crankshaft Position Sensors,
EGR Valve Position Sensors, EGR Valve Pressure Sensors,
MAP Sensors, MAF Sensors, Throttle Position Sensors,
EGR Valves, IAC Motors, TABPV, Fuel Pressure Regulators,
TBI and Port Fuel Injectors, Fuel Seal Repair Kits and
High Temperature Sensors.



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Table of Contents

PROGRAM GUIDE.....Pages 1 - 8

APPLICATION GUIDE..... Pages 9 - 202

UNIVERSAL FIT BUYER'S GUIDEPages 203 - 204

DIRECT FIT BUYER'S GUIDEPages 205 - 330

REPAIR HARNESESPages 331 - 332

TOOLS & ACCESSORIES.....Pages 333 - 336



Our catalogs have been carefully compiled & checked with vehicle manufacturer's parts information. These catalogs 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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Catalog Guide

HOW TO USE THIS CATALOG

The Walker Oxygen Sensor Catalog contains six reference sections including:

PROGRAM GUIDE:

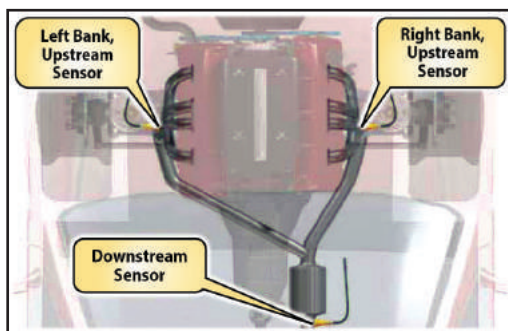
The Program Guide contains a complete direct fit part number listing and information relevant to the design of that part. The universal cross-reference is also part of this guide.

BUYER'S GUIDE:

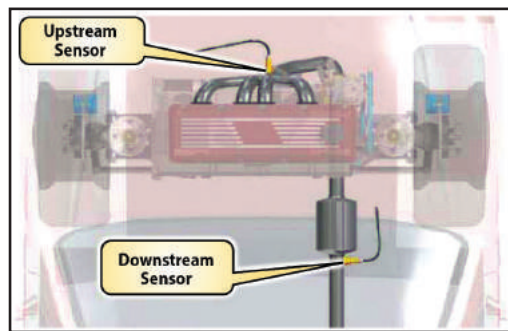
The Universal and Direct Fit Buyer's Guide contains oxygen sensor technical line drawings that include the length of the sensor in inches and millimeters.

APPLICATION GUIDE:

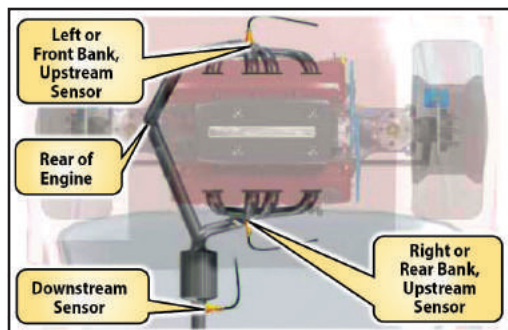
The Application Guide is consolidated by make, model year, engine size, etc. Specific vehicle information is required including engine type and location of the oxygen sensor. The illustrations below should assist with terms, determining engine type and typical locations related to common engine mounting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



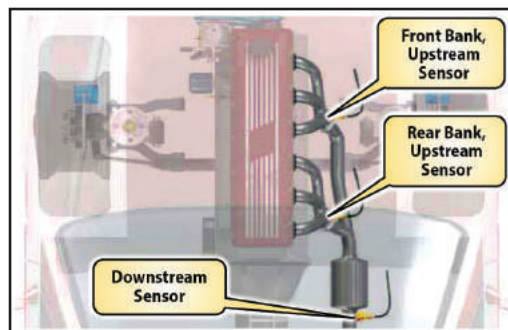
V6, V8, V10 & V12 *



L4 & L6 - TRANSVERSE *



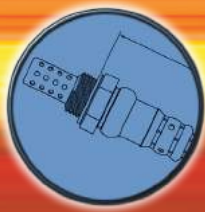
V6 & V8 - TRANSVERSE *



L4 & L6 *

*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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Index of Abbreviations

2WD	- Two Wheel Drive Vehicle
4 Matic	- Mercedes Benz 4Matic Transmission
4WD	- Four Wheel Drive Vehicle
A/T	- Automatic Transmission
AELS	- Landrover Advanced Evaporative Emissions Loss System
AWD	- All Wheel Drive Vehicle
Bi-Fuel	- Dual Fuel Vehicle
CA Series	- Nissan Clean Air Series
Calif-ESV	- California Emission Standards Vehicle
CNG	- Compressed Natural Gas
Desg.	- Designation
DOHC	- Dual Overhead Camshafts
DTC	- Diagnostic Trouble Codes
ECU	- Engine Control Unit
EGR	- Exhaust Gas Recirculation
Exc.	- Except
FI	- Fuel Injection
FWD	- Front Wheel Drive Vehicle
Gen.	- Generation
GVW	- Gross Vehicle Weight
LEV	- Low Emissions Vehicle
LLE	- Low Level Emissions
M/T	- Manual Transmission
MIL	- Malfunction Indicator Lamp
Non-Calif ESV	- Federal or Non-California Emission Standards Vehicle
OEM	- Original Equipment Manufacture/er
Downstream	- After the Catalytic Converter
Upstream	- Before the 1st Catalytic Converter
PCM	- Powertrain Control Module
PZEV	- Partial Zero Emission Vehicle
REQ	- Required
RWD	- Rear Wheel Drive Vehicle
SOHC	- Single Overhead Camshaft
SULEV	- Super Ultra Low Emissions Vehicle
TDI	- Turbo Direct Injection
TLEV	- Transitional Low Emission Vehicle
Trans.	- Transmission
Turbo	- Turbocharged
ULEV	- Ultra Low Emissions Vehicle
VIN	- Vehicle Identification Number
VTEC	- Honda Variable Valve Timing and Lift Electronic Control

To determine if your particular application is a Calif
ESV or Non-Calif ESV, inspect the vehicle engine
compartment for an emission specifications tag
illustrated in the examples to the right.



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Walker®

Oxygen Sensors...

**IMPROVED
ENGINE
RESPONSE &
PERFORMANCE**

**LOWER
EMISSIONS**

**IMPROVED FUEL
ECONOMY**

**LONGER
SENSOR LIFE**

**MEETS OEM
SPECIFICATIONS**

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

**100% OEM
QUALITY**



The oxygen 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 oxygen 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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Technical Recommendations

MALFUNCTIONING AND FAILED SENSORS

Oxygen 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 an oxygen sensor. Over-the-counter fuel additives, which are not "oxygen sensor safe" can also kill an oxygen sensor.

Failures can occur either instantaneously at the time the contaminant contacts the oxygen 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" oxygen 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" oxygen 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 an oxygen sensor problem until it is too late, and the catalytic converter is already well on its way to failure.

PREVENTATIVE MAINTENANCE

One-wire and two-wire "unheated" type oxygen sensors should be checked or replaced every 30,000 miles. 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 oxygen 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 oxygen sensors should be checked or replaced every 60,000 miles.

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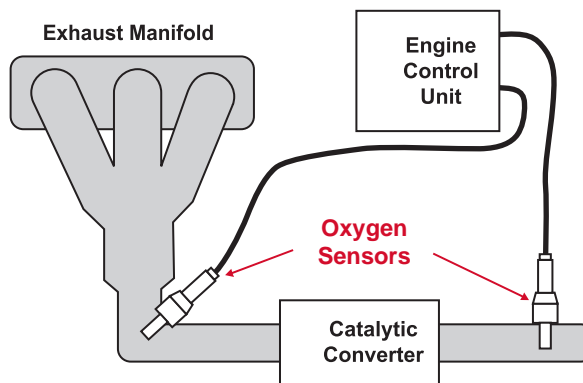


What is the Life Expectancy of an Oxygen Sensor?

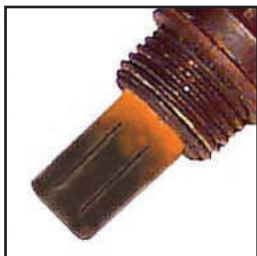
The life expectancy of an oxygen sensor is approximately 30,000 miles for unheated sensors and 60,000 miles for heated sensors. Even under normal operating conditions, oxygen sensors must endure a constant barrage of harmful exhaust gases, extreme heat and high velocity particulates. Longevity of oxygen sensors in older vehicles may be reduced due to worn piston rings and valves.

Sometimes oxygen sensors can become contaminated by coolant, oil or silicone particulates. Oxygen sensors exposed to these contaminants will not operate as designed. Although sensors in some applications can remain serviceable up to 90,000 miles, the effectiveness of oxygen sensors will inevitably decrease over time.

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



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



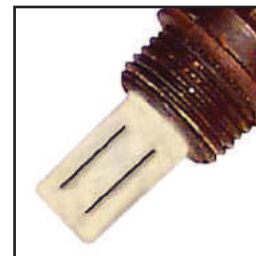
Lead Poisoning



Ethylene Glycol (Antifreeze) Contamination



Rich Fuel Mixture



Silicone Poisoning

REPLACE FOR BETTER PERFORMANCE AND A CLEANER ENVIRONMENT

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Diagnostic Trouble Codes

DTC CODES

When oxygen 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.

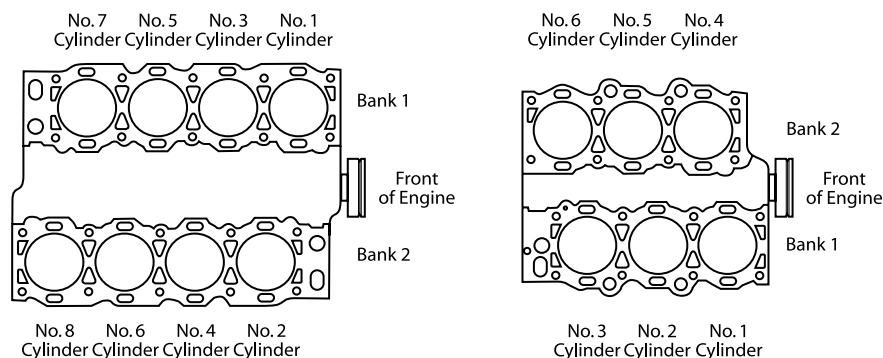
The scan tools or code readers speak OBD II language, meaning the references to the engine are coded.

B1 = Bank 1, B2 = Bank 2. When applying OBD II to oxygen 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 upstream position and Sensor 2 would typically be the downstream position. In some instances, Sensor 2 can be upstream making Sensor 3 downstream.

TYPICAL ENGINE BANK IDENTIFICATION:



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Date of Manufacture Notice

Installing an incorrect part may yield unexpected results such as poor performance or damage to the vehicle. Before ordering, please determine the date of manufacture of the vehicle as this may be crucial to matching the right part. The date of manufacture may be found on the door jamb sticker. Three examples are provided for illustration purposes only.

Month & Year: March, 2006

MFD. BY: TOYOTA MOTOR CORPORATION
 GVWR: 2525KG (5570LB)
 GAWR: FRT. 1180KG (2600LB) WITH P265/70R17 TIRES.
 17X7 1/2J RIMS. AT 220KPA (32PSI) COLD.
 RR. 1380KG (3040LB) WITH P265/70R17 TIRES.
 17X7 1/2J RIMS. AT 220KPA (32PSI) COLD.
 THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR
 VEHICLE SAFETY AND THEFT PREVENTION STANDARDS IN EFFECT ON
 THE DATE OF MANUFACTURE SHOWN ABOVE.
 JTEBU11FX70009056 MPV

03/06

C/TR: 2JU/FA11 GSJ15L - GKFSKA 861 A
 A/TM: A02A/RA61F MADE IN JAPAN

Manufacturing Data
(found on driver's side doorjamb)

Month & Year: August, 2014

MFD BY CHRYSLER GROUP LLC
 DATE OF MFR (BUILT): 8-14 GVWR: 2541 KG 5600 LB
 GAWR FRONT: 1248 KG 2750 LB WITH P225/65R17 TIRES
 17X6.5 RIMS AT 250 KPA (36 PSI) COLD
 GAWR REAR: 1339 KG 2950 LB WITH P225/65R17 TIRES
 17X6.5 RIMS AT 250 KPA (36 PSI) COLD

THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S.A. FEDERAL MOTOR VEHICLE SAFETY AND
 THEFT PREVENTION STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.
 VIN: 3C4PDDBG5FT526088 TYPE: MPV MDH: 000502 127AA
 VEHICLE MADE IN MEXICO PAINT: PPS TRIM: E7X9

Manufacturing Data
(found on driver's side doorjamb)

Month & Year: October, 2000

MFD. BY FORD MOTOR CO. DATE: 10/00 GVWR: 6700LB / 3039KG
 FRONT GAWR: 3240LB 1469KG REAR GAWR: 3800LB 1723KG
 WITH P235/75R15XL TIRES WITH P235/75R15XL TIRES
 15X6.0J RIMS AT 283 kPa/41 PSI COLD AT 283 kPa/41 PSI COLD

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE
 SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.
 VIN: 1FTRE142X1HA44293 TYPE: TRUCK

EXT. PNT: YZ RC: 24 DSO: 1E412 F0054
 WB/ BRK INT TR TP/PS R AXLE TR SPR GC DOA T0809
 138 C A2 7 19 U ULC ULC vF8UB-3520472-AB
 MADE IN U.S.A.

Manufacturing Data
(found on driver's side doorjamb)

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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	Unheated Sensor	1	210	Universal	250-23004	Heated Sensor	3	390	250-23000
250-21001	Unheated Sensor	1	370	250-21000	250-23005	Heated Sensor	3	325	No Univ.
250-21002	Unheated Sensor	1	175	250-21000	250-23007	Heated Sensor	3	480	250-23000
250-21003	Unheated Sensor	1	175	250-21000	250-23011	Heated Sensor	3	325	250-23000
250-21004	Unheated Sensor	1	400	250-21000	250-23013	Heated Sensor	3	605	250-23000
250-21005	Unheated Sensor	1	505	250-21000	250-23016	Heated Sensor	3	500	250-23000
250-21007	Unheated Sensor	1	775	250-21000	250-23018	Heated Sensor	3	985	250-23000
250-21009	Unheated Sensor	1	480	250-21000	250-23019	Heated Sensor	3	985	No Univ.
250-21010	Unheated Sensor	1	480	250-21000	250-23023	Heated Sensor	3	580	No Univ.
250-21011	Unheated Sensor	1	570	250-21000	250-23024	Heated Sensor	3	550	No Univ.
250-21012	Unheated Sensor	1	655	250-21000	250-23025	Heated Sensor	3	925	No Univ.
250-21013	Unheated Sensor	1	270	250-21000	250-23027	Heated Sensor	3	885	No Univ.
250-21014	Unheated Sensor	1	1000	250-21000	250-23028	Heated Sensor	3	710	No Univ.
250-21015	Unheated Sensor	1	925	250-21000	250-23029	Heated Sensor	3	935	250-23000
250-21016	Unheated Sensor	1	425	250-21000	250-23031	Heated Sensor	3	730	250-23000
250-21019	Unheated Sensor	1	375	250-21000	250-23032	Heated Sensor	3	505	No Univ.
250-21020	Unheated Sensor	1	555	250-21000	250-23033	Heated Sensor	3	1670	No Univ.
250-21023	Unheated Sensor	1	475	250-21000	250-23034	Heated Sensor	3	1760	250-23000
250-21024	Unheated Sensor	1	480	250-21000	250-23042	Heated Sensor	3	350	No Univ.
250-21025	Unheated Sensor	1	175	250-21000	250-23047	Heated Sensor	3	515	No Univ.
250-21026	Unheated Sensor	1	375	250-21000	250-23048	Heated Sensor	3	1215	No Univ.
250-21027	Unheated Sensor	1	780	250-21000	250-23051	Heated Sensor	3	500	250-23050
250-21028	Unheated Sensor	1	400	250-21000	250-23052	Heated Sensor	3	500	No Univ.
250-21029	Unheated Sensor	1	130	No Univ.	250-23060	Heated Sensor	3	700	250-23000
250-21030	Unheated Sensor	1	140	No Univ.	250-23062	Heated Sensor	3	1165	No Univ.
250-21031	Unheated Sensor	1	450	250-21000	250-23063	Heated Sensor	3	360	No Univ.
250-21033	Unheated Sensor	1	630	250-21000	250-23066 New	Heated Sensor	3	525	No Univ.
250-21034	Unheated Sensor	1	450	250-21000	250-23067	Heated Sensor	3	325	No Univ.
250-21035	Unheated Sensor	1	555	250-21000	250-23069	Heated Sensor	3	1695	No Univ.
250-21036	Unheated Sensor	1	865	250-21000	250-23070	Heated Sensor	3	1875	No Univ.
250-21051	Unheated Sensor	1	350	250-21050	250-23073	Heated Sensor	3	755	No Univ.
250-21053	Unheated Sensor	1	325	250-21050	250-23074	Heated Sensor	3	450	No Univ.
250-21054	Unheated Sensor	1	450	250-21050	250-23075	Heated Sensor	3	275	No Univ.
250-21055	Unheated Sensor	1	505	250-21050	250-23078	Heated Sensor	3	480	No Univ.
250-21056	Unheated Sensor	1	505	250-21050	250-23079	Heated Sensor	3	1100	No Univ.
250-21058	Unheated Sensor	1	500	No Univ.	250-23080	Heated Sensor	3	910	No Univ.
250-21059	Unheated Sensor	1	655	No Univ.	250-23083	Heated Sensor	3	460	250-23000
250-21060	Unheated Sensor	1	500	250-21050	250-23084	Heated Sensor	3	370	250-23000
250-21061	Unheated Sensor	1	450	250-21000	250-23085	Heated Sensor	3	375	No Univ.
250-21062	Unheated Sensor	1	650	250-21000	250-23086	Heated Sensor	3	520	No Univ.
250-21065	Unheated Sensor	1	350	250-21000	250-23087	Heated Sensor	3	600	No Univ.
250-21070	Unheated Sensor	1	450	No Univ.	250-23088	Heated Sensor	3	450	No Univ.
250-22001	Unheated Sensor	2	350	250-22000	250-23089	Heated Sensor	3	450	No Univ.
250-22002	Unheated Sensor	2	650	250-22000	250-23091	Heated Sensor	3	400	250-23000
250-22003	Unheated Sensor	2	480	250-22000	250-23093	Heated Sensor	3	1850	No Univ.
250-22004	Unheated Sensor	2	1110	250-22000	250-23094	Heated Sensor	3	350	No Univ.
250-22006	Unheated Sensor	2	1110	250-22000	250-23095	Heated Sensor	3	500	No Univ.
250-22007	Unheated Sensor	2	500	250-22000	250-23096	Heated Sensor	3	290	No Univ.
250-22008	Unheated Sensor	2	600	250-22000	250-23097	Heated Sensor	3	530	No Univ.
250-22009	Unheated Sensor	2	450	250-22000	250-23100	Heated Sensor	3	1265	No Univ.
250-22010	Unheated Sensor	2	300	250-22000	250-23102	Heated Sensor	3	800	No Univ.
250-22011	Unheated Sensor	2	450	250-22000	250-23103	Heated Sensor	3	175	No Univ.
250-22013	Unheated Sensor	2	320	250-22000	250-23104	Heated Sensor	3	755	No Univ.
250-22014	Unheated Sensor	2	505	250-22000	250-23109	Heated Sensor	3	935	No Univ.
250-22051	Unheated Sensor	2	200	250-22050	250-23113	Heated Sensor	3	425	No Univ.
250-22052	Unheated Sensor	2	425	250-22050	250-23121	Heated Sensor	3	390	No Univ.
250-22055	Unheated Sensor	2	425	250-22050	250-23122	Heated Sensor	3	915	No Univ.
250-22057	Unheated Sensor	2	505	250-22050	250-23123	Heated Sensor	3	510	No Univ.
250-22058	Unheated Sensor	2	300	250-22050	250-23124	Heated Sensor	3	680	No Univ.
250-22060	Unheated Sensor	2	390	250-22000	250-23126	Heated Sensor	3	575	250-23000
250-22061	Unheated Sensor	2	315	250-22000	250-23128	Heated Sensor	3	450	250-23000
250-22062	Unheated Sensor	2	505	250-22050	250-23129	Heated Sensor	3	260	No Univ.
250-22064	Unheated Sensor	2	200	250-22000	250-23130	Heated Sensor	3	1840	No Univ.
250-22065	Unheated Sensor	2	1215	250-22000	250-23131	Heated Sensor	3	500	250-23000
250-22066	Unheated Sensor	2	630	250-22000	250-23132	Heated Sensor	3	830	No Univ.
250-22067	Unheated Sensor	2	450	250-22000	250-23133	Heated Sensor	3	680	No Univ.
250-22068	Unheated Sensor	2	450	250-22000	250-23135	Heated Sensor	3	940	No Univ.
250-22069	Unheated Sensor	2	325	250-22000	250-23156	Heated Sensor	3	325	No Univ.
250-23001	Heated Sensor	3	275	250-23000	250-23157	Heated Sensor	3	875	No Univ.
250-23002	Heated Sensor	3	275	250-23000	250-23159	Heated Sensor	3	350	No Univ.
250-23003	Heated Sensor	3	325	No Univ.	250-23163	Heated Sensor	3	975	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
250-23500	Heated Sensor	3	275	No Univ.	250-24099	Heated Sensor	4	425	No Univ.
250-23501	Heated Sensor	3	275	No Univ.	250-24101	Heated Sensor	4	1265	250-24000
250-23502	Heated Sensor	3	240	250-23880	250-24102	Heated Sensor	4	910	250-24000
250-23503	Heated Sensor	3	1800	250-23880	250-24103	Heated Sensor	4	300	No Univ.
250-23504	Heated Sensor	3	430	250-23880	250-24104	Heated Sensor	4	885	No Univ.
250-23505	Heated Sensor	3	480	250-23880	250-24105	Heated Sensor	4	385	No Univ.
250-23507	Heated Sensor	3	400	250-23880	250-24106	Heated Sensor	4	580	250-24200
250-23508	Heated Sensor	3	450	250-23881	250-24107	Heated Sensor	4	350	250-24200
250-23509	Heated Sensor	3	725	250-23880	250-24109	Heated Sensor	4	505	No Univ.
250-23510	Heated Sensor	3	530	250-23880	250-24113	Heated Sensor	4	400	250-24200
250-23521	Heated Sensor	3	485	250-23880	250-24121	Heated Sensor	4	650	No Univ.
250-23523	Heated Sensor	3	295	250-23880	250-24123	Heated Sensor	4	740	250-24200
250-23802	Heated Sensor	3	520	250-23880	250-24125	Heated Sensor	4	555	No Univ.
250-23811	Heated Sensor	3	1720	250-23881	250-24126	Heated Sensor	4	1240	No Univ.
250-23812	Heated Sensor	3	1900	250-23881	250-24127	Heated Sensor	4	500	250-24400
250-23822 New	Heated Sensor	3	985	No Univ.	250-24128	Heated Sensor	4	810	250-24400
250-23827 New	Heated Sensor	3	1375	No Univ.	250-24129	Heated Sensor	4	500	No Univ.
250-24001	Heated Sensor	4	400	250-24400	250-24130	Heated Sensor	4	660	250-24200
250-24002	Heated Sensor	4	490	250-24400	250-24131	Heated Sensor	4	450	250-24200
250-24003	Heated Sensor	4	605	250-24400	250-24132	Heated Sensor	4	1140	No Univ.
250-24004	Heated Sensor	4	300	250-24400	250-24133	Heated Sensor	4	890	No Univ.
250-24006	Heated Sensor	4	315	No Univ.	250-24134	Heated Sensor	4	480	No Univ.
250-24007	Heated Sensor	4	755	No Univ.	250-24135	Heated Sensor	4	740	No Univ.
250-24009	Heated Sensor	4	220	250-24400	250-24137	Heated Sensor	4	800	250-24200
250-24011	Heated Sensor	4	300	No Univ.	250-24138	Heated Sensor	4	730	250-24000
250-24012	Heated Sensor	4	375	250-24000	250-24139	Heated Sensor	4	650	250-24400
250-24013	Heated Sensor	4	910	No Univ.	250-24140	Heated Sensor	4	275	No Univ.
250-24014	Heated Sensor	4	1495	250-24400	250-24141	Heated Sensor	4	620	No Univ.
250-24015	Heated Sensor	4	375	250-24400	250-24143	Heated Sensor	4	820	No Univ.
250-24016	Heated Sensor	4	680	250-24400	250-24144	Heated Sensor	4	600	No Univ.
250-24017	Heated Sensor	4	555	No Univ.	250-24145	Heated Sensor	4	1695	No Univ.
250-24018	Heated Sensor	4	375	No Univ.	250-24146	Heated Sensor	4	1140	No Univ.
250-24019	Heated Sensor	4	375	250-24000	250-24147	Heated Sensor	4	740	No Univ.
250-24020	Heated Sensor	4	300	No Univ.	250-24150	Heated Sensor	4	235	No Univ.
250-24021	Heated Sensor	4	1425	No Univ.	250-24151	Heated Sensor	4	350	250-24050
250-24023	Heated Sensor	4	1570	No Univ.	250-24152	Heated Sensor	4	800	No Univ.
250-24024	Heated Sensor	4	630	No Univ.	250-24153	Heated Sensor	4	555	250-24250
250-24025	Heated Sensor	4	825	No Univ.	250-24154	Heated Sensor	4	410	250-24250
250-24026	Heated Sensor	4	985	No Univ.	250-24155	Heated Sensor	4	655	250-24250
250-24030	Heated Sensor	4	1225	No Univ.	250-24156	Heated Sensor	4	325	No Univ.
250-24034	Heated Sensor	4	760	No Univ.	250-24157	Heated Sensor	4	275	No Univ.
250-24035	Heated Sensor	4	505	No Univ.	250-24158	Heated Sensor	4	325	No Univ.
250-24038	Heated Sensor	4	350	No Univ.	250-24159	Heated Sensor	4	925	250-24250
250-24044	Heated Sensor	4	640	No Univ.	250-24160	Heated Sensor	4	1015	No Univ.
250-24046	Heated Sensor	4	1010	No Univ.	250-24163	Heated Sensor	4	1100	No Univ.
250-24048	Heated Sensor	4	2050	No Univ.	250-24169	Heated Sensor	4	275	No Univ.
250-24049	Heated Sensor	4	325	250-24400	250-24170	Heated Sensor	4	925	No Univ.
250-24051	Heated Sensor	4	375	No Univ.	250-24172	Heated Sensor	4	810	250-24000
250-24052	Heated Sensor	4	530	250-24050	250-24174	Heated Sensor	4	1725	No Univ.
250-24053	Heated Sensor	4	575	No Univ.	250-24177	Heated Sensor	4	1750	No Univ.
250-24055	Heated Sensor	4	580	No Univ.	250-24178	Heated Sensor	4	540	No Univ.
250-24056	Heated Sensor	4	505	No Univ.	250-24180	Heated Sensor	4	980	No Univ.
250-24059	Heated Sensor	4	250	No Univ.	250-24183	Heated Sensor	4	375	No Univ.
250-24060	Heated Sensor	4	520	250-24200	250-24187	Heated Sensor	4	1100	No Univ.
250-24066	Heated Sensor	4	625	No Univ.	250-24188	Heated Sensor	4	800	No Univ.
250-24067	Heated Sensor	4	480	No Univ.	250-24189	Heated Sensor	4	605	250-24200
250-24068	Heated Sensor	4	300	No Univ.	250-24192	Heated Sensor	4	525	No Univ.
250-24070	Heated Sensor	4	765	250-24400	250-24194	Heated Sensor	4	885	No Univ.
250-24072	Heated Sensor	4	870	No Univ.	250-24198	Heated Sensor	4	1165	No Univ.
250-24074	Heated Sensor	4	300	250-24400	250-24202	Heated Sensor	4	550	250-24000
250-24075	Heated Sensor	4	1290	250-24400	250-24203	Heated Sensor	4	400	No Univ.
250-24076	Heated Sensor	4	600	250-24400	250-24213	Heated Sensor	4	550	No Univ.
250-24081	Heated Sensor	4	310	250-24400	250-24220	Heated Sensor	4	240	No Univ.
250-24082	Heated Sensor	4	910	250-24400	250-24224	Heated Sensor	4	550	No Univ.
250-24083	Heated Sensor	4	630	No Univ.	250-24225	Heated Sensor	4	450	No Univ.
250-24086	Heated Sensor	4	400	250-24400	250-24226	Heated Sensor	4	705	No Univ.
250-24087	Heated Sensor	4	425	250-24000	250-24228	Heated Sensor	4	425	No Univ.
250-24091	Heated Sensor	4	450	No Univ.	250-24229	Heated Sensor	4	325	No Univ.
250-24093	Heated Sensor	4	580	No Univ.	250-24230	Heated Sensor	4	475	No Univ.
250-24095	Heated Sensor	4	630	No Univ.	250-24231	Heated Sensor	4	385	No Univ.
250-24097	Heated Sensor	4	755	No Univ.	250-24232	Heated Sensor	4	610	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
250-24233	Heated Sensor	4	470	No Univ.	250-24349	Heated Sensor	4	375	No Univ.
250-24234	Heated Sensor	4	325	No Univ.	250-24350	Heated Sensor	4	700	250-24000
250-24235	Heated Sensor	4	675	No Univ.	250-24351	Heated Sensor	4	360	No Univ.
250-24236	Heated Sensor	4	800	No Univ.	250-24353	Heated Sensor	4	1045	No Univ.
250-24237	Heated Sensor	4	600	No Univ.	250-24354	Heated Sensor	4	760	250-24200
250-24238	Heated Sensor	4	425	No Univ.	250-24355	Heated Sensor	4	430	No Univ.
250-24239	Heated Sensor	4	585	No Univ.	250-24356	Heated Sensor	4	425	No Univ.
250-24240	Heated Sensor	4	725	No Univ.	250-24357	Heated Sensor	4	260	No Univ.
250-24241	Heated Sensor	4	885	No Univ.	250-24358	Heated Sensor	4	330	No Univ.
250-24242	Heated Sensor	4	780	No Univ.	250-24360	Heated Sensor	4	350	No Univ.
250-24243	Heated Sensor	4	550	No Univ.	250-24361	Heated Sensor	4	230	No Univ.
250-24244	Heated Sensor	4	1125	250-24200	250-24362	Heated Sensor	4	950	250-24400
250-24245	Heated Sensor	4	550	250-24200	250-24363	Heated Sensor	4	880	No Univ.
250-24248	Heated Sensor	4	400	No Univ.	250-24364	Heated Sensor	4	320	No Univ.
250-24249	Heated Sensor	4	350	No Univ.	250-24365	Heated Sensor	4	600	No Univ.
250-24251	Heated Sensor	4	460	No Univ.	250-24366	Heated Sensor	4	465	250-24400
250-24252	Heated Sensor	4	460	No Univ.	250-24367	Heated Sensor	4	660	No Univ.
250-24253	Heated Sensor	4	400	No Univ.	250-24368	Heated Sensor	4	575	No Univ.
250-24259	Heated Sensor	4	460	No Univ.	250-24369	Heated Sensor	4	500	250-24400
250-24261	Heated Sensor	4	950	No Univ.	250-24371	Heated Sensor	4	640	250-24400
250-24263	Heated Sensor	4	350	No Univ.	250-24372	Heated Sensor	4	350	No Univ.
250-24265	Heated Sensor	4	430	No Univ.	250-24373	Heated Sensor	4	445	No Univ.
250-24267	Heated Sensor	4	460	250-24200	250-24374	Heated Sensor	4	600	No Univ.
250-24269	Heated Sensor	4	400	250-24200	250-24376	Heated Sensor	4	610	250-24400
250-24273	Heated Sensor	4	310	No Univ.	250-24377	Heated Sensor	4	640	No Univ.
250-24274	Heated Sensor	4	550	No Univ.	250-24378	Heated Sensor	4	335	No Univ.
250-24275	Heated Sensor	4	1425	No Univ.	250-24379	Heated Sensor	4	450	No Univ.
250-24276	Heated Sensor	4	465	No Univ.	250-24380	Heated Sensor	4	360	No Univ.
250-24277	Heated Sensor	4	510	250-24250	250-24381	Heated Sensor	4	575	No Univ.
250-24278	Heated Sensor	4	800	250-24250	250-24382	Heated Sensor	4	1495	No Univ.
250-24279	Heated Sensor	4	820	No Univ.	250-24383	Heated Sensor	4	820	No Univ.
250-24280	Heated Sensor	4	325	No Univ.	250-24384	Heated Sensor	4	440	No Univ.
250-24281	Heated Sensor	4	500	No Univ.	250-24385	Heated Sensor	4	2150	No Univ.
250-24282	Heated Sensor	4	510	No Univ.	250-24386	Heated Sensor	4	425	No Univ.
250-24284	Heated Sensor	4	920	No Univ.	250-24387	Heated Sensor	4	630	No Univ.
250-24285	Heated Sensor	4	900	No Univ.	250-24388	Heated Sensor	4	535	No Univ.
250-24286	Heated Sensor	4	1005	No Univ.	250-24389	Heated Sensor	4	310	250-24200
250-24288	Heated Sensor	4	840	250-24250	250-24390	Heated Sensor	4	740	No Univ.
250-24289	Heated Sensor	4	400	No Univ.	250-24391	Heated Sensor	4	650	No Univ.
250-24290	Heated Sensor	4	445	No Univ.	250-24392	Heated Sensor	4	990	No Univ.
250-24291	Heated Sensor	4	525	No Univ.	250-24393	Heated Sensor	4	400	No Univ.
250-24292	Heated Sensor	4	355	No Univ.	250-24394	Heated Sensor	4	870	No Univ.
250-24293	Heated Sensor	4	560	No Univ.	250-24395	Heated Sensor	4	620	No Univ.
250-24294	Heated Sensor	4	385	No Univ.	250-24397	Heated Sensor	4	560	250-24000
250-24295	Heated Sensor	4	465	No Univ.	250-24398	Heated Sensor	4	320	No Univ.
250-24298	Heated Sensor	4	490	250-24200	250-24399	Heated Sensor	4	635	250-24400
250-24301	Heated Sensor	4	400	No Univ.	250-24401	Heated Sensor	4	740	No Univ.
250-24302	Heated Sensor	4	500	No Univ.	250-24403	Heated Sensor	4	480	No Univ.
250-24305	Heated Sensor	4	480	250-24200	250-24404	Heated Sensor	4	900	No Univ.
250-24307	Heated Sensor	4	665	No Univ.	250-24405	Heated Sensor	4	1230	No Univ.
250-24308	Heated Sensor	4	375	No Univ.	250-24406	Heated Sensor	4	840	250-24000
250-24310	Heated Sensor	4	615	No Univ.	250-24407	Heated Sensor	4	605	No Univ.
250-24314	Heated Sensor	4	305	No Univ.	250-24408	Heated Sensor	4	810	No Univ.
250-24321	Heated Sensor	4	1100	250-24200	250-24409	Heated Sensor	4	770	No Univ.
250-24324	Heated Sensor	4	375	No Univ.	250-24410	Heated Sensor	4	1640	No Univ.
250-24332	Heated Sensor	4	375	No Univ.	250-24411	Heated Sensor	4	700	No Univ.
250-24333	Heated Sensor	4	610	No Univ.	250-24412	Heated Sensor	4	460	No Univ.
250-24334	Heated Sensor	4	1250	250-24200	250-24413	Heated Sensor	4	325	No Univ.
250-24335	Heated Sensor	4	635	250-24200	250-24414	Heated Sensor	4	1690	No Univ.
250-24336	Heated Sensor	4	725	No Univ.	250-24415	Heated Sensor	4	890	No Univ.
250-24338	Heated Sensor	4	400	250-24200	250-24416	Heated Sensor	4	860	No Univ.
250-24339	Heated Sensor	4	450	250-24200	250-24417	Heated Sensor	4	1440	No Univ.
250-24340	Heated Sensor	4	320	250-24000	250-24418	Heated Sensor	4	1005	No Univ.
250-24341	Heated Sensor	4	400	No Univ.	250-24419	Heated Sensor	4	610	No Univ.
250-24342	Heated Sensor	4	425	No Univ.	250-24420	Heated Sensor	4	360	No Univ.
250-24343	Heated Sensor	4	480	No Univ.	250-24422	Heated Sensor	4	450	No Univ.
250-24344	Heated Sensor	4	250	No Univ.	250-24423	Heated Sensor	4	260	No Univ.
250-24345	Heated Sensor	4	320	No Univ.	250-24424	Heated Sensor	4	810	No Univ.
250-24346	Heated Sensor	4	500	No Univ.	250-24425	Heated Sensor	4	1265	No Univ.
250-24347	Heated Sensor	4	800	No Univ.	250-24428	Heated Sensor	4	970	No Univ.
250-24348	Heated Sensor	4	890	No Univ.	250-24429	Heated Sensor	4	540	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
250-24431	Heated Sensor	4	650	No Univ.	250-24512	Heated Sensor	4	530	250-24883
250-24432	Heated Sensor	4	800	No Univ.	250-24514	Heated Sensor	4	1790	250-24883
250-24433	Heated Sensor	4	830	250-24000	250-24515	Heated Sensor	4	640	250-24882
250-24434	Heated Sensor	4	360	No Univ.	250-24516	Heated Sensor	4	400	250-24882
250-24435	Heated Sensor	4	1220	No Univ.	250-24517	Heated Sensor	4	410	250-24882
250-24436	Heated Sensor	4	780	No Univ.	250-24518	Heated Sensor	4	640	250-24882
250-24437	Heated Sensor	4	365	No Univ.	250-24546	Heated Sensor	4	650	No Univ.
250-24438	Heated Sensor	4	220	No Univ.	250-24601	Heated Sensor	4	860	No Univ.
250-24439	Heated Sensor	4	550	No Univ.	250-24603	Heated Sensor	4	730	No Univ.
250-24440	Heated Sensor	4	700	No Univ.	250-24605	Heated Sensor	4	330	No Univ.
250-24441	Heated Sensor	4	900	No Univ.	250-24607	Heated Sensor	4	425	No Univ.
250-24442	Heated Sensor	4	525	No Univ.	250-24609	Heated Sensor	4	325	No Univ.
250-24443	Heated Sensor	4	940	250-24200	250-24610	Heated Sensor	4	480	No Univ.
250-24444	Heated Sensor	4	900	No Univ.	250-24611	Heated Sensor	4	350	No Univ.
250-24445	Heated Sensor	4	820	No Univ.	250-24612	Heated Sensor	4	400	No Univ.
250-24446	Heated Sensor	4	600	No Univ.	250-24613	Heated Sensor	4	750	No Univ.
250-24447	Heated Sensor	4	550	No Univ.	250-24615	Heated Sensor	4	1850	250-24000
250-24448	Heated Sensor	4	380	No Univ.	250-24616	Heated Sensor	4	1720	250-24000
250-24449	Heated Sensor	4	1215	No Univ.	250-24617	Heated Sensor	4	1140	250-24000
250-24450	Heated Sensor	4	530	No Univ.	250-24618	Heated Sensor	4	705	No Univ.
250-24451	Heated Sensor	4	910	No Univ.	250-24619	Heated Sensor	4	325	No Univ.
250-24452	Heated Sensor	4	370	No Univ.	250-24620	Heated Sensor	4	340	No Univ.
250-24453	Heated Sensor	4	470	No Univ.	250-24621	Heated Sensor	4	475	No Univ.
250-24454	Heated Sensor	4	385	No Univ.	250-24623	Heated Sensor	4	680	No Univ.
250-24455	Heated Sensor	4	475	No Univ.	250-24625	Heated Sensor	4	445	No Univ.
250-24456	Heated Sensor	4	780	No Univ.	250-24626	Heated Sensor	4	1290	250-24000
250-24457	Heated Sensor	4	360	No Univ.	250-24627	Heated Sensor	4	580	No Univ.
250-24458	Heated Sensor	4	900	No Univ.	250-24628	Heated Sensor	4	380	No Univ.
250-24459	Heated Sensor	4	1210	No Univ.	250-24629	Heated Sensor	4	325	No Univ.
250-24460	Heated Sensor	4	475	No Univ.	250-24630	Heated Sensor	4	480	No Univ.
250-24461	Heated Sensor	4	460	No Univ.	250-24631	Heated Sensor	4	725	No Univ.
250-24462	Heated Sensor	4	525	No Univ.	250-24632	Heated Sensor	4	1165	No Univ.
250-24463	Heated Sensor	4	590	No Univ.	250-24633	Heated Sensor	4	700	No Univ.
250-24464	Heated Sensor	4	425	No Univ.	250-24634	Heated Sensor	4	250	No Univ.
250-24465	Heated Sensor	4	500	No Univ.	250-24636	Heated Sensor	4	870	No Univ.
250-24466	Heated Sensor	4	750	No Univ.	250-24637	Heated Sensor	4	600	No Univ.
250-24468	Heated Sensor	4	900	No Univ.	250-24638	Heated Sensor	4	450	No Univ.
250-24469	Heated Sensor	4	470	No Univ.	250-24641	Heated Sensor	4	1020	No Univ.
250-24470	Heated Sensor	4	420	250-24400	250-24644	Heated Sensor	4	800	No Univ.
250-24472	Heated Sensor	4	620	No Univ.	250-24645	Heated Sensor	4	525	No Univ.
250-24473	Heated Sensor	4	350	No Univ.	250-24646	Heated Sensor	4	440	No Univ.
250-24474	Heated Sensor	4	1230	No Univ.	250-24647	Heated Sensor	4	400	No Univ.
250-24475	Heated Sensor	4	620	No Univ.	250-24648	Heated Sensor	4	575	No Univ.
250-24476	Heated Sensor	4	1070	No Univ.	250-24649	Heated Sensor	4	520	No Univ.
250-24477	Heated Sensor	4	280	No Univ.	250-24650	Heated Sensor	4	260	No Univ.
250-24478	Heated Sensor	4	1120	No Univ.	250-24651	Heated Sensor	4	320	No Univ.
250-24479	Heated Sensor	4	550	No Univ.	250-24652	Heated Sensor	4	680	No Univ.
250-24482	Heated Sensor	4	875	No Univ.	250-24653	Heated Sensor	4	550	No Univ.
250-24483	Heated Sensor	4	800	No Univ.	250-24654	Heated Sensor	4	480	No Univ.
250-24484	Heated Sensor	4	620	No Univ.	250-24655	Heated Sensor	4	300	No Univ.
250-24485	Heated Sensor	4	400	No Univ.	250-24656	Heated Sensor	4	400	No Univ.
250-24486	Heated Sensor	4	540	No Univ.	250-24657	Heated Sensor	4	1140	No Univ.
250-24487	Heated Sensor	4	400	250-24400	250-24658	Heated Sensor	4	730	No Univ.
250-24488	Heated Sensor	4	580	250-24200	250-24659	Heated Sensor	4	1210	No Univ.
250-24489	Heated Sensor	4	350	No Univ.	250-24660	Heated Sensor	4	460	No Univ.
250-24490	Heated Sensor	4	425	250-24200	250-24661	Heated Sensor	4	800	No Univ.
250-24491	Heated Sensor	4	380	No Univ.	250-24662	Heated Sensor	4	460	No Univ.
250-24492	Heated Sensor	4	550	No Univ.	250-24664	Heated Sensor	4	750	No Univ.
250-24493	Heated Sensor	4	1525	No Univ.	250-24669	Heated Sensor	4	1000	No Univ.
250-24494	Heated Sensor	4	950	No Univ.	250-24670	Heated Sensor	4	1125	No Univ.
250-24495	Heated Sensor	4	500	No Univ.	250-24671	Heated Sensor	4	800	No Univ.
250-24496	Heated Sensor	4	470	No Univ.	250-24672	Heated Sensor	4	800	No Univ.
250-24497	Heated Sensor	4	420	No Univ.	250-24675	Heated Sensor	4	475	No Univ.
250-24498	Heated Sensor	4	580	No Univ.	250-24676	Heated Sensor	4	820	No Univ.
250-24499	Heated Sensor	4	620	No Univ.	250-24677	Heated Sensor	4	1000	No Univ.
250-24501	Heated Sensor	4	500	No Univ.	250-24678	Heated Sensor	4	460	No Univ.
250-24505	Heated Sensor	4	730	250-24883	250-24680	Heated Sensor	4	325	No Univ.
250-24506	Heated Sensor	4	1160	250-24883	250-24682	Heated Sensor	4	775	No Univ.
250-24507	Heated Sensor	4	225	No Univ.	250-24683	Heated Sensor	4	530	No Univ.
250-24508	Heated Sensor	4	505	No Univ.	250-24684	Heated Sensor	4	550	No Univ.
250-24509	Heated Sensor	4	1050	No Univ.	250-24685	Heated Sensor	4	1130	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
250-24686	Heated Sensor	4	500	No Univ.	250-24791	Heated Sensor	4	675	No Univ.
250-24687	Heated Sensor	4	475	No Univ.	250-24794	Heated Sensor	4	475	No Univ.
250-24688	Heated Sensor	4	750	No Univ.	250-24795	Heated Sensor	4	375	No Univ.
250-24689	Heated Sensor	4	1900	No Univ.	250-24796	Heated Sensor	4	550	No Univ.
250-24690	Heated Sensor	4	330	No Univ.	250-24798	Heated Sensor	4	600	No Univ.
250-24691	Heated Sensor	4	600	No Univ.	250-24799	Heated Sensor	4	525	No Univ.
250-24692	Heated Sensor	4	470	No Univ.	250-24804	Heated Sensor	4	520	250-24883
250-24693	Heated Sensor	4	580	No Univ.	250-24810	Heated Sensor	4	990	250-24882
250-24697	Heated Sensor	4	1700	No Univ.	250-24817	Heated Sensor	4	735	250-24883
250-24698	Heated Sensor	4	500	No Univ.	250-24820	Heated Sensor	4	915	No Univ.
250-24699	Heated Sensor	4	525	No Univ.	250-24823 New	Heated Sensor	4	1080	No Univ.
250-24701	Heated Sensor	4	450	250-24200	250-24824 New	Heated Sensor	4	935	No Univ.
250-24703	Heated Sensor	4	430	No Univ.	250-24833	Heated Sensor	4	225	250-24883
250-24704	Heated Sensor	4	420	No Univ.	250-24835	Heated Sensor	4	475	250-24883
250-24707	Heated Sensor	4	750	No Univ.	250-24836	Heated Sensor	4	350	250-24883
250-24708	Heated Sensor	4	400	No Univ.	250-24837	Heated Sensor	4	650	250-24883
250-24709	Heated Sensor	4	900	No Univ.	250-24838	Heated Sensor	4	675	250-24883
250-24712	Heated Sensor	4	700	No Univ.	250-24839	Heated Sensor	4	800	250-24883
250-24713	Heated Sensor	4	600	No Univ.	250-24840	Heated Sensor	4	925	250-24883
250-24714	Heated Sensor	4	250	No Univ.	250-24841	Heated Sensor	4	550	250-24883
250-24715	Heated Sensor	4	925	No Univ.	250-24842	Heated Sensor	4	725	250-24883
250-24717	Heated Sensor	4	1300	No Univ.	250-24843	Heated Sensor	4	1250	250-24883
250-24718	Heated Sensor	4	775	No Univ.	250-24845	Heated Sensor	4	300	No Univ.
250-24722	Heated Sensor	4	825	No Univ.	250-24847	Heated Sensor	4	525	No Univ.
250-24724	Heated Sensor	4	1350	No Univ.	250-24849	Heated Sensor	4	400	No Univ.
250-24725	Heated Sensor	4	450	No Univ.	250-24850	Heated Sensor	4	400	No Univ.
250-24726	Heated Sensor	4	1325	No Univ.	250-24851	Heated Sensor	4	350	No Univ.
250-24727	Heated Sensor	4	400	No Univ.	250-24852	Heated Sensor	4	400	No Univ.
250-24728	Heated Sensor	4	675	No Univ.	250-24853	Heated Sensor	4	1475	No Univ.
250-24729	Heated Sensor	4	975	No Univ.	250-24854	Heated Sensor	4	825	No Univ.
250-24730	Heated Sensor	4	500	No Univ.	250-24856	Heated Sensor	4	825	No Univ.
250-24732	Heated Sensor	4	600	No Univ.	250-24857	Heated Sensor	4	925	No Univ.
250-24734	Heated Sensor	4	1100	No Univ.	250-24859	Heated Sensor	4	900	No Univ.
250-24736	Heated Sensor	4	400	No Univ.	250-24860	Heated Sensor	4	275	No Univ.
250-24739	Heated Sensor	4	475	No Univ.	250-24861	Heated Sensor	4	300	No Univ.
250-24740	Heated Sensor	4	850	No Univ.	250-24864	Heated Sensor	4	575	No Univ.
250-24741	Heated Sensor	4	475	No Univ.	250-24867	Heated Sensor	4	1125	No Univ.
250-24742	Heated Sensor	4	925	No Univ.	250-24868	Heated Sensor	4	850	No Univ.
250-24743	Heated Sensor	4	800	No Univ.	250-24869	Heated Sensor	4	400	No Univ.
250-24744	Heated Sensor	4	800	No Univ.	250-24870	Heated Sensor	4	575	No Univ.
250-24745	Heated Sensor	4	675	No Univ.	250-24871	Heated Sensor	4	725	No Univ.
250-24746	Heated Sensor	4	350	No Univ.	250-24872	Heated Sensor	4	325	No Univ.
250-24747	Heated Sensor	4	500	No Univ.	250-24873	Heated Sensor	4	1125	No Univ.
250-24748	Heated Sensor	4	1250	No Univ.	250-24878	Heated Sensor	4	600	No Univ.
250-24749	Heated Sensor	4	280	No Univ.	250-24906	Heated Sensor	4	350	No Univ.
250-24751	Heated Sensor	4	925	No Univ.	250-24908	Heated Sensor	4	425	No Univ.
250-24752	Heated Sensor	4	725	No Univ.	250-24909	Heated Sensor	4	325	No Univ.
250-24753	Heated Sensor	4	525	No Univ.	250-24913	Heated Sensor	4	525	No Univ.
250-24755	Heated Sensor	4	975	No Univ.	250-24914	Heated Sensor	4	525	No Univ.
250-24762	Heated Sensor	4	1175	No Univ.	250-24915	Heated Sensor	4	600	No Univ.
250-24764	Heated Sensor	4	675	No Univ.	250-24916	Heated Sensor	4	475	No Univ.
250-24765	Heated Sensor	4	475	No Univ.	250-24917	Heated Sensor	4	350	No Univ.
250-24767	Heated Sensor	4	850	No Univ.	250-24934	Heated Sensor	4	1225	No Univ.
250-24768	Heated Sensor	4	525	No Univ.	250-24935	Heated Sensor	4	950	No Univ.
250-24769	Heated Sensor	4	650	No Univ.	250-24942	Heated Sensor	4	400	No Univ.
250-24770	Heated Sensor	4	250	No Univ.	250-24943	Heated Sensor	4	475	No Univ.
250-24771	Heated Sensor	4	300	No Univ.	250-24944	Heated Sensor	4	700	No Univ.
250-24772	Heated Sensor	4	425	No Univ.	250-24945	Heated Sensor	4	850	No Univ.
250-24773	Heated Sensor	4	375	No Univ.	250-24946	Heated Sensor	4	450	No Univ.
250-24775	Heated Sensor	4	625	No Univ.	250-24947	Heated Sensor	4	460	No Univ.
250-24776	Heated Sensor	4	475	No Univ.	250-24950	Heated Sensor	4	350	No Univ.
250-24777	Heated Sensor	4	480	No Univ.	250-24951	Heated Sensor	4	275	No Univ.
250-24779	Heated Sensor	4	550	No Univ.	250-24953	Heated Sensor	4	600	No Univ.
250-24782	Heated Sensor	4	650	No Univ.	250-24954	Heated Sensor	4	675	No Univ.
250-24783	Heated Sensor	4	650	No Univ.	250-24955	Heated Sensor	4	675	No Univ.
250-24784	Heated Sensor	4	550	No Univ.	250-24958	Heated Sensor	4	450	No Univ.
250-24785	Heated Sensor	4	550	No Univ.	250-24976	Heated Sensor	4	725	No Univ.
250-24786	Heated Sensor	4	350	No Univ.	250-24982	Heated Sensor	4	700	No Univ.
250-24787	Heated Sensor	4	650	No Univ.	250-24983	Heated Sensor	4	325	No Univ.
250-24788	Heated Sensor	4	325	No Univ.	250-24987	Heated Sensor	4	800	No Univ.
250-24789	Heated Sensor	4	475	No Univ.	250-24988	Heated Sensor	4	625	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
250-24989	Heated Sensor	4	450	No Univ.	250-241162	Heated Sensor	4	350	No Univ.
250-24990	Heated Sensor	4	1075	No Univ.	250-241175 New	Heated Sensor	4	550	No Univ.
250-24991	Heated Sensor	4	750	No Univ.	250-241176 New	Heated Sensor	4	375	No Univ.
250-24992	Heated Sensor	4	400	No Univ.	250-241177 New	Heated Sensor	4	400	No Univ.
250-24993	Heated Sensor	4	925	No Univ.	250-241179 New	Heated Sensor	4	675	No Univ.
250-24994	Heated Sensor	4	700	No Univ.	250-241181 New	Heated Sensor	4	725	No Univ.
250-24996	Heated Sensor	4	375	No Univ.	250-241182 New	Heated Sensor	4	700	No Univ.
250-24997	Heated Sensor	4	375	No Univ.	250-241183 New	Heated Sensor	4	400	No Univ.
250-24998	Heated Sensor	4	450	No Univ.	250-241184 New	Heated Sensor	4	750	No Univ.
250-24999	Heated Sensor	4	400	No Univ.	250-241185 New	Heated Sensor	4	475	No Univ.
250-241003	Heated Sensor	4	325	No Univ.	250-241186 New	Heated Sensor	4	450	No Univ.
250-241010	Heated Sensor	4	800	No Univ.	250-241187 New	Heated Sensor	4	450	No Univ.
250-241023	Heated Sensor	4	700	No Univ.	250-241188 New	Heated Sensor	4	325	No Univ.
250-241027	Heated Sensor	4	650	No Univ.	250-241189 New	Heated Sensor	4	350	No Univ.
250-241034	Heated Sensor	4	600	No Univ.	250-241192 New	Heated Sensor	4	625	No Univ.
250-241035	Heated Sensor	4	700	No Univ.	250-241193 New	Heated Sensor	4	1150	No Univ.
250-241040	Heated Sensor	4	475	No Univ.	250-241195 New	Heated Sensor	4	300	No Univ.
250-241042	Heated Sensor	4	470	No Univ.	250-241198 New	Heated Sensor	4	450	No Univ.
250-241045	Heated Sensor	4	700	No Univ.	250-241199 New	Heated Sensor	4	350	No Univ.
250-241046	Heated Sensor	4	750	No Univ.	250-241201 New	Heated Sensor	4	1100	No Univ.
250-241052	Heated Sensor	4	400	No Univ.	250-241205 New	Heated Sensor	4	800	No Univ.
250-241054 New	Heated Sensor	4	425	No Univ.	250-241206 New	Heated Sensor	4	275	No Univ.
250-241055	Heated Sensor	4	475	No Univ.	250-241207 New	Heated Sensor	4	500	No Univ.
250-241059	Heated Sensor	4	700	No Univ.	250-241212 New	Heated Sensor	4	325	No Univ.
250-241068	Heated Sensor	4	700	No Univ.	250-25001	Wideband Sensor	5	325	No Univ.
250-241070	Heated Sensor	4	400	No Univ.	250-25002	Wideband Sensor	5	600	No Univ.
250-241071	Heated Sensor	4	1050	No Univ.	250-25003	Wideband Sensor	5	900	No Univ.
250-241074	Heated Sensor	4	650	No Univ.	250-25004	Wideband Sensor	5	1450	No Univ.
250-241075	Heated Sensor	4	750	No Univ.	250-25005	Wideband Sensor	5	600	No Univ.
250-241077	Heated Sensor	4	900	No Univ.	250-25006	Wideband Sensor	5	1200	No Univ.
250-241089 New	Heated Sensor	4	300	No Univ.	250-25007	Wideband Sensor	5	850	No Univ.
250-241099	Heated Sensor	4	410	250-24250	250-25008	Wideband Sensor	5	1500	No Univ.
250-241104	Heated Sensor	4	375	No Univ.	250-25009	Wideband Sensor	5	780	No Univ.
250-241105	Heated Sensor	4	300	No Univ.	250-25010	Wideband Sensor	5	565	No Univ.
250-241106	Heated Sensor	4	375	No Univ.	250-25011	Wideband Sensor	5	1310	No Univ.
250-241107	Heated Sensor	4	400	No Univ.	250-25012	Wideband Sensor	5	550	No Univ.
250-241108	Heated Sensor	4	475	No Univ.	250-25015	Wideband Sensor	5	850	No Univ.
250-241115	Heated Sensor	4	325	250-24400	250-25016	Wideband Sensor	5	1000	No Univ.
250-241116	Heated Sensor	4	450	No Univ.	250-25017	Wideband Sensor	5	650	No Univ.
250-241117	Heated Sensor	4	460	No Univ.	250-25018	Wideband Sensor	5	1525	No Univ.
250-241118	Heated Sensor	4	460	No Univ.	250-25019	Wideband Sensor	5	525	No Univ.
250-241119	Heated Sensor	4	460	250-24200	250-25020	Wideband Sensor	5	1775	No Univ.
250-241120	Heated Sensor	4	610	No Univ.	250-25021	Wideband Sensor	5	1900	No Univ.
250-241121 New	Heated Sensor	4	450	No Univ.	250-25025	Wideband Sensor	5	500	No Univ.
250-241122	Heated Sensor	4	1045	No Univ.	250-25026	Wideband Sensor	5	800	No Univ.
250-241123	Heated Sensor	4	320	No Univ.	250-25027	Wideband Sensor	5	925	No Univ.
250-241124	Heated Sensor	4	450	No Univ.	250-25028	Wideband Sensor	5	1700	No Univ.
250-241125	Heated Sensor	4	400	No Univ.	250-25029	Wideband Sensor	5	500	No Univ.
250-241126	Heated Sensor	4	325	No Univ.	250-25030	Wideband Sensor	5	475	No Univ.
250-241127	Heated Sensor	4	450	250-24200	250-25031	Wideband Sensor	5	1450	No Univ.
250-241128	Heated Sensor	4	400	No Univ.	250-25032	Wideband Sensor	5	1275	No Univ.
250-241129	Heated Sensor	4	650	250-24883	250-25033	Wideband Sensor	5	900	No Univ.
250-241132	Heated Sensor	4	375	No Univ.	250-25034	Wideband Sensor	5	400	No Univ.
250-241133	Heated Sensor	4	375	No Univ.	250-25035	Wideband Sensor	5	725	No Univ.
250-241138	Heated Sensor	4	325	No Univ.	250-25036	Wideband Sensor	5	950	No Univ.
250-241139	Heated Sensor	4	400	No Univ.	250-25037	Wideband Sensor	5	1325	No Univ.
250-241140	Heated Sensor	4	650	No Univ.	250-25038	Wideband Sensor	5	400	No Univ.
250-241141	Heated Sensor	4	500	No Univ.	250-25039	Wideband Sensor	5	725	No Univ.
250-241142 New	Heated Sensor	4	775	No Univ.	250-25040	Wideband Sensor	5	750	No Univ.
250-241143	Heated Sensor	4	425	No Univ.	250-25041	Wideband Sensor	5	1325	No Univ.
250-241144	Heated Sensor	4	975	No Univ.	250-25042	Wideband Sensor	5	375	No Univ.
250-241145	Heated Sensor	4	325	No Univ.	250-25043	Wideband Sensor	5	550	No Univ.
250-241146	Heated Sensor	4	750	No Univ.	250-25044	Wideband Sensor	5	700	No Univ.
250-241147	Heated Sensor	4	1450	No Univ.	250-25045	Wideband Sensor	5	825	No Univ.
250-241149	Heated Sensor	4	975	No Univ.	250-25046	Wideband Sensor	5	1050	No Univ.
250-241150	Heated Sensor	4	575	No Univ.	250-25047	Wideband Sensor	5	1200	No Univ.
250-241151	Heated Sensor	4	400	No Univ.	250-25048	Wideband Sensor	5	1300	No Univ.
250-241152	Heated Sensor	4	700	No Univ.	250-25049	Wideband Sensor	5	550	No Univ.
250-241159 New	Heated Sensor	4	500	No Univ.	250-25050	Wideband Sensor	5	925	No Univ.
250-241160 New	Heated Sensor	4	250	No Univ.	250-25051	Wideband Sensor	5	1575	No Univ.
250-241161 New	Heated Sensor	4	550	No Univ.	250-25052	Wideband Sensor	5	1725	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
250-25053	Wideband Sensor	5	1050	No Univ.	250-54022	Air/Fuel Sensor	4	610	No Univ.
250-25054	Wideband Sensor	5	1000	No Univ.	250-54023	Air/Fuel Sensor	4	525	No Univ.
250-25055	Wideband Sensor	5	425	No Univ.	250-54025	Air/Fuel Sensor	4	960	No Univ.
250-25056	Wideband Sensor	5	300	No Univ.	250-54026	Air/Fuel Sensor	4	700	No Univ.
250-25058 New	Wideband Sensor	5	850	No Univ.	250-54027	Air/Fuel Sensor	4	575	No Univ.
250-25059	Wideband Sensor	5	275	No Univ.	250-54028	Air/Fuel Sensor	4	475	No Univ.
250-25060	Wideband Sensor	5	290	No Univ.	250-54029	Air/Fuel Sensor	4	460	No Univ.
250-25062	Wideband Sensor	5	475	No Univ.	250-54031	Air/Fuel Sensor	4	550	No Univ.
250-25063	Wideband Sensor	5	325	No Univ.	250-54032	Air/Fuel Sensor	4	325	No Univ.
250-25064	Wideband Sensor	5	815	No Univ.	250-54033	Air/Fuel Sensor	4	625	No Univ.
250-25065	Wideband Sensor	5	700	No Univ.	250-54034	Air/Fuel Sensor	4	400	No Univ.
250-25066	Wideband Sensor	5	800	No Univ.	250-54035	Air/Fuel Sensor	4	375	No Univ.
250-25067	Wideband Sensor	5	800	No Univ.	250-54036	Air/Fuel Sensor	4	375	No Univ.
250-25068	Wideband Sensor	5	500	No Univ.	250-54037	Air/Fuel Sensor	4	400	No Univ.
250-25069	Wideband Sensor	5	650	No Univ.	250-54038	Air/Fuel Sensor	4	350	No Univ.
250-25073	Wideband Sensor	5	1050	No Univ.	250-54039	Air/Fuel Sensor	4	625	No Univ.
250-25077 New	Wideband Sensor	5	1050	No Univ.	250-54040	Air/Fuel Sensor	4	425	No Univ.
250-25079	Wideband Sensor	5	750	No Univ.	250-54041	Air/Fuel Sensor	4	275	No Univ.
250-25080 New	Wideband Sensor	5	1025	No Univ.	250-54042	Air/Fuel Sensor	4	650	No Univ.
250-25081	Wideband Sensor	5	1300	No Univ.	250-54043	Air/Fuel Sensor	4	475	No Univ.
250-25082	Wideband Sensor	5	250	No Univ.	250-54044	Air/Fuel Sensor	4	600	No Univ.
250-25083	Wideband Sensor	5	1050	No Univ.	250-54045	Air/Fuel Sensor	4	425	No Univ.
250-25084	Wideband Sensor	5	700	No Univ.	250-54046	Air/Fuel Sensor	4	375	No Univ.
250-25085	Wideband Sensor	5	350	No Univ.	250-54050	Air/Fuel Sensor	4	275	No Univ.
250-25086	Wideband Sensor	5	425	No Univ.	250-54051	Air/Fuel Sensor	4	310	No Univ.
250-25087	Wideband Sensor	5	475	No Univ.	250-54052	Air/Fuel Sensor	4	420	No Univ.
250-25088	Wideband Sensor	5	330	No Univ.	250-54053	Air/Fuel Sensor	4	450	No Univ.
250-25089	Wideband Sensor	5	465	No Univ.	250-54054	Air/Fuel Sensor	4	350	No Univ.
250-25090	Wideband Sensor	5	550	No Univ.	250-54055	Air/Fuel Sensor	4	350	No Univ.
250-25091	Wideband Sensor	5	550	No Univ.	250-54056	Air/Fuel Sensor	4	525	No Univ.
250-25093	Wideband Sensor	5	700	No Univ.	250-54057	Air/Fuel Sensor	4	325	No Univ.
250-25095 New	Wideband Sensor	5	400	No Univ.	250-54058	Air/Fuel Sensor	4	800	No Univ.
250-25101	Wideband Sensor	5	425	No Univ.	250-54059	Air/Fuel Sensor	4	375	No Univ.
250-25102	Wideband Sensor	5	625	No Univ.	250-54061	Air/Fuel Sensor	4	475	No Univ.
250-25103	Wideband Sensor	5	500	No Univ.	250-54062	Air/Fuel Sensor	4	300	No Univ.
250-25105	Wideband Sensor	5	475	No Univ.	250-54063	Air/Fuel Sensor	4	225	No Univ.
250-25106	Wideband Sensor	5	750	No Univ.	250-54064	Air/Fuel Sensor	4	275	No Univ.
250-25107	Wideband Sensor	5	325	No Univ.	250-54065	Air/Fuel Sensor	4	300	No Univ.
250-25108	Wideband Sensor	5	775	No Univ.	250-54066	Air/Fuel Sensor	4	375	No Univ.
250-25109	Wideband Sensor	5	575	No Univ.	250-54067	Air/Fuel Sensor	4	500	No Univ.
250-25111 New	Wideband Sensor	5	900	No Univ.	250-54068	Air/Fuel Sensor	4	600	No Univ.
250-25112 New	Wideband Sensor	5	700	No Univ.	250-54069	Air/Fuel Sensor	4	450	No Univ.
250-25113 New	Wideband Sensor	5	575	No Univ.	250-54070	Air/Fuel Sensor	4	225	No Univ.
250-25114 New	Wideband Sensor	5	900	No Univ.	250-54071	Air/Fuel Sensor	4	250	No Univ.
250-25115 New	Wideband Sensor	5	700	No Univ.	250-54072	Air/Fuel Sensor	4	275	No Univ.
250-25118 New	Wideband Sensor	5	650	No Univ.	250-54073	Air/Fuel Sensor	4	400	No Univ.
250-25119 New	Wideband Sensor	5	424	No Univ.	250-54074	Air/Fuel Sensor	4	200	No Univ.
250-25120 New	Wideband Sensor	5	460	No Univ.	250-54075	Air/Fuel Sensor	4	550	No Univ.
250-25121 New	Wideband Sensor	5	650	No Univ.	250-54076	Air/Fuel Sensor	4	275	No Univ.
250-25122 New	Wideband Sensor	5	300	No Univ.	250-54077	Air/Fuel Sensor	4	775	No Univ.
250-25123 New	Wideband Sensor	5	850	No Univ.	250-54078	Air/Fuel Sensor	4	300	No Univ.
250-25124 New	Wideband Sensor	5	725	No Univ.	250-54079	Air/Fuel Sensor	4	800	No Univ.
250-25125 New	Wideband Sensor	5	300	No Univ.	250-54080	Air/Fuel Sensor	4	225	No Univ.
250-25126 New	Wideband Sensor	5	750	No Univ.	250-54081	Air/Fuel Sensor	4	600	No Univ.
250-25127 New	Wideband Sensor	5	525	No Univ.	250-54082	Air/Fuel Sensor	4	375	No Univ.
250-25128 New	Wideband Sensor	5	480	No Univ.	250-54083	Air/Fuel Sensor	4	325	No Univ.
250-25129 New	Wideband Sensor	5	1175	No Univ.	250-54084	Air/Fuel Sensor	4	425	No Univ.
250-54002	Air/Fuel Sensor	4	520	No Univ.	250-54085	Air/Fuel Sensor	4	175	No Univ.
250-54003	Air/Fuel Sensor	4	450	No Univ.	250-54086	Air/Fuel Sensor	4	225	No Univ.
250-54004	Air/Fuel Sensor	4	790	No Univ.	250-54089	Air/Fuel Sensor	4	465	No Univ.
250-54005	Air/Fuel Sensor	4	335	No Univ.	250-54092	Air/Fuel Sensor	4	275	No Univ.
250-54006	Air/Fuel Sensor	4	400	No Univ.	250-54102	Air/Fuel Sensor	4	375	No Univ.
250-54007	Air/Fuel Sensor	4	510	No Univ.	250-54103	Air/Fuel Sensor	4	375	No Univ.
250-54008	Air/Fuel Sensor	4	240	No Univ.	250-54104	Air/Fuel Sensor	4	475	No Univ.
250-54009	Air/Fuel Sensor	4	630	No Univ.	250-54105	Air/Fuel Sensor	4	500	No Univ.
250-54010	Air/Fuel Sensor	4	525	No Univ.	250-54106	Air/Fuel Sensor	4	500	No Univ.
250-54011	Air/Fuel Sensor	4	560	No Univ.	250-54107	Air/Fuel Sensor	4	510	No Univ.
250-54013	Air/Fuel Sensor	4	350	No Univ.	250-54108	Air/Fuel Sensor	4	400	No Univ.
250-54014	Air/Fuel Sensor	4	450	No Univ.	250-54109	Air/Fuel Sensor	4	400	No Univ.
250-54015	Air/Fuel Sensor	4	380	No Univ.	250-54110	Air/Fuel Sensor	4	350	No Univ.
250-54018	Air/Fuel Sensor	4	450	No Univ.	250-54111	Air/Fuel Sensor	4	350	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
250-54112	Air/Fuel Sensor	4	425	No Univ.					
250-54113	Air/Fuel Sensor	4	375	No Univ.					
250-54114	Air/Fuel Sensor	4	375	No Univ.					
250-54115 New	Air/Fuel Sensor	4	450	No Univ.					

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
ACURA								
CL								
1997	2.2 L4		F22B1			250-24011		250-24601
1999-1998	2.3 L4		F23A1			250-24011		250-24601
1999-1997	3.0 V6		J30A1			250-24099		250-24601
2003-2001	3.2 V6		J32A1, J32A2			250-241121		250-24343
CSX								
2011-2006	2.0 L4		K20Z2, K20Z3	Canada		250-54040		250-24798
EL								
2000-1999	1.6 L4		D16Y8	Canada		250-24398		250-24105
1998-1997	1.6 L4		D16Y8	Canada		250-24099		250-24105
2005-2004	1.7 L4		D17A2	Canada		250-54011		250-24343
2003	1.7 L4		D17A2	Canada		250-24343		250-24621
2002-2001	1.7 L4		D17A2	Canada		250-24343		250-24429
ILX								
2014	1.5 L4		LEA2	Hybrid		250-54114		250-24917
2013	1.5 L4		LEA2			250-54111		250-24917
2015	2.0 L4		R20A5			250-54065		250-24917
2014-2013	2.0 L4		R20A5			250-54065		250-24786
2017-2016	2.4 L4		K24V7			250-54038		250-24833
2015-2013	2.4 L4		K24Z7			250-54038		250-24917
Integra								
1989-1986	1.6 L4		D16A1			250-21009		
1993-1992	1.7 L4		B17A1			250-24099		
2001-1996	1.8 L4		B18B1, B18C1, B18C5			250-24011		250-24105
1995-1994	1.8 L4		B18B1, B18C1			250-24011		
1993-1992	1.8 L4		B18A1			250-24099		
1991-1990	1.8 L4		B18A1			250-21009		
Legend								
1987-1986	2.5 V6		C25A1		Front Rear	250-21009 250-21009		
1990-1987	2.7 V6		C27A1		Front Rear	250-21009 250-21009		
1995-1991	3.2 V6		C32A1		Front Rear	250-24093 250-24093		
MDX								
2017	3.5 V6		J35Y5		Front Rear	250-25059 250-25059		250-24833 250-24785
2016-2014	3.5 V6		J35Y5		Front Rear	250-25059 250-25059		250-24917 250-24785
2006-2003	3.5 V6		J35A5		Front Rear	250-25001 250-25001		250-24346 250-24391
2002-2001	3.5 V6		J35A3			250-24346		250-24601
2013-2010	3.7 V6		J37A1		Front Rear	250-25059 250-25059		250-24915 250-24785
2009-2007	3.7 V6		J37A1		Front Rear	250-25056 250-25056		250-24785 250-24785
NSX								
2005-2000	3.0 V6		C30A1	A/T A/T	Front Rear	250-24391 250-24391		250-241042 250-24343
1999-1995	3.0 V6		C30A1		Front Rear	250-24093 250-24093		250-24099 250-24121
1994-1991	3.0 V6		C30A1		Front Rear	250-24093 250-24093		
2005-2000	3.2 V6		C32B1	M/T M/T	Front Rear	250-24441 250-24441		250-241042 250-24343
1999-1997	3.2 V6		C32B1		Front Rear	250-24347 250-24348		250-24099 250-24121
RDX								
2012-2007	2.3 L4		K23A1			250-54110		250-24785
2017	3.5 V6		J35Z2		Front Rear	250-25059 250-25059		250-24833 250-24785
2016-2013	3.5 V6		J35Z2		Front Rear	250-25059 250-25059		250-24917 250-24785

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
ACURA (cont'd)								
RL								
2008-2005	3.5 V6		J35A8		Front Rear	250-25001 250-25001		250-24346 250-24391
2004-1996	3.5 V6		C35A1		Front Rear	250-24093 250-24093		•250-24097
2012-2011	3.7 V6		J37A2		Front Rear	250-25059 250-25059		250-24915 250-24785
2010-2009	3.7 V6		J37A2		Front Rear	250-25056 250-25056		250-24785 250-24785
RLX								
2017-2016	3.5 V6		JNB1	Sport Hybrid Sport Hybrid	Front Rear	250-25082 250-25082		250-24917 250-24785
2017-2014	3.5 V6		J35Y4		Front Rear	250-25059 250-25059		250-24917 250-24785
2014	3.5 V6		JNB1	Sport Hybrid Sport Hybrid	Front Rear	250-25082 250-25082		250-24917 250-24785
RSX								
2006-2005	2.0 L4		K20A3	A/T		250-54023		250-24446
2006-2005	2.0 L4		K20A3, K20Z1	M/T, TYPE-S		250-54046		250-24446
2004-2002	2.0 L4		K20A2			250-54013		250-24429
2004-2002	2.0 L4		K20A3	A/T		250-54014		250-24429
2004-2002	2.0 L4		K20A3	M/T		250-54076		250-24429
SLX								
1997-1996	3.2 V6	V	6VD1		Front Rear	250-24012 250-24012		250-24012 250-24012
1999-1998	3.5 V6	X	6VE1		Front Rear	250-24012 250-24012		250-24012 250-24012
TL								
1998-1995	2.5 L5		G25A4			250-24391		250-24097
2008-2007	3.2 V6		J32A3		Front Rear	250-25001 250-25001		250-24785 250-24785
2006	3.2 V6		J32A3	A/T A/T	Front Rear	250-25001 250-25001		250-24346 250-24391
2006	3.2 V6		J32A3	M/T M/T	Front Rear	250-25001 250-25001		250-24391 250-24391
2005-2004	3.2 V6		J32A3		Front Rear	250-25001 250-25001		250-24346 250-24391
2003-2000	3.2 V6		J32A1, J32A2			250-241121		250-24343
1999	3.2 V6		J32A1	Calif-ESV		250-241042		250-24343
1999	3.2 V6		J32A1	Non Calif-ESV		250-241042		250-24601
1998-1996	3.2 V6		C32A6		Front Rear	250-24093 250-24093		•250-24095
2014-2012	3.5 V6		J35Z6		Front Rear	250-25059 250-25059		250-24915 250-24785
2011-2009	3.5 V6		J35Z6		Front Rear	250-25059 250-25059		250-24785 250-24785
2008-2007	3.5 V6		J35A8		Front Rear	250-25001 250-25001		250-24785 250-24785
2014-2012	3.7 V6		J37A4	A/T A/T	Front Rear	250-25059 250-25059		250-24915 250-24785
2014-2012	3.7 V6		J37A4	M/T M/T	Front Rear	250-25059 250-25059		250-24785 250-24785
2011-2009	3.7 V6		J37A4		Front Rear	250-25059 250-25059		250-24785 250-24785
TLX								
2017-2015	2.4 L4		K24W7			250-54038		250-24917
2017-2016	3.5 V6		J35Y6	AWD AWD	Front Rear	250-25059 250-25059		250-24833 250-24785
2017-2015	3.5 V6		J35Y6		Front Rear	250-25059 250-25059		250-24917 250-24785
TSX								
2014	2.4 L4		K24Z3			250-54111		250-24833
2013-2009	2.4 L4		K24Z3			250-54110		250-24833
2008-2004	2.4 L4		K24A2			250-54022		250-24476
2014-2010	3.5 V6		J35Z6		Front Rear	250-25059 250-25059		250-24785 250-24785

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
ACURA (cont'd)								
Vigor								
1994-1992	2.5 L5		G25A1			250-24011		
ZDX								
2013-2010	3.7 V6		J37A5		Front Rear	250-25059 250-25059		250-24915 250-24785
ALFA ROMEO								
164								
1995	3.0 V6	3				250-24132		
1994	3.0 V6	3		From 06/94		250-24145		
1994	3.0 V6	3		To 6/94		250-24132		
1993	3.0 V6	3				250-24132		
1992-1991	3.0 V6	3				250-23048		
GTV-6								
1986-1983	2.5 V6					250-23027		
1982-1981	2.5 V6					250-21015		
Milano								
1989	2.5 V6					250-23048		
1988	2.5 V6					250-23019		
1987	2.5 V6					250-23027		
1989	3.0 V6					250-23048		
1988	3.0 V6					250-23019		
1987	3.0 V6					250-23048		
Spider								
1994-1990	2.0 L4	2				250-23048		
1989-1986	2.0 L4					250-23027		
1985-1982	2.0 L4					250-21015		
AMERICAN MOTORS								
AMX								
1980	4.2 L6	C				250-22007		
Concord								
1982-1980	2.5 L4	B		2 Wire Sensor		250-22001		
1982	2.5 L4	B		1 Wire Sensor		250-21004		
1983-1981	4.2 L6	C				250-21004		
1980	4.2 L6	C				250-22007		
Eagle								
1984	2.5 L4	U				250-21004		
1983	2.5 L4	B, U				250-21003		
1982	2.5 L4	B		Calif-ESV		250-22001		
1982	2.5 L4	B		Non Calif-ESV		250-21004		
1981	2.5 L4	B				250-22001		
1988	4.2 L6	C				250-21001		
1987-1981	4.2 L6	C				250-21004		
1980	4.2 L6	C				250-22007		
Pacer								
1980	4.2 L6	C				250-22007		
Spirit								
1982	2.5 L4	B		Calif-ESV		250-22001		
1982	2.5 L4	B		Non Calif-ESV		250-21004		
1981-1980	2.5 L4	B				250-22001		
1983-1981	4.2 L6	C				250-21004		
1980	4.2 L6	C				250-22007		
AM GENERAL								
Hummer								
1996-1995	5.7 V8	D				250-21001		
ASTON MARTIN								
DB7								
1998-1997	3.2 L6	1				250-23019		
2004-2000	6.0 V12			4 REQ' Upstream only 4 REQ' Upstream only	Left Right	250-24001 250-24001	250-24001 250-24001	250-24001 250-24001

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
ASTON MARTIN (cont'd)								
DB9								
2007-2005	6.0 V12			4 REQ' Upstream only 4 REQ' Upstream only	Left Right	250-24001 250-24001	250-24001 250-24001	250-24001 250-24001
Vanquish								
2006-2002	6.0 V12			4 REQ' Upstream only 4 REQ' Upstream only	Left Right	250-24001 250-24001	250-24001 250-24001	250-24001 250-24001
AUDI								
80								
1990-1988	2.0 L4	A, B	3A			250-23048		
1992-1991	2.3 L5	C, D	NG			250-23048		
80 Quattro								
1992-1988	2.3 L5	C, D	NG			250-23048		
90								
1988	2.0 L4	B	3A			250-23048		
1991-1988	2.3 L5	C, D	NG			250-23048		
1995-1993	2.8 V6	A, J, K	AAH, AFC		Left Right	250-23028 250-23028		
90 Quattro								
1992	2.3 L5	E	7A	Canada		250-23048		
1991-1988	2.3 L5	C, E	7A, NG			250-23048		
1995-1994	2.8 V6	A, E, J, K	AAH, AFC		Left Right	250-23028 250-23028		
1993	2.8 V6	J, K	AAH	From Chassis # 8C-P-190 001 From Chassis # 8C-P-190 001	Left Right	250-23028 250-23028		
1993	2.8 V6	J, K	AAH	To Chassis # 8C-P-190 000 To Chassis # 8C-P-190 000	Left Right	250-23032 250-23032		
100								
1991-1989	2.3 L5	B, C	NF			250-23048		
1994	2.8 V6	J, K	AAH	From Chassis # 4A-R-062 001 From Chassis # 4A-R-062 001	Left Right	250-24405 250-24405		
1994	2.8 V6	J, K	AAH	To Chassis # 4A-R-062 000 To Chassis # 4A-R-062 000	Left Right	250-23028 250-23028		
1993	2.8 V6	J, K	AAH		Left Right	250-23028 250-23028		
1992	2.8 V6	J, K	AAH		Left Right	250-23032 250-23032		
100 Quattro								
1991-1989	2.3 L5	B, C	NF			250-23048		
1994	2.8 V6	K	AAH	From Chassis # 4A-R-062 001 From Chassis # 4A-R-062 001	Left Right	250-24405 250-24405		
1994	2.8 V6	K	AAH	To Chassis # 4A-R-062 000 To Chassis # 4A-R-062 000	Left Right	250-23028 250-23028		
1993	2.8 V6	J, K	AAH	From Chassis # 4A-P-022 307 From Chassis # 4A-P-022 307	Left Right	250-23028 250-23028		
1993	2.8 V6	J, K	AAH	To Chassis # 4A-P-022 306 To Chassis # 4A-P-022 306	Left Right	250-23032 250-23032		
1992	2.8 V6	J, K	AAH		Left Right	250-23032 250-23032		
200								
1991-1989	2.2 L5	C, D	MC			250-23048		
200 Quattro								
1991-1989	2.2 L5	C, D, E	3B, MC			250-23048		
4000								
1980	1.6 L4		YG, YH			250-21011		
1983-1981	1.7 L4	A	WT			250-21011		
1987-1985	1.8 L4	B	MG			250-23019		
1987	1.8 L4	B	MG	Canada		250-23019		
1984	1.8 L4	A	JN			250-21011		
1986-1984	2.2 L5	B, C	KX, WE	Canada		250-21011		
1983-1980	2.2 L5	B	WE			250-21011		
4000 Quattro								
1987-1984	2.2 L5	B	JT			250-21011		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
AUDI (cont'd)								
5000								
1988	2.2 L5	D	MC			250-23048		
1987	2.2 L5	D, E	MC	CS Model		250-23048		
1987	2.2 L5	B	KZ	S Model		250-21011		
1986	2.2 L5	B, D	KZ, MC			250-21011		
1985-1984	2.2 L5	A, B	KZ, WU	Non Turbo		250-23048		
1985-1984	2.2 L5	C	KH	Turbo Charged		250-21011		
1983-1978	2.2 L5	B, C	WD, WE, WK			250-21011		
1988-1987	2.3 L5	B, C	NF			250-23048		
5000 Quattro								
1988-1986	2.2 L5	D, E	MC			250-23048		
1988-1987	2.3 L5	B, C	NF			250-23048		
A3								
2016-2015	1.8 L4		CNSB			250-25115		250-241142
2016-2015	2.0 L4		CRUA, DEJA	Diesel		250-25035		
2013-2011	2.0 L4		CBEA	Diesel		250-25040		250-25037
2013-2008	2.0 L4		CBFA			250-25035	250-24717	250-24672
2013-2006	2.0 L4	F	BPY, CCTA			250-25035		250-24672
2010	2.0 L4		CBEA	Diesel		250-25035		250-25037
A3 Quattro								
2017-2015	2.0 L4		CNTC			250-25112		250-241142
2013-2009	2.0 L4		CCTA			250-25035		250-24672
2009-2006	3.2 V6				Left Right	250-25037 250-25040		250-24954 250-24699
A3 Sportback e-tron								
2017	1.4 L4		CXUA	To 07/25/2016		250-25017		250-241201
2016	1.4 L4		CXUA			250-25017		250-241201
A4								
2006-2001	1.8 L4	C	AMB, AWM			250-25008		250-24689
2000	1.8 L4	C	ATW			250-24689		250-24689
1999-1998	1.8 L4	B	AEB			250-24417		250-24147
1997	1.8 L4	B	AEB			250-24146		250-24147
2017	2.0 L4		CYMC			250-25113		250-241143
2016-2009	2.0 L4		CAEB, CAED			250-25040		250-24672
2009	2.0 L4		BWT	Cabriolet		250-25037		250-24717
2008-2005	2.0 L4	F	BPG, BWT			250-25037		250-24717
2001-2000	2.8 V6	H	ATQ		Left Right	250-24395 250-24395		250-24414 250-24414
1999-1997	2.8 V6	A, D	AHA		Left Right	250-24147 250-24147		250-24174 250-24174
1997-1996	2.8 V6	A	AFC		Left Right	250-23113 250-23113		250-24174 250-24174
2005	3.0 V6		BGN		Left Right	250-25007 250-25007		250-24432 250-24432
2004-2002	3.0 V6	T	AVK		Left Right	250-25007 250-25007		250-24689 250-24689
2008-2006	3.2 V6		BKH		Left Right	250-25017 250-25017		250-24953 250-24669
A4 allroad								
2017	2.0 L4		CYMC			250-25025		250-24672
A4 Quattro								
2005-2001	1.8 L4	C	AMB, AWM			250-25008		250-24689
2000-1998	1.8 L4	B	AEB			250-24417		250-24147
2000	1.8 L4	C	ATW			250-24689		250-24689
1997	1.8 L4	B	AEB			250-24146		250-24147
2017	2.0 L4		CYMC			250-25113		250-241143
2016-2009	2.0 L4		CAEB, CAED, CPMA, CPMB			250-25040		250-24672
2009	2.0 L4		BWT	Cabriolet		250-25037		250-24717
2008-2005	2.0 L4	F	BPG, BWT			250-25037		250-24717
2001-2000	2.8 V6	H	ATQ		Left Right	250-24395 250-24395		250-24414 250-24414
1999-1998	2.8 V6	D	AHA		Left Right	250-24147 250-24147		250-24174 250-24174

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
AUDI (cont'd)								
A4 Quattro (cont'd)								
1997-1996	2.8 V6	A	AFC		Left Right	250-23113 250-23113		250-24174 250-24174
2006	3.0 V6		BGN	Cabriolet Cabriolet	Left Right	250-25007 250-25007		250-24432 250-24432
2005	3.0 V6		BGN		Left Right	250-25007 250-25007		250-24432 250-24432
2004-2002	3.0 V6	T	AVK		Left Right	250-25007 250-25007		250-24689 250-24689
2009-2005	3.2 V6		BKH		Left Right	250-25017 250-25017		250-24953 250-24669
2009	3.2 V6		CALA		Left Right	250-25017 250-25017		250-24753 250-24753
A5								
2014-2010	2.0 L4		CAEB, CAED	Cabriolet		250-25040		250-24672
A5 Quattro								
2017-2010	2.0 L4		CAEB, CAED, CPMA, CPMB			250-25040		250-24672
2010-2008	3.2 V6		CALA		Left Right	250-25017 250-25017		250-24753 250-24753
A6								
2017-2016	2.0 L4		CYNB			250-25120		250-241143
2015-2012	2.0 L4		CAEB, CAED			250-25040		250-24672
2001-2000	2.8 V6	H	ATQ		Left Right	250-24395 250-24395		250-24414 250-24414
1999-1998	2.8 V6	A	AHA		Left Right	250-24147 250-24147		250-24174 250-24174
1997-1996	2.8 V6	A, C	AFC		Left Right	250-23028 250-23028		250-24405 250-24405
1995	2.8 V6	A, C	AFC		Left Right	250-23028 250-23028		
1995	2.8 V6	B	AAH		Left Right	250-24405 250-24405		
2004-2002	3.0 V6	T	AVK		Left Right	250-25007 250-25007		250-24689 250-24689
2011-2010	3.2 V6		CALA		Left Right	250-25017 250-25017		250-24670 250-24669
2009-2006	3.2 V6		BKH		Left Right	250-25017 250-25017		250-24953 250-24669
A6 Quattro								
2017-2016	2.0 L4		CYNB			250-25120		250-241143
2015-2013	2.0 L4		CAEB, CAED			250-25040		250-24672
2004-2002	2.7 V6	D	APB, BEL		Left Right	250-24432 250-24432		250-24689 250-24689
2001-2000	2.7 V6	D	APB		Left Right	250-24395 250-24395		250-24414 250-24414
2001-2000	2.8 V6	H	ATQ		Left Right	250-24395 250-24395		250-24414 250-24414
1999-1998	2.8 V6	A	AFC, AHA		Left Right	250-24147 250-24147		250-24174 250-24174
1997-1996	2.8 V6	A, C	AFC		Left Right	250-23028 250-23028		250-24416 250-24416
1995	2.8 V6	A	AFC		Left Right	250-23028 250-23028		
2017-2016	3.0 V6		CREC, CREH		Left Right	250-25017 250-25017		250-241089 250-241089
2016-2014	3.0 V6		CPNB	Diesel		250-25040		
2015-2012	3.0 V6		CTUA		Left Right	250-25017 250-25017		250-24753 250-24753
2011-2009	3.0 V6		CCAA		Left Right	250-25017 250-25017		250-24953 250-24669
2009	3.0 V6		CAJA		Left Right	250-25017 250-25017		250-24670 250-24669
2004-2002	3.0 V6	T	AVK		Left Right	250-25007 250-25007		250-24689 250-24689
2008-2006	3.2 V6		BKH		Left Right	250-25017 250-25017		250-24953 250-24669
2005	3.2 V6		BKH		Left Right	250-25017 250-25017		250-24670 250-24669

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
AUDI (cont'd)								
A6 Quattro (cont'd)								
2011-2007	4.2 V8		BVJ		Left Right	250-25028 250-25028		250-24672 250-24672
2006-2005	4.2 V8		BNK		Left Right	250-25028 250-25028		250-24717 250-24717
2004-2000	4.2 V8	L	ART, AWN		Left Right	250-24395 250-24395		250-24414 250-24414
A7 Quattro								
2017-2016	3.0 V6		CREC, CREH		Left Right	250-25017 250-25017		250-241089 250-241089
2016-2014	3.0 V6		CPNB	Diesel		250-25040		
2015-2012	3.0 V6		CTUA		Left Right	250-25017 250-25017		250-24753 250-24753
A8								
1999-1997	3.7 V8	F	AEW		Left Right	250-24147 250-24147		250-24416 250-24416
A8 Quattro								
2017-2015	3.0 V6		CREC		Left Right	250-25017 250-25017		250-241054 250-241089
2016-2014	3.0 V6		CPNA, CPNB	Diesel		250-25040		
2014-2013	3.0 V6		CTUB		Left Right	250-25064 250-25064		250-24753 250-24753
2017-2013	4.0 V8		CEUA, CTGA, CTGF		Left Right	250-25113 250-25112		250-24954 250-24955
2012	4.2 V8		CDRA		Left Right	250-25113 250-25112		250-24672 250-24672
2011	4.2 V8		CDRA		Left Right	250-25113 250-25112		250-24672 250-24671
2010-2007	4.2 V8		BVJ		Left Right	250-25028 250-25039		250-24672 250-24672
2006-2004	4.2 V8		BFM, BGK		Left Right	250-25008 250-25004		250-24689 250-24689
2003-2000	4.2 V8	L	AKB, AUX		Left Right	250-24393 250-24393		250-24414 250-24414
1999-1997	4.2 V8	G	ABZ		Left Right	250-24147 250-24147		250-24416 250-24416
2009-2008	6.0 W12		BSB		Cyl 1-3 Cyl 4-6	250-25040 250-25050		250-24493 250-24697
2009-2008	6.0 W12		BSB		Cyl 7-9 Cyl 10-12	250-25052 250-25051		250-24689 250-24689
2007	6.0 W12		BSB	From Chassis/VIN #4E7017 001	Cyl 1-3	250-25019		250-24493
2007	6.0 W12		BSB	From Chassis/VIN #4E7017 001	Cyl 4-6	250-25028		250-24697
2007	6.0 W12		BSB	From Chassis/VIN #4E7017 001	Cyl 7-9	250-25028		250-24689
2007	6.0 W12		BSB	From Chassis/VIN #4E7017 001	Cyl 10-12	250-25028		250-24689
2007	6.0 W12		BSB	To Chassis/VIN #4E7017 000	Cyl 1-3	250-25002		250-24493
2007	6.0 W12		BSB	To Chassis/VIN #4E7017 000	Cyl 4-6	250-25007		250-24697
2007	6.0 W12		BSB	To Chassis/VIN #4E7017 000	Cyl 7-9	250-25021		250-24689
2007	6.0 W12		BSB	To Chassis/VIN #4E7017 000	Cyl 10-12	250-25020		250-24689
2006-2005	6.0 W12		BSB		Cyl 1-3 Cyl 4-6	250-25002 250-25007		250-24493 250-24697
2006-2005	6.0 W12		BSB		Cyl 7-9 Cyl 10-12	250-25021 250-25020		250-24689 250-24689
2016-2015	6.3 W12		CTNA		Cyl 8,10,12 Cyl 1,3,5	250-25040 250-25033		250-241181 250-241142
2016-2015	6.3 W12		CTNA		Cyl 2,4,6 Cyl 7,9,11	250-25040 250-25040		250-241181 250-241181
2014-2012	6.3 W12		CEJA		Cyl 8,10,12 Cyl 1,3,5	250-25111 250-25114		250-24954 250-24955
2014-2012	6.3 W12		CEJA		Cyl 2,4,6 Cyl 7,9,11	250-25118 250-25118		250-241181 250-24671
allroad								
2016-2013	2.0 L4		CPMB			250-25040		250-24672
Allroad Quattro								
2005-2002	2.7 V6	D	APB, BEL		Left Right	250-24432 250-24432		250-24689 250-24689
2001	2.7 V6	P	APB		Left Right	250-24395 250-24395		250-24414 250-24414
2005-2004	4.2 V8		BAS		Left Right	250-25007 250-25007		250-24689 250-24689

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
AUDI (cont'd)								
Allroad Quattro (cont'd)								
2003	4.2 V8		BAS		Left Right	250-25002 250-25002		250-24493 250-24493
Cabriolet								
1998-1994	2.8 V6	A, L	AAH, AFC		Left Right	250-23028 250-23028		250-24417 250-24417
Coupe								
1987-1981	2.2 L5	A, B, D, E	KX, WE			250-21011		
1987	2.3 L5	C	NG			250-23048		
Coupe Quattro								
1991-1990	2.3 L5	E	7A			250-23048		
Q3								
2017-2015	2.0 L4		CCTA			250-25049		250-24672
Q3 Quattro								
2017	2.0 L4		CCTA			250-25049		250-24672
2016-2015	2.0 L4		CCTA					250-24672
Q5								
2017-2011	2.0 L4		CAEB, CPMA, CPMB			250-25040		250-24672
2016-2013	2.0 L4		CHJA			250-25113		250-24672
2017-2013	3.0 V6		CTUC		Left Right	250-25017 250-25017		250-24753 250-24753
2016-2014	3.0 V6		CPNB	Diesel		250-25040		250-24753
2012-2009	3.2 V6		CALB		Left Right	250-25017 250-25017		250-24753 250-24753
Q7								
2015-2013	3.0 V6		CNRB	Diesel				250-25049
2015-2011	3.0 V6		CJWB, CJWC, CJWE, CTWA, CTWB		Left Right	250-25081 250-25017		250-24670 250-24994
2012-2009	3.0 V6		CATA	Diesel				250-25040
2010-2007	3.6 V6		BHK		Left Right	250-25040 250-25040		250-24671 250-24672
2010-2007	4.2 V8		BAR		Left Right	250-25020 250-25020		250-24726 250-24717
Quattro								
1986	2.2 L5	C	WX	Canada		250-21011		
1985-1983	2.2 L5	C	WX			250-21011		
R8								
2015-2014	4.2 V8		CNDA		Left Right	250-25015 250-25028		250-24717 250-24717
2012-2008	4.2 V8		BYH, CNDA		Left Right	250-25028 250-25015		250-24717 250-24717
2015-2014	5.2 V10		CTPA, CTYA		Left Right	250-25040 250-25040		250-24717 250-24717
2012-2010	5.2 V10		BUJ, CMPA		Left Right	250-25040 250-25040		250-24717 250-24717
RS4								
2008-2007	4.2 V8		BNS		Left Right	250-25028 250-25028		250-24954 250-24699
RS5								
2015-2013	4.2 V8		CFSA	Cabriolet Cabriolet	Left Right	250-25113 250-25113		250-24672 250-24672
2015-2013	4.2 V8		CFSA	Coupe Coupe	Left Right	250-25113 250-25113		250-24692 250-24692
RS6								
2004-2003	4.2 V8		BCY		Left Right	250-24394 250-24394		250-24414 250-24414
RS7								
2017-2014	4.0 V8		CRDB, CWUB, CWUC		Left Right	250-25113 250-25112		250-24954 250-24955
S3								
2017-2015	2.0 L4		CYFB			250-25112		250-241142
S4								
1994-1992	2.2 L5	P, R	AAN			250-23102		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
AUDI (cont'd)								
S4 (cont'd)								
2002-2000	2.7 V6	D	APB		Left Right	250-24395 250-24395		250-24414 250-24414
2016-2015	3.0 V6		CTUB		Left Right	250-25017 250-25017		250-24753 250-24753
2014	3.0 V6				Left Right	250-25064 250-25064		250-24753 250-24753
2013-2010	3.0 V6		CCBA, CGXC		Left Right	250-25017 250-25017		250-24753 250-24753
2009-2004	4.2 V8		BHF		Left Right	250-25007 250-25007		250-24689 250-24689
S5								
2017-2015	3.0 V6		CTUB		Left Right	250-25017 250-25017		250-24753 250-24753
2014	3.0 V6				Left Right	250-25064 250-25064		250-24753 250-24753
2013-2010	3.0 V6		CAKA, CCBA, CGXC		Left Right	250-25017 250-25017		250-24753 250-24753
2012	4.2 V8		CAUA		Left Right	250-25038 250-25038		250-24672 250-24672
2011-2008	4.2 V8		CAUA		Left Right	250-25038 250-25038		250-24692 250-24692
S6								
1997-1996	2.2 L5	A	AAN	Canada		250-23019		
1995	2.2 L5	A	AAN			250-23102		
2017-2013	4.0 V8		CEUC, CTGE		Left Right	250-25113 250-25112		250-24954 250-24955
2003-2002	4.2 V8	U	BBD		Left Right	250-24395 250-24395		250-24414 250-24414
2011-2010	5.2 V10		BXA		Cyl 1-3 Cyl 4,5	250-25040 250-25026		250-24692 250-24699
2011-2010	5.2 V10		BXA		Cyl 6-8 Cyl 9,10	250-25040 250-25040		250-24955 250-24767
2009-2008	5.2 V10		BXA		Cyl 1-3 Cyl 4,5	250-25025 250-25026		250-24692 250-24699
2009-2008	5.2 V10		BXA		Cyl 6-8 Cyl 9,10	250-25025 250-25040		250-24955 250-24767
2007	5.2 V10		BXA		Cyl 1-3 Cyl 4,5	250-25038 250-25015		250-24692 250-24699
2007	5.2 V10		BXA		Cyl 6-8 Cyl 9,10	250-25030 250-25027		250-24955 250-24767
S7								
2017-2013	4.0 V8		CEUC, CTGE		Left Right	250-25113 250-25112		250-24954 250-24955
S8								
2017-2013	4.0 V8		CGTA, CTFA, DDTA		Left Right	250-25113 250-25112		250-24954 250-24955
2003-2001	4.2 V8	U	AYS		Left Right	250-24393 250-24393		250-24414 250-24414
2009-2008	5.2 V10		BSM		Cyl 1-3 Cyl 4,5	250-25040 250-25037		250-24699 250-24699
2009-2008	5.2 V10		BSM		Cyl 6-8 Cyl 9,10	250-25040 250-25037		250-24692 250-24692
2007	5.2 V10		BSM		Cyl 1-3 Cyl 4,5	250-25019 250-25032		250-24699 250-24699
2007	5.2 V10		BSM		Cyl 6-8 Cyl 9,10	250-25030 250-25041		250-24692 250-24692
SQ5								
2017-2014	3.0 V6		CTUD		Left Right	250-25017 250-25017		250-24753 250-24753
TT								
2006-2001	1.8 L4	C, X	AWP			250-25008		250-24689
2001-2000	1.8 L4	C	ATC			250-24689		250-24432
2009-2008	2.0 L4	F	BPY, CCTA			250-25035		250-24717
TT Quattro								
2006-2003	1.8 L4		BEA			250-25007		250-24432
2002-2001	1.8 L4	C, X	AWP			250-25008		250-24432

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
AUDI (cont'd)								
TT Quattro (cont'd)								
2002	1.8 L4	T	AMU			250-24263		250-24432
2001	1.8 L4	T	AMU	From Chassis/VIN #8N-1-034 001		250-24263		250-24432
2001	1.8 L4	T	AMU	To Chassis/VIN #8N-1-034 000		250-24263		250-24689
2000	1.8 L4	C	ATC			250-24689		250-24689
2017-2016	2.0 L4		CNTC, CYFB			250-25112		250-241142
2015-2009	2.0 L4		CCTA, CDMA, CETA			250-25035		250-24717
2013-2012	2.5 L5		CEPB			250-25026		250-24672
2009-2008	3.2 V6		CBRA		Left	250-25037		250-24755
					Right	250-25040		250-24762
2006-2004	3.2 V6		BHE		Left	250-25008		250-24494
					Right	250-25004		250-24432
V8 Quattro								
1991-1990	3.6 V8	E	PT	A/T		250-23102		
1991-1990	3.6 V8	E	PT	M/T		250-23048		
1994-1992	4.2 V8	W	ABH			250-23048		
BENTLEY								
Arnage								
2004-2003	6.8 V8				Left	250-24495		250-24495
					Right	250-24495		250-24495
Continental								
2003	6.0 W12				Left	250-25008		250-24493
					Right	250-25003		250-24493
Turbo R								
1994	6.8 V8					250-24046		
1993	6.8 V8			From 04/93		250-24046		
BMW								
1 Series M								
2011	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
128i								
2013-2008	3.0 L6		N51B30A, N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
135i								
2013-2011	3.0 L6		N55B30A			250-25106		250-24991
2010-2008	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
135is								
2013	3.0 L6		N55B30A			250-25106		250-24991
228i								
2016-2014	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
228i xDrive								
2016-2015	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
318i								
1995-1992	1.8 L4		M42			250-24607		
1991	1.8 L4		M42			250-24824		
1985	1.8 L4		M10	From 12/84		250-23031		
1985	1.8 L4		M10	To 12/84		250-21015		
1984	1.8 L4		M10			250-21015		
1999	1.9 L4		M44	Canada		250-24611		250-24390
1998-1996	1.9 L4		M44			250-24611		250-24390
318is								
1995-1992	1.8 L4		M42			250-24607		
1991	1.8 L4		M42			250-24025		
1999-1998	1.9 L4		M44	Canada		250-24611		250-24390
1997-1996	1.9 L4		M44			250-24611		250-24390
318ti								
1995	1.8 L4		M42			250-24607		
1999-1996	1.9 L4		M44			250-24611		250-24390

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
320i								
1983-1980	1.8 L4		M10			250-21015		
2017-2013	2.0 L4		N20B20A			250-25089		250-241027
2012	2.0 L4		N20B20A	Canada		250-25089		250-241027
1979	2.0 L4		M10			250-21015		
1992	2.0 L6		M50B20	Canada		250-21015		
2005-2001	2.2 L6		M54	Canada Canada	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
320i xDrive								
2017-2013	2.0 L4		N20B20A			250-25089		250-241027
323Ci								
2000	2.5 L6		M52		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
323i								
2011-2010	2.5 L6		N52N	Canada Canada	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24465 250-24713
2009-2007	2.5 L6		N52N	Canada Canada	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	2.5 L6		N52	Canada; From 12/05 Canada; From 12/05	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	2.5 L6		N52	Canada; To 12/05 Canada; To 12/05	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24464 250-24465
2000	2.5 L6				Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1999	2.5 L6			Convertible		250-24810		250-24810
1999	2.5 L6			Sedan Sedan	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1998	2.5 L6					250-24516		250-24810
323is								
1999-1998	2.5 L6		M52		Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24516 250-24516
325								
1988	2.7 L6		M20			250-23016		
1987-1986	2.7 L6		M20			250-24310		
325Ci								
2006-2004	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003	2.5 L6		M56		Cyl 1-3 Cyl 4-6	250-25004 250-25004		250-24677 250-24677
2003	2.5 L6		M54	From 03/2003 From 03/2003	Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003	2.5 L6		M54	To 03/2003 To 03/2003	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2002-2001	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
325e								
1987-1984	2.7 L6		M20			250-23016		
325es								
1987-1986	2.7 L6		M20			250-23016		
325i								
2005-2004	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2005-2003	2.5 L6		M56		Cyl 1-3 Cyl 4-6	250-25004 250-25004		250-24677 250-24677
2003	2.5 L6		M54	From 03/03 From 03/03	Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003	2.5 L6		M54	To 03/03 To 03/03	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2002-2001	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1995-1992	2.5 L6		M20, M50, M50TU			250-24605		
1991-1989	2.5 L6		M20			250-24024		
1988	2.5 L6		M20	From 9/87		250-24024		
1988	2.5 L6		M20	To 9/87		250-24310		
1987	2.5 L6		M20			250-24024		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
325i (cont'd)								
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24713 250-24465
325is								
1995-1994	2.5 L6		M50TU	A/T		250-24605		
1995-1994	2.5 L6		M50TU	M/T		250-24607		
1993	2.5 L6		M50TU			250-24605		
1992	2.5 L6		M50	A/T		250-24605		
1992	2.5 L6		M50	M/T		250-24607		
1991-1989	2.5 L6		M20			250-24024		
1988	2.5 L6		M20	From 9/87		250-24024		
1988	2.5 L6		M20	To 9/87		250-24310		
1987	2.5 L6		M20			250-24310		
325iX								
1991-1989	2.5 L6		M20			250-24024		
1988	2.5 L6		M20	From 9/87		250-24024		
1988	2.5 L6		M20	To 9/87		250-24310		
325xi								
2005-2001	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24713 250-24465
328Ci								
2000	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
328d								
2017-2014	2.0 L4		N47D20			250-25042		250-25046
328d xDrive								
2017-2014	2.0 L4		N47D20			250-25042		250-25046
328i								
2016-2012	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
2000-1999	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1999	2.8 L6		M52	Convertible Convertible	Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24810 250-24810
1998-1996	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24810 250-24810
2013-2007	3.0 L6		N51B30A, N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
328i GT xDrive								
2016-2014	2.0 L4		N20B20A			250-25089		250-241027
328is								
1999-1996	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24810 250-24810
328i xDrive								
2016-2013	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
2013-2009	3.0 L6		N51B30A, N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
328xi								
2008-2007	3.0 L6		N51B30A, N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
330Ci								
2006-2004	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003	3.0 L6		M54	From 03/03 From 03/03	Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003	3.0 L6		M54	To 03/03 To 03/03	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2002-2001	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
330i								
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24713 250-24465
2005-2004	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003	3.0 L6		M54	From 03/03 From 03/03	Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003	3.0 L6		M54	To 03/03 To 03/03	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2002-2001	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
330xi								
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24713 250-24465
2005-2001	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
335d								
2011-2009	3.0 L6		M57T2D30	Diesel				250-25035
335i								
2015-2014	3.0 L6		N55B30A			250-25089		250-241161
2013-2011	3.0 L6		N55B30A			250-25106		250-24991
2010-2007	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
335i GT xDrive								
2016-2014	3.0 L6		N55B30A			250-25106		250-24991
335is								
2013-2011	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
335i xDrive								
2015-2014	3.0 L6		N55B30A			250-25089		250-241161
2013-2011	3.0 L6		N55B30A			250-25106		250-24993
2010-2009	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
335xi								
2008-2007	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
428i								
2016-2014	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
428i Gran Coupe								
2016-2015	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
428i xDrive								
2016-2014	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
428i xDrive Gran Coupe								
2016-2015	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
435i								
2016-2014	3.0 L6		N55B30A			250-25089		250-241161
435i Gran Coupe								
2016-2015	3.0 L6		N55B30A			250-25089		250-241161
435i xDrive								
2016-2014	3.0 L6		N55B30A			250-25089		250-241161
435i xDrive Gran Coupe								
2016-2015	3.0 L6		N55B30A			250-25089		250-241161
525i								
2005-2004	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003-2001	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1995-1993	2.5 L6		M50			250-24021		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
525i (cont'd)								
1992-1989	2.5 L6		M20, M50			250-24613		
2007	3.0 L6		N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24464 250-24465
525iT								
1993	2.5 L6		M50			250-24021		
525xi								
2007	3.0 L6		N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24464 250-24465
528e								
1988	2.7 L6		M20			250-24310		
1987-1982	2.7 L6		M20			250-21015		
528i								
2016-2012	2.0 L4		N20B20A			250-25089		250-241027
2000-1999	2.8 L6		M52TU		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1998-1997	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24810 250-24810
1981-1979	2.8 L6		M30			250-21015		
2011	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25046 250-25045		250-24997 250-241027
2010-2008	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
528i xDrive								
2016-2012	2.0 L4		N20B20A			250-25089		250-241027
2010-2009	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
528xi								
2008	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
530i								
2007	3.0 L6		N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24464 250-24465
2005-2004	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2003-2001	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1995	3.0 V8		M60	A/T A/T	Left Right	250-24381 250-24381		
1995	3.0 V8		M60	M/T M/T	Left Right	250-24380 250-24380		
1994	3.0 V8		M60	A/T; From 06/1994 A/T; From 06/1994	Left Right	250-24381 250-24381		
1994	3.0 V8		M60	A/T; To 06/1994 A/T; To 06/1994	Left Right	250-24605 250-24605		
1994	3.0 V8		M60	M/T; From 06/1994 M/T; From 06/1994	Left Right	250-24380 250-24380		
1994	3.0 V8		M60	M/T; To 06/1994 M/T; To 06/1994	Left Right	250-24607 250-24607		
530xi								
2007	3.0 L6		N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	From 11/2005 From 11/2005	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
530xi (cont'd)								
2006	3.0 L6		N52	To 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24464 250-24465
533i								
1984-1983	3.2 L6		M30			250-21015		
535d								
2016-2014	3.0 L6		N57D30T	Diesel		250-25035	250-25043	250-25043
535d xDrive								
2016-2014	3.0 L6		N57D30T	Diesel		250-25035	250-25043	250-25043
535i								
2016-2011	3.0 L6		N55B30A			250-25089		250-24991
2010-2008	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25048 250-25047		250-24713 250-24466
1993-1988	3.5 L6		M30			250-24382		
1987	3.5 L6		M30			250-23034		
1986-1985	3.5 L6		M30			250-23016		
535i GT								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2010	3.0 L6		N55B30A			250-25089		250-24991
535i GT xDrive								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2011	3.0 L6		N55B30A			250-25089		250-24991
535is								
1988	3.5 L6		M30			250-24382		
535i xDrive								
2016-2013	3.0 L6		N55B30A			250-25089		250-24991
2012-2011	3.0 L6		N55B30A			250-25106		250-24991
2010-2009	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25048 250-25047		250-24713 250-24466
535xi								
2008	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25048 250-25047		250-24713 250-24466
540i								
1995	4.0 V8		M60		Left Right	250-24381 250-24381		
1994	4.0 V8		M60	From 3/94 From 3/94	Left Right	250-24380 250-24380		
1994	4.0 V8		M60	To 3/94 To 3/94	Left Right	250-24605 250-24605		
2003-1997	4.4 V8		M62		Left Right	250-24611 250-24611		250-24125 250-24125
545i								
2005-2004	4.4 V8		N62	A/T A/T	Left Right	250-25003 250-25003		250-24638 250-24638
2005-2004	4.4 V8		N62	M/T M/T	Left Right	250-25002 250-25004		250-24638 250-24638
550i								
2016-2011	4.4 V8		N63B44A, N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
2010-2006	4.8 V8		N62B48B	A/T A/T	Left Right	250-25044 250-25044		250-24713 250-24464
2010-2006	4.8 V8		N62B48B	M/T M/T	Left Right	250-25043 250-25046		250-24713 250-24464
550i GT								
2015-2010	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
550i GT xDrive								
2017-2010	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
550i xDrive								
2016-2011	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
633CSi								
1984-1980	3.2 L6		M30			250-21015		
635CSi								
1989-1988	3.5 L6		M30			250-24382		
1987	3.5 L6		M30			250-23034		
1986-1985	3.5 L6		M30			250-23016		
640i								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2014	3.0 L6		N55B30A			250-25089		250-24991
2013-2012	3.0 L6		N55B30A			250-25106		250-24991
640i Gran Coupe								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2015	3.0 L6		N55B30A			250-25089		250-24991
2014-2013	3.0 L6		N55B30A			250-25106		250-24991
640i xDrive								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2014	3.0 L6		N55B30A			250-25089		250-24991
640i xDrive Gran Coupe								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2015	3.0 L6		N55B30A			250-25089		250-24991
2014	3.0 L6		N55B30A			250-25106		250-24991
645Ci								
2005-2004	4.4 V8		N62	A/T	Left	250-25003		250-24638
				A/T	Right	250-25003		250-24638
2005-2004	4.4 V8		N62	M/T	Left	250-25002		250-24638
				M/T	Right	250-25004		250-24638
650i								
2017-2012	4.4 V8		N63B44B		Left	250-25087		250-24713
					Right	250-25087		250-24713
2010-2006	4.8 V8		N62B48B	A/T	Left	250-25044		250-24713
				A/T	Right	250-25044		250-24464
2010-2006	4.8 V8		N62B48B	M/T	Left	250-25043		250-24713
				M/T	Right	250-25046		250-24464
650i Gran Coupe								
2017-2013	4.4 V8		N63B44B		Left	250-25087		250-24713
					Right	250-25087		250-24713
650i xDrive								
2017-2012	4.4 V8		N63B44B		Left	250-25087		250-24713
					Right	250-25087		250-24713
650i xDrive Gran Coupe								
2017-2013	4.4 V8		N63B44B		Left	250-25087		250-24713
					Right	250-25087		250-24713
733i								
1984-1979	3.2 L6		M30			250-21015		
735i								
1992-1988	3.5 L6		M30			250-24382		
1987-1986	3.5 L6		M30			250-24023		
1985	3.5 L6		M30			250-23016		
735iL								
1992-1988	3.5 L6		M30			250-24382		
740i								
2015	3.0 L6		N55B30A			250-25089		250-24991
2014-2013	3.0 L6		N55B30A			250-25106		250-24991
2012-2011	3.0 L6				Cyl 1-3	250-25048		250-24466
					Cyl 4-6	250-25046		250-24713
1995	4.0 V8		M60		Left	250-24380		
					Right	250-24380		
1994-1993	4.0 V8		M60		Left	250-24605		
					Right	250-24605		
2001-1997	4.4 V8		M62		Left	250-24611		250-24125
					Right	250-24611		250-24125

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
740iL								
1995	4.0 V8		M60		Left Right	250-24380 250-24380		
1994-1993	4.0 V8		M60		Left Right	250-24605 250-24605		
2001-1996	4.4 V8		M62		Left Right	250-24611 250-24611		250-24125 250-24125
740Ld xDrive								
2015	3.0 L6		N57D30T			250-25043		
740Li								
2015-2013	3.0 L6		N55B30A			250-25106		250-24991
2012-2011	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25048 250-25046		250-24713 250-24466
740Li xDrive								
2015-2013	3.0 L6		N55B30A			250-25089		250-24991
745i								
2005-2004	4.4 V8		N62		Left Right	250-25003 250-25003		250-24638 250-24638
2003	4.4 V8		N62	From 9/02 From 9/02	Left Right	250-25003 250-25003		250-24638 250-24638
2003	4.4 V8		N62	To 9/02 To 9/02	Left Right	250-25003 250-25002		250-24638 250-24638
2002	4.4 V8		N62		Left Right	250-25003 250-25002		250-24638 250-24638
745Li								
2005-2004	4.4 V8		N62		Left Right	250-25003 250-25003		250-24638 250-24638
2003	4.4 V8		N62	From 9/02 From 9/02	Left Right	250-25003 250-25003		250-24638 250-24638
2003	4.4 V8		N62	To 9/02 To 9/02	Left Right	250-25003 250-25002		250-24638 250-24638
2002	4.4 V8		N62		Left Right	250-25003 250-25002		250-24638 250-24638
750i								
2016-2009	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
2008-2006	4.8 V8		N62B48		Left Right	250-25044 250-25044		250-24713 250-24464
750iL								
1994-1988	5.0 V12		M70		Left Right	250-24035 250-24035		
2001-1998	5.4 V12		M73N		Left Right	250-24611 250-24611		250-24390 250-24390
1998-1995	5.4 V12		M73		Left Right	250-24611 250-24611		250-24125 250-24125
750i xDrive								
2016-2010	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
750Li								
2015-2009	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
2008-2006	4.8 V8		N62B48		Left Right	250-25044 250-25044		250-24713 250-24464
750Li xDrive								
2015-2010	4.4 V8		N63B44A, N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
760i								
2006-2004	6.0 V12		N73		Left Right	250-25003 250-25003		250-24638 250-24638
760Li								
2015-2010	6.0 V12		N74B60A		Left Right	250-25087 250-25087		250-24713 250-24713
2008-2007	6.0 V12		N73		Left Right	250-25044 250-25044		250-24464 250-24464

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
760Li (cont'd)								
2006-2003	6.0 V12		N73		Left Right	250-25003 250-25003		250-24638 250-24638
840Ci								
1995	4.0 V8		M60		Left Right	250-24380 250-24380		
1994	4.0 V8		M60		Left Right	250-24607 250-24607		
1997-1996	4.4 V8		M62		Left Right	250-24611 250-24611		250-24125 250-24125
850Ci								
1994-1993	5.0 V12		M70		Left Right	250-24035 250-24035		
1997-1995	5.4 V12		M73		Left Right	250-24611 250-24611		250-24125 250-24125
850CSi								
1995-1994	5.6 V12		S70		Left Right	250-24024 250-24024		
850i								
1992-1991	5.0 V12		M70		Left Right	250-24035 250-24035		
ActiveHybrid 3								
2015-2014	3.0 L6		N55B30A			250-25089		250-241161
2013	3.0 L6		N55B30A			250-25106		250-24991
ActiveHybrid 5								
2016-2014	3.0 L6		N55B30A			250-25089		250-241161
2014-2012	3.0 L6		N55B30A			250-25089		250-24991
ActiveHybrid 7								
2015-2013	3.0 L6		N55B30A			250-25089		250-24991
Alpina B6 xDrive Gran Coupe								
2017-2015	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
Alpina B7								
2015-2011	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
2008-2007	4.4 V8		N62B44		Left Right	250-25003 250-25003		250-24638 250-24638
Alpina B7L								
2015-2011	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
Alpina B7L xDrive								
2015-2011	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
Alpina B7 xDrive								
2015-2011	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
i3								
2017-2014	0.6 L2		W20K06A			250-25089		250-241161
i8								
2017-2014	1.5 L3		B38T			250-25089		250-241161
L6								
1987	3.5 L6		M30			250-23034		
L7								
1987-1986	3.5 L6		M30			250-24023		
M2								
2017-2016	3.0 L6		N55B30A			250-25089		250-241161
M3								
1991-1988	2.3 L4		S14			250-23031		
2017-2015	3.0 L6		S55B30		Left Right	250-25123 250-25089		250-241179 250-241161

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
M3 (cont'd)								
1995	3.0 L6		S50	A/T A/T	Cyl 1-3 Cyl 4-6	250-24605 250-24605		
1995	3.0 L6		S50	M/T M/T	Cyl 1-3 Cyl 4-6	250-24607 250-24607		
1994	3.0 L6		S50	Canada Canada	Cyl 1-3 Cyl 4-6	250-24607 250-24607		
2006-2001	3.2 L6		S54		Cyl 1-3 Cyl 4-6	250-24445 250-24143		250-24478 250-24444
1999-1996	3.2 L6		S52		Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24810 250-24810
2013-2008	4.0 V8		S65B40A		Left Right	250-25042 250-25042		250-24464 250-24464
M4								
2017-2015	3.0 L6		S55B30		Left Right	250-25123 250-25089		250-241179 250-241161
M5								
1988	3.5 L6		S38			250-23034		
1993-1991	3.6 L6		S38			250-24382		
2016-2013	4.4 V8		S63B44B		Left Right	250-25087 250-25087		250-24465 250-24465
2003-2000	5.0 V8		S62		Left Right	250-24611 250-24611		250-24125 250-24125
2010-2006	5.0 V10		S85B50A		Left Right	250-25044 250-25044		250-24638 250-24638
M6								
1988-1987	3.5 L6		S38		Cyl 1-3 Cyl 4-6	250-23034 250-23034		
2017-2012	4.4 V8		S63B44B		Left Right	250-25087 250-25087		250-24465 250-24465
2010-2006	5.0 V10		S85B50A		Left Right	250-25044 250-25044		250-24638 250-24638
M6 Gran Coupe								
2017-2014	4.4 V8		S63B44B		Left Right	250-25087 250-25087		250-24465 250-24465
M235i								
2016-2014	3.0 L6		N55B30A			250-25089		250-241161
M235i xDrive								
2016-2015	3.0 L6		N55B30A			250-25089		250-241161
X1								
2017-2016	2.0 L4		B46A20B			250-25106		250-241192
2015-2013	2.0 L4		N20B20A			250-25089		250-241027
2012	2.0 L4		N20B20A	Canada		250-25089		250-241027
2015-2013	3.0 L6		N55B30A			250-25106		250-24993
X3								
2017-2015	2.0 L4		N47D20			250-25042		250-25046
2017-2013	2.0 L4		N20B20A			250-25089		250-241027
2006	2.5 L6		M54	Canada Canada	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2005-2004	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2017-2011	3.0 L6		N55B30A			250-25106		250-24991
2012-2011	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25046 250-25045		250-241027 250-24997
2010-2007	3.0 L6		N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2010	3.0 L6		N52B30A	Canada Canada	Cyl 1-3 Cyl 4-6	250-25046 250-25045		250-241027 250-24997
2006-2004	3.0 L6		M54	A/T A/T	Cyl 1-3 Cyl 4-6	250-25016 250-25016		250-24677 250-24677
2006-2004	3.0 L6		M54	M/T M/T	Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
X4								
2017-2015	2.0 L4		N20B20A			250-25089		250-241027
2017-2016	3.0 L6		N55B30A			250-25089		250-241161
2015	3.0 L6		N55B30A			250-25106		250-24991

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
X5								
2017-2016	2.0 L4		N20B20A			250-25089		250-241027
2017-2016	3.0 L6		N55B30A			250-25089		250-241161
2017	3.0 L6		N57D30T	Diesel				250-25035
2016	3.0 L6		N57D30T	Diesel		250-25035		250-25042
2015-2014	3.0 L6		N55B30A		Cyl 1-3 Cyl 4-6	250-25089 250-25089		250-241161 250-241161
2015	3.0 L6		N57D30T			250-25035		250-25042
2014	3.0 L6			Diesel		250-25035		250-25042
2013-2011	3.0 L6		N55B30A		Cyl 1-3 Cyl 4-6	250-25089 250-25089		250-24991 250-24991
2013-2009	3.0 L6		M57T2D30	Diesel				250-25035
2011	3.0 L6		N55B30A			250-25089		250-24991
2010-2007	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2006-2001	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2017-2011	4.4 V8		N63B44A, N63B44B, S63R		Left Right	250-25087 250-25087		250-24713 250-24713
2013-2010	4.4 V8		S63B44A		Left Right	250-25087 250-25087		250-24464 250-24464
2006-2004	4.4 V8		N62		Left Right	250-25003 250-25002		250-24657 250-24638
2003-2000	4.4 V8		M62		Left Right	250-24611 250-24611		250-24390 250-24390
2003-2002	4.6 V8		M62		Left Right	250-24611 250-24611		250-24390 250-24390
2010-2007	4.8 V8		N62B48B		Left Right	250-25046 250-25044		250-24464 250-24464
2006-2004	4.8 V8		N62B48		Left Right	250-25003 250-25002		250-24657 250-24638
X6								
2017	3.0 L6		N55B30A		Cyl 1-3 Cyl 4-6	250-25089 250-25089		250-241161 250-241161
2016-2011	3.0 L6		N55B30A		Cyl 1-3 Cyl 4-6	250-25089 250-25089		250-24991 250-24991
2010-2008	3.0 L6				Cyl 1-3 Cyl 4-6	250-25048 250-25047		250-24713 250-24466
2017-2015	4.4 V8		N63B44B, S63R		Left Right	250-25087 250-25087		250-24713 250-24713
2014	4.4 V8		S63B44A	M Model M Model	Left Right	250-25087 250-25087		250-24464 250-24464
2014	4.4 V8		N63B44A	xDrive50i xDrive50i	Left Right	250-25087 250-25087		250-24713 250-24713
2013	4.4 V8		N63B44A, N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
2013	4.4 V8		S63B44, S63B44A		Left Right	250-25087 250-25087		250-24464 250-24464
2012-2011	4.4 V8			Exc. M Model Exc. M Model	Left Right	250-25087 250-25087		250-24713 250-24713
2012-2010	4.4 V8			M Model M Model	Left Right	250-25087 250-25087		250-24464 250-24464
2010-2008	4.4 V8				Left Right	250-25087 250-25087		250-24713 250-24466
Z3								
1998-1996	1.9 L4		M44			250-24611		250-24125
2002-1999	2.5 L6		M52, M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2000-1999	2.8 L6		M52TU		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
1998	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24516 250-24516		250-24810 250-24810
1997	2.8 L6		M52			250-24516		250-24810
2002-2001	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2002-2001	3.2 L6		S54		Cyl 1-3 Cyl 4-6	250-24445 250-24143		250-24478 250-24444
2000-1998	3.2 L6		S52		Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24515 250-24515

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BMW (cont'd)								
Z4								
2016-2012	2.0 L4		N20B20A			250-25089		250-241027
2005-2003	2.5 L6		M54		Cyl 1-3	250-24611		250-24392
					Cyl 4-6	250-24611		250-24392
2016-2015	3.0 L6		N54B30A		Cyl 1-3	250-25018		250-24465
					Cyl 4-6	250-25047		250-24713
2014-2009	3.0 L6		N52KB30, N54B30A		Cyl 1-3	250-25018		250-24713
					Cyl 4-6	250-25047		250-24465
2011-2006	3.0 L6		N52, N52B30A		Cyl 1-3	250-25018		250-24713
					Cyl 4-6	250-25046		250-24465
2005-2003	3.0 L6		M54		Cyl 1-3	250-24611		250-24392
					Cyl 4-6	250-24611		250-24392
2008-2006	3.2 L6		S54		Cyl 1-3	250-25046		250-24478
					Cyl 4-6	250-25046		250-24444
Z8								
2003	4.8 V8				Left	250-24611		250-24125
					Right	250-24611		250-24125
2003-2000	5.0 V8		S62		Left	250-24611		250-24125
					Right	250-24611		250-24125
BUICK								
Allure								
2010	3.0 V6	G	LF1		Front	250-24649		250-24649
					Rear	250-24649		250-24649
2010	3.6 V6	V	LLT	Canada	Front	250-24649		250-24649
				Canada	Rear	250-24649		250-24649
2008-2005	3.6 V6	7		Canada		250-25002		250-24649
2009-2008	3.8 V6	2		Canada w/ Calif-ESV		250-24470		250-24248
2009-2008	3.8 V6	2		Canada w/ Non Calif-ESV		250-24273		250-24248
2007-2005	3.8 V6	2		Canada w/ Calif-ESV		250-24470		250-24836
2007-2005	3.8 V6	2		Canada w/ Non Calif-ESV		250-24273		250-24836
2009-2008	5.3 V8	C	LS4	Canada		250-24703		250-24703
Cascada								
2018-2016	1.6 L4	5	LWC			250-241133		250-241132
Century								
1996	2.2 L4	4				250-21001		250-24340
1995-1993	2.2 L4	4				250-21001		
1992-1982	2.5 L4	5, R				250-21001		
1983	2.5 L4	5		Canada		250-21001		
1989-1986	2.8 V6	W, X				250-21001		
1985-1982	2.8 V6	X		Canada		250-21001		
1985-1982	3.0 V6	E				250-21001		
2005	3.1 V6	J				250-24269		250-24836
2004-2001	3.1 V6	J				250-24269		250-24340
2000-1997	3.1 V6	J, M				250-24018		250-24340
1996	3.1 V6	M				250-24012		250-24340
1995-1994	3.1 V6	M				250-24012		
1993-1989	3.3 V6	N				250-21001		
1988-1984	3.8 V6	3				250-21001		
1981-1979	3.8 V6	2, 3, A				250-22001		
1981-1980	4.3 V8	S				250-22001		
1981	4.4 V8	J		Canada		250-22001		
1980	4.9 V8	W				250-22001		
1981-1980	5.0 V8	H				250-22001		
Commercial Chassis								
1991	5.0 V8					250-21001		
1996	5.7 V8				Left	250-24012		250-24012
					Right	250-24012		250-24012
1995-1994	5.7 V8				Left	250-24012		
					Right	250-24012		
1993-1992	5.7 V8					250-21001		
Electra								
1985	3.0 V6	E				250-21001		
1990-1985	3.8 V6	3, B, C				250-21001		
1984-1982	4.1 V6	4				250-21001		
1981-1980	4.1 V6	4				250-22001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BUICK (cont'd)								
Electra (cont'd)								
1980	4.9 V8	W				250-22001		
1989-1982	5.0 V8	Y				250-21001		
1981	5.0 V8	Y				250-22001		
1981-1980	5.7 V8	N, R, X				250-22001		
Enclave								
2018	3.6 V6	W	LFY		Front Rear	250-241212 250-241212		250-241212 250-241212
2017-2012	3.6 V6	D	LLT		Front Rear	250-24773 250-24773		250-24773 250-24773
2011-2009	3.6 V6	D	LLT		Front Rear	250-24649 250-24649		250-24649 250-24649
2008	3.6 V6	7			Front Rear	250-24470 250-24470		250-24708 250-24708
Encore								
2018-2017	1.4 L4	M	LE2	Engine LE2, VIN M		250-241188		250-241188
2018-2017	1.4 L4	B	LUV	Engine LUV, VIN B		250-24847		250-24612
2016-2013	1.4 L4	8, B	LUJ, LUV			250-24847		250-24612
2016	1.4 L4	M	LE2	Sport Touring Model		250-241188		250-241188
Envision								
2018-2016	2.0 L4	X	LTG			250-241133		250-241132
2018-2017	2.5 L4	A	LCV			250-241133		250-241132
Estate Wagon								
1980	4.9 V8	W				250-22001		
1983-1982	5.0 V8					250-21001		
1981	5.0 V8					250-22001		
1980	5.7 V8	N, R, X				250-22001		
LaCrosse								
2016-2011	2.4 L4	C, R	LAF, LUK			250-24492		250-24698
2010	2.4 L4	C	LAF			250-24492		250-24708
2018	2.5 L4	Z	LHN			250-241133		250-241132
2010	3.0 V6	G	LF1		Front Rear	250-24649 250-24649		250-24649 250-24649
2018-2017	3.6 V6	S	LGX		Front Rear	250-241162 250-241162		250-241162 250-241162
2016-2010	3.6 V6	3, D, V	LFX, LLT		Front Rear	250-24649 250-24649		250-24649 250-24649
2008-2005	3.6 V6	7				250-25002		250-24649
2009-2008	3.8 V6	2		Calif-ESV		250-24470		250-24248
2009-2008	3.8 V6	2		Non Calif-ESV		250-24273		250-24248
2007-2005	3.8 V6	2		Calif-ESV		250-24470		250-24836
2007-2005	3.8 V6	2		Non Calif-ESV		250-24273		250-24836
2009-2008	5.3 V8	C				250-24703		250-24703
LeSabre								
1986	3.0 V6	L				250-21001		
2005-2004	3.8 V6	K				250-24273		250-24836
2003-1997	3.8 V6	K				250-24018		250-24340
1996	3.8 V6	K				250-24012		250-24340
1995-1994	3.8 V6	L				250-24012		
1993-1982	3.8 V6	3, A, B, C, L				250-21001		
1981-1979	3.8 V6	3, A				250-22001		
1984-1982	4.1 V6	4				250-21001		
1981-1980	4.1 V6	4				250-22001		
1982	4.4 V8	J		Canada		250-21001		
1980-1979	4.9 V8	W, Y				250-22001		
1990-1982	5.0 V8	Y				250-21001		
1981	5.0 V8	Y				250-22001		
1980-1979	5.7 V8	N, R, X				250-22001		
Lucerne								
2008-2007	3.8 V6	2		Exc.PZEV Spec		250-24273		250-24836
2008-2007	3.8 V6	2		PZEV Spec		250-24470		250-24836
2006	3.8 V6	2				250-24273		250-24836
2011-2009	3.9 V6	1, M	LGD			250-24470		250-24708
2011-2006	4.6 V8	9, S, Y			Front Rear	250-24704 250-24704		•250-24703

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BUICK (cont'd)								
Park Avenue								
2005-2004	3.8 V6	1, K				250-24273		250-24836
2003-1997	3.8 V6	1, K				250-24018		250-24340
1996	3.8 V6	1, K				250-24012		250-24340
1995-1994	3.8 V6	1, K, L				250-24012		
1993-1991	3.8 V6	1, L		1 Wire Sensor		250-21001		
1993	3.8 V6	L		3 Wire Sensor		250-23011		
Rainier								
2007	4.2 L6	S				250-24698		250-24708
2006	4.2 L6	S				250-24698		250-24703
2005-2004	4.2 L6	S				250-24654		250-24339
2007	5.3 V8	M			Left	250-24704		250-24950
					Right	250-24704		250-24950
2006	5.3 V8	M		1st Design - Downstream Square Connector	Left	250-24704		250-24339
				1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M		2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
				2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
2005	5.3 V8	M			Left	250-24470		250-24836
					Right	250-24470		250-24836
2004	5.3 V8	P			Left	250-24269		250-24836
					Right	250-24269		250-24836
Reatta								
1991-1988	3.8 V6	C, L				250-21001		
Regal								
2017-2014	2.0 L4	X	LTG			250-241133		250-241132
2013-2011	2.0 L4	V	LHU			250-24492		250-241189
2017-2011	2.4 L4	C, K, R	LAF, LEA, LUK			250-24492		250-24698
1989-1988	2.8 V6	W				250-21001		
1996	3.1 V6	M			Front	250-24012		•250-24340
					Rear	250-24012		
1995-1994	3.1 V6	M			Front	250-24012		
					Rear	250-24012		
1993	3.1 V6	T		Calif-ESV		250-23005		
1993	3.1 V6	T		Non Calif-ESV		250-21001		
1992-1989	3.1 V6	T				250-21001		
2004	3.8 V6	1, K				250-24273		250-24836
2003-1997	3.8 V6	1, K				250-24018		250-24340
1996	3.8 V6	K				250-24012		250-24340
1995	3.8 V6	L			Front	250-24012		•250-24012
					Rear	250-24012		
1994	3.8 V6	L				250-24012		250-24619
1993	3.8 V6	L		3 Wire Sensor		250-23011		
1993	3.8 V6	L		4 Wire Sensor		250-24012		
1992-1990	3.8 V6	L				250-21001		
1987-1982	3.8 V6	3, 7, 8, 9, A				250-21001		
1981-1979	3.8 V6	2, 3, A				250-22001		
1984-1982	4.1 V6	4				250-21001		
1981-1980	4.3 V8	S				250-22001		
1982	4.4 V8	J		Canada		250-21001		
1981	4.4 V8	J		Canada		250-22001		
1980-1979	4.9 V8	W				250-22001		
1987-1986	5.0 V8	Y				250-21001		
1987-1982	5.0 V8	H		Canada		250-21001		
1980-1979	5.0 V8	H				250-22001		
Regal Sportback								
2018	2.0 L4	X	LTG			250-25128		250-241132
2018	3.6 V6	S	LGX		Front	250-241162		250-241162
					Rear	250-241162		250-241162
Regal TourX								
2018	2.0 L4	X	LTG			250-25128		250-241132
Rendezvous								
2005	3.4 V6	E				250-24269		250-24836
2004-2002	3.4 V6	E				250-24269		250-24340
2007-2006	3.5 V6	L				250-24470		250-24836
2006-2005	3.6 V6	7				250-25002		250-24649

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
BUICK (cont'd)								
Rendezvous (cont'd)								
2004	3.6 V6	7				250-25002		250-241125
Riviera								
1999-1997	3.8 V6	1, K				250-24018		250-24340
1996	3.8 V6	1, K				250-24012		250-24340
1995	3.8 V6	1, K				250-24012		
1993-1982	3.8 V6					250-21001		
1981-1979	3.8 V6	3				250-22001		
1984-1982	4.1 V6					250-21001		
1981	4.1 V6	4				250-22001		
1985-1982	5.0 V8					250-21001		
1981-1980	5.0 V8	Y				250-22001		
1980-1979	5.7 V8	R				250-22001		
Roadmaster								
1991	5.0 V8	E				250-21001		
1996	5.7 V8	P			Left Right	250-24012 250-24012		250-24012 250-24012
1995-1994	5.7 V8	P			Left Right	250-24012 250-24012		
1993-1992	5.7 V8	7				250-21001		
Skyhawk								
1986-1983	1.8 L4	0, J				250-21001		
1982	1.8 L4	G		Carbureted, 1 Wire Sensor		250-21001		
1982	1.8 L4	0		Fuel Injected, 2 Wire Sensor		250-22001		
1989-1983	2.0 L4	1, K, M, P				250-21001		
1984-1983	2.0 L4	B		Canada		250-21001		
1980-1979	3.8 V6	A				250-22001		
Skylark								
1995-1988	2.3 L4	3, D				250-21001		
1998-1996	2.4 L4	T				250-21001		250-24616
1991-1982	2.5 L4	R, U				250-21001		
1983-1982	2.5 L4	5		Canada		250-21001		
1981-1980	2.5 L4	5				250-22001		
1985-1982	2.8 V6	W, X, Z				250-21001		
1981-1980	2.8 V6	7, X				250-22001		
1988-1986	3.0 V6	L				250-21001		
1998-1997	3.1 V6	M				250-24018		250-24616
1996	3.1 V6	M				250-24012		250-24616
1995-1994	3.1 V6	M				250-24012		
1993-1989	3.3 V6	N				250-21001		
1979	3.8 V6	A				250-22001		
1979	5.0 V8	G				250-22001		
1979	5.7 V8	L				250-22001		
Somerset								
1987-1986	2.5 L4	U				250-21001		
1987-1986	3.0 V6	L				250-21001		
Somerset Regal								
1985	2.5 L4	U				250-21001		
1985	3.0 V6	L				250-21001		
Terraza								
2006-2005	3.5 V6					250-24470		250-24836
2007-2006	3.9 V6					250-24470		250-24836
Verano								
2016-2013	2.0 L4	V	LHU			250-24492		250-241189
2017-2015	2.4 L4	K	LEA			250-24492		250-241187
2014-2012	2.4 L4	K	LEA			250-24492		250-24491
CADILLAC								
60 Special								
1993	4.9 V8				Left Right	250-22001 250-22001		
Allante								
1988-1987	4.1 V8	7				250-22001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CADILLAC (cont'd)								
Allante (cont'd)								
1992-1989	4.5 V8	8				250-22001		
1993	4.6 V8	9				250-24006		
ATS								
2018-2016	2.0 L4	X	LTG			250-25128		250-241132
2015-2013	2.0 L4	X	LTG			250-241133		250-241132
2016-2013	2.5 L4	A	LCV			250-241133		250-241132
2018-2016	3.6 V6	Y	LF4	Turbocharged Turbocharged	Left Right	250-24869 250-24869		250-24773 250-24773
2017-2016	3.6 V6	S	LGX		Front Rear	250-241212 250-241212		250-241133 250-241133
2015-2013	3.6 V6	3	LFX		Left Right	250-24869 250-24869		250-24773 250-24773
Brougham								
1992-1991	5.0 V8	E			Left Right	250-21001 250-21001		
1990-1987	5.0 V8	9, Y				250-21001		
1992-1991	5.7 V8	7			Left Right	250-21001 250-21001		
1990	5.7 V8	7				250-21001		
Catera								
2001-1999	3.0 V6	R			Left Right	250-25010 250-25010		250-24332 250-24332
1998-1997	3.0 V6	R			Left Right	250-24342 250-24342		250-24374 250-24374
Cimarron								
1982	1.8 L4	G				250-21001		
1986-1983	2.0 L4	P				250-21001		
1988-1985	2.8 V6	W				250-21001		
Commercial Chassis								
1987-1985	4.1 V8					250-21001		
1990-1988	4.5 V8					250-22001		
1993-1991	4.9 V8					250-22001		
1996	5.7 V8				Left Right	250-24012 250-24012		250-24012 250-24012
1995-1994	5.7 V8				Left Right	250-24012 250-24012		
1993-1992	5.7 V8					250-21001		
CT6								
2018-2016	2.0 L4	X	LTG			250-25128		250-241132
2018-2016	3.6 V6	S	LGX		Front Rear	250-241212 250-241212		250-241133 250-241133
CTS								
2018-2016	2.0 L4	X	LTG			250-25128		250-241132
2015-2014	2.0 L4	X	LTG			250-241133		250-241132
2007-2006	2.8 V6				Left Right	250-25038 250-25038		250-24773 250-24773
2005	2.8 V6			1st Design - Upstream Rectangular Connector	Left	250-25005		250-24773
2005	2.8 V6			1st Design - Upstream Rectangular Connector	Right	250-25005		250-24773
2005	2.8 V6			2nd Design Upstream Oval Connector	Left	250-25038		250-24773
2005	2.8 V6			2nd Design Upstream Oval Connector	Right	250-25038		250-24773
2014-2010	3.0 V6	5, G, Y	LF1, LFW		Left Right	250-24869 250-24869		250-24746 250-24773
2004-2003	3.2 V6	N			Left Right	250-241125 250-241125		250-241125 250-241125
2018-2014	3.6 V6	8	LF3	Turbocharged Turbocharged	Left Right	250-24869 250-24869		250-24773 250-24773
2017-2016	3.6 V6	S	LGX		Left Right	250-241212 250-241212		250-241133 250-241133
2015	3.6 V6	3	LFX		Left Right	250-24869 250-24869		250-24773 250-24773
2014-2012	3.6 V6	3	LFX		Left Right	250-24869 250-24869		250-24746 250-24773
2011-2009	3.6 V6	D, V	LLT	A/T	Left	250-24324		250-24746
2011-2009	3.6 V6	7, D, V	LLT	A/T	Right	250-24324		250-24773
2011-2009	3.6 V6	7, D, V	LLT	M/T	Left	250-24324		250-24773
2011-2009	3.6 V6	7, D, V	LLT	M/T	Right	250-24324		250-24773

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CADILLAC (cont'd)								
CTS (cont'd)								
2009	3.6 V6	7			A/T A/T	Left Right		250-24773 250-24746
2008	3.6 V6	7			A/T A/T	Left Right		250-24773 250-24746
2008	3.6 V6	7			M/T M/T	Left Right		250-24773 250-24773
2008	3.6 V6	V	LLT	w/ Direct Injection, A/T w/ Direct Injection, A/T	Left Right	250-24324 250-24324		250-24746 250-24773
2008	3.6 V6	V	LLT	w/ Direct Injection, M/T w/ Direct Injection, M/T	Left Right	250-24324 250-24324		250-24773 250-24773
2008	3.6 V6	V	LLT	w/o Direct Injection, A/T w/o Direct Injection, A/T	Left Right	250-25038 250-25038		250-24746 250-24773
2008	3.6 V6	V	LLT	w/o Direct Injection, M/T w/o Direct Injection, M/T	Left Right	250-25038 250-25038		250-24773 250-24773
2007-2006	3.6 V6	7				Left Right		250-24773 250-24773
2005	3.6 V6	7		1st Design - Upstream Rectangular Connector	Left	250-25005		250-24773
2005	3.6 V6	7		1st Design - Upstream Rectangular Connector	Right	250-25005		250-24773
2005	3.6 V6	7		2nd Design Upstream Connector Oval	Left	250-25038		250-24773
2004	3.6 V6	7		2nd Design Upstream Connector Oval	Right	250-25038		250-24773
2004	3.6 V6	7			Left Right	250-25005 250-25005		250-24649 250-24649
2005-2004	5.7 V8	S			Left Right	250-24470 250-24470		250-24267 250-24267
2007	6.0 V8	U			Left Right	250-24703 250-24703		250-24267 250-24267
2006	6.0 V8	U			Left Right	250-24703 250-24703		250-24355 250-24355
2016	6.2 V8	6	LT4		Left Right	250-241133 250-241133		250-241132 250-241132
2015-2009	6.2 V8	P	LSA		Left Right	250-24470 250-24470		250-24728 250-24728
DeVille								
1982	4.1 V6	4						250-21001
1981-1980	4.1 V6	4						250-22001
1987-1985	4.1 V8	8						250-21001
1984-1982	4.1 V8	8						250-22001
1985	4.3 V6	T						250-21001
1990-1988	4.5 V8	3, 5						250-22001
2005	4.6 V8	9, Y			Front Rear	250-24470 250-24470		•250-24267
2004-2000	4.6 V8	9, Y			Front Rear	250-24269 250-24269		•250-24267
1999	4.6 V8	9, Y			Front Rear	250-24018 250-24018		•250-24087
1998-1996	4.6 V8	9, Y			Front Rear	250-24018 250-24018	250-24087	•250-24087
1995-1994	4.6 V8	Y			Front Rear	250-24006 250-24006		
1995-1994	4.9 V8	B		Calif-ESV Calif-ESV	Left Right	250-24006 250-24006		
1995-1994	4.9 V8	B		Non Calif-ESV Non Calif-ESV	Left Right	250-22001 250-22001		
1993-1991	4.9 V8	B				250-22001		
1984-1983	5.7 V8	N				250-22001		
1981-1980	6.0 V8	6, 9				250-22001		
DTS								
2011-2006	4.6 V8	6, 9, S, Y			Front Rear	250-24704 250-24704		•250-24703
Eldorado								
1982	4.1 V6	4		1 Wire Sensor		250-21001		
1981	4.1 V6	4		2 Wire Sensor		250-22001		
1987	4.1 V8	8		2 Wire Sensor		250-22001		
1986-1985	4.1 V8	8		1 Wire Sensor		250-21001		
1984-1982	4.1 V8	8		2 Wire Sensor		250-22001		
1990-1988	4.5 V8	3, 5				250-22001		
2002-2000	4.6 V8	9, Y			Front Rear	250-24269 250-24269		•250-24267

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CADILLAC (cont'd)								
Eldorado (cont'd)								
1999-1998	4.6 V8	9, Y			Front Rear	250-24018 250-24018		•250-24087
1997-1996	4.6 V8	9, Y			Front Rear	250-24018 250-24018	250-24087	•250-24087
1995-1993	4.6 V8	9, Y			Front Rear	250-24006 250-24006		
1993-1991	4.9 V8	B			Front Rear	250-22001 250-22001		
1985	5.7 V8	N				250-21001		
1984-1982	5.7 V8	N				250-22001		
1980-1979	5.7 V8	8, B, N				250-21025		
1981-1980	6.0 V8	9				250-22001		
ELR								
2016-2014	1.4 L4					250-24847		250-24649
Escalade								
2005-2003	5.3 V8	T			Left Right	250-24470 250-24470		250-24470 250-24470
2002	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2000-1999	5.7 V8	R			Left Right	250-24012 250-24012		250-24018 250-24018
2013-2009	6.0 V8	5, J	LFA, LZ1		Left Right	250-24470 250-24470		250-24736 250-24736
2006-2003	6.0 V8	N			Left Right	250-24491 250-24491		250-24267 250-24267
2002	6.0 V8	N			Left Right	250-24248 250-24248		250-24018 250-24018
2018-2015	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132
2014-2008	6.2 V8	2, 8, F	L92, L94, L9H		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.2 V8	8	L92		Left Right	250-24703 250-24703		250-24355 250-24355
Escalade ESV								
2006-2003	6.0 V8				Left Right	250-24491 250-24491		250-24267 250-24267
2018-2015	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132
2014-2008	6.2 V8	F	L92		Left Right	250-24470 250-24470		250-24736 250-24736
2008-2007	6.2 V8	8	L92		Left Right	250-24703 250-24703		250-24355 250-24355
Escalade EXT								
2006-2003	6.0 V8				Left Right	250-24491 250-24491		250-24267 250-24267
2002	6.0 V8				Left Right	250-24248 250-24248		250-24018 250-24018
2013-2008	6.2 V8				Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.2 V8	8	L92		Left Right	250-24703 250-24703		250-24355 250-24355
Fleetwood								
1982-1980	4.1 V6	4				250-22001		
1987-1986	4.1 V8	8				250-21001 250-22001		
1985	4.1 V8	8				250-21001		
1984-1983	4.1 V8	8				250-22001		
1982	4.1 V8	8				250-21001		
1985	4.3 V6	T				250-21001		
1990-1988	4.5 V8	3, 5				250-22001		
1992-1991	4.9 V8	B				250-22001		
1986	5.0 V8	Y				250-21001		
1996	5.7 V8	P			Left Right	250-24012 250-24012		250-24012 250-24012

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CADILLAC (cont'd)								
Fleetwood (cont'd)								
1995-1994	5.7 V8	P			Left Right	250-24012 250-24012		
1993	5.7 V8	7				250-21001		
1985	5.7 V8	N				250-21001		
1984-1982	5.7 V8	N				250-22001		
1984-1980	6.0 V8	6, 9				250-22001		
Seville								
1982	4.1 V6	4				250-21001		
1981	4.1 V6	4				250-22001		
1987-1985	4.1 V8	8				250-21001		
1984-1982	4.1 V8	8				250-22001		
1990-1988	4.5 V8	3, 5				250-22001		
2004	4.6 V8	Y			Front Rear	250-24470 250-24470		•250-24267
2003-2000	4.6 V8	9, Y			Front Rear	250-24269 250-24269		•250-24267
1999	4.6 V8	9, Y			Front Rear	250-24018 250-24018		•250-24087
1998	4.6 V8	9, Y		1st Design Exhaust 1st Design Exhaust	Front Rear	250-24018 250-24018	250-24087	•250-24087
1998	4.6 V8	9, Y		2nd Design Exhaust 2nd Design Exhaust	Front Rear	250-24018 250-24018		•250-24087
1997-1996	4.6 V8	9, Y			Front Rear	250-24018 250-24018	250-24087	•250-24087
1995-1993	4.6 V8	9, Y			Front Rear	250-24006 250-24006		
1993-1991	4.9 V8	B			Front Rear	250-22001 250-22001		
1982	5.7 V8	N				250-22001		
1980-1979	5.7 V8	8, B, N				250-21025		
1981-1980	6.0 V8	9				250-22001		
SRX								
2011-2010	2.8 V6	4, 6	LAU			250-24612		250-24612
2011-2010	3.0 V6	Y	LF1		Front Rear	250-24649 250-24649		250-24649 250-24649
2016-2012	3.6 V6	3	LFX		Front Rear	250-24649 250-24649		250-24649 250-24649
2009-2007	3.6 V6	7			Front Rear	250-24324 250-24324		250-24773 250-24773
2006	3.6 V6	7			Front Rear	250-25038 250-25038		250-24773 250-24773
2005	3.6 V6	7		1st Design - Upstream Rectangular Connector 1st Design - Upstream Rectangular Connector	Front Rear	250-25005 250-25005		250-24773 250-24773
2005	3.6 V6	7		2nd Design, Upstream Connector Oval 2nd Design, Upstream Connector Oval	Front Rear	250-25038 250-25038		250-24773 250-24773
2004	3.6 V6	7			Front Rear	250-25005 250-25005		250-24649 250-24649
2009-2007	4.6 V8	A			Front Rear	250-24492 250-24492		250-24728 250-24722
2006	4.6 V8	A			Front Rear	250-25005 250-25005		250-24773 250-24773
2005	4.6 V8	A		1st Design - Upstream Rectangular Connector 1st Design - Upstream Rectangular Connector	Front Rear	250-25005 250-25005		250-24773 250-24773
2005	4.6 V8	A		2nd Design, Upstream Connector Oval 2nd Design, Upstream Connector Oval	Front Rear	250-25038 250-25038		250-24773 250-24773
2004	4.6 V8	A			Front Rear	250-25005 250-25005		250-24649 250-24649
STS								
2011-2008	3.6 V6	D, V	LLT		Left Right	250-24324 250-24324		250-24746 250-24773
2007-2006	3.6 V6	7			Left Right	250-25038 250-25038		250-24773 250-24773
2005	3.6 V6	7		1st Design - Upstream Rectangular Connector 1st Design - Upstream Rectangular Connector	Left Right	250-25005 250-25005		250-24773 250-24773
2005	3.6 V6	7		2nd Design, Upstream Oval Connector 2nd Design, Upstream Oval Connector	Left Right	250-25038 250-25038		250-24773 250-24773
2009-2006	4.4 V8	D			Left Right	250-24698 250-24698		250-24728 250-24728

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CADILLAC (cont'd)								
STS (cont'd)								
2010-2007	4.6 V8	A			Left Right	250-24492 250-24492		250-24728 250-24722
2006	4.6 V8	A			Left Right	250-25005 250-25005		250-24773 250-24773
2005	4.6 V8	A		1st Design - Upstream Rectangular Connector	Left	250-25005		250-24773
2005	4.6 V8	A		1st Design - Upstream Rectangular Connector	Right	250-25005		250-24773
				2nd Design, Upstream Oval Connector	Left	250-25038		250-24773
				2nd Design, Upstream Oval Connector	Right	250-25038		250-24773
XLR								
2009-2006	4.4 V8	D			Left Right	250-24729 250-24729		250-24722 250-24722
2009-2007	4.6 V8	A			Left Right	250-24729 250-24729		250-24722 250-24722
2006	4.6 V8	A			Left Right	250-25006 250-25006		250-24743 250-24743
2005	4.6 V8	A		1st Design - Upstream 23.6" Lead	Left	250-25005		250-24649
				1st Design - Upstream 23.6" Lead	Right	250-25005		250-24649
2005	4.6 V8	A		2nd Design - Upstream 47.25" Lead	Left	250-25006		250-24743
				2nd Design - Upstream 47.25" Lead	Right	250-25006		250-24743
2004	4.6 V8	A			Left Right	250-25005 250-25005		250-24649 250-24649
XT5								
2018-2017	3.6 V6	S	LGX		Front Rear	250-241212 250-241212		250-241212 250-241212
XTS								
2018-2014	3.6 V6	8	LF3	Turbocharged	Left Right	250-24773 250-24773		250-24773 250-24773
2018-2013	3.6 V6	3	LFX	Turbocharged	Left Right	250-24773 250-24773		250-24773 250-24773
CHEVROLET								
Astro								
1990-1985	2.5 L4	E				250-21001		
2005-2003	4.3 V6	X			Left Right	250-24339 250-24355		•250-24355
2002-2000	4.3 V6	W, X			Left Right	250-24836 250-24269		•250-24269
1999-1998	4.3 V6	W			Left Right	250-24273 250-24273		•250-24273
1997-1996	4.3 V6	W			Left Right	250-24012 250-24012		•250-24018
1995	4.3 V6	W				250-23011		
1994-1992	4.3 V6	W, Z				250-23005		
1991-1985	4.3 V6	B, N, Z				250-21001		
Avalanche								
2013-2008	5.3 V8	0, 3, 7, J	LC9, LMG, LY5		Left Right	250-24470 250-24470		250-24736 250-24736
2007	5.3 V8	0, 3, J	LC9, LMG, LY5		Left Right	250-24703 250-24703		250-24355 250-24355
2009-2008	6.0 V8	Y	L76		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	Y	L76		Left Right	250-24703 250-24703		250-24355 250-24355
Avalanche 1500								
2006	5.3 V8	T, Z	L59		Left Right	250-24703 250-24703		250-241128 250-241128
2005-2003	5.3 V8	T, Z			Left Right	250-24470 250-24470		250-24470 250-24470
2002	5.3 V8	T		Canada Built Vehicle	Left	250-24269		250-24269
				Canada Built Vehicle	Right	250-24269		250-24269
2002	5.3 V8	T		Exc. Canada Built Vehicle	Left	250-24012		250-24018
				Exc. Canada Built Vehicle	Right	250-24012		250-24018
Avalanche 2500								
2006-2003	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
2002	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Aveo								
2011-2009	1.6 L4	E	LXV			250-24851		250-24850
2008	1.6 L4	6				250-24067		250-24789
2007-2006	1.6 L4	6		LEV Spec		250-24067		250-24490
2007-2006	1.6 L4	6		ULEV Spec		250-24067		250-24789
2005-2004	1.6 L4	6				250-24490		250-24490
Aveo5								
2011-2009	1.6 L4	E	LXV			250-24851		250-24850
2008	1.6 L4	6				250-24067		250-24789
2007	1.6 L4	6		LEV Spec		250-24067		250-24490
2007	1.6 L4	6		ULEV Spec		250-24067		250-24789
2006	1.6 L4	6		Canada		250-24067		250-24789
Bel Air								
1981	4.4 V8	J			Canada	250-22001		
1981	5.0 V8	H			Canada	250-22001		
Beretta								
1989-1987	2.0 L4	1				250-21001		
1996	2.2 L4	4				250-21001		250-24615
1995-1990	2.2 L4	4, G				250-21001		
1994-1990	2.3 L4	A				250-21001		
1989-1987	2.8 V6	W				250-21001		
1996	3.1 V6	M				250-24012		250-24615
1995-1994	3.1 V6	M				250-24012		
1993-1990	3.1 V6	T				250-21001		
Blazer								
2005-2002	4.3 V6	W, X				250-24269		250-24269
					Left Right	250-24269		250-24269
2001-1996	4.3 V6	W				250-24012		250-24012
					Left Right	250-24012		250-24012
1995	4.3 V6	W				250-24012		
					Left Right	250-24012		
1987	5.0 V8	H				250-21001		
1994-1992	5.7 V8	K		3 Wire Sensor		250-23005		
1994-1987	5.7 V8	K		1 Wire Sensor		250-21001		
C10								
1984-1983	4.1 L6	D				250-21001		
1986-1985	4.3 V6	N				250-21001		
1986-1983	5.0 V8	F, H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		
C10 Suburban								
1986-1983	5.0 V8	F, H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		
C20								
1984-1983	4.1 L6	D				250-21001		
1986-1985	4.3 V6	N				250-21001		
1986-1983	4.8 L6	T				250-21001		
1986-1983	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		
1986-1983	7.4 V8	W				250-21001		
C20 Suburban								
1986-1983	5.0 V8	H				250-21001		
1986	5.7 V8					250-21001		
1985	5.7 V8			Calif-ESV Only		250-21001		
1984-1983	5.7 V8	M				250-21001		
1986-1983	7.4 V8	W				250-21001		
C30								
1986-1983	4.8 L6	T				250-21001		
1986-1983	5.7 V8	M				250-21001		
1986-1983	7.4 V8	W				250-21001		
C1500								
1998-1996	4.3 V6	W				250-24012		250-24018
					Left Right	250-24012		250-24018
1995	4.3 V6	Z				250-23011		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
C1500 (cont'd)								
1994	4.3 V6	Z				250-23005		
1993-1988	4.3 V6	Z				250-21001		
1999-1996	5.0 V8	M		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.0 V8	M		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
1993-1990	7.4 V8	N				250-21001		
C1500 Suburban								
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		
C2500								
1995	4.3 V6	Z			Left	250-23005		
					Right	250-23005		
1994	4.3 V6	Z				250-23005		
1993-1988	4.3 V6	Z				250-21001		
1999-1996	5.0 V8	M		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.0 V8	M		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
2000-1999	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
1998-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1998-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
2000	7.4 V8	J			Left	250-24248		250-24018
					Right	250-24248		250-24018
1999-1996	7.4 V8	J			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1991	7.4 V8	N				250-21001		
C2500 Suburban								
1999-1997	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
C2500 Suburban (cont'd)								
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1992	7.4 V8	N				250-21001		
C3500								
2000-1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	5.7 V8	K				250-21001		
2000	7.4 V8	J		Calif-ESV Calif-ESV	Left Right	250-24248 250-24248		250-24248 250-24248
2000	7.4 V8	J		Non Calif-ESV Non Calif-ESV	Left Right	250-24248 250-24248		250-24018 250-24018
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	7.4 V8	N				250-21001		
C3500HD								
1995-1992	5.7 V8	K				250-21001		
2000-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1992	7.4 V8	N				250-21001		
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248
Camaro								
2018-2016	2.0 L4	X	LTG			250-25128		250-241132
1986-1982	2.5 L4	2				250-21001		
1989-1982	2.8 V6	S				250-21001		
1992-1990	3.1 V6	T				250-21001		
1995-1993	3.4 V6	S			Left Right	250-21001 250-21001		
2017-2016	3.6 V6	S	LGX		Left Right	250-241212 250-241212		250-241133 250-241133
2015-2013	3.6 V6	3	LFX	A/T	Left	250-24869		250-24746
				A/T	Right	250-24869		250-24773
2015-2013	3.6 V6	3	LFX	M/T	Left	250-24869		250-24773
				M/T	Right	250-24869		250-24773
2012	3.6 V6	3	LFX		Left Right	250-24869 250-24869		250-24746 250-24773
2011-2010	3.6 V6	D, V	LLT	A/T	Left	250-24869		250-24746
				A/T	Right	250-24869		250-24773
2011-2010	3.6 V6	D, V	LLT	M/T	Left	250-24869		250-24773
				M/T	Right	250-24869		250-24773
2002-2001	3.8 V6	K			Left Right	250-24018 250-24018		●250-24340
2000-1998	3.8 V6	K		2 Wire Upstream Sensor	Left	250-22013		●250-24340
				2 Wire Upstream Sensor	Right	250-22013		
2000-1998	3.8 V6	K		4 Wire Upstream Sensor	Left	250-24018		●250-24340
				4 Wire Upstream Sensor	Right	250-24018		
1997	3.8 V6	K			Left Right	250-24018 250-24018	250-24340	●250-24340
1996	3.8 V6	K			Left Right	250-24012 250-24012	250-24340	●250-24340
1995	3.8 V6				Left Right	250-24012 250-24012	250-24012	●250-24012
1981-1980	3.8 V6	A, K				250-22001		
1981-1980	4.4 V8	J				250-22001		
1992-1982	5.0 V8					250-21001		
1981-1980	5.0 V8	H				250-22001		
2002-2000	5.7 V8	G			Left Right	250-24087 250-24340		250-24087 250-24087
1999-1998	5.7 V8	G			Left Right	250-24087 250-24340		250-24087 250-24340
1997-1996	5.7 V8	P			Left Right	250-24012 250-24012	250-24340	●250-24340
1995-1994	5.7 V8	P			Left Right	250-24012 250-24012		
1993	5.7 V8	P			Left Right	250-21001 250-21001		
1992-1987	5.7 V8	8				250-21001		
1981-1980	5.7 V8	L				250-22001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Camaro (cont'd)								
2016	6.2 V8	7	LT1		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2010	6.2 V8	J, P, W	L99, LS3		Left Right	250-24491 250-24491		250-24736 250-24736
2015-2014	7.0 V8				Left Right	250-24491 250-24491		250-24736 250-24736
Caprice								
2016-2012	3.6 V6	3	LFX		Left Right	250-24773 250-24773		250-24773 250-24773
1985	3.8 V6	A		Canada		250-21001		
1984-1982	3.8 V6	9, A, K				250-21001		
1981-1980	3.8 V6	A, K				250-22001		
1993-1992	4.3 V6	Z				250-23005		
1990-1986	4.3 V6	Z				250-21001		
1985	4.3 V6	Z				250-23004		
1996	4.3 V8	W			Left Right	250-24012 250-24012		250-24012 250-24012
1995-1994	4.3 V8	W			Left Right	250-24012 250-24012		
1982	4.4 V8	J				250-21001		
1981-1980	4.4 V8	J				250-22001		
1993-1982	5.0 V8	E, H, Y				250-21001		
1981-1980	5.0 V8	H				250-22001		
1996	5.7 V8	P			Left Right	250-24012 250-24012		250-24012 250-24012
1995-1994	5.7 V8	P			Left Right	250-24012 250-24012		
1993-1985	5.7 V8	6, 7				250-21001		
1982	5.7 V8	N				250-21001		
1981-1980	5.7 V8	L, N				250-22001		
2015-2014	6.0 V8	2	L77		Left Right	250-24491 250-24491		250-24736 250-24736
2013-2011	6.0 V8	2	L77		Left Right	250-24470 250-24470		250-24788 250-24788
Captiva Sport								
2015-2012	2.4 L4	K	LEA			250-24704		250-24708
2012	3.0 V6				Left Right	250-24649 250-24649		250-24649 250-24649
Cavalier								
1982	1.8 L4	G				250-21001		
1989-1983	2.0 L4	1, P				250-21001		
1984-1983	2.0 L4	B		Canada		250-21001		
2005-2002	2.2 L4	4, 6, F	L61			250-24273		250-24334
2001-2000	2.2 L4	4				250-22060		250-24275
1999	2.2 L4	4				250-21028		250-24275
1998-1996	2.2 L4	4				250-21001		250-24275
1995	2.2 L4	4				250-21001		250-24616
1994-1990	2.2 L4	4, G				250-21001		
1995	2.3 L4	D				250-21001		250-24616
2002-2000	2.4 L4	T				250-22060		250-24616
1999	2.4 L4	T				250-21028		250-24616
1998-1996	2.4 L4	T				250-21001		250-24616
1989-1985	2.8 V6	W				250-21001		
1994-1990	3.1 V6	T				250-21001		
Celebrity								
1990-1982	2.5 L4	R				250-21001		
1983-1982	2.5 L4	5		Canada; Eng. Vin 5		250-21001		
1989-1982	2.8 V6	W, X, Z				250-21001		
1990	3.1 V6	T				250-21001		
Chevette								
1987-1980	1.6 L4	0, 9, C		1 Wire Sensor		250-21001		
1981-1980	1.6 L4	0, 9		2 Wire Sensor		250-22001		
Citation								
1983-1982	2.5 L4	R				250-21001		
1983-1982	2.5 L4	5		Canada; Eng. Vin 5		250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Citation (cont'd)								
1981-1980	2.5 L4	5				250-22001		
1983-1982	2.8 V6	X, Z				250-21001		
1981-1980	2.8 V6	7, X, Z				250-22001		
Citation II								
1985-1984	2.5 L4	R				250-21001		
1985-1984	2.8 V6	W, X, Z				250-21001		
City Express								
2018-2015	2.0 L4	3	L0A			250-54102		250-241108
Classic								
2005-2004	2.2 L4	F	L61			250-24273		250-24321
Cobalt								
2010-2008	2.0 L4	X				250-25034		250-24745
2007-2005	2.0 L4	P				250-24273		250-24354
2010-2005	2.2 L4	5, F, H	L61, LAP			250-24470		250-24354
2008-2006	2.4 L4	B	-			250-24470		250-24354
Colorado								
2018-2015	2.5 L4	A	LCV			250-241133		250-241132
2006	2.8 L4	8				250-24698		250-24703
2005-2004	2.8 L4	8				250-24654		250-24339
2012-2007	2.9 L4	9				250-24698		250-24708
2006	3.5 L5	6				250-24698		250-24703
2005-2004	3.5 L5	6				250-24654		250-24339
2018-2017	3.6 V6	N	LGZ		Left Right	250-241212 250-241212		250-241212 250-241212
2016-2015	3.6 V6	3	LFX		Left Right	250-24773 250-24773		250-24773 250-24773
2012-2007	3.7 L5	E				250-24698		250-24708
2012-2009	5.3 V8	L, P	LH8		Left Right	250-24703 250-24703		250-24491 250-24491
Corsica								
1989-1987	2.0 L4	1				250-21001		
1996	2.2 L4	4				250-21001		250-24615
1995-1990	2.2 L4	4, G				250-21001		
1989-1987	2.8 V6	W				250-21001		
1996	3.1 V6	M				250-24012		250-24615
1995-1994	3.1 V6	M				250-24012		
1993-1990	3.1 V6	T				250-21001		
Corvette								
1980	5.0 V8	H				250-22001		
2004	5.7 V8	G, S			Left Right	250-24470 250-24470		250-24321 250-24321
2003-1997	5.7 V8	G, S			Left Right	250-24012 250-24012		250-24617 250-24617
1996	5.7 V8	5, P			Left Right	250-24012 250-24012		250-24012 250-24012
1995-1994	5.7 V8	P		Base Model	Left	250-24012		
				Base Model	Right	250-24012		
1995-1990	5.7 V8	J		ZR-1 Model	Left	250-23005		
				ZR-1 Model	Right	250-23005		
1993-1990	5.7 V8	8, P		Base Model	Left	250-21001		
				Base Model	Right	250-21001		
1989-1984	5.7 V8	8				250-21001		
1982	5.7 V8	8				250-21001		
1981-1980	5.7 V8	6, 8				250-22001		
2007-2005	6.0 V8	U			Left Right	250-24492 250-24492		250-24836 250-24836
2018-2014	6.2 V8	6, 7	LT1, LT4		Left Right	250-241133 250-241133		250-241132 250-241132
2013-2009	6.2 V8	R, T	LS9		Left Right	250-24491 250-24491		250-24736 250-24736
2013-2008	6.2 V8	W	LS3		Left Right	250-24492 250-24492		250-24736 250-24736
2013-2010	7.0 V8	E			Left Right	250-24491 250-24491		250-24736 250-24736

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Corvette (cont'd)								
2009-2008	7.0 V8	E			Left Right	250-24492 250-24492		250-24736 250-24736
2007-2006	7.0 V8	E			Left Right	250-24492 250-24492		250-24836 250-24836
Cruze								
2018-2016	1.4 L4	M, P	LE2, LEX			250-241188		250-241188
2015-2011	1.4 L4	9, B, C	LUJ, LUV			250-24847		250-24612
2015-2011	1.8 L4	G, H	LUW, LWL			250-24648		250-24612
2013	1.8 L4	H	LUW	Flex Fuel		250-24648		250-24612
2015-2014	2.0 L4	Z	LUZ			250-25109		
Cruze Limited								
2016	1.4 L4	B	LUV			250-24847		250-24612
2016	1.8 L4	G, H	LUW, LWL			250-24648		250-24612
El Camino								
1984-1982	3.8 V6	9, A, K				250-21001		
1981-1979	3.8 V6	2, A, K				250-22001		
1987-1986	4.3 V6	Z				250-21001		
1985	4.3 V6	Z				250-23004		
1982-1980	4.4 V8	J				250-22001		
1987-1982	5.0 V8	H				250-21001		
1981-1980	5.0 V8	H				250-22001		
Epica								
2006-2004	2.5 L6	L		Canada Canada	Cyl 1-3 Cyl 4-6	250-24384 250-24384		250-24691 250-24691
Equinox								
2018	1.5 L4	V	LYX			250-241188		250-241188
2018	2.0 L4	X	LTG			250-25128		250-241132
2017-2015	2.4 L4	K	LEA			250-24492		250-24708
2014-2010	2.4 L4	C, K, W	LAF, LEA			250-24704		250-24708
2012-2010	3.0 V6	5, Y	LF1, LFW		Front Rear	250-24649 250-24649		250-24649 250-24649
2009-2008	3.4 V6	F				250-24470		250-24736
2007-2005	3.4 V6	F				250-24470		250-24836
2017-2013	3.6 V6	3	LFX		Front Rear	250-24649 250-24649		250-24649 250-24649
2009-2008	3.6 V6	7			Front Rear	250-24324 250-24324		250-24773 250-24773
Express 1500								
2014-2008	4.3 V6	X			Left Right	250-241128 250-241128		250-24491 250-24491
2007	4.3 V6	X			Left Right	250-241128 250-241128		250-24950 250-24950
2006-2004	4.3 V6	X			Left Right	250-241119 250-24339		250-241119 250-24339
2003	4.3 V6	X		1st Design - Right Upstream Length 14.75"	Left Right	250-24267 250-241119		250-24267 250-241119
2003	4.3 V6	X		1st Design - Right Upstream Length 14.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-24267 250-24339		250-24267 250-24339
2002-1998	4.3 V6	W		2nd Design - Right Upstream Length 17.75"	Left Right	250-24012 250-24012		•250-24018
1997-1996	4.3 V6	W			Left Right	250-24012 250-24012		250-24018 250-24018
2002-1999	5.0 V8	M			Left Right	250-24012 250-24012		250-24018 250-24018
1998	5.0 V8	M			Left Right	250-24012 250-24012		•250-24018
1997-1996	5.0 V8	M			Left Right	250-24012 250-24012		250-24018 250-24018
2014-2008	5.3 V8	4	LMF		Left Right	250-241128 250-241128		250-24491 250-24491
2007	5.3 V8	T, Z	L59, LM7	Calif-ESV Calif-ESV	Left Right	250-241128 250-241128		250-24950 250-24950
2007	5.3 V8	T, Z	L59, LM7	Non Calif-ESV Non Calif-ESV	Left Right	250-241119 250-24339		250-241119 250-24339
2006-2004	5.3 V8	T			Left Right	250-241119 250-24339		250-241119 250-24339

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Express 1500 (cont'd)								
2003	5.3 V8	T		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	5.3 V8	T		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1996	5.7 V8	R			Left Right	250-24012 250-24012		250-24018 250-24018
Express 2500								
2018	4.3 V6	P	LV1		Left Right	250-241162 250-241162		250-241132 250-241132
2005-2004	4.3 V6	X			Left Right	250-241119 250-24339		250-241119 250-24339
2003	4.3 V6	X		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	4.3 V6	X		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1996	4.3 V6	W		Over GVW 8,500 Lbs. Over GVW 8,500 Lbs.	Left Right	250-24019 250-24019		250-24018 250-24018
2002-1996	4.3 V6	W		Under GVW 8,500 Lbs. Under GVW 8,500 Lbs.	Left Right	250-24012 250-24012		250-24018 250-24018
2017-2016	4.8 V8	F	L20		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2008	4.8 V8	A, C, F	L20		Left Right	250-241128 250-241128		250-24491 250-24491
2007-2004	4.8 V8	V			Left Right	250-241119 250-24339		250-241119 250-24339
2003	4.8 V8	V		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-24267
2003	4.8 V8	V		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1999	5.0 V8	M			Left Right	250-24012 250-24012		250-24018 250-24018
1998	5.0 V8	M			Left Right	250-24012 250-24012		•250-24018
1997-1996	5.0 V8	M			Left Right	250-24012 250-24012		250-24018 250-24018
2005-2004	5.3 V8	T			Left Right	250-241119 250-24339		250-241119 250-24339
2003	5.3 V8	T		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	5.3 V8	T		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1996	5.7 V8	R		Over GVW 8,500 Lbs. Over GVW 8,500 Lbs.	Left Right	250-24019 250-24019		250-24018 250-24018
2002-1996	5.7 V8	R		Under GVW 8,500 Lbs. Under GVW 8,500 Lbs.	Left Right	250-24012 250-24012		250-24018 250-24018
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2014	6.0 V8	B, G	L96, LC8		Left Right	250-241128 250-241128		250-24491 250-24491
2013-2012	6.0 V8	B, G		Passenger & Cargo Vans Passenger & Cargo Vans	Left Right	250-241128 250-241128		250-24491 250-24491
2012	6.0 V8	B, G		Cutaway Van Cutaway Van	Left Right	250-24492 250-24492		250-24491 250-24491
2011-2008	6.0 V8	B, G, K	L96		Left Right	250-241128 250-241128		250-24491 250-24491
2007-2005	6.0 V8	U			Left Right	250-241119 250-24339		250-241119 250-24339
2004	6.0 V8	U		CNG, 1st Design - Rt Upstream Length 14.75" CNG, 1st Design - Rt Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2004	6.0 V8	U		CNG, 2nd Design - Rt Upstream Length 17.75" CNG, 2nd Design - Rt Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2004	6.0 V8	U		Gas Gas	Left Right	250-241119 250-24339		250-24267 250-24339
2003	6.0 V8	U		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	6.0 V8	U		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
Express 3500								
2018	4.3 V6	P	LV1		Left Right	250-241162 250-241162		250-241132 250-241132

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Express 3500 (cont'd)								
2017-2016	4.8 V8	F	L20		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2008	4.8 V8	A, C, F	L20		Left Right	250-241128 250-241128		250-24491 250-24491
2007-2005	4.8 V8	V			Left Right	250-241119 250-24339		250-241119 250-24339
2002-1999	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1998-1997	5.7 V8	R		4L80-E 4L80-E	Left Right	250-24019 250-24019		250-24018 250-24018
1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2014	6.0 V8	B, G	L96, LC8		Left Right	250-241128 250-241128		250-24491 250-24491
2013-2012	6.0 V8	B, G		Cutaway Van Cutaway Van	Left Right	250-24492 250-24492		250-24491 250-24491
2013-2012	6.0 V8	B, G		Passenger & Cargo Vans Passenger & Cargo Vans	Left Right	250-241128 250-241128		250-24491 250-24491
2011-2008	6.0 V8	B, G, K	L96	Cutaway Chassis Cutaway Chassis	Left Right	250-24492 250-24492		250-24491 250-24491
2011-2008	6.0 V8	B, G, K	L96	Exc.Cutaway Chassis Exc.Cutaway Chassis	Left Right	250-241128 250-241128		250-24491 250-24491
2007-2006	6.0 V8	U			Left Right	250-241119 250-24339		250-241119 250-24339
2005-2004	6.0 V8	U			Left Right	250-241119 250-24339		250-24267 250-24339
2003	6.0 V8	U		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	6.0 V8	U		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2000-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24248 250-24248
Express 4500								
2016-2009	6.0 V8	B, G, K	L96, LC8		Left Right	250-24492 250-24492		250-24491 250-24491
G10								
1984-1980	4.1 L6	D				250-21001		
1995	4.3 V6	Z				250-23011		
1994-1992	4.3 V6	Z				250-23005		
1991-1985	4.3 V6	N, Z				250-21001		
1995	5.0 V8	H				250-23011		
1994-1980	5.0 V8	F, G, H				250-21001		
1993-1980	5.7 V8	K, L, P				250-21001		
G20								
1984-1980	4.1 L6	D				250-21001		
1995	4.3 V6	Z				250-23011		
1994-1992	4.3 V6	Z				250-23005		
1991-1985	4.3 V6	N, Z				250-21001		
1995	5.0 V8	H				250-23011		
1994-1980	5.0 V8	F, G, H				250-21001		
1995-1980	5.7 V8	K, L, M				250-21001		
G30								
1984-1981	4.1 L6	D				250-21001		
1996	4.3 V6				Left Right	250-23011 250-23011		
1995	4.3 V6	Z				250-23011		
1994-1992	4.3 V6	Z				250-23005		
1991-1985	4.3 V6	N, Z				250-21001		
1985	5.0 V8	H				250-21001		
1982	5.0 V8	H				250-21001		
1996-1980	5.7 V8	K, L, M				250-21001		
1996	7.4 V8	N			Left Right	250-24019 250-24019		250-24018 250-24018

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
G30 (cont'd)								
1995-1988	7.4 V8	N				250-21001		
HHR								
2010-2008	2.0 L4	M, X	LNF			250-25034		250-24745
2011-2006	2.2 L4	B, D, W	LE8			250-24470		250-24354
2011-2009	2.4 L4	U, V	LE9			250-24470		250-24354
2008	2.4 L4	P				250-24704		250-24354
2007-2006	2.4 L4	P				250-24492		250-24354
Impala								
2014	2.4 L4					250-24492		250-24698
2018-2014	2.5 L4	A, L	LCV, LKW			250-241133		250-241132
2005	3.4 V6	E				250-24269		250-24836
2004-2001	3.4 V6	E				250-24269		250-24340
2000	3.4 V6	E				250-24018		250-24340
2011-2008	3.5 V6	K, N			Front Rear	250-24470 250-24470		●250-24736
2007-2006	3.5 V6	K, N	LZ4, LZE		Front Rear	250-24470 250-24470		●250-24836
2018-2014	3.6 V6	3, N	LFR, LFX		Front Rear	250-24773 250-24773		250-24773 250-24773
2013-2012	3.6 V6	3	LFX		Front Rear	250-24649 250-24649		250-24649 250-24649
2005-2004	3.8 V6	1, K				250-24273		250-24836
2003-2000	3.8 V6	K				250-24018		250-24340
1984-1982	3.8 V6	9, A, K				250-21001		
1981-1980	3.8 V6	A, K				250-22001		
2011-2008	3.9 V6	3, M			Front Rear	250-24470 250-24470		●250-24736
2007	3.9 V6	R			Front Rear	250-24470 250-24470		●250-24836
2007	3.9 V6	R		Police Model Police Model	Front Rear	250-24470 250-24470		●250-24836
2006	3.9 V6	1	LZ9			250-24470		250-24836
1985	4.3 V6	Z				250-23004		
1982	4.4 V8	J				250-21001		
1981-1980	4.4 V8	J				250-22001		
1985-1982	5.0 V8	H				250-21001		
1981-1980	5.0 V8	H				250-22001		
2009-2008	5.3 V8	C				250-24703		250-24703
2007-2006	5.3 V8	C				250-24703		250-24836
1996	5.7 V8	P			Left Right	250-24012 250-24012		250-24012 250-24012
1995-1994	5.7 V8	P			Left Right	250-24012 250-24012		
1985-1982	5.7 V8	6, L, N				250-21001		
1981-1980	5.7 V8	L, N				250-22001		
Impala Limited								
2016-2014	3.6 V6	3	LFX		Left Right	250-24649 250-24649		250-24649 250-24649
K5 Blazer								
1986-1983	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L				250-21001		
K10								
1984-1983	4.1 L6	D				250-21001		
1986-1985	4.3 V6	N				250-21001		
1986-1983	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		
K10 Suburban								
1986-1985	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L				250-21001		
K20								
1985	4.3 V6	N				250-21001		
1986-1983	4.8 L6	T				250-21001		
1985	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
K20 Suburban								
1985	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		
K30								
1986-1983	4.8 L6	T				250-21001		
1986-1983	5.7 V8	M				250-21001		
1986-1983	7.4 V8	W				250-21001		
K1500								
1998-1996	4.3 V6	W			Left Right	250-24012 250-24012		•250-24018
1995	4.3 V6	Z				250-23011		
1994	4.3 V6	Z				250-23005		
1993-1988	4.3 V6	Z				250-21001		
1999-1996	5.0 V8	M		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.0 V8	M		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
K1500 Suburban								
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		
K2500								
1995	4.3 V6	Z				250-23011		
1994	4.3 V6	Z				250-23005		
1993-1988	4.3 V6	Z				250-21001		
1998-1997	5.0 V8	M		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1998-1997	5.0 V8	M		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
2000-1999	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1998-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1998-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
2000	7.4 V8	J		Calif-ESV	Left	250-24248		250-24248
				Calif-ESV	Right	250-24248		250-24248
2000	7.4 V8	J		Non Calif-ESV	Left	250-24248		250-24018
				Non Calif-ESV	Right	250-24248		250-24018

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
K2500 (cont'd)								
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1991	7.4 V8	N				250-21001		
K2500 Suburban								
1999-1997	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1996	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1996	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1992	7.4 V8	N				250-21001		
K3500								
2000-1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	5.7 V8	K				250-21001		
2000	7.4 V8	J		Calif-ESV Calif-ESV	Left Right	250-24248 250-24248		250-24248 250-24248
2000	7.4 V8	J		Non Calif-ESV Non Calif-ESV	Left Right	250-24248 250-24248		250-24018 250-24018
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	7.4 V8	N				250-21001		
LLV								
1995-1994	2.2 L4	4				250-21001		
1993-1987	2.5 L4	A, E				250-21001		
Lumina								
1993	2.2 L4	4	LN2			250-21001		
1992-1990	2.5 L4	R				250-21001		
2001-1997	3.1 V6	J, M				250-24018		250-24340
1996	3.1 V6	M			Left Right	250-24012 250-24012		●250-24340
1995	3.1 V6	M			Left Right	250-24012 250-24012		
1994	3.1 V6	T				250-21001		
1993	3.1 V6	T, W				250-23005		
1993	3.1 V6	T, W		Calif-ESV Non Calif-ESV		250-21001		
1992-1990	3.1 V6	T				250-21001		
1997	3.4 V6	X				250-24018		250-24340
1996	3.4 V6	X				250-24012		250-24340
1995	3.4 V6	X			Left Right	250-24012 250-24012		
1994	3.4 V6	X				250-24012		
1993-1991	3.4 V6	X				250-21001		
1999-1998	3.8 V6	K				250-24018		250-24340
Lumina APV								
1995-1990	3.1 V6	D				250-21001		
1996	3.4 V6	E				250-24012		250-24340
1995-1994	3.8 V6	L				250-24012		
1993	3.8 V6	L				250-23011		
1992	3.8 V6	L				250-21001		
LUV								
1982-1980	1.8 L4	N				250-21001		
Malibu								
2018-2016	1.5 L4	T	LFV			250-241188		250-241188
2018-2016	2.0 L4	X	LTG			250-25128		250-241132
2015-2013	2.0 L4	X	LTG			250-241133		250-241132
2008-2007	2.2 L4	F	L61			250-24470		250-24339
2006-2004	2.2 L4	F	L61			250-24273		250-24339

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Malibu (cont'd)								
2014-2013	2.4 L4	R	LUK			250-24492		250-24698
2012-2011	2.4 L4	0, 1, U	LE5, LE9			250-24492		250-24708
2010-2008	2.4 L4	0, B	LE9	LTZ Model		250-24492		250-24708
2010	2.4 L4	Z		Hybrid		250-24704		250-24708
2010	2.4 L4	0, B	LE9	LS Model		250-24704		250-24708
2010	2.4 L4	0	LE9	LT Model		250-24492		250-24708
2010	2.4 L4	B		LT Model		250-24704		250-24708
2009-2008	2.4 L4	5, B		Hybrid, LS/LT Model		250-24704		250-24708
1999	2.4 L4	T				250-21028		250-24617
1998-1997	2.4 L4	T				250-21001		250-24617
2015-2013	2.5 L4	A, L	LCV, LKW			250-241133		250-241132
2003-2001	3.1 V6	J				250-24269		250-24617
2000	3.1 V6	J				250-24018		250-24617
1999	3.1 V6	J, M			Front Rear	250-24018 250-24018		•250-24617
1998-1997	3.1 V6	M				250-24018		250-24617
2010-2008	3.5 V6	K, N			Front Rear	250-24470 250-24470		250-24736 250-24736
2007-2004	3.5 V6	8, N			Front Rear	250-24470 250-24470		250-24267 250-24267
2012-2008	3.6 V6	7			Front Rear	250-24470 250-24470		250-24736 250-24728
1983-1982	3.8 V6	9, A, K				250-21001		
1981-1979	3.8 V6	2, A, K				250-22001		
2007-2006	3.9 V6	1			Front Rear	250-24470 250-24470		250-24267 250-24267
1982	4.4 V8	J				250-21001		
1981-1980	4.4 V8	J				250-22001		
1983-1982	5.0 V8	H				250-21001		
1981-1980	5.0 V8	H				250-22001		
1981-1980	5.7 V8	L				250-22001		
Malibu Limited								
2016	2.5 L4	A	LCV			250-241133		250-241132
Metro								
2000-1998	1.0 L3	6				250-24338		250-24335
2001-1998	1.3 L4	2				250-24338		250-24335
1992	1.3 L4	9		Canada		250-21001		
Monte Carlo								
1999-1997	3.1 V6	M				250-24018		250-24340
1996	3.1 V6	M			Front Rear	250-24012 250-24012		•250-24340
1995	3.1 V6	M			Front Rear	250-24012 250-24012		
2005	3.4 V6	E				250-24269		250-24836
2004-2001	3.4 V6	E				250-24269		250-24340
2000	3.4 V6	E				250-24018		250-24340
1997	3.4 V6	X				250-24018		250-24340
1996	3.4 V6	X				250-24012		250-24340
1995	3.4 V6	X			Front Rear	250-24012 250-24012		
2007-2006	3.5 V6	K, N	LZ4, LZE		Front Rear	250-24470 250-24470		•250-24836
2005-2004	3.8 V6	1, K				250-24273		250-24836
2003-1998	3.8 V6	K				250-24018		250-24340
1987-1985	3.8 V6	A		Canada		250-21001		
1984-1982	3.8 V6	9, A, K				250-21001		
1981-1979	3.8 V6	2, 3, A, K				250-22001		
2006	3.9 V6	1	LZ9		Front Rear	250-24470 250-24470		•250-24836
1988-1986	4.3 V6	Z				250-21001		
1985	4.3 V6	Z				250-23004		
1982	4.4 V8	J				250-21001		
1981-1980	4.4 V8	J				250-22001		
1988-1984	5.0 V8	G		SS Model		250-21001		
1988-1982	5.0 V8	H				250-21001		
1983	5.0 V8	7		Eng. Vin 7		250-21001		

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Monte Carlo (cont'd)								
1981-1980	5.0 V8	H				250-22001		
2007-2006	5.3 V8	C				250-24703		250-24836
Monza								
1980	2.5 L4	V				250-22001		
1980-1979	3.8 V6	2, A				250-22001		
Nova								
1988-1985	1.6 L4	4				250-21056		
1988	1.6 L4	5		Fuel Injection		250-24150		
Optra								
2007-2006	2.0 L4			Canada		250-24628		250-24183
Orlando								
2014-2012	2.4 L4	K, M, T	LAF, LEA			250-24704		250-24708
P20								
1989-1983	4.8 L6	T				250-21001		
1989-1983	5.7 V8	K, M				250-21001		
P30								
1999-1996	4.3 V6	W			Left Right	250-24019 250-24019		•250-24018
1995	4.3 V6	Z				250-24012		
1994-1993	4.3 V6	Z				250-23005		
1992-1990	4.3 V6	Z				250-21001		
1989-1983	4.8 L6	T				250-21001		
1999-1996	5.7 V8	K, R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1983	5.7 V8	K, M				250-21001		
1999-1996	7.4 V8	B, J, N			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1985	7.4 V8	N, W				250-21001		
Prizm								
2002-1998	1.8 L4	8				250-241099		250-24107
R10								
1987	4.3 V6	Z				250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		
R10 Suburban								
1987	5.0 V8	H				250-21001		
1988-1987	5.7 V8	K				250-21001		
R20								
1987	4.3 V6	Z		Calif-ESV		250-21001		
1988-1987	4.8 L6	T				250-21001		
1987	5.0 V8	H				250-21001		
1988-1987	5.7 V8	K				250-21001		
1988-1987	7.4 V8	N				250-21001		
R20 Suburban								
1988-1987	5.7 V8	K				250-21001		
1988-1987	7.4 V8	N				250-21001		
R30								
1988-1987	4.8 L6	T				250-21001		
1988-1987	5.7 V8	K, M				250-21001		
1988-1987	7.4 V8	N, W				250-21001		
R1500 Suburban								
1991-1989	5.7 V8	K				250-21001		
R2500								
1989	5.7 V8					250-21001		
1989	7.4 V8	N				250-21001		
R2500 Suburban								
1991-1989	5.7 V8	K				250-21001		
1991-1989	7.4 V8	N				250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
R3500								
1991-1989	5.7 V8	K				250-21001		
1991-1989	7.4 V8	N, W				250-21001		
S10								
1985-1982	1.9 L4	A				250-21001		
1984-1983	2.0 L4	Y				250-21001		
2003-2000	2.2 L4	5, H				250-22060		250-24340
2000-1999	2.2 L4	4				250-21028		250-24340
1998-1997	2.2 L4	4				250-21001		250-24340
1996	2.2 L4	4				250-21001		250-24012
1995-1994	2.2 L4	4				250-21001		
1993-1985	2.5 L4	A, E				250-21001		
1993-1982	2.8 V6	B, R				250-21001		
2004-2002	4.3 V6	W, X			Left Right	250-24269 250-24269		•250-24269
2001-1999	4.3 V6	W, X			Left Right	250-24012 250-24012		•250-24012
1998-1996	4.3 V6	W, X			Left Right	250-24012 250-24012	250-24012	•250-24012
1995-1994	4.3 V6	W		4 Wire Sensor		250-24012		
1995-1992	4.3 V6	W, Z		3 Wire Sensor		250-23005		
1991-1988	4.3 V6	Z				250-21001		
S10 Blazer								
1984-1983	1.9 L4	A				250-21001		
1984-1983	2.0 L4	Y				250-21001		
1988-1985	2.5 L4	E				250-21001		
1989-1983	2.8 V6	B, R				250-21001		
1994-1992	4.3 V6	W, Z		3 Wire Sensor		250-23005		
1994	4.3 V6	W		4 Wire Sensor		250-24012		
1991-1988	4.3 V6	Z				250-21001		
Silverado 1500								
2018-2014	4.3 V6	H	LV3		Left Right	250-241162 250-241162		250-241132 250-241132
2013-2008	4.3 V6	X			Left Right	250-24703 250-24703		250-24704 250-24704
2007	4.3 V6	X			Left Right	250-24703 250-24703		250-24355 250-24355
2006-2003	4.3 V6	X			Left Right	250-241119 250-241119		250-241119 250-241119
2002-1999	4.3 V6	W			Left Right	250-24012 250-24012		250-24018 250-24018
2002	4.3 V6	X		W/ Engine Vin X W/ Engine Vin X	Left Right	250-24269 250-24269		250-24269 250-24269
2013-2008	4.8 V8	A, C	L20		Left Right	250-24470 250-24470		250-24736 250-24736
2007	4.8 V8	C			Left Right	250-24470 250-24470		250-24267 250-24267
2006	4.8 V8	V			Left Right	250-24703 250-24703		250-24355 250-24355
2005-2003	4.8 V8	V			Left Right	250-241119 250-241119		250-241119 250-241119
2002-2000	4.8 V8	V		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	4.8 V8	V		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
1999	4.8 V8	V			Left Right	250-24012 250-24012		250-24018 250-24018
2018-2016	5.3 V8	R	L8B	Hybrid Hybrid	Left Right	250-241162 250-241162		250-241132 250-241132
2018-2014	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
2013-2008	5.3 V8	0, 3, 7, J, M	LC9, LMG, LY5		Left Right	250-24470 250-24470		250-24736 250-24736
2007	5.3 V8				Left Right	250-24470 250-24470		250-24267 250-24267
2006	5.3 V8	B, T	L59		Left Right	250-24703 250-24703		250-241128 250-241128
2005-2003	5.3 V8	B, T, Z			Left Right	250-24470 250-24470		250-24470 250-24470

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Silverado 1500 (cont'd)								
2002-2000	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2002	5.3 V8	Z			Left Right	250-24269 250-24269		250-24269 250-24269
1999	5.3 V8	T			Left Right	250-24012 250-24012		250-24018 250-24018
2013-2008	6.0 V8	5, J, Y	L76, LFA, LZ1		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	Y	L76		Left Right	250-24470 250-24470		250-24267 250-24267
2006-2003	6.0 V8	N			Left Right	250-24491 250-24491		250-241119 250-241119
2018-2014	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132
2013-2009	6.2 V8	2	L9H		Left Right	250-24470 250-24470		250-24736 250-24736
Silverado 1500 Classic								
2007	4.3 V6	X			Left Right	250-24703 250-24703		250-24355 250-24355
2007	4.8 V8	V			Left Right	250-24703 250-24703		250-24355 250-24355
2007	5.3 V8				Left Right	250-24703 250-24703		250-241128 250-241128
2007	6.0 V8	N			Left Right	250-24491 250-24491		250-24267 250-24267
Silverado 1500 HD								
2006-2005	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
Silverado 1500 HD Classic								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
Silverado 2500								
2000	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
1999	5.3 V8	T			Left Right	250-24012 250-24012		250-24018 250-24018
2004-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2000-1999	6.0 V8	U			Left Right	250-24019 250-24019		250-24202 250-24018
Silverado 2500 HD								
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241133 250-241133		250-241132 250-241132
2015-2013	6.0 V8	B, G	L96, LC8		Left Right	250-24492 250-24492		250-24736 250-24736
2012-2011	6.0 V8	G	L96	Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24492 250-24492		250-24736 250-24736
2012	6.0 V8	G		Cab Chassis Cab Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2011	6.0 V8	G	L96	Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2010-2008	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24728 250-24736

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Silverado 2500 HD (cont'd)								
2010-2008	6.0 V8	G, K		Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24488 250-241119
2007	6.0 V8	K		Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24267 250-24267
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2006-2003	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248
Silverado 2500 HD Classic								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
2007	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
Silverado 3500								
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2006-2003	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248
Silverado 3500 Classic								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
2007	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
Silverado 3500 HD								
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241133 250-241133		250-241132 250-241132
2015-2013	6.0 V8	G	L96	Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2015-2011	6.0 V8	B, G	L96, LC8	Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24492 250-24492		250-24736 250-24736
2012	6.0 V8	G		Cab Chassis Cab Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2011	6.0 V8	G	L96	Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2010-2008	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24728 250-24736
2010-2008	6.0 V8	G, K	L96	Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24488 250-241119
2007	6.0 V8	K		Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24267 250-24267
Sonic								
2018-2012	1.4 L4	B	LUV			250-24847		250-24612
2018-2012	1.8 L4	G, H	LUW, LWE			250-24648		250-24612
Spark								
2015-2013	1.2 L4	9	LL0			250-24470		250-24703
2018-2016	1.4 L4	A	LV7			250-241188		250-241188
Spectrum								
1988-1985	1.5 L4	7, 9, K				250-21001		
Sprint								
1992-1989	1.0 L3	2, 6		Canada		250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Sprint (cont'd)								
1988-1987	1.0 L3	2, 5				250-21001		
1986-1985	1.0 L3	5, M				250-21009		
SS								
2017-2014	6.2 V8	W	LS3		Left Right	250-24491 250-24491		250-24736 250-24736
SSR								
2004-2003	5.3 V8	P			Left Right	250-24269 250-24269		250-24836 250-24836
2006	6.0 V8	H		1st Design - Downstream Square Connector	Left Right	250-24704 250-24704		250-24339 250-24339
2006	6.0 V8	H		2nd Design, Downstream Trapezoid Connector	Left Right	250-24704 250-24704		250-24950 250-24950
2005	6.0 V8	H		2nd Design, Downstream Trapezoid Connector	Left Right	250-24470 250-24470		250-24836 250-24836
Suburban								
2018-2015	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
Suburban 1500								
2014-2008	5.3 V8	0, 3, 7, J	LC9, LMG, LY5		Left Right	250-24470 250-24470		250-24736 250-24736
2007	5.3 V8	0, 3, J	LC9, LMG, LY5		Left Right	250-24703 250-24703		250-24355 250-24355
2006	5.3 V8	T, Z	L59		Left Right	250-24703 250-24703		250-241128 250-241128
2005-2003	5.3 V8	T, Z			Left Right	250-24470 250-24470		250-24470 250-24470
2002-2000	5.3 V8	T, Z		Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	5.3 V8	T, Z		Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2009-2008	6.0 V8	Y	L76		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	Y	L76		Left Right	250-24703 250-24703		250-24355 250-24355
2006	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
Suburban 2500								
2013-2008	6.0 V8	G, K	L96		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K			Left Right	250-24703 250-24703		250-24355 250-24355
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2000	6.0 V8	U			Left Right	250-24019 250-24019		250-24202 250-24018
2006-2003	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248
Tahoe								
2009-2008	4.8 V8	C			Left Right	250-24470 250-24470		250-24736 250-24736
2007-2006	4.8 V8	C, V			Left Right	250-24703 250-24703		250-24355 250-24355
2005-2003	4.8 V8	V			Left Right	250-241119 250-241119		250-241119 250-241119
2002-2000	4.8 V8	V		Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	4.8 V8	V		Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2018-2015	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
2014-2008	5.3 V8	0, 3, J	LC9, LMG, LY5		Left Right	250-24470 250-24470		250-24736 250-24736

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Tahoe (cont'd)								
2007	5.3 V8	0, J	LMG, LY5		Left Right	250-24703 250-24703		250-24355 250-24355
2006	5.3 V8	T, Z	L59		Left Right	250-24703 250-24703		250-241128 250-241128
2005-2003	5.3 V8	T, Z			Left Right	250-24470 250-24470		250-24470 250-24470
2002-2000	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2002	5.3 V8	Z			Left Right	250-24269 250-24269		250-24269 250-24269
2000	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1999-1998	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1999-1998	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1997-1996	5.7 V8	R		w/o Trans Code 4L60-E		250-24019		250-24018
1997-1996	5.7 V8	R		w/ Trans Code 4L60-E		250-24012		250-24018
1995	5.7 V8	K		Heated		250-23011		
1995	5.7 V8	K		Non-Heated		250-21001		
2013-2008	6.0 V8	5, J	LFA, LZ1		Left Right	250-24470 250-24470		250-24736 250-24736
2009	6.2 V8	2	L9H		Left Right	250-24470 250-24470		250-24736 250-24736
Tracker								
2002-2001	1.6 L4	6				250-24049		250-24336
2000-1999	1.6 L4	6		Calif-ESV		250-241115		250-24335
2000-1999	1.6 L4	6		Non Calif-ESV		250-24338		250-24189
1998	1.6 L4	6				250-24338		250-24189
1991-1989	1.6 L4	U				250-21001		
2003-2001	2.0 L4	C				250-241115		250-24336
2000-1999	2.0 L4	C		Calif-ESV		250-241115		250-24335
2000-1999	2.0 L4	C		Non Calif-ESV		250-24338		250-24189
2004-2001	2.5 V6	4			Left Right	250-24372 250-24372		•250-241120
Trailblazer								
2009-2007	4.2 L6	S				250-24698		250-24708
2006	4.2 L6	S				250-24698		250-24703
2005-2004	4.2 L6	S				250-24654		250-24339
2003-2002	4.2 L6	S				250-24355		250-24339
2008	5.3 V8	M			Left Right	250-24704 250-24704		250-24703 250-24491
2007	5.3 V8	M			Left Right	250-24704 250-24704		250-24950 250-24950
2006	5.3 V8	M		1st Design - Downstream Square Connector	Left	250-24704		250-24339
2006	5.3 V8	M		1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M		2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
2006	5.3 V8	M		2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
2009-2008	6.0 V8	H			Left Right	250-24704 250-24704		250-24703 250-24491
2007	6.0 V8	H			Left Right	250-24704 250-24704		250-24950 250-24950
2006	6.0 V8	H		1st Design - Downstream Square Connector	Left	250-24704		250-24339
2006	6.0 V8	H		1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	6.0 V8	H		2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
2006	6.0 V8	H		2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
Trailblazer EXT								
2006	4.2 L6					250-24698		250-24703
2005-2004	4.2 L6					250-24654		250-24339
2003-2002	4.2 L6					250-24355		250-24339
2006	5.3 V8	M	LH6	1st Design - Downstream Square Connector	Left	250-24704		250-24339
2006	5.3 V8	M	LH6	1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M	LH6	2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
2006	5.3 V8	M	LH6	2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
2005	5.3 V8				Left Right	250-24470 250-24470		250-24836 250-24836

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHEVROLET (cont'd)								
Trailblazer EXT (cont'd)								
2004-2003	5.3 V8				Left Right	250-24269 250-24269		250-24836 250-24836
Traverse								
2018	3.6 V6	W	LFY		Front Rear	250-241212 250-241212		250-241212 250-241212
2017-2012	3.6 V6	D	LLT		Front Rear	250-24773 250-24773		250-24773 250-24773
2011-2009	3.6 V6	D	LLT		Front Rear	250-24649 250-24649		250-24649 250-24649
Trax								
2018-2015	1.4 L4	B	LUV			250-24847		250-24612
Uplander								
2006-2005	3.5 V6	L				250-24470		250-24836
2009-2008	3.9 V6	1, W	LGD		Front Rear	250-24470 250-24470		•250-24736
2007	3.9 V6	1, W	LGD		Front Rear	250-24470 250-24470		•250-24836
2006	3.9 V6	1				250-24470		250-24836
V10								
1987	4.3 V6	Z		Calif-ESV		250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		
V10 Suburban								
1988-1987	5.7 V8	K				250-21001		
V20								
1987	4.8 L6	T				250-21001		
1987	5.7 V8	K				250-21001		
V20 Suburban								
1988-1987	5.7 V8	K				250-21001		
1988-1987	7.4 V8	N				250-21001		
V30								
1988-1987	4.8 L6	T				250-21001		
1988-1987	5.7 V8	K, M				250-21001		
1988-1987	7.4 V8	N, W				250-21001		
V1500 Suburban								
1991-1989	5.7 V8	K				250-21001		
V2500 Suburban								
1991-1989	5.7 V8	K				250-21001		
1990	7.4 V8	N				250-21001		
V3500								
1991-1989	5.7 V8	K				250-21001		
1991-1989	7.4 V8	N, W				250-21001		
Venture								
2005	3.4 V6	E				250-24269		250-24836
2004-2001	3.4 V6	E				250-24269		250-24340
2000-1997	3.4 V6	E				250-24018		250-24340
Volt								
2015-2011	1.4 L4	4	LUU			250-24847		250-24649
2018	1.5 L4	5	L3A			250-241162		250-241188
2017-2016	1.5 L4	5	L3A			250-241188		250-241188
CHRYSLER								
200								
2017-2015	2.4 L4	B	ED6, ED8			250-25128		250-24680
2014-2011	2.4 L4	B	ED3, EDG			250-24253		250-24253
2017	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24253 250-24253
2016-2015	3.6 V6	G	ERB		Front Rear	250-24253 250-24253		250-24680 250-24680
2014-2012	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24253 250-24680

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHRYSLER (cont'd)								
200 (cont'd)								
2011	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24680 250-24680
300								
2010-2008	2.7 V6	D, R	EER		Left Right	250-24253 250-24253		250-24253 250-24460
2007-2005	2.7 V6	R	EER		Left Right	250-24253 250-24253		250-24253 250-24253
2010-2008	3.5 V6	G, V			Left Right	250-24253 250-24253		250-24253 250-24253
2007	3.5 V6	G		Calif-ESV Calif-ESV	Left Right	250-24253 250-24253		250-24253 250-24460
2007	3.5 V6	G		Non Calif-ESV Non Calif-ESV	Left Right	250-24253 250-24253		250-24253 250-24253
2006-2005	3.5 V6	G			Left Right	250-24253 250-24253		250-24253 250-24253
2018-2016	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24253
2015	3.6 V6	G	ERB		Left Right	250-24680 250-24253		250-24680 250-24253
2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24253
2013-2011	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
2018-2016	5.7 V8	T	EZH		Left Right	250-24253 250-24680		250-24680 250-24680
2015	5.7 V8	T	EZH		Left Right	250-24253 250-24253		250-24680 250-24253
2014-2013	5.7 V8	T	EZH		Left Right	250-24680 250-24680		250-24680 250-24680
2012-2008	5.7 V8	H, T	EZD, EZH		Left Right	250-24253 250-24253		250-24253 250-24253
2007	5.7 V8	H			Left Right	250-24253 250-24253		250-24253 250-24460
2006-2005	5.7 V8	H			Left Right	250-24680 250-24680		250-24253 250-24460
2010-2008	6.1 V8	W			Left Right	250-24253 250-24253		250-24253 250-24253
2007	6.1 V8	W			Left Right	250-24253 250-24253		250-24253 250-24460
2006-2005	6.1 V8	W			Left Right	250-24680 250-24680		250-24253 250-24460
2014-2013	6.4 V8	J	ESG		Left Right	250-24680 250-24680		250-24680 250-24680
2012	6.4 V8	J	ESG		Left Right	250-24253 250-24253		250-24253 250-24253
300M								
2004-2002	3.5 V6	G, K			Front Rear	250-24113 250-24113		250-24942 250-24942
2001-1999	3.5 V6	G			Front Rear	250-24942 250-24942		250-24942 250-24942
Aspen								
2009-2008	4.7 V8	N, P			Left Right	250-24253 250-24253		250-24460 250-24460
2007	4.7 V8	N, P			Left Right	250-241117 250-241117		250-24251 250-24251
2009	5.7 V8	T			Left Right	250-24253 250-24253		250-24253 250-24253
2009	5.7 V8	T	EZE	Hybrid Hybrid	Left Right	250-24460 250-24460		250-24460 250-24460
2008-2007	5.7 V8	2		Gas Gas	Left Right	250-24253 250-24253		250-24253 250-24253
Cirrus								
2000	2.0 L4	C				250-24942		250-24943
2000-1999	2.4 L4	X				250-24942		250-24943
1997	2.4 L4	X	EDZ			250-24942		250-24002
1996-1995	2.4 L4	X	EDZ			250-24004		250-24002
2000-1998	2.5 V6	H				250-24943		250-24943
1997	2.5 V6	H	EEB			250-24943		250-24002

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHRYSLER (cont'd)								
Cirrus (cont'd)								
1996	2.5 V6	H	EEB			250-24002		250-24002
1995	2.5 V6	H	EEB			250-24004		250-24002
Concorde								
2004-2002	2.7 V6	R	EER		Front Rear	250-24113 250-24113		250-24942 250-24942
2001-1998	2.7 V6	R	EER		Front Rear	250-24942 250-24942		250-24942 250-24942
2001-1998	3.2 V6	J	EGW		Front Rear	250-24942 250-24942		250-24942 250-24942
1996	3.3 V6	T			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1993	3.3 V6	T, U				250-24004		
2004-2002	3.5 V6	G, M			Front Rear	250-24113 250-24113		250-24942 250-24942
1997-1996	3.5 V6	F			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1993	3.5 V6	F			Front Rear	250-24004 250-24004		
Conquest								
1989-1987	2.6 L4	H, N				250-21060		
Cordoba								
1983	3.7 L6					250-21002		
1981-1980	3.7 L6					250-21002		
1983-1980	5.2 V8					250-21002		
Crossfire								
2008-2004	3.2 V6	L			Left Right	250-24469 250-24469		250-24469 250-24469
2006-2005	3.2 V6	N	EGZ	Supercharged Supercharged	Left Right	250-24469 250-24469		250-24469 250-24469
E Class								
1984-1983	2.2 L4	C, E				250-21002		
1984	2.6 L4	G				250-21005		
Executive Limousine								
1985	2.6 L4	G				250-21005		
Executive Sedan								
1984	2.6 L4	G				250-21005		
Fifth Avenue								
1983	3.7 L6	H				250-21002		
1989-1983	5.2 V8	P				250-21002		
Grand Voyager								
2000	3.0 V6	3				250-24942		250-24081
2000	3.3 V6	G				250-24942		250-24081
2000	3.3 V6	R		Exc.TLEV Spec		250-24942		250-24081
2000	3.3 V6	R		TLEV Spec		250-24942		250-24082
Imperial								
1991-1990	3.3 V6	R				250-24004		
1993-1991	3.8 V6	L				250-24004		
1982-1981	5.2 V8	J				250-21002		
Laser								
1986-1984	2.2 L4	D, E				250-21002		
1986	2.5 L4	K				250-21002		
LeBaron								
1990-1989	2.2 L4	A, C, D				250-24004		
1988-1987	2.2 L4	D, E				250-23003		
1986-1982	2.2 L4	B, C, D, E				250-21002		
1994-1989	2.5 L4	J, K				250-24004		
1988-1987	2.5 L4	K				250-23003		
1986	2.5 L4	K				250-21002		
1985-1984	2.6 L4	G				250-21005		
1995-1990	3.0 V6	3				250-24004		
1981-1980	3.7 L6	E, F				250-21002		
1981-1980	5.2 V8					250-21002		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHRYSLER (cont'd)								
LHS								
2001-1999	3.5 V6	G			Front Rear	250-24942 250-24942		250-24942 250-24942
1997-1996	3.5 V6	F			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1994	3.5 V6	F			Front Rear	250-24004 250-24004		
Newport								
1981	3.7 L6	E				250-21002		
1980	3.7 L6	C		Calif-ESV		250-21002		
1981	5.2 V8	K, L, M				250-21002		
1980	5.2 V8	G, H		Calif-ESV		250-21002		
1980	5.9 V8	K		Calif-ESV		250-21002		
New Yorker								
1988-1987	2.2 L4	E				250-23003		
1986-1983	2.2 L4	C, D, E				250-21002		
1987	2.5 L4	K				250-23003		
1986	2.5 L4	K				250-21002		
1985-1984	2.6 L4	G				250-21005		
1989	3.0 V6	3				250-24004		
1988	3.0 V6	3				250-23003		
1993-1990	3.3 V6	R				250-24004		
1996	3.5 V6	F			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1994	3.5 V6	F			Front Rear	250-24004 250-24004		
1982	3.7 L6	E				250-21002		
1993-1991	3.8 V6	L				250-24004		
1982-1980	5.2 V8	G, H, K, M				250-21002		
1980	5.9 V8	K		Calif-ESV		250-21002		
Pacifica								
2006-2005	3.5 V6	4				250-24251		250-241117
2004	3.5 V6	4				250-24835		250-24652
2018-2017	3.6 V6	7, G	EH3, ERC, ERF		Front Rear	250-24253 250-24253		250-24680 250-24680
2008-2007	3.8 V6	L				250-24675		250-24460
2005	3.8 V6	L		From 7/8/2004		250-24675		250-24460
2005	3.8 V6	L		To 7/8/2004		250-24835		250-24460
2008-2007	4.0 V6	X			Front Rear	250-24253 250-24253		250-24253 250-24253
Prowler								
2002-2001	3.5 V6	G			Left Right	250-24942 250-24942		250-24942 250-24942
PT Cruiser								
2010-2004	2.4 L4			Non Turbo		250-24460		250-24253
2009-2004	2.4 L4			Turbo		250-24253		250-24253
2003	2.4 L4					250-24253		250-24345
2002-2001	2.4 L4					250-24113		250-24942
Sebring								
1999-1997	2.0 L4					250-24076		250-24083
1996-1995	2.0 L4					250-24003		250-24083
2010-2007	2.4 L4					250-24675		250-24675
2006-2005	2.4 L4			DOHC		250-24460		250-24253
2005-2001	2.4 L4			SOHC		250-24633		250-24243
2004	2.4 L4			DOHC, w/Next Gen. Eng. Controller		250-24460		250-24253
2004	2.4 L4			DOHC, w/oNext Gen. Eng. Controller		250-24265		250-24942
2003-2001	2.4 L4			DOHC		250-24265		250-24942
1998-1997	2.4 L4					250-24942		250-24074
1996	2.4 L4					250-24004		250-24074
2000-1998	2.5 V6			LX, LXI Models, Calif-ESV	Front Rear	250-24944 250-24942		250-24944 250-24944
2000-1998	2.5 V6			LX, LXI Models, Non Calif-ESV	Front Rear	250-24076 250-24076		250-24075 250-24075
2000-1996	2.5 V6			JX, JXI Models		250-24943		250-24074
1997-1996	2.5 V6			LX, LXI Models	Front Rear	250-24003 250-24002		250-24075 250-24075

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
CHRYSLER (cont'd)								
Sebring (cont'd)								
1995	2.5 V6				Front Rear	250-24003 250-24002		
2010-2005	2.7 V6	D, R, T	EER		Front Rear	250-24253 250-24253		250-24253 250-24253
2004	2.7 V6	R, T	EER	w/ Next Gen. Eng. Controller w/ Next Gen. Eng. Controller	Front Rear	250-24253 250-24253		250-24253 250-24253
2004	2.7 V6	R, T	EER	w/o Next Gen. Eng. Controller w/o Next Gen. Eng. Controller	Front Rear	250-24942 250-24942		250-24942 250-24942
2003-2001	2.7 V6	R, T, U	EER		Front Rear	250-24942 250-24942		250-24942 250-24942
2005-2001	3.0 V6				Front Rear	250-24233 250-24233		250-24241 250-24241
2010-2007	3.5 V6				Front Rear	250-24253 250-24253		250-24253 250-24253
TC Maserati								
1990	2.2 L4	R				250-23003		
1989	2.2 L4	P, R				250-24004		
1991-1990	3.0 V6	S				250-24004		
Town & Country								
1988-1987	2.2 L4					250-23003		
1986-1982	2.2 L4					250-21002		
1988-1987	2.5 L4					250-23003		
1986	2.5 L4					250-21002		
1985-1984	2.6 L4					250-21005		
2010-2006	3.3 V6	H				250-24675		250-24460
2005	3.3 V6			w/Next Gen. Eng. Controller		250-24675		250-24460
2005	3.3 V6			w/o Next Gen. Eng. Controller		250-24835		250-24460
2004	3.3 V6					250-24835		250-24460
2003-2001	3.3 V6					250-24294		250-24944
2000-1996	3.3 V6			w/o LLE		250-24942		250-24081
2000-1996	3.3 V6			with LLE		250-24942		250-24082
1993-1990	3.3 V6					250-24004		
2016-2015	3.6 V6	G	ERB		Front Rear	250-24680 250-24253		250-24680 250-24253
2014-2011	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24680 250-24253
1981-1980	3.7 L6					250-21002		
2010-2006	3.8 V6					250-24675		250-24460
2005	3.8 V6			w/Next Gen. Eng. Controller		250-24675		250-24460
2005	3.8 V6			w/o Next Gen. Eng. Controller		250-24835		250-24460
2004	3.8 V6					250-24835		250-24460
2003-2001	3.8 V6					250-24294		250-24944
2000-1996	3.8 V6	L		w/o LLE		250-24942		250-24081
2000-1996	3.8 V6	L		with LLE		250-24942		250-24082
1995	3.8 V6					250-24942		
1994	3.8 V6					250-24004		
2010-2008	4.0 V6	X			Front Rear	250-24253 250-24253		250-24253 250-24253
1981-1980	5.2 V8					250-21002		
Voyager								
2003-2001	2.4 L4	B				250-24314		250-24944
2000	2.4 L4	B		w/o LLE		250-24943		250-24081
2000	2.4 L4	B		with LLE		250-24943		250-24082
2000	3.0 V6	3				250-24942		250-24081
2003-2001	3.3 V6	3, R				250-24294		250-24944
2000	3.3 V6	G				250-24942		250-24081
2000	3.3 V6	R		w/o LLE		250-24942		250-24081
2000	3.3 V6	R		with LLE		250-24942		250-24082
DAEWOO								
Lanos								
2002-1999	1.6 L4	6				250-22001		250-24012
Leganza								
2002-1999	2.2 L4	2				250-22001		250-24012

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DAEWOO (cont'd)								
Nubira								
2002-1999	2.0 L4	Z				250-22001		250-24406
DAIHATSU								
Charade								
1992-1988	1.0 L3	0				250-21056		
1992-1989	1.3 L4	2				250-21056		
Rocky								
1992-1990	1.6 L4	0				250-21056		
DODGE								
400								
1983-1982	2.2 L4					250-21002		
600								
1988-1987	2.2 L4					250-23003		
1986-1983	2.2 L4					250-21002		
1988-1987	2.5 L4					250-23003		
1986	2.5 L4					250-21002		
1985-1984	2.6 L4					250-21005		
Aries								
1989	2.2 L4					250-24004		
1988-1987	2.2 L4					250-23003		
1986-1981	2.2 L4					250-21002		
1989	2.5 L4					250-24004		
1988-1987	2.5 L4					250-23003		
1986	2.5 L4					250-21002		
1985-1984	2.6 L4					250-21005		
Aspen								
1980	3.7 L6	C, D		Calif-ESV		250-21002		
1980	5.2 V8	G, H		Calif-ESV		250-21002		
1980	5.9 V8	L				250-21002		
Avenger								
1999-1997	2.0 L4					250-24076		250-24083
1996-1995	2.0 L4					250-24003		250-24083
2014-2011	2.4 L4	B	ED3, EDG			250-24253		250-24253
2010-2008	2.4 L4	B, J, K				250-24675		250-24675
2000-1998	2.5 V6			Calif-ESV Calif-ESV	Front Rear	250-24942 250-24944		250-24944 250-24944
2000-1998	2.5 V6			Non Calif-ESV Non Calif-ESV	Front Rear	250-24076 250-24076		250-24075 250-24075
1997-1996	2.5 V6				Front Rear	250-24003 250-24002		250-24075 250-24075
1995	2.5 V6				Front Rear	250-24003 250-24002		
2010-2008	2.7 V6	D, R	EER		Front Rear	250-24253 250-24253		250-24253 250-24253
2010-2008	3.5 V6	M, V			Front Rear	250-24253 250-24253		250-24253 250-24253
2014-2012	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24253 250-24680
2011	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24680 250-24680
B150								
1987-1981	3.7 L6					250-21002		
1994-1992	3.9 V6					250-24002		
1991	3.9 V6					250-24004		
1990	3.9 V6					250-24002		
1989-1988	3.9 V6					250-24014		
1994-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1981	5.2 V8					250-21002		
B200								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
B200 (cont'd)								
1980	5.9 V8					250-21002		
B250								
1987-1981	3.7 L6					250-21002		
1994-1992	3.9 V6					250-24002		
1991	3.9 V6					250-24004		
1990	3.9 V6					250-24002		
1989-1988	3.9 V6					250-24014		
1994-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1981	5.2 V8					250-21002		
1994	5.9 V8					250-24002		
1993-1988	5.9 V8					250-24004		
1987-1984	5.9 V8					250-21002		
1981	5.9 V8					250-21002		
B300								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
B350								
1994-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1981	5.2 V8					250-21002		
1994	5.9 V8					250-24002		
1993-1988	5.9 V8					250-24004		
1987-1981	5.9 V8					250-21002		
B1500								
1998	3.9 V6					250-24942		250-24943
1997	3.9 V6					250-24942		250-24942
1996	3.9 V6					250-24942		250-24943
1995	3.9 V6					250-24002		
1998	5.2 V8					250-24942		250-24943
1997	5.2 V8					250-24942		250-24942
1996	5.2 V8					250-24942		250-24943
1995	5.2 V8					250-24002		
1998	5.9 V8					250-24942		250-24943
B2500								
1997	3.9 V6					250-24942		250-24942
1996	3.9 V6					250-24942		250-24943
1995	3.9 V6					250-24002		
1998	5.2 V8					250-24942		250-24943
1997	5.2 V8					250-24942		250-24942
1996	5.2 V8					250-24942		250-24943
1995	5.2 V8					250-24002		
1998	5.9 V8					250-24942		250-24943
1997	5.9 V8					250-24942		250-24942
1996	5.9 V8					250-24942		250-24943
1995	5.9 V8					250-24002		
B3500								
1998	5.2 V8					250-24942		250-24943
1997-1996	5.2 V8					250-24942		250-24942
1995	5.2 V8					250-24002		
1998	5.9 V8					250-24942		250-24943
1997	5.9 V8					250-24942		250-24942
1996	5.9 V8					250-24942		250-24943
1995	5.9 V8					250-24002		
Caliber								
2009-2007	1.8 L4	C				250-24675		250-24675
2012-2011	2.0 L4	A	ECN			250-24253		250-24253
2010-2007	2.0 L4	A, B				250-24675		250-24675
2011	2.4 L4	B	ED3			250-24253		250-24253
2010-2007	2.4 L4	B, F, K				250-24675		250-24675

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Caravan								
1987-1984	2.2 L4					250-21002		
2007-2004	2.4 L4					250-24253		250-24460
2003-2001	2.4 L4					250-24314		250-24944
2000-1997	2.4 L4	B				250-24943		250-24081
1996	2.4 L4	B		w/o LLE		250-24942		250-24081
1996	2.4 L4	B		with LLE		250-24942		250-24082
1995-1989	2.5 L4					250-24004		
1988	2.5 L4					250-23003		
1987-1984	2.6 L4					250-21005		
2000-1997	3.0 V6	3				250-24942		250-24081
1996	3.0 V6	3		w/o LLE		250-24942		250-24081
1996	3.0 V6	3		with LLE		250-24942		250-24082
1995	3.0 V6					250-24942		
1994-1989	3.0 V6					250-24004		
1988-1987	3.0 V6					250-23003		
2007-2006	3.3 V6					250-24675		250-24460
2005	3.3 V6			From 7/8/2004		250-24675		250-24460
2005	3.3 V6			To 7/8/2004		250-24835		250-24460
2004	3.3 V6					250-24835		250-24460
2003-2001	3.3 V6					250-24294		250-24944
2000-1996	3.3 V6	G, R		w/o LLE		250-24942		250-24081
2000-1996	3.3 V6	G, R		with LLE		250-24942		250-24082
1995	3.3 V6					250-24942		
1994-1990	3.3 V6					250-24004		
1999-1996	3.8 V6			w/o LLE		250-24942		250-24081
1999-1996	3.8 V6			with LLE		250-24942		250-24082
Challenger								
2010-2009	3.5 V6	V			Left	250-24253		250-24253
					Right	250-24253		250-24253
2018-2015	3.6 V6	G	ERB		Left	250-24680		250-24680
					Right	250-24680		250-24253
2014-2011	3.6 V6	G	ERB		Left	250-24680		250-24680
					Right	250-24680		250-24680
2018-2017	5.7 V8	T	EZC		Left	250-24253		250-24680
					Right	250-24680		250-24680
2016-2015	5.7 V8	T	EZC, EZH		Left	250-24253		250-24680
					Right	250-24253		250-24680
2014-2013	5.7 V8	T	EZC, EZH		Left	250-24680		250-24680
					Right	250-24680		250-24680
2012-2009	5.7 V8	T	EZC, EZH		Left	250-24253		250-24253
					Right	250-24253		250-24253
2010-2008	6.1 V8	W			Left	250-24253		250-24253
					Right	250-24253		250-24253
2017-2015	6.2 V8	9	ESD	SRT Hellcat	Left	250-25128		250-24680
				SRT Hellcat	Right	250-25128		250-24680
2018-2015	6.4 V8	J	ESG, ESH		Left	250-24253		250-24680
					Right	250-24680		250-24680
2014-2013	6.4 V8	J	ESG, ESH		Left	250-24680		250-24680
					Right	250-24680		250-24680
2012-2011	6.4 V8	J	ESG, ESH		Left	250-24253		250-24253
					Right	250-24253		250-24253
Charger								
1986-1985	1.6 L4					250-21002		
1987	2.2 L4					250-23003		
1986-1983	2.2 L4					250-21002		
2010-2008	2.7 V6	D, R	EER		Left	250-24253		250-24253
					Right	250-24253		250-24460
2007-2006	2.7 V6	R	EER		Left	250-24253		250-24253
					Right	250-24253		250-24253
2010-2008	3.5 V6				Left	250-24253		250-24253
					Right	250-24253		250-24253
2007	3.5 V6			Calif-ESV	Left	250-24253		250-24253
				Calif-ESV	Right	250-24253		250-24460
2007	3.5 V6			Non Calif-ESV	Left	250-24253		250-24253
				Non Calif-ESV	Right	250-24253		250-24253
2006	3.5 V6				Left	250-24253		250-24253
					Right	250-24253		250-24253

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Charger (cont'd)								
2018-2015	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24253
2014	3.6 V6			5-Speed Trans 5-Speed Trans	Left Right	250-24680 250-24680		250-24680 250-24680
2014	3.6 V6			8-Speed Trans 8-Speed Trans	Left Right	250-24680 250-24680		250-24680 250-24253
2013-2011	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
2018-2015	5.7 V8	T	EZH		Left Right	250-24253 250-24680		250-24680 250-24680
2014-2013	5.7 V8	T	EZH		Left Right	250-24680 250-24680		250-24680 250-24680
2012-2008	5.7 V8	T	EZH		Left Right	250-24253 250-24253		250-24253 250-24253
2007	5.7 V8				Left Right	250-24253 250-24253		250-24253 250-24460
2006	5.7 V8				Left Right	250-24680 250-24680		250-24253 250-24253
2010-2008	6.1 V8				Left Right	250-24253 250-24253		250-24253 250-24253
2007	6.1 V8				Left Right	250-24253 250-24253		250-24253 250-24460
2006	6.1 V8				Left Right	250-24680 250-24680		250-24253 250-24460
2017-2015	6.2 V8	9	ESD	SRT Hellcat SRT Hellcat	Left Right	250-25128 250-25128		250-24680 250-24680
2018-2015	6.4 V8	J	ESG		Left Right	250-24253 250-24680		250-24680 250-24680
2014-2013	6.4 V8	J	ESG		Left Right	250-24680 250-24680		250-24680 250-24680
2012	6.4 V8	J	ESG		Left Right	250-24253 250-24253		250-24253 250-24253
Colt								
1984	1.4 L4					250-21005		
1994-1993	1.5 L4			Calif-ESV		250-24020		250-24472
1994-1993	1.5 L4			Non Calif-ESV		250-22066		
1992	1.5 L4					250-22066		
1991-1990	1.5 L4			M/T		250-22002		
1991	1.5 L4			A/T		250-22066		
1990	1.5 L4			A/T , Calif-ESV		250-22002		
1990	1.5 L4			A/T , Non Calif-ESV		250-21007		
1989	1.5 L4			Calif-ESV		250-22002		
1989	1.5 L4			Non Calif-ESV		250-21007		
1988-1987	1.5 L4					250-21007		
1986-1985	1.5 L4					250-21005		
1990	1.6 L4			Calif-ESV		250-22002		
1990	1.6 L4			Non Calif-ESV		250-21007		
1989	1.6 L4					250-24007		
1988-1987	1.6 L4					250-21007		
1986-1984	1.6 L4					250-21005		
1994-1993	1.8 L4			Calif-ESV		250-24232		250-24229
1994-1993	1.8 L4			Non Calif-ESV		250-22066		
1990-1989	1.8 L4					250-21007		
1991-1989	2.0 L4			Calif-ESV		250-22002		
1991-1989	2.0 L4			Non Calif-ESV		250-21062		
1988	2.0 L4					250-21007		
1987	2.0 L4			From 10/86		250-21007		
1987	2.0 L4			To 10/86		250-21005		
1986-1984	2.0 L4					250-21005		
Conquest								
1986-1984	2.6 L4	H, N				250-21060		
D100								
1987-1985	3.7 L6					250-21002		
1989-1988	3.9 V6					250-24013		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1985	5.2 V8					250-21002		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
D100 (cont'd)								
1988	5.9 V8					250-24004		
1987-1985	5.9 V8					250-21002		
D150								
1987-1980	3.7 L6					250-21002		
1993-1990	3.9 V6					250-24002		
1989-1988	3.9 V6					250-24013		
1993-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1980	5.2 V8					250-21002		
1993	5.9 V8					250-24004		
1991-1988	5.9 V8					250-24004		
1987-1984	5.9 V8					250-21002		
1982-1980	5.9 V8					250-21002		
D200								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
D250								
1987-1981	3.7 L6					250-21002		
1993-1990	3.9 V6					250-24002		
1989-1988	3.9 V6					250-24013		
1993-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1981	5.2 V8					250-21002		
1993-1988	5.9 V8					250-24004		
1987-1984	5.9 V8					250-21002		
1982-1981	5.9 V8					250-21002		
D300								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
D350								
1983-1981	5.2 V8					250-21002		
1993-1988	5.9 V8					250-24004		
1987-1981	5.9 V8					250-21002		
Dakota								
1988-1987	2.2 L4					250-23003		
2002-2001	2.5 L4					250-24345		250-24345
2000-1998	2.5 L4					250-24942		250-24942
1997	2.5 L4					250-24942		250-24943
1996	2.5 L4					250-24004		250-24943
1995-1989	2.5 L4					250-24004		
2010-2007	3.7 V6					250-24253		250-24460
					Left	250-24460		250-24460
2006	3.7 V6				Right	250-24680		250-24460
					Left	250-24460		250-24253
2005	3.7 V6				Right	250-24680		250-24460
					Left	250-24680		250-24253
2004	3.7 V6				Right	250-24253		250-24259
					Left	250-24253		250-24345
2003	3.9 V6				Right	250-24460		250-24259
					Left	250-24253		250-24345
2002	3.9 V6				Right	250-24460		250-24259
				Calif-ESV	Left	250-24253		250-24345
2002	3.9 V6			Calif-ESV	Right	250-24253		250-24345
				Non Calif-ESV	Left	250-24345		250-24345
2001	3.9 V6				Right	250-24460		250-24259
					Left	250-24253		250-24345
2000-1998	3.9 V6				Right	250-24942		250-24942
1997-1996	3.9 V6					250-24942		250-24943
1995-1990	3.9 V6					250-24002		
1989-1988	3.9 V6					250-24013		
1987	3.9 V6					250-23003		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Dakota (cont'd)								
2010-2008	4.7 V8				Left Right	250-24253 250-24460		250-24460 250-24460
2007	4.7 V8				Left Right	250-241117 250-24251		250-24251 250-24251
2006	4.7 V8				Left Right	250-241117 250-24251		250-24251 250-241117
2005	4.7 V8				Left Right	250-241117 250-241117		250-24251 250-241117
2004-2003	4.7 V8				Left Right	250-241118 250-241118		250-24252 250-241118
2002	4.7 V8				Left Right	250-241118 250-241118		250-241118 250-241118
2001	4.7 V8			A/T	Left Right	250-24249 250-24249		250-24276 250-24249
2001	4.7 V8			A/T	Left Right	250-24249 250-24249		250-24249 250-24249
2001	4.7 V8			M/T	Left Right	250-24249 250-24249		250-24249 250-24249
2001	4.7 V8			M/T	Left Right	250-24249 250-24249		250-24249 250-24249
2000	4.7 V8				Left Right	250-24947 250-24947		250-24947 250-24947
1999-1998	5.2 V8					250-24942		250-24942
1997-1996	5.2 V8					250-24942		250-24943
1995-1994	5.2 V8					250-24002		
1993	5.2 V8			12" Lead		250-24013		
1993	5.2 V8			18" Lead		250-24002		
1992-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
2003-2002	5.9 V8			Calif-ESV	Left Right	250-24460 250-24253		250-24259 250-24345
2003-2002	5.9 V8			Calif-ESV		250-24345		250-24345
2001	5.9 V8			Non Calif-ESV	Left Right	250-24460 250-24253		250-24259 250-24345
2000	5.9 V8				Left Right	250-24942 250-24942		250-24942 •250-24942
1999-1998	5.9 V8				Left Right	250-24942 250-24943		
Dart								
2016-2015	1.4 L4	H	EAF			250-25121		250-241003
2014-2013	1.4 L4	H	EAF			250-25017		250-241003
2014-2013	2.0 L4	A	ECK			250-24460		250-24680
2016-2013	2.4 L4	B	ED6, ED8			250-25127		250-24680
Daytona								
1993-1992	2.2 L4					250-24004		
1990-1989	2.2 L4					250-24004		
1988-1987	2.2 L4					250-23003		
1986-1984	2.2 L4					250-21002		
1993-1989	2.5 L4					250-24004		
1988-1987	2.5 L4					250-23003		
1986	2.5 L4					250-21002		
1993-1990	3.0 V6					250-24004		
Diplomat								
1983-1981	3.7 L6					250-21002		
1980	3.7 L6					250-21002		
1989-1980	5.2 V8			Calif-ESV		250-21002		
Durango								
2018-2016	3.6 V6	G	ERC		Left Right	250-24680 250-24680		250-24253 250-24680
2015-2014	3.6 V6	G	ERB		Left Right	250-24253 250-24680		250-24253 250-24680
2013-2012	3.6 V6	G	ERB		Left Right	250-24253 250-24680		250-24680 250-24680
2011	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
2009-2007	3.7 V6	K			Left Right	250-24253 250-24253		250-24460 250-24460
2006-2005	3.7 V6	K			Left Right	250-24680 250-24680		250-24460 250-24253
2004	3.7 V6	K			Left Right	250-24253 250-24253		250-24259 250-24345
1999-1998	3.9 V6	X				250-24942		250-24942

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Durango (cont'd)								
2009-2008	4.7 V8	N, P			Left Right	250-24253 250-24253		250-24460 250-24460
2007	4.7 V8	N, P			Left Right	250-241117 250-241117		250-24251 250-24251
2006	4.7 V8	N, P			Left Right	250-241117 250-241117		250-24251 250-241117
2005-2004	4.7 V8	N			Left Right	250-241118 250-241118		250-24252 250-241118
2003	4.7 V8	N		Calif-ESV Calif-ESV	Left Right	250-241118 250-241118		250-24252 250-241118
2003	4.7 V8	N		Non Calif-ESV Non Calif-ESV	Left Right	250-241118 250-241118		•250-241118
2002	4.7 V8	N		w/ Next Gen. Eng. Controller, Calif ESV w/ Next Gen. Eng. Controller, Calif ESV	Left Right	250-241118 250-241118		250-24276 250-24249
2002	4.7 V8	N		w/ Next Gen. Eng. Controller, Non Calif-ESV w/ Next Gen. Eng. Controller, Non Calif-ESV	Left Right	250-241118 250-241118		•250-24249
2002	4.7 V8	N		w/o Next Gen. Eng. Controller, Calif ESV w/o Next Gen. Eng. Controller, Calif ESV	Left Right	250-24249 250-24249		250-24276 250-24249
2002	4.7 V8	N		w/o Next Gen. Eng. Controller, Non Calif-ESV	Left	250-24249		250-24249
2001	4.7 V8	N		Calif-ESV Calif-ESV	Left Right	250-24249 250-24249		250-24276 250-24249
2001	4.7 V8	N		Non Calif-ESV	Left	250-24249		250-24249
2000	4.7 V8	N			Left Right	250-24947 250-24947		250-24947 250-24947
2000-1998	5.2 V8	Y				250-24942		250-24942
2018	5.7 V8	T	EZH		Left Right	250-24253 250-24680		250-24680 250-24680
2017-2012	5.7 V8	T	EZH		Left Right	250-24680 250-24680		250-24680 250-24680
2011	5.7 V8	T	EZH		Left Right	250-24460 250-24460		250-24460 250-24460
2009-2007	5.7 V8	2, T			Left Right	250-24253 250-24253		250-24253 250-24253
2009	5.7 V8	T		Hybrid Hybrid	Left Right	250-24460 250-24460		250-24460 250-24460
2006	5.7 V8	2			Left Right	250-24680 250-24680		250-24253 250-24253
2005	5.7 V8	D			Left Right	250-24680 250-24680		250-24460 250-24253
2004	5.7 V8	D			Left Right	250-24253 250-24253		250-24259 250-24345
2003-2001	5.9 V8	Z		Calif-ESV Calif-ESV	Left Right	250-24460 250-24253		250-24259 250-24345
2003-2001	5.9 V8	Z		Non Calif-ESV		250-24345		250-24345
2000-1998	5.9 V8	Z				250-24942		250-24942
2018	6.4 V8	J	ESG		Left Right	250-24253 250-24680		250-24680 250-24680
Dynasty								
1993-1989	2.5 L4	K				250-24004		
1988	2.5 L4	K				250-23003		
1993-1989	3.0 V6	3				250-24004		
1988	3.0 V6	3				250-23003		
1993-1990	3.3 V6	R				250-24004		
Grand Caravan								
1997-1996	2.4 L4	B				250-24943		250-24081
1989	2.5 L4					250-24004		
1988-1987	2.5 L4					250-23003		
2000-1997	3.0 V6	3				250-24942		250-24081
1996	3.0 V6	3		w/o LLE		250-24942		250-24081
1996	3.0 V6	3		with LLE		250-24942		250-24082
1995	3.0 V6					250-24942		
1994-1992	3.0 V6					250-24004		
1989	3.0 V6					250-24004		
1988-1987	3.0 V6					250-23003		
2010-2006	3.3 V6	E, H, R				250-24675		250-24460
2005	3.3 V6	E, R		w/o Next Gen. Eng. Controller		250-24835		250-24460
2005	3.3 V6	E, R		w Next Gen. Eng. Controller		250-24675		250-24460
2004	3.3 V6	R				250-24835		250-24460

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Grand Caravan (cont'd)								
2003-2001	3.3 V6	3, R				250-24294		250-24944
2000-1996	3.3 V6	G, J, R		w/o LLE		250-24942		250-24081
2000-1996	3.3 V6	G, J, R		with LLE		250-24942		250-24082
1995	3.3 V6					250-24942		
1994-1990	3.3 V6					250-24004		
2018-2011	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24680 250-24253
2010-2006	3.8 V6	1, L, P				250-24675		250-24460
2005-2004	3.8 V6	L				250-24835		250-24460
2003-2001	3.8 V6	L				250-24294		250-24944
2000-1996	3.8 V6	L		w/o LLE		250-24942		250-24081
2000-1996	3.8 V6	L		with LLE		250-24942		250-24082
1995	3.8 V6					250-24942		
1994	3.8 V6					250-24004		
2010-2008	4.0 V6	X			Front Rear	250-24253 250-24253		250-24253 250-24253
Intrepid								
2004-2002	2.7 V6	R	EER		Front Rear	250-24113 250-24113		250-24942 250-24942
2001-1998	2.7 V6	R, U	EER		Front Rear	250-24942 250-24942		250-24942 250-24942
2000-1998	3.2 V6	J			Front Rear	250-24942 250-24942		250-24942 250-24942
1997-1996	3.3 V6	T			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1993	3.3 V6	T, U				250-24004		
2004-2002	3.5 V6	G, M, V			Front Rear	250-24113 250-24113		250-24942 250-24942
2001-2000	3.5 V6	V			Front Rear	250-24942 250-24942		250-24942 250-24942
1997-1996	3.5 V6	F			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1994	3.5 V6	F				250-24004		
1993	3.5 V6	F				250-24942		
Journey								
2018	2.4 L4	B	ED3			250-25128		250-24680
2017-2011	2.4 L4	B	ED3			250-24253		250-24253
2010-2009	2.4 L4	B				250-24675		250-24675
2010-2009	3.5 V6	V			Front Rear	250-24253 250-24253		250-24253 250-24253
2018-2012	3.6 V6	G	ERB		Front Rear	250-24680 250-24680		250-24253 250-24680
2011	3.6 V6	G			Front Rear	250-24680 250-24680		250-24680 250-24680
Lancer								
1989	2.2 L4	A, D				250-24004		
1988-1987	2.2 L4	A, D, E				250-23003		
1986-1985	2.2 L4	D, E				250-21002		
1989	2.5 L4	J, K				250-24004		
1988-1987	2.5 L4	K				250-23003		
1986	2.5 L4	K				250-21002		
Magnum								
2008	2.7 V6	T			Left Right	250-24253 250-24253		250-24253 250-24460
2007-2005	2.7 V6	T			Left Right	250-24253 250-24253		250-24253 250-24253
2008	3.5 V6	V			Left Right	250-24253 250-24253		250-24253 250-24253
2007	3.5 V6	V		Calif-ESV Calif-ESV	Left Right	250-24253 250-24253		250-24253 250-24460
2007	3.5 V6	V		Non Calif-ESV Non Calif-ESV	Left Right	250-24253 250-24253		250-24253 250-24253
2006-2005	3.5 V6	V			Left Right	250-24253 250-24253		250-24253 250-24253
2008	5.7 V8	2			Left Right	250-24253 250-24253		250-24253 250-24253

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Magnum (cont'd)								
2007	5.7 V8	2			Left Right	250-24253 250-24253		250-24253 250-24460
2006	5.7 V8	2			Left Right	250-24680 250-24680		250-24253 250-24253
2005	5.7 V8	2			Left Right	250-24680 250-24680		250-24253 250-24460
2008	6.1 V8	3			Left Right	250-24253 250-24253		250-24253 250-24253
2007	6.1 V8	3			Left Right	250-24253 250-24253		250-24253 250-24460
2006	6.1 V8	3			Left Right	250-24680 250-24680		250-24253 250-24460
Mini Ram								
1987-1984	2.2 L4	C				250-21002		
1988-1987	2.5 L4	K				250-23003		
1987-1984	2.6 L4	G				250-21005		
1988-1987	3.0 V6	3				250-23003		
Mirada								
1983-1980	3.7 L6					250-21002		
1980	3.7 L6			Calif-ESV		250-21002		
1983-1981	5.2 V8					250-21002		
1980	5.2 V8			Calif-ESV		250-21002		
1980	5.9 V8			Calif-ESV		250-21002		
Monaco								
1992-1991	3.0 V6	U				250-24013		
1990	3.0 V6	U				250-23501		
Neon								
2005-2004	2.0 L4					250-24460		250-24345
2003	2.0 L4					250-24253		250-24345
2002-2001	2.0 L4					250-24946		250-24942
2000	2.0 L4			LEV Spec		250-24942		250-24945
2000	2.0 L4			ULEV Spec		250-24946		250-24942
1999-1997	2.0 L4					250-24942		250-24945
1996-1995	2.0 L4					250-24004		250-24013
2005-2003	2.4 L4					250-24253		250-24345
Nitro								
2011-2007	3.7 V6	K			Left Right	250-24253 250-24253		250-24253 250-24253
2011-2007	4.0 V6	6, X			Left Right	250-24253 250-24253		250-24253 250-24253
Omni								
1986-1983	1.6 L4	A				250-21002		
1983-1981	1.7 L4	A, B				250-21002		
1980	1.7 L4	A		Calif-ESV		250-21002		
1990-1989	2.2 L4	D				250-24004		
1988	2.2 L4	D				250-23003		
1987-1981	2.2 L4	8, B, C				250-21002		
Power Ram 50								
1986-1985	2.6 L4	E				250-21005		
Raider								
1989-1987	2.6 L4	E				250-21005		
1989	3.0 V6	S				250-22065		
Ram 50								
1989-1984	2.0 L4	D				250-21005		
1993	2.4 L4	G		Calif-ESV , A/T		250-24237		250-24238
1993	2.4 L4	G		Calif-ESV , M/T		250-24228		250-24238
1993	2.4 L4	G		Non Calif-ESV		250-22067		
1992-1991	2.4 L4	W				250-22067		
1990	2.4 L4	W		Calif-ESV		250-22067		
1990	2.4 L4	W		Non Calif-ESV		250-21061		
1989-1984	2.6 L4	E				250-21005		
1991-1990	3.0 V6	S				250-24237		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Ram 1500								
2010-2007	3.7 V6				Left Right	250-24253 250-24253		250-24253 250-24253
2006-2005	3.7 V6				Left Right	250-24680 250-24680		250-24253 250-24253
2004	3.7 V6				Left Right	250-24253 250-24253		250-24345 250-24345
2003	3.7 V6			A/T A/T	Left Right	250-24345 250-24345		250-24345 250-24345
2003	3.7 V6			M/T M/T	Left Right	250-24345 250-24345		250-24259 250-24259
2002	3.7 V6				Left Right	250-24345 250-24345		250-24259 250-24259
2001	3.9 V6			Calif-ESV, From 02/21/01		250-24943		250-24259
2001	3.9 V6			Calif-ESV, To 02/21/01		250-24943		250-24943
2001	3.9 V6			Non Calif-ESV, From 02/21/01		250-24259		250-24259
2001	3.9 V6			Non Calif-ESV, To 02/21/01		250-24259		250-24943
2000	3.9 V6					250-24943		250-24943
1999	3.9 V6					250-24943		250-24942
1998	3.9 V6					250-24943		250-24943
1997	3.9 V6					250-24942		250-24943
1996	3.9 V6			A/T		250-24942		250-24943
1996	3.9 V6			M/T		250-24943		250-24943
1995	3.9 V6					250-24943		250-24004
1994	3.9 V6					250-24002		
2010-2008	4.7 V8				Left Right	250-24253 250-24253		250-24253 250-24253
2007-2005	4.7 V8				Left Right	250-241117 250-241117		250-241117 250-241117
2004-2003	4.7 V8				Left Right	250-241118 250-241118		250-241118 250-241118
2002	4.7 V8			A/T, Calif-ESV A/T, Calif-ESV	Left Right	250-24249 250-24249		250-24276 250-24249
2002	4.7 V8			A/T, Non Calif-ESV A/T, Non Calif-ESV	Left Right	250-24249 250-24249		250-24276 250-24276
2002	4.7 V8			M/T, Calif-ESV M/T, Calif-ESV	Left Right	250-24276 250-24276		250-24276 250-24249
2002	4.7 V8			M/T, Non Calif-ESV M/T, Non Calif-ESV	Left Right	250-24276 250-24276		250-24276 250-24276
2001	5.2 V8			A/T, Calif-ESV, From 02/21/00		250-24942		250-24259
2001	5.2 V8			A/T, Calif-ESV, To 02/21/00		250-24942		250-24943
2001	5.2 V8			A/T, Non Calif-ESV, From 02/21/00		250-24259		250-24259
2001	5.2 V8			A/T, Non Calif-ESV, To 02/21/00		250-24259		250-24943
2000	5.2 V8			A/T, Calif-ESV A/T, Calif-ESV	Left Right	250-24942 250-24942		●250-24943
2000	5.2 V8			A/T, Non Calif-ESV A/T, Non Calif-ESV	Left Right	250-24943 250-24943		●250-24943
2000	5.2 V8			M/T		250-24943		250-24943
1999-1997	5.2 V8			A/T		250-24943		250-24943
1999-1997	5.2 V8			M/T		250-24942		250-24943
1996	5.2 V8			A/T		250-24942		250-24943
1996	5.2 V8			M/T		250-24943		250-24943
1995	5.2 V8					250-24943		250-24004
1994	5.2 V8					250-24002		
2010-2009	5.7 V8				Left Right	250-24253 250-24460		250-24253 250-24460
2008	5.7 V8				Left Right	250-24253 250-24253		250-24253 250-24460
2007	5.7 V8				Left Right	250-24253 250-24253		250-24460 250-24460
2006-2005	5.7 V8				Left Right	250-24680 250-24680		250-24253 250-24253
2004	5.7 V8				Left Right	250-24253 250-24253		250-24345 250-24345
2003	5.7 V8				Left Right	250-24253 250-24253		250-24259 250-24259
2003	5.9 V8				Left Right	250-24259 250-24259		250-24259 250-24259
2002	5.9 V8			A/T, Calif-ESV A/T, Calif-ESV	Left Right	250-24253 250-24253		250-24259 250-24259

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Ram 1500 (cont'd)								
2002	5.9 V8			A/T, Non Calif-ESV A/T, Non Calif-ESV	Left Right	250-24259 250-24259		•250-24259
2002	5.9 V8			M/T, Calif-ESV M/T, Calif-ESV	Left Right	250-24259 250-24259		250-24345 250-24345
2002	5.9 V8			M/T, Non Calif-ESV M/T, Non Calif-ESV	Left Right	250-24345 250-24345		•250-24259
2001	5.9 V8			A/T, Calif-ESV A/T, Calif-ESV	Left Right	250-24253 250-24253		•250-24259
2001	5.9 V8			A/T, Non Calif-ESV A/T, Non Calif-ESV	Left Right	250-24259 250-24259		•250-24259
2001	5.9 V8			M/T, Calif-ESV M/T, Calif-ESV	Left Right	250-24942 250-24942		•250-24259
2001	5.9 V8			M/T, Non Calif-ESV M/T, Non Calif-ESV	Left Right	250-24345 250-24345		•250-24259
2000-1998	5.9 V8			M/T		250-24942		250-24943
2000	5.9 V8			A/T, Calif-ESV		250-24942		250-24943
2000	5.9 V8			A/T, Non Calif-ESV		250-24943		250-24943
1999-1997	5.9 V8			A/T		250-24943		250-24943
1996	5.9 V8			A/T		250-24942		250-24943
1996	5.9 V8			M/T		250-24943		250-24943
1995	5.9 V8			12" Lead		250-24004		
1995	5.9 V8			18" Lead		250-24002		
1994	5.9 V8					250-24002		
2006-2004	8.3 V10				Left Right	250-24253 250-24460		250-24259 250-24345
Ram 1500 Van								
2003-2001	3.9 V6	X				250-24345		250-24259
2000-1999	3.9 V6	X				250-24942		250-24943
2003-2001	5.2 V8	Y				250-24345		250-24259
2000-1999	5.2 V8	Y				250-24942		250-24943
2003	5.9 V8	Z				250-24345		250-24259
2002-2001	5.9 V8	Z		Calif-ESV Calif-ESV	Left Right	250-24253 250-24253		•250-24345
2002-2001	5.9 V8	Z		Non Calif-ESV		250-24345		250-24259
2000-1999	5.9 V8	Z				250-24942		250-24943
Ram 2500								
1996	5.2 V8					250-24942		250-24943
1995-1994	5.2 V8	T, Y				250-24002		250-24004
2010-2007	5.7 V8	D, T			Left Right	250-24253 250-24253		250-24460 250-24460
2006	5.7 V8	D			Left Right	250-24680 250-24680		250-24460 250-24460
2005	5.7 V8	D			Left Right	250-24680 250-24680		250-24253 250-24253
2004	5.7 V8	D			Left Right	250-24253 250-24253		250-24259 250-24259
2003	5.7 V8	D			Left Right	250-24253 250-24253		250-24345 250-24345
2002	5.9 V8	Z		A/T Calif-ESV		250-24253		250-24259
2002	5.9 V8	Z		A/T Non Calif-ESV		250-24259		250-24259
2002	5.9 V8	Z		M/T		250-24345		250-24259
2001	5.9 V8	Z		A/T, Calif-ESV A/T, Calif-ESV	Left Right	250-24253 250-24253		•250-24259
2001	5.9 V8	Z		A/T, Non Calif-ESV A/T, Non Calif-ESV	Left Right	250-24259 250-24259		•250-24259
2001	5.9 V8	Z		M/T, Calif-ESV M/T, Calif-ESV	Left Right	250-24942 250-24942		•250-24259
2001	5.9 V8	Z		M/T, Non Calif-ESV M/T, Non Calif-ESV	Left Right	250-24345 250-24345		•250-24259
2000-1997	5.9 V8	Z		M/T		250-24942		250-24943
2000	5.9 V8	Z		A/T, Calif-ESV		250-24942		250-24943
2000	5.9 V8	Z		A/T, Non Calif-ESV		250-24943		250-24943
1999-1997	5.9 V8	Z		A/T		250-24943		250-24943
1996	5.9 V8					250-24943		250-24943
1995	5.9 V8	5, Z				250-24002		250-24004
1994	5.9 V8	Z				250-24002		
2010-2007	6.7 L6	A, L		Diesel		250-25034		250-25034

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Ram 2500 (cont'd)								
2003	8.0 V10	W			Left Right	250-24460 250-24253		250-24345 250-24345
2002	8.0 V10	W			Left Right	250-24259 250-24259		•250-24259
2001	8.0 V10	W		From 2/21/2000 From 2/21/2000	Left Right	250-24259 250-24259		•250-24259
2001	8.0 V10	W		To 2/21/2000 To 2/21/2000	Left Right	250-24259 250-24259		•250-24943
2000-1998	8.0 V10	W			Left Right	250-24943 250-24943		•250-24943
1997	8.0 V10	W				250-24943		250-24943
1996	8.0 V10	W			Left Right	250-24942 250-24943		•250-24943
1995-1994	8.0 V10	W				250-24004		
Ram 2500 Van								
2001	3.9 V6	X				250-24345		250-24259
2003-2001	5.2 V8	T, Y				250-24345		250-24259
2000-1999	5.2 V8	Z, T, Y				250-24942		250-24943
2003	5.9 V8	Z				250-24345		250-24259
2002-2001	5.9 V8	Z		Calif-ESV Calif-ESV	Left Right	250-24253 250-24253		•250-24345
2002-2001	5.9 V8	Z		Non Calif-ESV		250-24345		250-24259
2000-1999	5.9 V8	Z				250-24942		250-24943
Ram 3500								
2009-2007	5.7 V8	D, T			Left Right	250-24253 250-24253		250-24460 250-24460
2006	5.7 V8	D			Left Right	250-24680 250-24680		250-24460 250-24460
2005	5.7 V8	D			Left Right	250-24680 250-24680		250-24253 250-24253
2004	5.7 V8	D			Left Right	250-24253 250-24253		250-24259 250-24259
2003	5.7 V8	D			Left Right	250-24253 250-24253		250-24345 250-24345
2002	5.9 V8			A/T, Calif-ESV A/T, Calif-ESV	Left Right	250-24253 250-24253		250-24259 250-24259
2002	5.9 V8			A/T, Non Calif-ESV		250-24259		250-24259
2002	5.9 V8			M/T		250-24345		250-24259
2001	5.9 V8	Z		A/T, Calif-ESV A/T, Calif-ESV	Left Right	250-24253 250-24253		•250-24259
2001	5.9 V8	Z		A/T, Non Calif-ESV A/T, Non Calif-ESV	Left Right	250-24259 250-24259		•250-24259
2001	5.9 V8	5		A/T A/T	Left Right	250-24942 250-24943		•250-24943
2001	5.9 V8	5		M/T, 2WD M/T, 2WD	Left Right	250-24942 250-24942		•250-24943
2001	5.9 V8	5		M/T, 4WD M/T, 4WD	Left Right	250-24943 250-24943		•250-24943
2001	5.9 V8	Z		M/T, Calif-ESV M/T, Calif-ESV	Left Right	250-24942 250-24942		•250-24259
2001	5.9 V8	Z		M/T, Non Calif-ESV M/T, Non Calif-ESV	Left Right	250-24345 250-24345		•250-24259
2000	5.9 V8	Z			Left Right	250-24942 250-24942		•250-24943
2000	5.9 V8	5		Heavy Duty Emissions Heavy Duty Emissions	Left Right	250-24942 250-24943		•250-24943
1999-1996	5.9 V8	5, Z				250-24943		250-24943
1995	5.9 V8	5				250-24943		250-24004
1994	5.9 V8	5				250-24002		
2010-2007	6.7 L6	A, L		Diesel		250-25034		250-25034
2003	8.0 V10	W			Left Right	250-24460 250-24253		250-24345 250-24345
2002	8.0 V10	W			Left Right	250-24259 250-24259		•250-24259
2001	8.0 V10	W		From 02/21/01 From 02/21/01	Left Right	250-24259 250-24259		•250-24259
2001	8.0 V10	W		To 02/21/01 To 02/21/01	Left Right	250-24259 250-24259		•250-24943

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Ram 3500 (cont'd)								
2000	8.0 V10	W			Left Right	250-24943 250-24943		•250-24943
1999	8.0 V10	W		Calif-ESV Calif-ESV	Left Right	250-24943 250-24943		•250-24943
1999	8.0 V10	W		Non Calif-ESV Non Calif-ESV	Left Right	250-24942 250-24942		•250-24943
1998	8.0 V10	W			Left Right	250-24943 250-24943		•250-24943
1997	8.0 V10	W			Left Right	250-24943 250-24942		•250-24943
1996	8.0 V10	W			Left Right	250-24942 250-24943		•250-24943
1995-1994	8.0 V10	W				250-24004		
Ram 3500 Van								
2003-2001	5.2 V8	T, Y				250-24345		250-24259
2000-1999	5.2 V8	2, T, Y				250-24942		250-24943
2003	5.9 V8	Z				250-24345		250-24259
2002-2001	5.9 V8	Z		Calif-ESV Calif-ESV	Left Right	250-24253 250-24253		•250-24345
2002-2001	5.9 V8	Z		Non Calif-ESV		250-24345		250-24259
2000	5.9 V8	Z				250-24942		250-24943
1999	5.9 V8	Z			Left Right	250-24942 250-24943		•250-24943
Ramcharger								
1980	3.7 L6					250-21002		
1993-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1980	5.2 V8					250-21002		
1993-1988	5.9 V8					250-24004		
1987-1984	5.9 V8					250-21002		
1981-1980	5.9 V8					250-21002		
Rampage								
1984-1982	2.2 L4	B, C				250-21002		
Shadow								
1994-1989	2.2 L4					250-24004		
1988-1987	2.2 L4					250-23003		
1994-1989	2.5 L4					250-24004		
1988	2.5 L4					250-23003		
1994-1992	3.0 V6					250-24004		
Spirit								
1992-1991	2.2 L4					250-24004		
1995-1989	2.5 L4					250-24004		
1995-1989	3.0 V6					250-24004		
Sprinter 2500								
2006-2003	2.7 L5	2, 4		Diesel		250-25045		
2009-2007	3.0 V6	5	EXM	Diesel		250-25045		
2008-2007	3.5 V6	6			Left Right	250-25045 250-25043		250-24752 250-24752
Sprinter 3500								
2006-2003	2.7 L5	2, 4		Diesel		250-25045		
2009-2007	3.0 V6	5	EXM	Diesel		250-25045		
2008-2007	3.5 V6	6			Left Right	250-25045 250-25043		250-24752 250-24752
St. Regis								
1981-1980	3.7 L6					250-21002		
1981-1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
Stealth								
1996-1995	3.0 V6			Turbo Turbo	Front Rear	250-24630 250-24236		250-24630 250-24241
1996	3.0 V6			Non Turbo Non Turbo	Front Rear	250-24235 250-24236		250-24630 250-24241

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
Stealth (cont'd)								
1995	3.0 V6			Non Turbo, Calif-ESV Non Turbo, Calif-ESV	Front Rear	250-24235 250-24236		250-24630 250-24241
1995	3.0 V6			Non Turbo, Non Calif-ESV Non Turbo, Non Calif-ESV	Front Rear	250-24231 250-24231		
1994	3.0 V6			Calif-ESV , Optional Calif-ESV , Optional	Front Rear	250-24231 250-24026		
1994	3.0 V6			Calif-ESV , Standard Calif-ESV , Standard	Front Rear	250-24231 250-24235		
1994	3.0 V6			Non Calif-ESV Non Calif-ESV	Front Rear	250-24231 250-24231		
1994	3.0 V6			Turbo Turbo	Front Rear	250-24630 250-24236		
1993-1991	3.0 V6			Non Turbo		250-24231		
1993-1991	3.0 V6			Turbo Turbo	Front Rear	250-24236 250-24630		
Stratus								
2000-1999	2.0 L4					250-24942		250-24943
1998-1997	2.0 L4					250-24942		250-24074
1996-1995	2.0 L4					250-24004		250-24002
2006	2.4 L4					250-24460		250-24253
2005	2.4 L4			DOHC SOHC		250-24460 250-24243		250-24253 250-24243
2005	2.4 L4			DOHC, w/ Next Gen. Eng. Controller		250-24460		250-24253
2004	2.4 L4			DOHC, w/o Next Gen. Eng. Controller		250-24265		250-24942
2004	2.4 L4			SOHC		250-24633		250-24243
2003-2001	2.4 L4	G				250-24633		250-24243
2003-2001	2.4 L4	X				250-24265		250-24942
2000-1998	2.4 L4					250-24942		250-24943
1997	2.4 L4					250-24942		250-24074
1996-1995	2.4 L4					250-24004		250-24002
2000-1999	2.5 V6					250-24943		250-24943
1998-1997	2.5 V6					250-24943		250-24074
1996	2.5 V6					250-24002		250-24002
1995	2.5 V6					250-24004		250-24002
2006-2005	2.7 V6	R, T	EER		Front Rear	250-24253 250-24253		250-24253 250-24253
2004	2.7 V6	R	EER	w/ Next Gen. Eng. Controller w/ Next Gen. Eng. Controller	Front Rear	250-24253 250-24253		250-24253 250-24253
2004	2.7 V6	R, T	EER	w/o Next Gen. Eng. Controller w/o Next Gen. Eng. Controller	Front Rear	250-24942 250-24942		250-24942 250-24942
2003-2001	2.7 V6	R, T, U	EER		Front Rear	250-24942 250-24942		250-24942 250-24942
2005-2001	3.0 V6				Front Rear	250-24233 250-24233		250-24241 250-24241
Viper								
2002-1996	8.0 V10	E			Left Right	250-24943 250-24943		250-24943 250-24943
1995-1992	8.0 V10	E			Left Right	250-24002 250-24002		
2006-2003	8.3 V10	Z			Left Right	250-24460 250-24460		250-24259 250-24259
2010-2008	8.4 V10	Z			Left Right	250-24460 250-24460		250-24460 250-24460
W100								
1987-1986	3.7 L6					250-21002		
1989	3.9 V6					250-24013		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1986	5.2 V8					250-21002		
1988	5.9 V8					250-24004		
1987-1986	5.9 V8					250-21002		
W150								
1987-1980	3.7 L6					250-21002		
1993-1990	3.9 V6					250-24002		
1989	3.9 V6					250-24013		
1993-1990	5.2 V8					250-24002		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
DODGE (cont'd)								
W150 (cont'd)								
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1980	5.2 V8					250-21002		
1993	5.9 V8					250-24004		
1991-1988	5.9 V8					250-24004		
1987-1984	5.9 V8					250-21002		
1981-1980	5.9 V8					250-21002		
W200								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
W250								
1993-1990	5.2 V8					250-24002		
1989	5.2 V8					250-24004		
1988	5.2 V8					250-23003		
1987-1981	5.2 V8					250-21002		
1993-1988	5.9 V8					250-24004		
1987-1984	5.9 V8					250-21002		
1982-1981	5.9 V8					250-21002		
W300								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
W350								
1983-1982	5.2 V8					250-21002		
1993-1988	5.9 V8					250-24004		
1987-1981	5.9 V8					250-21002		
EAGLE								
Medallion								
1989-1988	2.2 L4	F				250-21011		
Premier								
1989-1988	2.5 L4	H, Z				250-23501		
1992-1991	3.0 V6	U	Z7X-711, Z7X-715			250-24013		
1990-1988	3.0 V6	J, U	Z7X-711			250-23501		
Summit								
1996-1995	1.5 L4	A				250-24633	250-24020	250-24472
1994-1993	1.5 L4	A		Calif-ESV		250-24020		250-24472
1994-1993	1.5 L4	A		Non Calif-ESV		250-22066		
1992	1.5 L4	A				250-22066		
1991-1990	1.5 L4	A, X		M/T		250-22002		
1991	1.5 L4	A		A/T		250-22066		
1990	1.5 L4	X		A/T, Calif-ESV		250-22002		
1990	1.5 L4	X		A/T, Non Calif-ESV		250-21007		
1989	1.5 L4	X		Calif-ESV		250-22002		
1989	1.5 L4	X		Non Calif-ESV		250-21007		
1990	1.6 L4	Y		Calif-ESV		250-22002		
1990	1.6 L4	Y		Non Calif-ESV		250-21007		
1989	1.6 L4	Y				250-24007		
1996-1995	1.8 L4	C		Exc.Wagon		250-24235	250-24229	250-24232
1996-1995	1.8 L4	C		Wagon, Calif-ESV		250-24235	250-24228	250-24224
1996-1995	1.8 L4	C		Wagon, Non Calif-ESV		250-24235	250-24229	250-24224
1994	1.8 L4	C		Calif-ESV		250-24232		250-24229
1994	1.8 L4	C		Non Calif-ESV		250-22066		
1993	1.8 L4	C		Calif-ESV, 2WD		250-24232		250-24229
1993	1.8 L4	C		Calif-ESV, 4WD		250-24229		250-24224
1993	1.8 L4	C		Non Calif-ESV, 4WD		250-22066		
1993	1.8 L4	C		Non Calif-ESV, FWD		250-22066		
1992	1.8 L4	D				250-22066		
1996-1995	2.4 L4	G		AWD		250-24235	250-24229	250-24224
1996-1995	2.4 L4	G		FWD		250-24235	250-24228	250-24224
1994	2.4 L4	G		2WD		250-24228		250-24224
1994	2.4 L4	G		4WD		250-24229		250-24224
1993	2.4 L4	G		Calif-ESV, 2WD		250-24228		250-24231
1993	2.4 L4	G		Calif-ESV, 4WD		250-24229		250-24224

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
EAGLE (cont'd)								
Summit (cont'd)								
1993	2.4 L4	G		Non Calif-ESV, 4WD		250-22066		
1993	2.4 L4	G		Non Calif-ESV, FWD		250-22066		
1992	2.4 L4	W				250-22066		
Talon								
1994-1993	1.8 L4	B				250-22002		
1998-1997	2.0 L4	Y	ECF			250-24076		250-24083
1998-1995	2.0 L4	F	EBG	AWD		250-24026		250-24231
1998-1995	2.0 L4	F	EBG	FWD		250-24026		250-24224
1996-1995	2.0 L4	Y	ECF			250-24003		250-24083
1994-1990	2.0 L4	E, F, R, U	EBG			250-24007		
Vision								
1997-1996	3.3 V6	T			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1993	3.3 V6	T				250-24004		
1997-1996	3.5 V6	F			Front Rear	250-24942 250-24942		250-24002 250-24003
1995-1993	3.5 V6	F				250-24004		
FERRARI								
328 GTS								
1989-1986	3.2 V8	X				250-23028		
348 GTB								
1994-1993	3.4 V8	R				250-24820		
348 TB								
1992-1990	3.4 V8	F, R				250-24820		
456 GT								
1995	5.5 V12	S				250-24144		
512 M								
1995	4.9 H12	V				250-24104		
F355 Berlinetta								
1996-1995	3.5 V8	P, X				250-24144		
F355 GTS								
1997-1995	3.5 V8	P, X				250-24144		
F355 Spider								
1997-1996	3.5 V8	X				250-24144		
Mondial 3.2								
1988	3.2 V8	X				250-23028		
Mondial t								
1993-1992	3.4 V8	R				250-24820		
1990	3.4 V8	F				250-24820		
FIAT								
500								
2014-2012	1.4 L4		EAB			250-25017		250-241045
500L								
2014	1.4 L4					250-25017		250-241003
500X								
2016	1.4 L4	H	EAM			250-25058		250-241003
2016	2.4 L4	T	ED6			250-25128		250-24680
FORD								
Aerostar								
1987	2.3 L4	A				250-23002		
1986	2.3 L4	A				250-23001		
1986	2.8 V6	S				250-21003		
1997-1996	3.0 V6	U				250-24001		250-24127
1995-1992	3.0 V6	U				250-24001		
1991-1986	3.0 V6	U				250-23002		
1997-1996	4.0 V6	X				250-24001		250-24127
1995-1990	4.0 V6	X				250-24127		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Aspire								
1997-1996	1.3 L4	H				250-21026		250-24072
1995-1994	1.3 L4	H				250-21026		
Bronco								
1992-1990	4.9 L6	Y				250-24127		
1989-1987	4.9 L6	Y				250-23007		
1986-1984	4.9 L6	Y				250-21004		
1983-1982	4.9 L6	E, Y				250-21003		
1996	5.0 V8	N			Left Right	250-24001 250-24001		•250-24127
1995-1991	5.0 V8	N				250-24001		
1990	5.0 V8	N		3 Wire Sensor		250-23002		
1990	5.0 V8	N		4 Wire Sensor		250-24001		
1989-1987	5.0 V8	N				250-23007		
1986-1985	5.0 V8	N				250-21004		
1984	5.0 V8	F				250-21003		
1983	5.0 V8	F		Calif-ESV		250-21003		
1982-1981	5.0 V8	F				250-21003		
1996	5.8 V8	H			Left Right	250-24001 250-24001		•250-24127
1995-1990	5.8 V8	H				250-24001		
1989-1988	5.8 V8	H				250-23007		
1985-1984	5.8 V8	G, H				250-21003		
1983	5.8 V8	G		Calif-ESV		250-21003		
1982-1981	5.8 V8	G				250-21003		
Bronco II								
1985-1984	2.8 V6	S				250-21003		
1990	2.9 V6	T		3 Wire Sensor, 10.75"		250-23002		
1990	2.9 V6	T		3 Wire Sensor, 19.00"		250-23007		
1990	2.9 V6	T		4 Wire Sensor		250-24127		
1989	2.9 V6	T				250-23007		
1988-1987	2.9 V6	T				250-23002		
1986	2.9 V6	T				250-23001		
C-Max								
2018-2013	2.0 L4	U				250-25049		250-241059
Contour								
2000	2.0 L4	3, Z				250-24302		250-24001
1999-1996	2.0 L4	3, Z				250-24016		250-24001
1995	2.0 L4	3				250-24016		
2000-1999	2.5 V6	L			Front Rear	250-24302 250-24302		250-24001 250-24001
1999-1996	2.5 V6	G, L			Front Rear	250-24015 250-24015		250-24001 250-24001
1995	2.5 V6	L			Front Rear	250-24015 250-24015		250-24001
Country Squire								
1991-1987	5.0 V8	F				250-23002		
Crown Victoria								
2011-1999	4.6 V8	9, V, W			Left Right	250-24302 250-24302		250-24001 250-24001
1999-1998	4.6 V8	9, W			Left Right	250-24749 250-24749		250-24001 250-24001
1997-1996	4.6 V8	6, 9, W			Left Right	250-24001 250-24001		250-24001 250-24001
1995-1992	4.6 V8	W			Left Right	250-24001 250-24001		
E-100 Econoline								
1983-1981	4.9 L6	E, Y				250-21003		
1983-1981	5.0 V8	F				250-21003		
1983	5.8 V8	G				250-21003		
E-100 Econoline Club Wagon								
1983-1981	4.9 L6	E, Y				250-21003		
1983-1981	5.0 V8	F				250-21003		
1983	5.8 V8	G				250-21003		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
E-150								
2003	4.2 V6	2			Left Right	250-24749 250-24749		250-24001 250-24001
2014-2009	4.6 V8	W			Left Right	250-25049 250-25049		250-24001 250-24001
2008-2006	4.6 V8	W			Left Right	250-24301 250-24301		250-24001 250-24001
2005-2003	4.6 V8	W			Left Right	250-24302 250-24302		250-24001 250-24001
2014-2009	5.4 V8	L			Left Right	250-25049 250-25049		250-24001 250-24001
2008-2005	5.4 V8	L			Left Right	250-24301 250-24301		250-24001 250-24001
2004	5.4 V8	L			Left Right	250-24302 250-24302		250-24001 250-24001
2003	5.4 V8	L			Left Right	250-24301 250-24301		250-24001 250-24001
E-150 Club Wagon								
2003	4.2 V6				Left Right	250-24749 250-24749		250-24001 250-24001
2005	4.6 V8				Left Right	250-24301 250-24301		250-24001 250-24001
2004-2003	4.6 V8				Left Right	250-24302 250-24302		250-24001 250-24001
2005	5.4 V8				Left Right	250-24301 250-24301		250-24001 250-24001
2004-2003	5.4 V8				Left Right	250-24302 250-24302		250-24001 250-24001
E-150 Econoline								
2002	4.2 V6	2			Left Right	250-24749 250-24749		250-24001 250-24001
2001-2000	4.2 V6	2		Non Calif-ESV Non Calif-ESV	Left Right	250-24001 250-24001		250-24001 250-24001
2001-1999	4.2 V6	2		Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
1999	4.2 V6	2		Non Calif-ESV Non Calif-ESV	Left Right	250-24001 250-24001		●250-24001
1998-1997	4.2 V6	2			Left Right	250-24001 250-24001		250-24001 250-24001
2002-2000	4.6 V8	W			Left Right	250-24749 250-24749		250-24001 250-24001
1999-1997	4.6 V8	6, W			Left Right	250-24001 250-24001		250-24001 250-24001
1996	4.9 L6	Y			Cyl 1-3 Cyl 4-6	250-24001 250-24001		250-24001 250-24001
1995-1991	4.9 L6	Y				250-24001		
1990	4.9 L6	Y				250-24127		
1989-1987	4.9 L6	Y				250-23002		
1986-1984	4.9 L6	Y				250-21004		
1983-1981	4.9 L6	E, Y				250-21003		
1996	5.0 V8	N			Left Right	250-24001 250-24001		●250-24127
1995-1991	5.0 V8	N				250-24001		
1990	5.0 V8	N		3 Wire Sensor		250-23002		
1990	5.0 V8	N		4 Wire Sensor		250-24001		
1989-1987	5.0 V8	N				250-23002		
1986	5.0 V8	N				250-23001		
1985-1981	5.0 V8	F				250-21003		
2002-2000	5.4 V8	L			Left Right	250-24302 250-24302		250-24001 250-24001
1999-1997	5.4 V8	L, Z			Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8	H			Left Right	250-24001 250-24001		●250-24127
1995-1994	5.8 V8	H			Left Right	250-24001 250-24001		
1993-1990	5.8 V8	H				250-24001		
1989-1988	5.8 V8	H				250-23002		
1985-1984	5.8 V8	G, H				250-21004		
1983-1981	5.8 V8	G				250-21003		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
E-150 Econoline Club Wagon								
2002	4.2 V6				Left Right	250-24749 250-24749		250-24001 250-24001
2001-2000	4.2 V6			Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
2001-2000	4.2 V6			Exc.Calif-ESV Exc.Calif-ESV	Left Right	250-24001 250-24001		250-24001 250-24001
1999	4.2 V6			Calif-ESV		250-24749		250-24001
1999	4.2 V6			Exc.Calif-ESV		250-24001		250-24001
1998-1997	4.2 V6					250-24001		250-24001
2002-2000	4.6 V8				Left Right	250-24749 250-24749		250-24001 250-24001
1999-1998	4.6 V8				Left Right	250-24001 250-24001		250-24001 250-24001
1997	4.6 V8					250-24001		250-24001
1996	4.9 L6					250-24001		250-24127
1995-1991	4.9 L6	Y				250-24001		
1990	4.9 L6	Y				250-24127		
1989-1987	4.9 L6					250-23002		
1986-1984	4.9 L6	Y				250-21004		
1983-1981	4.9 L6	E, Y				250-21003		
1996	5.0 V8				Left Right	250-24001 250-24001		250-24127 250-24127
1995-1991	5.0 V8					250-24001		
1990	5.0 V8	N		3 Wire Sensor		250-23002		
1990	5.0 V8	N		4 Wire Sensor		250-24001		
1989-1987	5.0 V8					250-23002		
1986	5.0 V8	N				250-23001		
1985-1981	5.0 V8	F				250-21003		
2002-2000	5.4 V8				Left Right	250-24302 250-24302		250-24001 250-24001
1999-1997	5.4 V8				Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8					250-24001		250-24127
1995	5.8 V8			Calif-ESV Calif-ESV	Left Right	250-24001 250-24001		
1995	5.8 V8			Exc.Calif-ESV		250-24001		
1994-1990	5.8 V8	H				250-24001		
1989-1988	5.8 V8					250-23002		
1985-1984	5.8 V8	G, H				250-21004		
1983-1981	5.8 V8	G				250-21003		
E-250								
2003	4.2 V6	2			Left Right	250-24749 250-24749		250-24001 250-24001
2014-2009	4.6 V8	W			Left Right	250-25049 250-25049		250-24001 250-24001
2008-2005	4.6 V8	W			Left Right	250-24301 250-24301		250-24001 250-24001
2004-2003	4.6 V8	W			Left Right	250-24302 250-24302		250-24001 250-24001
2014-2009	5.4 V8	L			Left Right	250-25049 250-25049		250-24001 250-24001
2008-2005	5.4 V8	L, M			Left Right	250-24301 250-24301		250-24001 250-24001
2004	5.4 V8	L, M			Left	250-24302		250-24001
2004	5.4 V8	L, M			Right	250-24302		250-24001
2003	5.4 V8	L, M			Left Right	250-24302 250-24302		250-24001 250-24001
E-250 Econoline								
2002	4.2 V6	2			Left Right	250-24749 250-24749		250-24001 250-24001
2001-2000	4.2 V6	2		Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
2001-2000	4.2 V6	2		Non Calif-ESV Non Calif-ESV	Left Right	250-24001 250-24001		250-24001 250-24001
1999-1997	4.2 V6	2			Left Right	250-24001 250-24001		250-24001 250-24001
1996	4.9 L6	Y, Z				250-24001		250-24001

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
E-250 Econoline (cont'd)								
1995	4.9 L6	Z						
					Cyl 1-3 Cyl 4-6	250-24001 250-24001		
1994-1991	4.9 L6	Y				250-24001		
1990	4.9 L6	Y				250-24127		
1989-1987	4.9 L6	Y				250-23002		
1986-1984	4.9 L6	Y				250-21004		
1983-1981	4.9 L6	E, Y				250-21003		
1991-1990	5.0 V8	N		4 Wire Sensor		250-24001		
1990	5.0 V8	N		3 Wire Sensor		250-23002		
1989-1987	5.0 V8	N				250-23002		
1986	5.0 V8	N				250-23001		
1985-1984	5.0 V8	F				250-21003		
1983	5.0 V8	F		Calif-ESV		250-21003		
1982-1981	5.0 V8	F				250-21003		
2002-2000	5.4 V8	L, M				250-24302		250-24001
					Left Right	250-24302		250-24001
1999-1997	5.4 V8	L, M, Z				250-24001		250-24001
					Left Right	250-24001		250-24001
1996	5.8 V8	H				250-24001		250-24127
1995	5.8 V8	H				250-24001		
					Left Right	250-24001		
1994-1991	5.8 V8	H		GVW Over 8500LBS. GVW Over 8500LBS.		250-24127 250-24127		
					Left Right			
1994-1991	5.8 V8	H		GVW Under 8500LBS. GVW Under 8500LBS.		250-24001 250-24001		
					Left Right			
1990	5.8 V8	H		GVW Over 8500LBS.		250-24127		
1990	5.8 V8	H		GVW Under 8500LBS.		250-24001		
1989	5.8 V8	H				250-23007		
1988	5.8 V8	H		11" Lead		250-23002		
1988	5.8 V8	H		19" Lead		250-23007		
1985-1984	5.8 V8	G, H				250-21004		
1983-1981	5.8 V8	G				250-21003		
E-250 Econoline Club Wagon								
1991	4.9 L6					250-24001		
1990	4.9 L6	Y				250-24127		
1989-1987	4.9 L6					250-23002		
1986-1984	4.9 L6	9, Y				250-21004		
1983	4.9 L6	Y				250-21003		
1991-1990	5.8 V8	H				250-24127		
1989-1988	5.8 V8					250-23007		
1985-1984	5.8 V8	G, H				250-21004		
1983-1981	5.8 V8	G				250-21003		
1991-1990	7.5 V8	G		3 Wire Sensor		250-23007		
1991-1990	7.5 V8	G		4 Wire Sensor		250-24127		
1989-1988	7.5 V8	G				250-23007		
E-350 Club Wagon								
2005	5.4 V8	L, M				250-24301 250-24301		250-24001 250-24001
					Left Right			
2004-2003	5.4 V8	L, M				250-24302 250-24302		250-24001 250-24001
					Left Right			
2005	6.8 V10	S				250-24301 250-24301		250-24001 250-24001
					Left Right			
2003	6.8 V10					250-24302 250-24302		250-24001 250-24001
					Left Right			
E-350 Econoline								
1996	4.9 L6	Y				250-24001 250-24001		250-24001 250-24001
					Cyl 1-3 Cyl 4-6			
1995-1991	4.9 L6	Y				250-24001		
1990	4.9 L6	Y				250-24127		
1989-1987	4.9 L6	Y				250-23002		
2000	5.4 V8					250-24302		250-24001
					Left Right	250-24302		250-24001
1999-1997	5.4 V8	L, M, Z				250-24001		250-24001
					Left Right	250-24001		250-24001
1996	5.8 V8	H				250-24127		•250-24127
					Left Right	250-24127		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
E-350 Econoline (cont'd)								
1995	5.8 V8	H			Left Right	250-24127 250-24127		
1994-1990	5.8 V8	H				250-24127		
1989-1988	5.8 V8	H				250-23007		
1998-1997	6.8 V10	S			Left Right	250-24001 250-24001		250-24001 250-24001
1996	7.5 V8	G			Left Right	250-24001 250-24001		•250-24127
1995-1994	7.5 V8	G				250-24001		
1993	7.5 V8	G				250-24127		
1992-1990	7.5 V8	G		3 Wire Sensor		250-23007		
1992-1990	7.5 V8	G		4 Wire Sensor		250-24127		
1989-1987	7.5 V8	G				250-23007		
E-350 Econoline Club Wagon								
1996	4.9 L6	Z				250-24001		250-24127
1995-1991	4.9 L6					250-24001		
1990	4.9 L6	Y				250-24127		
1989-1987	4.9 L6					250-23002		
2002-2000	5.4 V8				Left Right	250-24302 250-24302		250-24001 250-24001
1999-1997	5.4 V8				Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8	H				250-24001		250-24127
1995	5.8 V8			Calif-ESV (Massachusetts) Calif-ESV (Massachusetts) Exc. Calif-ESV (Exc. Massachusetts)	Left Right	250-24001 250-24001		
1995	5.8 V8					250-24127		
1994-1990	5.8 V8	H				250-24127		
1989-1988	5.8 V8					250-23007		
2002-2000	6.8 V10				Left Right	250-24302 250-24302		250-24001 250-24001
1999-1998	6.8 V10				Left Right	250-24001 250-24001		250-24001 250-24001
1997	6.8 V10					250-24001		250-24001
1996	7.5 V8	G			Left Right	250-24001 250-24001		•250-24127
1995-1994	7.5 V8	G				250-24001		
1993	7.5 V8					250-24127		
1992-1990	7.5 V8	G		3 Wire Sensor		250-23007		
1992-1990	7.5 V8	G		4 Wire Sensor		250-24127		
1989-1988	7.5 V8					250-23007		
E-350 Super Duty								
2016-2009	5.4 V8	L			Left Right	250-25049 250-25049		250-24001 250-24001
2008-2005	5.4 V8	L, M			Left Right	250-24301 250-24301		250-24001 250-24001
2004-2000	5.4 V8	L, M			Left Right	250-24302 250-24302		250-24001 250-24001
1999	5.4 V8	L, M, Z			Left Right	250-24001 250-24001		250-24001 250-24001
2017	6.2 V8	6			Left Right	250-25122 250-25122		250-241182 250-241185
2017	6.8 V10	S		From 12/12/2016 From 12/12/2016	Left Right	250-25122 250-25122		250-241182 250-241182
2017	6.8 V10	S		To 12/12/2016 To 12/12/2016	Left Right	250-25119 250-25119		250-241182 250-241182
2016	6.8 V10	S			Left Right	250-25119 250-25119		250-241185 250-241185
2016	6.8 V10	S		LPG Engine LPG Engine	Left Right	250-25119 250-25119		250-241182 250-241182
2015-2013	6.8 V10	S		Ambulance Ambulance	Left Right	250-25049 250-25034		250-24070 250-24070
2015-2013	6.8 V10	S		Exc. Ambulance Exc. Ambulance	Left Right	250-25049 250-25034		250-24001 250-24001
2012	6.8 V10	S			Left Right	250-24701 250-241127		250-24001 250-24001
2011-2009	6.8 V10	S			Left Right	250-24701 250-24701		250-24001 250-24001

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
E-350 Super Duty (cont'd)								
2008-2005	6.8 V10	S			Left Right	250-24301 250-24301		250-24001 250-24001
2004-2000	6.8 V10	S			Left Right	250-24302 250-24302		250-24001 250-24001
1999	6.8 V10	S			Left Right	250-24001 250-24001		250-24001 250-24001
E-450 Super Duty								
2016-2013	5.4 V8	L			Left Right	250-25049 250-25049		250-24001 250-24001
2017	6.8 V10			From 12/12/2016 From 12/12/2016	Left Right	250-25122 250-25122		250-241182 250-241182
2017	6.8 V10			To 12/12/2016 To 12/12/2016	Left Right	250-25119 250-25119		250-241182 250-241182
2016	6.8 V10	S			Left Right	250-25119 250-25119		250-241182 250-241182
2016	6.8 V10	S		CNG Engine CNG Engine	Left Right	250-25119 250-25119		250-241185 250-241185
2015-2013	6.8 V10	S		Ambulance Ambulance	Left Right	250-25049 250-25034		250-24070 250-24070
2015-2013	6.8 V10	S		Exc.Ambulance Exc.Ambulance	Left Right	250-25049 250-25034		250-24001 250-24001
Edge								
2018-2017	2.0 L4	9				250-25025		250-241184
2016	2.0 L4	9		From 02/27/2016		250-25025		250-241184
2016	2.0 L4	9		To 02/27/2016		250-25025		250-241175
2015	2.0 L4	9				250-25025		250-241175
2014-2012	2.0 L4	9				250-25034		250-241023
2018-2015	2.7 V6	P			Front Rear	250-25025 250-25025		250-241185 250-241185
2018-2015	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2014-2011	3.5 V6	C	99C		Front Rear	250-25086 250-25086		250-24983 250-24983
2010-2007	3.5 V6	C			Front Rear	250-24301 250-24301		250-24001 250-24001
2014-2011	3.7 V6	K			Front Rear	250-25086 250-25086		250-24983 250-24983
Escape								
2016-2013	1.6 L4	X				250-25049		250-24976
2018-2017	2.0 L4	9				250-25025		250-241184
2016-2013	2.0 L4	9				250-25034		250-241023
2004-2001	2.0 L4	B				250-24302		250-24070
2008-2005	2.3 L4	H, Z				250-24301		250-24001
2016-2014	2.5 L4	7				250-25119		250-241059
2013	2.5 L4	7				250-25086		250-241059
2012-2011	2.5 L4	3		Hybrid		250-25049		250-24989
2012-2011	2.5 L4	7		XLS Model, A/T		250-25086		250-24989
2012-2011	2.5 L4	7		XLS Model, M/T		250-24999		250-24989
2012-2011	2.5 L4	7		XLT, Limited Models		250-25086		250-24989
2010-2009	2.5 L4	3		Hybrid		250-25049		250-24001
2010	2.5 L4	7				250-25086		250-24127
2009	2.5 L4	7				250-24301		250-24127
2012-2011	3.0 V6	G			Front Rear	250-25086 250-25086		250-24989 250-24989
2010	3.0 V6	G			Front Rear	250-25086 250-25086		250-24001 250-24127
2009	3.0 V6	G			Front Rear	250-24301 250-24301		250-24127 250-24127
2008-2007	3.0 V6	1			Front Rear	250-24749 250-24749		250-24127 250-24127
2006-2001	3.0 V6	1			Front Rear	250-24302 250-24749		250-24127 250-24127
Escort								
1985-1983	1.6 L4	2, 4, 5, 8				250-21003		
1996	1.8 L4	8				250-24245		250-24293
1995	1.8 L4	8				250-24245		
1994-1991	1.8 L4	8				250-21010		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Escort (cont'd)								
1996	1.9 L4	J				250-24001		250-24070
1995-1992	1.9 L4	J				250-24001		
1991-1987	1.9 L4	9, J				250-23002		
1986	1.9 L4	9, J				250-23001		
2003-2001	2.0 L4	3				250-24302		250-24070
2002-1997	2.0 L4	3, P				250-24001		250-24070
2000	2.0 L4	3				250-24749		250-24070
Excursion								
2005-2000	5.4 V8	L			Left	250-24302		250-24001
					Right	250-24302		250-24001
2005-2000	6.8 V10	S			Left	250-24302		250-24001
					Right	250-24302		250-24001
EXP								
1985-1983	1.6 L4	2, 4, 5, 8				250-21003		
1988-1987	1.9 L4	9, J				250-23002		
1986	1.9 L4	9, J				250-23001		
Expedition								
2018	3.5 V6	T			Left	250-25122		250-241185
					Right	250-25122		250-241185
2017-2015	3.5 V6	T			Left	250-25035		250-241183
					Right	250-25049		250-241183
2004-1999	4.6 V8	6, W			Left	250-24749		250-24001
					Right	250-24749		250-24001
1998-1997	4.6 V8	6, W			Left	250-24001		250-24001
					Right	250-24001		250-24001
2014-2012	5.4 V8	5			Left	250-25035		250-241052
					Right	250-25049		250-241052
2011-2009	5.4 V8	5			Left	250-25035		250-24001
					Right	250-25049		250-24001
2008-2007	5.4 V8	5			Left	250-24701		250-24001
					Right	250-24701		250-24001
2006-2005	5.4 V8	5			Left	250-241127		250-24001
					Right	250-241127		250-24001
2004-2003	5.4 V8	L			Left	250-24749		250-24001
					Right	250-24749		250-24001
2002-2001	5.4 V8	L			Left	250-241127		250-24001
					Right	250-241127		250-24001
2000-1999	5.4 V8	L			Left	250-24749		250-24001
					Right	250-24749		250-24001
1998-1997	5.4 V8	L			Left	250-24001		250-24001
					Right	250-24001		250-24001
Explorer								
2015-2012	2.0 L4	9				250-25034		250-241023
2018-2016	2.3 L4	H	99H			250-25025		250-241184
2018-2016	3.5 V6	8				250-25122		250-241185
					Front	250-25122		250-241185
2018-2013	3.5 V6	T		Turbocharged	Front	250-25049		250-24983
				Turbocharged	Rear	250-25049		250-24998
2015-2013	3.5 V6	8			Front	250-25086		250-24989
					Rear	250-25086		250-24989
2012-2011	3.5 V6	8			Front	250-25086		250-24983
					Rear	250-25086		250-24983
2010-2004	4.0 V6	E, K			Left	250-241127		250-24001
					Right	250-241127		250-24001
2005-2004	4.0 V6	E			Left	250-24701		250-24001
					Right	250-24701		250-24001
2003-2002	4.0 V6	E, K			Left	250-24749		250-24001
					Right	250-24749		250-24001
2002	4.0 V6	E		Gas	Left	250-24701		250-24001
				Gas	Right	250-24701		250-24001
2001	4.0 V6	E			Left	250-24701		250-24001
					Right	250-24701		250-24001
2000-1999	4.0 V6	X		A/T	Left	250-241127		•250-24127
				A/T	Right	250-24701		
2000-1999	4.0 V6	X		M/T	Left	250-241127		•250-24070
				M/T	Right	250-24701		
2000	4.0 V6	E			Left	250-24701		•250-24001
					Right	250-24701		

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Explorer (cont'd)								
1999	4.0 V6	E			Left Right	250-24701 250-24701		250-24001 250-24001
1998	4.0 V6	E			Left Right	250-24127 250-24001		250-24001 250-24001
1998	4.0 V6	X		A/T A/T	Left Right	250-24001 250-24001		•250-24127
1998	4.0 V6	X		M/T M/T	Left Right	250-24001 250-24001		•250-24070
1997-1996	4.0 V6	X			Left Right	250-24001 250-24001		•250-24070
1997	4.0 V6	E			Left Right	250-24070 250-24070		•250-24001
1995	4.0 V6	X			Left Right	250-24001 250-24001		
1994-1993	4.0 V6	X			Left Right	250-24127 250-24127		
1992-1991	4.0 V6	X				250-24127		
2010-2004	4.6 V8	8, W			Left Right	250-241127 250-241127		250-24001 250-24001
2003-2002	4.6 V8	W			Left Right	250-24749 250-24749		250-24001 250-24001
2001-1999	5.0 V8	P			Left Right	250-241127 250-24701		250-24001 250-24001
1998-1996	5.0 V8	P			Left Right	250-24001 250-24001		250-24001 250-24001
Explorer Sport Trac								
2010-2007	4.0 V6	E, K			Left Right	250-241127 250-241127		250-24001 250-24001
2005-2004	4.0 V6	K			Left Right	250-24701 250-24701		250-24701 250-24701
2003	4.0 V6				Left Right	250-24701 250-24701		250-24001 250-24001
2002-2001	4.0 V6	E			Left Right	250-24701 250-24701		•250-24001
2010-2007	4.6 V8	8			Left Right	250-241127 250-241127		250-24001 250-24001
F53								
2018-2016	6.8 V10	Y			Left Right	250-25119 250-25124		•250-241185
2015-2012	6.8 V10	Y			Left Right	250-25049 250-25049		•250-24001
F59								
2018-2016	6.8 V10	Y			Left Right	250-25119 250-25124		•250-241185
2016-2015	6.8 V10	Y		LPG Engine LPG Engine	Left Right	250-25119 250-25124		•250-241185
2015-2012	6.8 V10	Y			Left Right	250-25049 250-25049		•250-24001
F-100								
1983	4.9 L6	Y		Calif-ESV		250-21003		
1982-1981	4.9 L6	E				250-21003		
1983-1981	5.0 V8	F				250-21003		
F-150								
2018	2.7 V6	P			Left Right	250-25025 250-25025		250-241185 250-241185
2017-2015	2.7 V6	P			Left Right	250-25025 250-25025		250-24989 250-24989
2017-2015	3.5 V6	8		Flex Fuel Flex Fuel	Left Right	250-25119 250-25119		250-24989 250-24989
2017	3.5 V6	G			Left Right	250-25025 250-25040		250-241175 250-241175
2016-2015	3.5 V6	G			Left Right	250-25035 250-25049		250-241175 250-241175
2014-2011	3.5 V6	T			Left Right	250-25035 250-25049		250-24989 250-24989
2014-2011	3.7 V6	M, R	99M, 99R		Left Right	250-25086 250-25086		250-24989 250-24989

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
F-150 (cont'd)								
2008-2005	4.2 V6	2			Left Right	250-241127 250-241127		250-24701 250-24701
2003-2001	4.2 V6	2			Left Right	250-24749 250-24749		250-24001 250-24001
2000-1999	4.2 V6	2		Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
2000-1999	4.2 V6	2		Non Calif-ESV Non Calif-ESV	Left Right	250-24001 250-24001		250-24001 250-24001
1998-1997	4.2 V6	2			Left Right	250-24001 250-24001		250-24001 250-24001
2010-2009	4.6 V8	8		Engine Vin 8 Engine Vin 8	Left Right	250-25035 250-25049		250-24001 250-24001
2010-2009	4.6 V8	W		Engine Vin W Engine Vin W	Left Right	250-25049 250-25049		250-24001 250-24001
2008-2004	4.6 V8	W			Left Right	250-241127 250-241127		250-24701 250-24701
2003-1999	4.6 V8	6, W			Left Right	250-24749 250-24749		250-24001 250-24001
1998-1997	4.6 V8	6, W			Left Right	250-24001 250-24001		250-24001 250-24001
1996	4.9 L6	Y			Cyl 1-3 Cyl 4-6	250-24001 250-24001		•250-24127
1995	4.9 L6	Y		Non Calif-ESV		250-24127		
1994-1990	4.9 L6	Y				250-24127		
1989	4.9 L6	Y				250-23007		
1988	4.9 L6	Y				250-23002		
1987	4.9 L6	Y				250-23007		
1986-1984	4.9 L6	9, Y				250-21004		
1983-1981	4.9 L6	E, Y		Calif-ESV		250-21003		
2017-2015	5.0 V8	F			Left Right	250-25124 250-25119		250-24989 250-24989
2014-2011	5.0 V8	F			Left Right	250-25035 250-25049		250-24992 250-24992
1996	5.0 V8					250-24001		250-24127
1995-1991	5.0 V8	N				250-24001		
1990-1987	5.0 V8	N		3 Wire Sensor, 19" Lead		250-23007		
1990	5.0 V8	N		3 Wire Sensor, 11" Lead		250-23002		
1990	5.0 V8	N		4 Wire Sensor		250-24001		
1986-1985	5.0 V8	N				250-21004		
1985	5.0 V8	F				250-21003		
1984-1981	5.0 V8	F		Calif-ESV		250-21003		
2010-2009	5.4 V8	V			Left Right	250-25035 250-25049		250-24001 250-24001
2008-2004	5.4 V8	5, V			Left Right	250-241127 250-241127		250-24701 250-24701
2003-2002	5.4 V8	3, L, M, Z			Left Right	250-241127 250-241127		250-24001 250-24001
2002-2000	5.4 V8	M		CNG Vehicle CNG Vehicle	Left Right	250-24302 250-24302		250-24001 250-24001
2001	5.4 V8	3, Z		BI-Fuel/Supercharged Vehicles BI-Fuel/Supercharged Vehicles	Left Right	250-241127 250-241127		250-24001 250-24001
2001	5.4 V8	L		Trans Code 4R70 , Optional Trans Code 4R70 , Optional	Left Right	250-241127 250-241127		250-24001 250-24001
2001	5.4 V8	L		Trans Code 4R70 , Standard Trans Code 4R70 , Standard	Left Right	250-24749 250-24749		250-24001 250-24001
2001	5.4 V8	L		Trans Code 4R100 Trans Code 4R100	Left Right	250-241127 250-241127		250-24001 250-24001
2000	5.4 V8	Z		BI-Fuel Vehicle BI-Fuel Vehicle	Left Right	250-24749 250-24749		250-24001 250-24001
2000	5.4 V8	3		Lightning, Upstream OE # 5C5Z9F472AA Lightning, Upstream OE # 5C5Z9F472AA	Left Right	250-241127 250-241127		250-24001 250-24001
2000	5.4 V8	3		Lightning, Upstream OE # F88Z9F472AB Lightning, Upstream OE # F88Z9F472AB	Left Right	250-24749 250-24749		250-24001 250-24001
2000	5.4 V8	L		Trans Code 4R70 , Calif-ESV Trans Code 4R70 , Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
2000	5.4 V8	L		Trans Code 4R70 , Non Calif-ESV Trans Code 4R70 , Non Calif-ESV	Left Right	250-24001 250-24001		250-24001 250-24001
2000	5.4 V8	L		Trans Code 4R100 Trans Code 4R100	Left Right	250-24749 250-24749		250-24001 250-24001

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
F-150 (cont'd)								
1999	5.4 V8	L, Z		Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
1999	5.4 V8	3		Lightning Models Lightning Models	Left Right	250-24749 250-24749		250-24001 250-24001
1999	5.4 V8	L, Z		Non Calif-ESV Non Calif-ESV	Left Right	250-24001 250-24001		250-24001 250-24001
1998-1997	5.4 V8	L, M, Z			Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8			Non Calif-ESV		250-24001		250-24127
1995	5.8 V8	H				250-24001		
1994-1990	5.8 V8	H, R				250-24001		
1989-1988	5.8 V8	H				250-23007		
1985-1984	5.8 V8	G, H				250-21003		
1983-1981	5.8 V8	G		Calif-ESV		250-21003		
2014-2011	6.2 V8	6			Left Right	250-25035 250-25049		250-24992 250-24992
2010	6.2 V8	6			Left Right	250-25035 250-25049		250-24001 250-24001
F-150 Heritage								
2004	4.2 V6	2			Left Right	250-24749 250-24749		250-24001 250-24001
2004	4.6 V8	W			Left Right	250-24749 250-24749		250-24001 250-24001
2004	5.4 V8	M, Z			Left Right	250-241127 250-241127		250-24001 250-24001
F-250								
1999-1997	4.6 V8	6, W			Left Right	250-24001 250-24001		250-24001 250-24001
1996	4.9 L6	Y, Z			Cyl 1-3 Cyl 4-6	250-24001 250-24001		•250-24127
1995-1990	4.9 L6	Y, Z				250-24127		
1995	4.9 L6	Y		Calif-ESV Calif-ESV	Cyl 1-3 Cyl 4-6	250-24001 250-24001		
1995	4.9 L6	Y		Non Calif-ESV		250-24127		
1989-1987	4.9 L6	Y				250-23007		
1986-1984	4.9 L6	9, Y				250-21004		
1983-1982	4.9 L6	E, Y				250-21003		
1981	4.9 L6	E		Calif-ESV		250-21003		
1996	5.0 V8	N			Left Right	250-24001 250-24001		•250-24127
1995-1991	5.0 V8	N				250-24001		
1990	5.0 V8	N		3 Wire Sensor		250-23007		
1990	5.0 V8	N		4 Wire Sensor		250-24001		
1989-1987	5.0 V8	N				250-23007		
1986-1985	5.0 V8	N				250-21004		
1985-1982	5.0 V8	F				250-21003		
1981	5.0 V8	F		Calif-ESV		250-21003		
1999-1997	5.4 V8	M		CNG Engine CNG Engine	Left Right	250-24001 250-24001		•250-24001
1999	5.4 V8	L, Z		Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
1999	5.4 V8	L, Z		Non Calif-ESV Non Calif-ESV	Left Right	250-24001 250-24001		250-24001 250-24001
1998-1997	5.4 V8	L, Z			Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8	H			Left Right	250-24127 250-24127		•250-24127
1995	5.8 V8	H			Left Right	250-24127 250-24127		
1994-1990	5.8 V8	H		GWW Over 8500LBS.		250-24127		
1994-1990	5.8 V8	H		GWW Under 8500LBS.		250-24001		
1989-1988	5.8 V8	H				250-23007		
1985-1982	5.8 V8	G, H				250-21003		
1981	5.8 V8	G		Calif-ESV		250-21003		
1996	7.5 V8	G		Calif-ESV Calif-ESV	Left Right	250-24127 250-24127		•250-24127
1996	7.5 V8	G		Non Calif-ESV Non Calif-ESV	Left Right	250-24001 250-24001		•250-24127

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
F-250 (cont'd)								
1995-1994	7.5 V8	G				250-24001		
1993-1990	7.5 V8	G		4 Wire Sensor		250-24127		
1992-1990	7.5 V8	G		3 Wire Sensor		250-23007		
1989-1988	7.5 V8	G				250-23007		
F-250 Super Duty								
2010-2006	5.4 V8	5			Left Right	250-24301 250-24301		250-24001 250-24001
2005-2000	5.4 V8	5, L			Left Right	250-24302 250-24302		250-24001 250-24001
1999	5.4 V8	L			Left Right	250-24001 250-24001		250-24001 250-24001
2017	6.2 V8	6			Left Right	250-25025 250-25025		250-241185 250-241185
2016-2012	6.2 V8	6			Left Right	250-25034 250-25034		250-241052 250-241052
2011	6.2 V8	6			Left Right	250-25034 250-25034		250-24001 250-24001
2010-2006	6.8 V10	Y			Left Right	250-24301 250-24301		250-24001 250-24001
2005-2000	6.8 V10	S, Y			Left Right	250-24302 250-24302		250-24001 250-24001
1999	6.8 V10	S			Left Right	250-24001 250-24001		250-24001 250-24001
F-350								
1996	4.9 L6	Y			Cyl 1-3 Cyl 4-6	250-24001 250-24001		•250-24127
1995-1991	4.9 L6	Y				250-24127		
1990	4.9 L6	Y				250-24001		
1989-1987	4.9 L6	Y				250-23007		
1997	5.8 V8	H			Left Right	250-24001 250-24001		•250-24127
1996	5.8 V8	H		Calif-ESV Calif-ESV	Left Right	250-24001 250-24001		•250-24127
1996	5.8 V8	H		Non Calif-ESV		250-24127		250-24127
1995	5.8 V8	H		Calif-ESV Calif-ESV	Left Right	250-24127 250-24127		
1995	5.8 V8	H		Non Calif-ESV		250-24001		
1994-1990	5.8 V8	H				250-24127		
1989-1988	5.8 V8	H				250-23007		
1997-1996	7.5 V8	G			Left Right	250-24001 250-24001		•250-24127
1995-1994	7.5 V8	G				250-24001		
1993-1990	7.5 V8	G		4 Wire Sensor		250-24127		
1992-1990	7.5 V8	G		3 Wire Sensor		250-23007		
1989-1988	7.5 V8	G				250-23007		
F-350 Super Duty								
2010-2006	5.4 V8	5			Left Right	250-24301 250-24301		250-24001 250-24001
2005-2000	5.4 V8	5, L			Left Right	250-24302 250-24302		250-24001 250-24001
1999	5.4 V8	L			Left Right	250-24001 250-24001		250-24001 250-24001
2017	6.2 V8	6			Left Right	250-25025 250-25025		250-241185 250-241185
2016-2012	6.2 V8	6			Left Right	250-25034 250-25034		250-241052 250-241052
2011	6.2 V8	6			Left Right	250-25034 250-25034		250-24001 250-24001
2010-2006	6.8 V10	Y			Left Right	250-24301 250-24301		250-24001 250-24001
2005-2000	6.8 V10	S, Y			Left Right	250-24302 250-24302		250-24001 250-24001
1999	6.8 V10	S			Left Right	250-24001 250-24001		250-24001 250-24001
F-450 Super Duty								
2017	6.8 V10	Y			Left Right	250-25119 250-25124		•250-241182

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
F-450 Super Duty (cont'd)								
2016-2013	6.8 V10	Y			Left Right	250-25049 250-25049		•250-241052
F-550 Super Duty								
2017	6.8 V10				Left Right	250-25119 250-25124		•250-241182
2016-2013	6.8 V10	Y			Left Right	250-25049 250-25049		•250-241052
Fairmont								
1983-1980	2.3 L4	A				250-21003		
1981	4.2 V8	D				250-21003		
Festiva								
1993-1990	1.3 L4	H				250-21010		
1989-1988	1.3 L4	H, K				250-21019		
Fiesta								
2017-2014	1.0 L3	E				250-25035		250-241075
2017-2015	1.6 L4	J		4 Wire Upstream Sensor		250-24301		250-24301
2017-2015	1.6 L4	J		5 Wire Upstream Sensor		250-25049		250-24301
2017-2014	1.6 L4	X		Turbocharged		250-25049		250-24976
2014	1.6 L4	J		Non- Turbo, 4 Wire Upstream Sensor		250-24301		250-24301
2014	1.6 L4	J		Non- Turbo, 5 Wire Upstream Sensor		250-25049		250-24301
2013-2011	1.6 L4	J				250-24301		250-24301
Five Hundred								
2007-2005	3.0 V6	1			Front Rear	250-24302 250-24749		250-24001 250-24001
Flex								
2018-2016	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2018-2011	3.5 V6	T		Turbocharged	Front	250-25049		250-24983
				Turbocharged	Rear	250-25049		250-24998
2015-2013	3.5 V6	8			Front Rear	250-25086 250-25086		250-24989 250-24989
2012-2011	3.5 V6	C		Naturally Aspirated	Front	250-25034		250-24983
				Naturally Aspirated	Rear	250-25034		250-24983
2010-2009	3.5 V6	C			Front Rear	250-25034 250-25034		250-24001 250-24001
2010	3.5 V6	T			Front Rear	250-25049 250-25049		250-24001 250-24127
Focus								
2017-2015	1.0 L3	E		Turbocharged		250-25040		250-241184
2018-2013	2.0 L4	9		Turbocharged		250-25034		250-241023
2018-2012	2.0 L4	2				250-25049		250-241023
2011-2008	2.0 L4	N				250-24776		250-24651
2007-2005	2.0 L4	N				250-24678	250-24651	250-24656
2004-2000	2.0 L4	3, 5, P				250-24302		250-24001
2002-2000	2.0 L4	3				250-24302		250-24070
2018-2016	2.3 L4	H	99H	Turbocharged		250-25025		250-241184
2007-2003	2.3 L4	Z				250-24678	250-24651	250-24656
Freestar								
2007-2004	3.9 V6	6			Front Rear	250-241127 250-241127		250-24001 250-24001
2007-2004	4.2 V6	2			Front Rear	250-241127 250-241127		250-24001 250-24001
Freestyle								
2007-2005	3.0 V6	1			Front Rear	250-24302 250-24749		250-24001 250-24001
Fusion								
2018-2017	1.5 L4	D				250-25025		250-241184
2016-2014	1.5 L4	D				250-25025		250-241175
2014-2013	1.6 L4	R				250-25049		250-241023
2018-2017	2.0 L4	9		Turbocharged		250-25025		250-241184
2018	2.0 L4	U		Hybrid		250-25025		250-241184
2017-2013	2.0 L4	U		Hybrid		250-25049		250-241059
2016-2013	2.0 L4	9	-	Turbocharged		250-25034		250-241023

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Fusion (cont'd)								
2009-2008	2.3 L4	Z		Calif-ESV		250-24301	250-24001	250-24001
2009	2.3 L4	Z				250-24301		250-24001
2008	2.3 L4	Z		Non Calif-ESV		250-24301		250-24001
2007	2.3 L4	Z				250-24301	250-24001	250-24001
2006	2.3 L4	Z		Calif-ESV		250-24301	250-24001	250-24001
2006	2.3 L4	Z		Non Calif-ESV		250-24301		250-24001
2016-2014	2.5 L4	7				250-25119		250-241059
2013	2.5 L4	7				250-25103		250-241059
2012-2011	2.5 L4	A		A/T		250-25086		250-24989
2012-2011	2.5 L4	3		Hybrid		250-25049		250-24989
2012-2011	2.5 L4	A		M/T		250-25049		250-24999
2010	2.5 L4	A		A/T		250-25086		250-24127
2010	2.5 L4	3		Hybrid		250-25049		250-24001
2010	2.5 L4	A		M/T		250-24301		250-24127
2018-2017	2.7 V6	P			Front Rear	250-25025 250-25025		250-241185 250-241185
2012-2011	3.0 V6	G			Front Rear	250-25086 250-25086		250-24989 250-24983
2010	3.0 V6	G		From 08/03/2009 From 08/03/2009	Front Rear	250-25086 250-25086		250-24001 250-24001
2010	3.0 V6	G		To 08/03/2009 To 08/03/2009	Front Rear	250-25060 250-25060		250-24001 250-24001
2009-2008	3.0 V6	1		AWD AWD	Front Rear	250-24301 250-24301		250-24001 250-24001
2009-2008	3.0 V6	1		FWD FWD	Front Rear	250-24301 250-24301		250-24001 250-24127
2007	3.0 V6	1			Front Rear	250-24301 250-24301		250-24001 250-24127
2006	3.0 V6	1			Front Rear	250-24301 250-24301		250-24001 250-24001
2012-2011	3.5 V6	C			Front Rear	250-24999 250-24999		250-24983 250-24983
2010	3.5 V6	C		From 08/03/2009 From 08/03/2009	Front Rear	250-25086 250-25086		250-24001 250-24127
2010	3.5 V6	C		To 08/03/2009 To 08/03/2009	Front Rear	250-25060 250-25060		250-24001 250-24127
Granada								
1982-1981	2.3 L4	A				250-21003		
1982	3.8 V6	3		Calif-ESV		250-21003		
1981	4.2 V8	D				250-21003		
GT								
2006-2005	5.4 V8	S			Left Right	250-24302 250-24302		250-24001 250-24001
LTD								
1986-1983	2.3 L4	6, A				250-21003		
1986-1984	3.8 V6	3				250-21003		
1982-1981	4.2 V8	D				250-21003		
1986	5.0 V8	F				250-23001		
1985-1980	5.0 V8	F, M				250-21003		
1986-1980	5.8 V8	G				250-21003		
LTD Crown Victoria								
1991-1987	5.0 V8	F				250-23002		
1991-1987	5.8 V8					250-21003		
Mustang								
2018	2.3 L4	H	99H			250-25025		250-241199
2017-2015	2.3 L4	H	99H			250-25025		250-241175
1993-1991	2.3 L4	M				250-24001		
1990	2.3 L4	A		Calif-ESV		250-24001		
1990	2.3 L4	A		Non Calif-ESV		250-23002		
1989-1987	2.3 L4	A				250-23002		
1986-1984	2.3 L4	T, W				250-23001		
1986-1980	2.3 L4	A, W				250-21003		
2017-2015	3.7 V6	M	99M		Left Right	250-25122 250-25122		250-24989 250-24989

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Mustang (cont'd)								
2014-2011	3.7 V6	-, M	99M		Left Right	250-25086 250-25086		250-24989 250-24989
2004-1999	3.8 V6	4			Left Right	250-24749 250-24749		250-24001 250-24001
1998-1996	3.8 V6	4				250-24001		250-24001
1995	3.8 V6	4			Left Right	250-24001 250-24001		250-24001 250-24001
1994	3.8 V6	4			Left Right	250-24001 250-24001		
1986-1984	3.8 V6	3				250-21003		
2004	3.9 V6	6			Left Right	250-24749 250-24749		250-24001 250-24001
2010-2005	4.0 V6	N			Left Right	250-24749 250-24749		250-24001 250-24001
1982-1981	4.2 V8	D				250-21003		
2010-1999	4.6 V8	H, R, V, X, Y			Left Right	250-24749 250-24749		250-24001 250-24001
1998-1996	4.6 V8	V, X			Left Right	250-24001 250-24001		250-24001 250-24001
2017-2015	5.0 V8	F	99F	A/T A/T	Left Right	250-25124 250-25119		250-241182 250-241182
2017-2015	5.0 V8	F	99F	M/T M/T	Left Right	250-25124 250-25119		250-241185 250-241185
2014-2011	5.0 V8	F, U	99F, 99U		Left Right	250-25049 250-25049		250-24989 250-24989
1995	5.0 V8	D, T			Left Right	250-24001 250-24001		250-24001 250-24001
1994	5.0 V8	D, T			Left Right	250-24001 250-24001		
1993-1991	5.0 V8	D, E			Left Right	250-23002 250-23002		
1990-1987	5.0 V8	E				250-23002		
1986-1985	5.0 V8	F, M				250-23001		
1984	5.0 V8	F, M				250-21003		
2018-2015	5.2 V8	Z	99Z		Left Right	250-25119 250-25119		250-24989 250-24989
2012-2011	5.4 V8	S			Left Right	250-25034 250-25034		250-24989 250-24989
2010-2007	5.4 V8	S			Left Right	250-24749 250-24749		250-24001 250-24001
2014-2013	5.8 V8	Z	99Z		Left Right	250-25034 250-25034		250-24989 250-24989
1995	5.8 V8	C			Left Right	250-24001 250-24001		250-24001 250-24001
Pinto								
1980	2.3 L4	A				250-21003		
Police Interceptor Sedan								
2018-2016	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2018	3.5 V6	T		Turbocharged Turbocharged	Front Rear	250-25122 250-25122		250-241185 250-241185
2017-2013	3.5 V6	T		Turbocharged Turbocharged	Front Rear	250-25049 250-25049		250-24983 250-24998
2015-2013	3.5 V6	8			Front Rear	250-25086 250-25086		250-24989 250-24989
2018-2017	3.7 V6	K	99K		Front Rear	250-25122 250-25122		250-241185 250-241185
2016	3.7 V6	K	99K	From 12/07/2015 From 12/07/2015	Front Rear	250-25122 250-25122		250-241185 250-241185
2016	3.7 V6	K	99K	To 12/07/2015 To 12/07/2015	Front Rear	250-25086 250-25086		250-24989 250-24989
2015-2013	3.7 V6	K	99K		Front Rear	250-25086 250-25086		250-24989 250-24989
Police Interceptor Utility								
2018-2014	3.5 V6	T			Front Rear	250-25049 250-25049		250-24983 250-24998
2018-2016	3.7 V6	R	99R		Front Rear	250-25122 250-25122		250-241185 250-241185

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Police Interceptor Utility (cont'd)								
2015-2013	3.7 V6	R	99R		Front Rear	250-25086 250-25086		250-24989 250-24989
Probe								
1997-1996	2.0 L4	A				250-24628		250-24629
1995-1993	2.0 L4	A				250-24068		
1992-1990	2.2 L4	C				250-23002		
1992-1990	2.2 L4	L				250-21020		
1989	2.2 L4	C, L				250-21012		
1997	2.5 V6	B			Front Rear	250-23096 250-23084		250-24627 250-24139
1996	2.5 V6	B			Front Rear	250-23096 250-23084		250-24628 250-24627
1995-1994	2.5 V6	B		Calif-ESV Calif-ESV	Front Rear	250-24068 250-24068		250-24068 250-24068
1995-1994	2.5 V6	B		Non Calif-ESV Non Calif-ESV	Front Rear	250-24067 250-24067		
1993	2.5 V6	B			Front Rear	250-24067 250-24067		
1992-1990	3.0 V6	U				250-23002		
Ranger								
1984-1983	2.0 L4	C				250-21003		
2011	2.3 L4	D				250-241127		250-24001
2010-2006	2.3 L4	D				250-241127		250-24127
2005-2001	2.3 L4	D				250-241127		250-24001
1997-1995	2.3 L4	A				250-24001		250-24001
1994-1991	2.3 L4	A				250-24001		
1990	2.3 L4	A		Calif-ESV		250-24001		
1990	2.3 L4	A		Non Calif-ESV		250-23002		
1989	2.3 L4	A		3 Wire Sensor		250-23002		
1989	2.3 L4	A		4 Wire Sensor		250-24001		
1988-1987	2.3 L4	A				250-23002		
1986-1985	2.3 L4	A				250-23001		
1984-1983	2.3 L4	A				250-21003		
2001-1998	2.5 L4	C				250-24001		250-24127
1985-1983	2.8 V6	S				250-21003		
1992-1990	2.9 V6	T		3 Wire Sensor		250-23007		
1992-1990	2.9 V6	T		4 Wire Sensor		250-24127		
1989	2.9 V6	T				250-23007		
1988-1987	2.9 V6	T				250-23002		
1986	2.9 V6	T				250-23001		
2008-2007	3.0 V6	U			Left Right	250-24701 250-24701		250-24001 250-24001
2006	3.0 V6	U			Left Right	250-24701 250-24701		250-24001 250-24127
2005-2004	3.0 V6	U, V			Left Right	250-241127 250-241127		250-24127 250-24127
2003-2001	3.0 V6	U, V		Downstream Sensor 15"	Left	250-241127		250-24001
				Downstream Sensor 15"	Right	250-241127		250-24001
2003-2001	3.0 V6	U, V		Downstream Sensor 30"	Left	250-241127		250-24070
				Downstream Sensor 30"	Right	250-241127		250-24070
2000-1998	3.0 V6	U, V		A/T	Left	250-24001		•250-24127
				A/T	Right	250-24001		
2000-1998	3.0 V6	U, V		M/T	Left	250-24001		•250-24070
				M/T	Right	250-24001		
1997-1995	3.0 V6	U			Left Right	250-24001 250-24001		•250-24070
1994-1991	3.0 V6	U			Left Right	250-24127 250-24127		
2011-2007	4.0 V6	E			Left Right	250-24701 250-24701		250-24001 250-24001
2006	4.0 V6	E			Left Right	250-24701 250-24701		250-24127 250-24127
2005-2004	4.0 V6	E			Left Right	250-24701 250-24701		250-24070 250-24070
2003-2001	4.0 V6	E			Left Right	250-24701 250-24701		•250-24127
2000-1998	4.0 V6	X		A/T	Left	250-24001		•250-24127
				A/T	Right	250-24001		

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Ranger (cont'd)								
2000-1998	4.0 V6	X		M/T M/T	Left Right	250-24001 250-24001		•250-24070
1997-1995	4.0 V6	X			Left Right	250-24001 250-24001		•250-24070
1994-1993	4.0 V6	X		Calif-ESV Calif-ESV	Left Right	250-24127 250-24127		
1994-1993	4.0 V6	X		Non Calif-ESV		250-24127		
1992-1991	4.0 V6	X			Left Right	250-24127 250-24127		
1990	4.0 V6	X				250-24127		
Special Service Police Sedan								
2018-2017	2.0 L4	9				250-25025		250-241184
2016	2.0 L4	9		From 01/04/2016		250-25025		250-241184
2016	2.0 L4	9		To 01/04/2016		250-25025		250-241023
2015-2014	2.0 L4	9				250-25034		250-241023
Taurus								
2017	2.0 L4	9				250-25025		250-241184
2016	2.0 L4	9		From 01/04/2016		250-25025		250-241184
2016	2.0 L4	9		To 01/04/2016		250-25025		250-241023
2015-2013	2.0 L4	9				250-25034		250-241023
1991	2.5 L4					250-24001		
1990-1987	2.5 L4	D				250-23007		
1986	2.5 L4	D				250-21004		
2007-2001	3.0 V6	2, S, U			Front Rear	250-24749 250-24749		250-24001 250-24001
2000	3.0 V6	2, S, U			Front Rear	250-24302 250-24302		250-24001 250-24001
1999-1997	3.0 V6	1, 2, S, U			Front Rear	250-24001 250-24001		250-24001 250-24001
1999	3.0 V6	U		Calif-ESV Calif-ESV	Front Rear	250-24302 250-24302		250-24001 250-24001
1999	3.0 V6	U		Non Calif-ESV Non Calif-ESV	Front Rear	250-24001 250-24001		250-24001 250-24001
1996	3.0 V6	1, S, U			Front	250-24001		250-24001
1996	3.0 V6	1, S, U			Rear	250-24001		250-24001
1995-1992	3.0 V6	U			Front Rear	250-24001 250-24001		
1995-1992	3.0 V6	Y			Front Rear	250-23002 250-23002		
1991	3.0 V6	U				250-24001		
1991	3.0 V6	Y		3 Wire Sensor		250-23002		
1991	3.0 V6	Y		4 Wire Sensor		250-24001		
1990-1987	3.0 V6	U, Y				250-23002		
1986	3.0 V6	U				250-23001		
1995-1993	3.2 V6	P			Front Rear	250-24001 250-24001		
1999-1996	3.4 V8	N			Front Rear	250-24001 250-24001		250-24001 250-24001
2018-2016	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2018	3.5 V6	T		SHO SHO	Front Rear	250-25122 250-25122		250-241185 250-241185
2017-2016	3.5 V6	T		SHO SHO	Front Rear	250-25049 250-25049		250-24983 250-24998
2015	3.5 V6	8			Front Rear	250-25086 250-25086		250-24989 250-24989
2015	3.5 V6	T			Front Rear	250-25049 250-25049		250-24983 250-24998
2014-2013	3.5 V6	8		Naturally Aspirated Naturally Aspirated	Front Rear	250-25086 250-25086		250-24989 250-24989
2014-2013	3.5 V6	T		Turbocharged Turbocharged	Front Rear	250-25049 250-25049		250-24983 250-24998
2012-2011	3.5 V6	T			Front Rear	250-25049 250-25049		250-24983 250-24998
2012-2011	3.5 V6	W			Front Rear	250-25034 250-25034		250-24983 250-24983
2010	3.5 V6	T			Front Rear	250-25049 250-25049		250-24127 250-24127

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Taurus (cont'd)								
2010	3.5 V6	W			Front Rear	250-25034 250-25034		250-24001 250-24001
2009-2008	3.5 V6	W		Calif-ESV Calif-ESV	Front Rear	250-25034 250-25034		250-24001 250-24001
2009-2008	3.5 V6	W		Non Calif-ESV Non Calif-ESV	Front Rear	250-24301 250-24301		250-24001 250-24001
1995-1991	3.8 V6	4			Front Rear	250-24001 250-24001		
1990-1988	3.8 V6	4				250-23002		
Taurus X								
2009-2008	3.5 V6	W		Calif-ESV Calif-ESV	Front Rear	250-25034 250-25034		250-24001 250-24001
2009-2008	3.5 V6	W		Non Calif-ESV Non Calif-ESV	Front Rear	250-24301 250-24301		250-24001 250-24001
Tempo								
1994-1992	2.3 L4	X				250-24001		
1991-1987	2.3 L4	S, X				250-23007		
1986-1984	2.3 L4	R, S, X				250-21004		
1994-1992	3.0 V6	U			Front Rear	250-24001 250-24001		
Thunderbird								
1988-1987	2.3 L4	T, W				250-23002		
1986-1985	2.3 L4	W				250-21003		
1984	2.3 L4	W				250-23001		
1983	2.3 L4	W				250-21003		
1997-1994	3.8 V6	4, R			Left Right	250-24001 250-24001		250-24001 250-24001
1993-1991	3.8 V6	4, R				250-24001		
1991	3.8 V6	4			Left Right	250-24001 250-24001		
1990-1988	3.8 V6	4, R			Left Right	250-23002 250-23002		
1989	3.8 V6	R				250-23002		
1987-1984	3.8 V6	3				250-21003		
1982	3.8 V6	3				250-21003		
2005-2002	3.9 V8	A			Left Right	250-24749 250-24749		250-24001 250-24001
1982-1981	4.2 V8	D				250-21003		
1997-1996	4.6 V8	W			Left Right	250-24001 250-24001		250-24001 250-24001
1995-1994	4.6 V8	W			Left Right	250-24001 250-24001		
1993-1991	5.0 V8	T			Left Right	250-24001 250-24001		
1988-1987	5.0 V8	F			Left Right	250-23002 250-23002		
1986	5.0 V8	F				250-23001		
1985-1983	5.0 V8	F				250-21003		
1981	5.0 V8	F				250-21003		
Transit-150								
2018-2016	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241199 250-241175
2015	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241186 250-241186
2018-2016	3.7 V6	M	99M		Left Right	250-25119 250-25122		250-241206 250-241185
2015	3.7 V6	M	99M		Left Right	250-25103 250-25086		250-24989 250-24983
Transit-250								
2018-2016	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241199 250-241175
2015	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241186 250-241186
2018-2016	3.7 V6	M	99M		Left Right	250-25119 250-25122		250-241206 250-241185
2015	3.7 V6	M	99M		Left Right	250-25103 250-25086		250-24989 250-24983

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
FORD (cont'd)								
Transit-350								
2018-2016	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241199 250-241175
2015	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241186 250-241186
2018-2016	3.7 V6	M	99M		Left Right	250-25119 250-25122		250-241206 250-241185
2015	3.7 V6	M	99M		Left Right	250-25103 250-25086		250-24989 250-24983
Transit-350 HD								
2018-2016	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241199 250-241175
2015	3.5 V6	G	99G		Left Right	250-25035 250-25034		250-241186 250-241186
2018-2016	3.7 V6	M	99M		Left Right	250-25119 250-25122		250-241206 250-241185
2015	3.7 V6	M	99M		Left Right	250-25103 250-25086		250-24989 250-24983
Transit Connect								
2016-2014	1.6 L4	X				250-25049		250-24976
2013-2010	2.0 L4	N				250-24776		250-24873
2015-2014	2.5 L4	7				250-25119		250-241059
Windstar								
2000-1995	3.0 V6	U			Front Rear	250-24001 250-24001		250-24001 250-24001
2003-1999	3.8 V6	4			Front Rear	250-241127 250-241127		250-24001 250-24001
1998-1995	3.8 V6	4			Front Rear	250-24001 250-24001		250-24001 250-24001
GEO								
Metro								
1997-1996	1.0 L3	6				250-24338		250-24335
1995	1.0 L3	6				250-24338		
1994	1.0 L3	6		Calif-ESV		250-24338		
1994	1.0 L3	6		Non Calif-ESV		250-21001		
1993-1989	1.0 L3	6				250-21001		
1997-1996	1.3 L4	9				250-24338		250-24335
1995	1.3 L4	9				250-24338		
Prizm								
1997-1996	1.6 L4	6				250-22003		250-24107
1995-1993	1.6 L4	6		Calif-ESV		250-21053		250-22051
1995-1993	1.6 L4	6		Non Calif-ESV		250-22052		
1992-1991	1.6 L4	6				250-22055		
1992-1990	1.6 L4	5	4AGE	Calif-ESV		250-24059		250-22061
1992-1990	1.6 L4	5	4AGE	Non Calif-ESV		250-24507		
1990	1.6 L4	6		From Chassis # LZ090311		250-22055		
1990	1.6 L4	6		To Chassis # LZ090310		250-22062		
1989	1.6 L4	6				250-22062		
1997-1995	1.8 L4	8				250-22003		250-24107
1994-1993	1.8 L4	8		Calif-ESV		250-21053		250-22051
1994-1993	1.8 L4	8		Non Calif-ESV		250-22052		
Spectrum								
1989	1.5 L4	9				250-21001		
Storm								
1993-1990	1.6 L4	6				250-21001		
1991-1990	1.6 L4	5				250-23004		
1993-1992	1.8 L4	8				250-24389		
Tracker								
1997-1996	1.6 L4	6				250-24338		250-24189
1995-1994	1.6 L4	6, U		Calif-ESV		250-24338		
1995-1994	1.6 L4	6, U		Non Calif-ESV		250-23004		
1993-1991	1.6 L4	U				250-23004		
1990-1989	1.6 L4	U				250-21009		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC								
Acadia								
2018-2017	2.5 L4	A	LCV			250-241133		250-241132
2018-2017	3.6 V6	S	LGX		Front	250-241212		250-241212
					Rear	250-241212		250-241212
2016-2012	3.6 V6	D	LLT		Front	250-24773		250-24773
					Rear	250-24773		250-24773
2011-2009	3.6 V6	D	LLT		Front	250-24649		250-24649
					Rear	250-24649		250-24649
2008-2007	3.6 V6	7			Front	250-24470		250-24708
					Rear	250-24470		250-24708
C1500								
1984-1983	4.1 L6	D				250-21001		
1998-1996	4.3 V6	W			Left	250-24012		250-24018
					Right	250-24012		250-24018
1995	4.3 V6	Z				250-23011		
1994	4.3 V6	Z				250-23005		
1993-1988	4.3 V6	Z				250-21001		
1986-1985	4.3 V6	N				250-21001		
1999-1996	5.0 V8	M		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.0 V8	M		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
1986-1983	5.0 V8	F				250-21001		
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
1986-1983	5.7 V8	L				250-21001		
C1500 Suburban								
1986-1983	5.0 V8	F, H				250-21001		
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		
1986	5.7 V8	L		Calif-ESV Only		250-21001		
1985-1983	5.7 V8	L				250-21001		
C2500								
1984-1983	4.1 L6	D				250-21001		
1995-1994	4.3 V6	Z			Left	250-23005		
					Right	250-23005		
1993-1988	4.3 V6	Z				250-21001		
1986-1985	4.3 V6	N				250-21001		
1998-1996	5.0 V8	M		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1998-1996	5.0 V8	M		w/ Trans Code 4L60-E	Left	250-24012		250-24018
				w/ Trans Code 4L60-E	Right	250-24012		250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
1986-1985	5.0 V8	H				250-21001		
2000-1999	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
1998-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
C2500 (cont'd)								
1998-1996	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
1986-1983	5.7 V8	L				250-21001		
2000	7.4 V8	J			Left Right	250-24248 250-24248		250-24018 250-24018
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1991	7.4 V8	N				250-21001		
C2500 Suburban								
1986-1985	5.0 V8	H				250-21001		
1999-1997	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1996	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1996	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		
1986-1983	5.7 V8	L				250-21001		
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1992	7.4 V8	N				250-21001		
C3500								
2000-1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	5.7 V8	K				250-21001		
2000	7.4 V8	J		Calif-ESV Calif-ESV	Left Right	250-24248 250-24248		250-24248 250-24248
2000	7.4 V8	J		Non Calif-ESV Non Calif-ESV	Left Right	250-24248 250-24248		250-24018 250-24018
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	7.4 V8	N				250-21001		
Caballero								
1984-1982	3.8 V6	9, A, K				250-21001		
1981-1980	3.8 V6	A, K				250-22001		
1987-1986	4.3 V6	Z				250-21001		
1985	4.3 V6	Z				250-23004		
1987-1982	5.0 V8	H				250-21001		
1981-1980	5.0 V8	H				250-22001		
Canyon								
2018-2015	2.5 L4	A	LCV			250-241133		250-241132
2006	2.8 L4	8				250-24698		250-24703
2005-2004	2.8 L4	8				250-24654		250-24339
2012-2007	2.9 L4	9				250-24698		250-24708
2006	3.5 L5	6				250-24698		250-24703
2005-2004	3.5 L5	6				250-24654		250-24339
2018-2017	3.6 V6	N	LGZ		Left Right	250-241212 250-241212		250-241212 250-241212
2016-2015	3.6 V6	3	LFX		Left Right	250-24773 250-24773		250-24773 250-24773
2012-2007	3.7 L5	E				250-24698		250-24708
2012-2009	5.3 V8	L, P	LH8		Left Right	250-24703 250-24703		250-24491 250-24491
Envoy								
2009-2007	4.2 L6	S				250-24698		250-24708
2006	4.2 L6	S				250-24698		250-24703
2005-2004	4.2 L6	S				250-24654		250-24339
2003-2002	4.2 L6	S				250-24355		250-24339

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
Envoy (cont'd)								
2009-2008	5.3 V8	M			Left Right	250-24704 250-24704		250-24703 250-24491
2007	5.3 V8	M			Left Right	250-24704 250-24704		250-24950 250-24950
2006	5.3 V8	M		1st Design - Downstream Square Connector	Left	250-24704		250-24339
2006	5.3 V8	M		1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M		2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
2006	5.3 V8	M		2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
2005	5.3 V8	M			Left Right	250-24470 250-24470		250-24836 250-24836
Envoy XL								
2006	4.2 L6					250-24698		250-24703
2005-2004	4.2 L6					250-24654		250-24339
2003-2002	4.2 L6					250-24355		250-24339
2006	5.3 V8	M	LH6	1st Design - Downstream Square Connector	Left	250-24704		250-24339
2006	5.3 V8	M	LH6	1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M	LH6	2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
2006	5.3 V8	M	LH6	2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
2005	5.3 V8				Left Right	250-24470 250-24470		250-24836 250-24836
2004-2003	5.3 V8				Left Right	250-24269 250-24269		250-24836 250-24836
Envoy XUV								
2005-2004	4.2 L6					250-24654		250-24339
2005	5.3 V8				Left Right	250-24470 250-24470		250-24836 250-24836
2004	5.3 V8				Left Right	250-24269 250-24269		250-24836 250-24836
G1500								
1984-1983	4.1 L6	D				250-21001		
1995	4.3 V6	Z				250-23011		
1994-1992	4.3 V6	Z				250-23005		
1991-1985	4.3 V6	N, Z				250-21001		
1995-1982	5.0 V8	F, H				250-21001		
1993-1983	5.7 V8	K, L				250-21001		
G2500								
1984-1983	4.1 L6	D				250-21001		
1995	4.3 V6	Z				250-23011		
1994-1992	4.3 V6	Z				250-23005		
1991-1985	4.3 V6	N, Z				250-21001		
1995-1982	5.0 V8	F, H				250-21001		
1995-1983	5.7 V8	K, L				250-21001		
G3500								
1984-1983	4.1 L6	D				250-21001		
1995	4.3 V6	Z				250-23011		
1994-1992	4.3 V6	Z				250-23005		
1991-1985	4.3 V6	N, Z				250-21001		
1996-1983	5.7 V8	K, L, M				250-21001		
1996-1988	7.4 V8	N				250-21001		
Jimmy								
2001-1996	4.3 V6	W			Left Right	250-24012 250-24012	250-24012	•250-24012
1995-1994	4.3 V6	W		4 Wire Sensor		250-24012		
1994-1992	4.3 V6	W, Z		3 Wire Sensor		250-23005		
1987-1985	5.0 V8	H				250-21001		
1991-1983	5.7 V8	K, L				250-21001		
K1500								
1984-1983	4.1 L6	D				250-21001		
1998-1996	4.3 V6	W			Left Right	250-24012 250-24012		•250-24018
1995	4.3 V6	Z				250-23011		
1994	4.3 V6	Z				250-23005		
1993-1988	4.3 V6	Z				250-21001		
1986-1985	4.3 V6	N				250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
K1500 (cont'd)								
1999-1996	5.0 V8	M		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1999-1996	5.0 V8	M		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
1986-1985	5.0 V8	H				250-21001		
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
1986-1983	5.7 V8	L				250-21001		
K1500 Suburban								
1985	5.0 V8	F				250-21001		
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		
1986-1983	5.7 V8	L				250-21001		
K2500								
1995	4.3 V6	Z				250-23011		
1994	4.3 V6	Z				250-23005		
1993-1988	4.3 V6	Z				250-21001		
1985	4.3 V6	N				250-21001		
1998	5.0 V8	M		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1998	5.0 V8	M		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.0 V8	H		w/o Trans Code 4L60-E		250-21001		
1995	5.0 V8	H		w/ Trans Code 4L60-E		250-23011		
1994	5.0 V8	H		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.0 V8	H				250-21001		
2000-1999	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1998-1997	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1998-1997	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1988	5.7 V8	K				250-21001		
1986-1983	5.7 V8	L				250-21001		
2000	7.4 V8	J		Calif-ESV Calif-ESV	Left Right	250-24248 250-24248		250-24248 250-24248
2000	7.4 V8	J		Non Calif-ESV Non Calif-ESV	Left Right	250-24248 250-24248		250-24018 250-24018
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1991	7.4 V8	N				250-21001		
K2500 Suburban								
1999	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1998-1996	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
K2500 Suburban (cont'd)								
1996	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1995-1994	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		w/ Trans Code 4L60-E		250-23005		
1993-1992	5.7 V8	K				250-21001		
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1992	7.4 V8	N				250-21001		
K3500								
2000-1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	5.7 V8	K				250-21001		
2000	7.4 V8	J		Calif-ESV Calif-ESV	Left Right	250-24248 250-24248		250-24248 250-24248
2000	7.4 V8	J		Non Calif-ESV Non Calif-ESV	Left Right	250-24248 250-24248		250-24018 250-24018
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	7.4 V8	N				250-21001		
P2500								
1989-1988	5.7 V8	K				250-21001		
P3500								
1999-1996	4.3 V6	W			Left Right	250-24019 250-24019		250-24018 250-24018
1995	4.3 V6	Z				250-24012		
1994-1993	4.3 V6	Z				250-23005		
1992-1990	4.3 V6	Z				250-21001		
1999-1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1987	5.7 V8	K				250-21001		
1999-1996	7.4 V8	B, J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1990	7.4 V8	N				250-21001		
R1500								
1987	4.3 V6	Z				250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		
R1500 Suburban								
1987	5.0 V8	H				250-21001		
1991-1987	5.7 V8	K				250-21001		
R2500								
1987	4.3 V6	Z				250-21001		
1987	5.0 V8	H				250-21001		
1989-1987	5.7 V8	K				250-21001		
1989-1987	7.4 V8	N				250-21001		
R2500 Suburban								
1991-1987	5.7 V8	K				250-21001		
1991-1987	7.4 V8	N				250-21001		
R3500								
1991-1987	5.7 V8	K				250-21001		
1991-1987	7.4 V8	N				250-21001		
S15								
1985-1982	1.9 L4	A				250-21001		
1990-1985	2.5 L4	E				250-21001		
1990-1982	2.8 V6	B, R				250-21001		
1990-1988	4.3 V6	Z				250-21001		
S15 Jimmy								
1983	1.9 L4	A				250-21001		
1988-1985	2.5 L4	E				250-21001		
1989-1983	2.8 V6	B, R				250-21001		
1991-1988	4.3 V6	Z				250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier	Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)									
Safari									
1990-1985	2.5 L4	E					250-21001		
2005-2003	4.3 V6	X				Left	250-24339		•250-24355
						Right	250-24355		
2002-2000	4.3 V6	W, X				Left	250-24836		•250-24269
						Right	250-24269		
1999-1998	4.3 V6	W				Left	250-24273		•250-24273
						Right	250-24273		
1997-1996	4.3 V6	W				Left	250-24012		•250-24018
						Right	250-24012		
1995	4.3 V6	W					250-23011		
1994-1992	4.3 V6	W, Z					250-23005		
1991-1985	4.3 V6	B, N, Z					250-21001		
Savana 1500									
2014-2008	4.3 V6	X				Left	250-241128		250-24491
						Right	250-241128		250-24491
2007	4.3 V6	X				Left	250-241128		250-24950
						Right	250-241128		250-24950
2006-2004	4.3 V6	X				Left	250-241119		250-241119
						Right	250-24339		250-24339
2003	4.3 V6	X		1st Design - Right Upstream Length 14.75"		Left	250-241119		250-241119
				1st Design - Right Upstream Length 14.75"		Right	250-241119		250-241119
2003	4.3 V6	X		2nd Design - Right Upstream Length 17.75"		Left	250-241119		250-241119
				2nd Design - Right Upstream Length 17.75"		Right	250-24339		250-24339
2002-1998	4.3 V6	W				Left	250-24012		•250-24018
						Right	250-24012		
1997-1996	4.3 V6	W				Left	250-24012		250-24018
						Right	250-24012		250-24018
2002-1998	5.0 V8	M				Left	250-24012		•250-24018
						Right	250-24012		
1997-1996	5.0 V8	M				Left	250-24012		250-24018
						Right	250-24012		250-24018
2014-2008	5.3 V8	4	LMF			Left	250-241128		250-24491
						Right	250-241128		250-24491
2007	5.3 V8	T, Z	L59	Calif-ESV		Left	250-241128		250-24950
				Calif-ESV		Right	250-241128		250-24950
2007	5.3 V8	T, Z	L59	Non Calif-ESV		Left	250-241119		250-241119
				Non Calif-ESV		Right	250-24339		250-24339
2006-2004	5.3 V8	T				Left	250-241119		250-241119
						Right	250-24339		250-24339
2003	5.3 V8	T		1st Design - Right Upstream Length 14.75"		Left	250-241119		250-241119
				1st Design - Right Upstream Length 14.75"		Right	250-241119		250-241119
2003	5.3 V8	T		2nd Design - Right Upstream Length 17.75"		Left	250-241119		250-241119
				2nd Design - Right Upstream Length 17.75"		Right	250-24339		250-24339
2002-1996	5.7 V8	R				Left	250-24012		250-24018
						Right	250-24012		250-24018
Savana 2500									
2018	4.3 V6	P	LV1			Left	250-241162		250-241132
						Right	250-241162		250-241132
2005-2004	4.3 V6	X				Left	250-241119		250-241119
						Right	250-24339		250-24339
2003	4.3 V6	X		1st Design - Right Upstream Length 14.75"		Left	250-241119		250-241119
				1st Design - Right Upstream Length 14.75"		Right	250-241119		250-241119
2003	4.3 V6	X		2nd Design - Right Upstream Length 17.75"		Left	250-241119		250-241119
				2nd Design - Right Upstream Length 17.75"		Right	250-24339		250-24339
2002-1998	4.3 V6	W				Left	250-24019		•250-24018
						Right	250-24019		
2002-1998	4.3 V6	W				Left	250-24012		•250-24018
						Right	250-24012		
1997-1996	4.3 V6	W				Left	250-24019		250-24018
						Right	250-24019		250-24018
1997-1996	4.3 V6	W				Left	250-24012		250-24018
						Right	250-24012		250-24018
2017-2016	4.8 V8	F	L20			Left	250-241162		250-241132
						Right	250-241162		250-241132
2015-2008	4.8 V8	A, C, F	L20			Left	250-241128		250-24491
						Right	250-241128		250-24491
2007-2004	4.8 V8	V				Left	250-241119		250-241119
						Right	250-24339		250-24339
2003	4.8 V8	V		1st Design - Right Upstream Length 14.75"		Left	250-241119		250-241119
				1st Design - Right Upstream Length 14.75"		Right	250-241119		250-241119

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
Savana 2500 (cont'd)								
2003	4.8 V8	V		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1996	5.0 V8	M			Left Right	250-24012 250-24012		250-24018 250-24018
2005-2004	5.3 V8	T			Left Right	250-241119 250-24339		250-241119 250-24339
2003	5.3 V8	T		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	5.3 V8	T		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1996	5.7 V8	R		GVW Over 8,500LBS. GVW Over 8,500LBS.	Left Right	250-24019 250-24019		250-24018 250-24018
2002-1996	5.7 V8	R		GVW Under 8,500LBS. GVW Under 8,500LBS.	Left Right	250-24012 250-24012		250-24018 250-24018
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2014	6.0 V8	B, G	L96, LC8		Left Right	250-241128 250-241128		250-24491 250-24491
2013-2012	6.0 V8	B, G		Passenger & Cargo Vans Passenger & Cargo Vans	Left Right	250-241128 250-241128		250-24491 250-24491
2012	6.0 V8	B, G		Cutaway Van Cutaway Van	Left Right	250-24492 250-24492		250-24491 250-24491
2011-2008	6.0 V8	B, G, K	L96		Left Right	250-241128 250-241128		250-24491 250-24491
2007-2004	6.0 V8	U			Left Right	250-241119 250-24339		250-241119 250-24339
2003	6.0 V8	U		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	6.0 V8	U		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
Savana 3500								
2018	4.3 V6	P	LV1		Left Right	250-241162 250-241162		250-241132 250-241132
2017-2016	4.8 V8	F	L20		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2008	4.8 V8	A, C, F	L20		Left Right	250-241128 250-241128		250-24491 250-24491
2007-2004	4.8 V8	V			Left Right	250-241119 250-24339		250-241119 250-24339
2002-1996	5.7 V8	R			Left Right	250-24019 250-24019		250-24018 250-24018
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241162 250-241162		250-241132 250-241132
2015-2014	6.0 V8	B, G	L96, LC8		Left Right	250-241128 250-241128		250-24491 250-24491
2013-2012	6.0 V8	B, G		Passenger & Cargo Vans Passenger & Cargo Vans	Left Right	250-241128 250-241128		250-24491 250-24491
2012-2008	6.0 V8	B, G, K	L96	Cutaway Van Cutaway Van	Left Right	250-24492 250-24492		250-24491 250-24491
2011	6.0 V8	G	L96	Cargo Van Cargo Van	Left Right	250-241128 250-241128		250-24491 250-24491
2011	6.0 V8	G	L96	Passenger Van Passenger Van	Left Right	250-241128 250-241128		250-24491 250-24491
2010-2008	6.0 V8	G, K	L96	Cargo Van Cargo Van	Left Right	250-24708 250-24708		250-24491 250-24491
2010-2008	6.0 V8	G, K	L96	Passenger Van Passenger Van	Left Right	250-24708 250-24708		250-24491 250-24491
2007-2004	6.0 V8	U			Left Right	250-241119 250-24339		250-241119 250-24339
2003	6.0 V8	U		1st Design - Right Upstream Length 14.75" 1st Design - Right Upstream Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	6.0 V8	U		2nd Design - Right Upstream Length 17.75" 2nd Design - Right Upstream Length 17.75"	Left Right	250-241119 250-24339		250-241119 250-24339
2000-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24248 250-24248
Savana 4500								
2016-2015	6.0 V8	B, G	L96, LC8		Left Right	250-24492 250-24492		250-24491 250-24491

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
Sierra 1500								
2018-2014	4.3 V6	H	LV3		Left Right	250-241162 250-241162		250-241132 250-241132
2013-2008	4.3 V6	X			Left Right	250-24703 250-24703		250-24704 250-24704
2007	4.3 V6	X			Left Right	250-24703 250-24703		250-24355 250-24355
2006-2003	4.3 V6	X			Left Right	250-241119 250-241119		250-241119 250-241119
2002-1999	4.3 V6	W			Left Right	250-24012 250-24012		250-24018 250-24018
2002	4.3 V6	X			Left Right	250-24269 250-24269		250-24269 250-24269
2013-2008	4.8 V8	A, C	L20		Left Right	250-24470 250-24470		250-24736 250-24736
2007	4.8 V8	C			Left Right	250-24470 250-24470		250-24267 250-24267
2006	4.8 V8	V			Left Right	250-24703 250-24703		250-24355 250-24355
2005-2003	4.8 V8	V			Left Right	250-241119 250-241119		250-241119 250-241119
2002-2000	4.8 V8	V		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	4.8 V8	V		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
1999	4.8 V8	V			Left Right	250-24012 250-24012		250-24018 250-24018
2018-2016	5.3 V8	R	L8B	Hybrid Hybrid	Left Right	250-241162 250-241162		250-241132 250-241132
2018-2014	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
2013-2008	5.3 V8	0, 3, 7, J, M	LC9, LMG, LY5		Left Right	250-24470 250-24470		250-24736 250-24736
2007	5.3 V8				Left Right	250-24470 250-24470		250-24267 250-24267
2006	5.3 V8	B, T, Z	L59		Left Right	250-24703 250-24703		250-241128 250-241128
2005-2003	5.3 V8	B, T, Z			Left Right	250-24470 250-24470		250-24470 250-24470
2002-2000	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2002	5.3 V8	Z			Left Right	250-24269 250-24269		250-24269 250-24269
1999	5.3 V8	T			Left Right	250-24012 250-24012		250-24018 250-24018
2013-2008	6.0 V8	5, J, Y	L76, LFA, LZ1		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	Y	L76		Left Right	250-24470 250-24470		250-24267 250-24267
2006	6.0 V8	N			Left Right	250-24491 250-24491		250-241119 250-241119
2005-2003	6.0 V8				Left Right	250-24491 250-24491		250-24267 250-24267
2002	6.0 V8				Left Right	250-24248 250-24248		250-24018 250-24018
2018-2014	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132
2013-2008	6.2 V8	2	L9H		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.2 V8	8	L92		Left Right	250-24470 250-24470		250-24267 250-24267
Sierra 1500 Classic								
2007	4.3 V6	X			Left Right	250-24703 250-24703		250-24355 250-24355
2007	4.8 V8	V			Left Right	250-24703 250-24703		250-24355 250-24355
2007	5.3 V8				Left Right	250-24703 250-24703		250-241128 250-241128

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
Sierra 1500 Classic (cont'd)								
2007	6.0 V8	N			Left Right	250-24491 250-24491		250-24267 250-24267
Sierra 1500 HD								
2006-2005	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
Sierra 1500 HD Classic								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
Sierra 2500								
2000	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
1999	5.3 V8	T			Left Right	250-24012 250-24012		250-24018 250-24018
2004-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2000-1999	6.0 V8	U			Left Right	250-24019 250-24019		250-24202 250-24018
Sierra 2500 HD								
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241133 250-241133		250-241132 250-241132
2015-2013	6.0 V8	B, G	L96, LC8		Left Right	250-24492 250-24492		250-24736 250-24736
2012-2011	6.0 V8	G	L96	Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24492 250-24492		250-24736 250-24736
2012	6.0 V8	G		Cab Chassis Cab Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2011	6.0 V8	G	L96	Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2010-2008	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24728 250-24736
2010-2008	6.0 V8	K		Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24488 250-241119
2007	6.0 V8	K		Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24267 250-24267
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2006-2003	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248
Sierra 2500 HD Classic								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
2007	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
Sierra 3500								
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
Sierra 3500 (cont'd)								
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2006-2003	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248
Sierra 3500 Classic								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
2007	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
Sierra 3500 HD								
2018-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241133 250-241133		250-241132 250-241132
2015-2013	6.0 V8	G	L96	Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2015	6.0 V8	G	L96		Left Right	250-24492 250-24492		250-24736 250-24736
2014-2011	6.0 V8	G	L96	Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24492 250-24492		250-24736 250-24736
2012	6.0 V8	G		Cab Chassis Cab Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2011	6.0 V8	G	L96	Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24736 250-24736
2010-2008	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24728 250-24736
2010-2008	6.0 V8	K		Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K		Cab & Chassis Cab & Chassis	Left Right	250-24491 250-24491		250-24488 250-241119
2007	6.0 V8	K		Exc.Cab & Chassis Exc.Cab & Chassis	Left Right	250-24470 250-24470		250-24267 250-24267
Sonoma								
2003-2000	2.2 L4	5, H				250-22060		250-24340
2000-1999	2.2 L4	4				250-21028		250-24340
1998-1996	2.2 L4	4				250-21001		250-24340
1995-1994	2.2 L4	4				250-21001		
1993-1991	2.5 L4	A, E				250-21001		
1993-1991	2.8 V6	R				250-21001		
2004-2003	4.3 V6	X			Left Right	250-24269 250-24269		•250-24269
2002	4.3 V6	W			Left Right	250-24269 250-24269		250-24269 250-24269
2001-1998	4.3 V6	W, X			Left Right	250-24012 250-24012		•250-24012
1997-1996	4.3 V6	W, X			Left Right	250-24012 250-24012	250-24012	•250-24012
1995-1994	4.3 V6	W		4 Wire Sensor		250-24012		
1995-1992	4.3 V6	W, Z		3 wire Sensor		250-23005		
1991	4.3 V6	Z				250-21001		
Syclone								
1991	4.3 V6	Z				250-23005		
Terrain								
2018	1.5 L4	V	LYX			250-241188		250-241188
2018	2.0 L4	X	LTG			250-25128		250-241132
2015-2010	2.4 L4	C, K, W	LAF, LEA			250-24704		250-24708
2012-2010	3.0 V6	5, Y	LF1, LFW		Front Rear	250-24649 250-24649		250-24649 250-24649
2017-2013	3.6 V6	3	LFX		Front Rear	250-24649 250-24649		250-24649 250-24649
Typhoon								
1993-1992	4.3 V6	Z				250-23005		
V1500								
1987	4.3 V6	Z				250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
V1500 Suburban								
1991-1987	5.7 V8	K				250-21001		
V2500								
1987	5.7 V8	K				250-21001		
V2500 Suburban								
1991-1987	5.7 V8	K				250-21001		
V3500								
1991-1987	5.7 V8	K				250-21001		
1991-1987	7.4 V8	N				250-21001		
Yukon								
2009-2008	4.8 V8	C			Left Right	250-24470 250-24470		250-24736 250-24736
2007-2006	4.8 V8	C, V			Left Right	250-24703 250-24703		250-24355 250-24355
2005-2003	4.8 V8	V			Left Right	250-241119 250-241119		250-241119 250-241119
2002-2000	4.8 V8	V		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	4.8 V8	V		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2018-2015	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
2014-2008	5.3 V8	0, 3, J	LC9, LMG, LY5		Left Right	250-24470 250-24470		250-24736 250-24736
2007	5.3 V8	0, J	LMG, LY5		Left Right	250-24703 250-24703		250-24355 250-24355
2006	5.3 V8	T, Z	L59		Left Right	250-24703 250-24703		250-241128 250-241128
2005-2003	5.3 V8	T, Z	L59		Left Right	250-24470 250-24470		250-24470 250-24470
2002-2000	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2002	5.3 V8	Z			Left Right	250-24269 250-24269		250-24269 250-24269
2000	5.7 V8				Left Right	250-24019 250-24019		250-24018 250-24018
1999-1996	5.7 V8	R		w/ Trans Code 4L60-E w/ Trans Code 4L60-E	Left Right	250-24012 250-24012		250-24018 250-24018
1998-1996	5.7 V8	R		w/o Trans Code 4L60-E w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1995	5.7 V8	K		w/o Trans Code 4L60-E		250-21001		
1995	5.7 V8	K		w/ Trans Code 4L60-E		250-23011		
1994	5.7 V8	K		A/T		250-23005		
1994	5.7 V8	K		M/T		250-21001		
1993-1992	5.7 V8	K		1 Wire Sensor		250-21001		
1993-1992	5.7 V8	K		3 Wire Sensor		250-23005		
2013-2008	6.0 V8	5, J	LFA, LZ1		Left Right	250-24470 250-24470		250-24736 250-24736
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-241119 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24018 250-24018
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2018-2015	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132
2014-2008	6.2 V8	2, 8, F	L92, L94, L9H		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.2 V8	8	L92		Left Right	250-24703 250-24703		250-24355 250-24355
Yukon XL								
2018-2015	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
2018-2015	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
GMC (cont'd)								
Yukon XL 1500								
2014-2008	5.3 V8	0, 3, 7, J	LC9, LMG, LY5		Left Right	250-24470 250-24470		250-24736 250-24736
2007	5.3 V8	0, 3, J	LC9, LMG, LY5		Left Right	250-24703 250-24703		250-24355 250-24355
2006	5.3 V8	Z	L59		Left Right	250-24703 250-24703		250-241128 250-241128
2005-2003	5.3 V8	T, Z			Left Right	250-24470 250-24470		250-24470 250-24470
2002-2000	5.3 V8	T, Z		Canada Built Vehicle Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
2009-2008	6.0 V8	Y	L76		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	Y	L76		Left Right	250-24703 250-24703		250-24355 250-24355
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-241119 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24018 250-24018
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2014-2008	6.2 V8	2, 8, F	L92, L94, L9H		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.2 V8	8	L92		Left Right	250-24703 250-24703		250-24355 250-24355
Yukon XL 2500								
2013-2008	6.0 V8	G, K	L96		Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K			Left Right	250-24703 250-24703		250-24355 250-24355
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-241119
2002	6.0 V8	U			Left Right	250-24248 250-24248		250-24488 250-241119
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2000	6.0 V8	U			Left Right	250-24019 250-24019		250-24202 250-24018
2006-2003	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
2002-2001	8.1 V8	G			Left Right	250-24248 250-24248		250-24274 250-24248
HONDA								
Accord								
1985-1984	1.8 L4		LFA1			250-21009		
2015-2014	2.0 L4					250-54041		250-24917
1989-1986	2.0 L4		A20A1, A20A3, BS, BT			250-21009		
1997-1996	2.2 L4		F22B2			250-24620		250-24601
1997-1996	2.2 L4		F22B1			250-24011		250-24601
1995-1994	2.2 L4		F22B2	DX & LX Models		250-24620		
1995-1994	2.2 L4		F22B1	EX Model		250-24011		
1993-1990	2.2 L4		F22A1	W/ F22A1 Engine		250-24621		
1993-1990	2.2 L4		F22A4, F22A6	W/ F22A4/A6 Engine		250-24011		
2002-1998	2.3 L4		F23A1	w/ F23A1 Engine		250-24620		250-24343
2002-1998	2.3 L4		F23A5	w/ F23A5 Engine		250-24620		250-24343
2002	2.3 L4		F23A4	w/ F23A4 Engine, EX Model		250-54005		250-24429
2002	2.3 L4		F23A4	w/ F23A4 Engine, LX, SE Model		250-54005		250-24343
2001	2.3 L4		F23A4	w/ F23A4 Engine		250-54005		250-24343
2000-1998	2.3 L4		F23A4	w/ F23A4 Engine		250-54055		250-24343
2015-2013	2.4 L4		K24W1			250-54038		250-24917
2012-2008	2.4 L4		K24Z2, K24Z3			250-54110		250-24833
2007-2003	2.4 L4		K24A4, K24A8			250-54045		250-24476
1997-1995	2.7 V6		C27A4			250-24099		250-24601
2007-2006	3.0 V6		J30A5	A/T A/T	Front Rear	250-25001 250-25001		250-24346 250-24391

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
HONDA (cont'd)								
Accord (cont'd)								
2007-2006	3.0 V6		J30A5	M/T M/T	Front Rear	250-25001 250-25001		250-24391 250-24391
2007-2005	3.0 V6		JNA1	Hybrid Model Hybrid Model	Front Rear	250-25001 250-25001		250-24346 250-24391
2005-2003	3.0 V6		J30A4	2-Door, A/T 2-Door, A/T	Front Rear	250-25001 250-25001		250-24346 250-24391
2005-2003	3.0 V6		J30A4	2-Door, M/T 2-Door, M/T	Front Rear	250-25001 250-25001		250-24391 250-24391
2005-2003	3.0 V6		J30A4	4-Door 4-Door	Front Rear	250-25001 250-25001		250-24346 250-24391
2002-2000	3.0 V6		J30A1			250-24308		250-24343
1999-1998	3.0 V6		J30A1	Calif-ESV		250-24099		250-24343
1999-1998	3.0 V6		J30A1	Non Calif-ESV		250-24099		250-24601
2012-2010	3.5 V6		J35Z2, J35Z3		Front Rear	250-25059 250-25059		250-24787 250-24785
2011-2010	3.5 V6		J35Z2		Front Rear	250-25059 250-25059		250-24785 250-24785
2009-2008	3.5 V6		J35Z2	Calif-ESV Calif-ESV	Front Rear	250-25082 250-25082		250-24785 250-24785
2009-2008	3.5 V6		J35Z2	Non Calif-ESV Non Calif-ESV	Front Rear	250-25059 250-25059		250-24787 250-24787
Accord Crosstour								
2011-2010	3.5 V6		J35Z2		Front Rear	250-25059 250-25059		250-24785 250-24785
Civic								
2011-2009	1.3 L4		LDA2	Hybrid Model		250-54040		250-24786
2008-2006	1.3 L4		LDA2	Hybrid Model		250-54112		250-24786
2005-2004	1.3 L4		LDA1	Hybrid Model, Calif-ESV		250-54013	250-24398	250-241123
2005-2004	1.3 L4		LDA1	Hybrid Model, Non Calif-ESV		250-54013		250-24446
2003	1.3 L4		LDA1	Hybrid, Calif-ESV, Fr Chassis/VIN #3S020169		250-54013		250-241123
2003	1.3 L4		LDA1	Hybrid, Calif-ESV, To Chassis/VIN #3S020169		250-54013	250-24398	250-24346
2003	1.3 L4		LDA1	Hybrid, Non Calif-ESV		250-54013		250-24446
2015	1.5 L4		LEA2			250-54111		250-24917
2014	1.5 L4					250-54038		250-24917
2013-2012	1.5 L4		LEA2			250-54111		250-24917
1995-1993	1.5 L4		D15B8	CX Model, Calif-ESV		250-24099		
1995-1993	1.5 L4		D15B8	CX Model, Non Calif-ESV		250-21031		
1995-1993	1.5 L4		D15Z1	VX Model, Calif-ESV		250-24099		
1995-1993	1.5 L4		D15Z1	VX Model, Non Calif-ESV		250-25055		
1995-1992	1.5 L4		D15B7	DX & LX Model		250-24099		
1992	1.5 L4		D15B8	CX Model		250-21031		
1992	1.5 L4		D15Z1	VX Model		250-25055		
1991-1988	1.5 L4					250-21009		
1987-1984	1.5 L4					250-21033		
2000-1999	1.6 L4		D16Y8	EX Models		250-24398		250-24105
2000-1999	1.6 L4		B16A2	SI Model		250-24011		250-24105
2000-1998	1.6 L4		D16B5	GX Model		250-24784		250-24099
2000-1997	1.6 L4		D16Y7	CX, DX, LX & Value Package Models, A/T		250-24099		250-24099
2000-1997	1.6 L4		D16Y7	CX, DX, LX & Value Package Models, M/T		250-24099		250-241042
2000-1997	1.6 L4		D16Y5	HX Model, Automatic CVT		250-24099		250-24099
2000-1996	1.6 L4		D16Y5	HX Model, M/T		250-25055		250-241042
1998	1.6 L4		D16Y8	EX Models		250-24099		250-24105
1997	1.6 L4		D16Y8	EX Model, A/T		250-24099		250-24099
1997	1.6 L4		D16Y8	EX Model, M/T		250-24099		250-241042
1996	1.6 L4		D16Y7	CX, DX, & LX Model		250-24099		250-241042
1996	1.6 L4		D16Y8	EX Model		250-24099		250-241042
1996	1.6 L4		D16Y5	HX Model, Automatic CVT		250-24099		250-241042
1995-1992	1.6 L4		D16Z6	EX & SI Models		250-24099		
1991-1988	1.6 L4		D16A6			250-21009		
2005-2004	1.7 L4		D17A1	DX, LX, Value Package Models		250-54013		250-24121
2005-2004	1.7 L4		D17A2	EX Models		250-54075		250-24343
2005-2001	1.7 L4		D17A7	GX Models		250-24473		250-24121
2005-2001	1.7 L4		D17A6	HX Models		250-54013	250-24446	250-24446
2003-2002	1.7 L4		D17A1	DX, LX, Value Package Models		250-24308		250-24121
2003-2001	1.7 L4		D17A2	EX Models		250-24429		250-24343
2001	1.7 L4		D17A1	DX Model		250-24473		250-24121

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
HONDA (cont'd)								
Civic (cont'd)								
2001	1.7 L4		D17A1	LX Model		250-24473		250-24121
2015-2014	1.8 L4		R18Z1			250-54041		250-24917
2015-2006	1.8 L4		R18A1, R18A4, R18A9, R18Z1			250-54041		250-24786
2011-2009	2.0 L4		K20Z3			250-54040		250-24798
2008-2006	2.0 L4		K20Z3			250-54112		250-24798
2005-2002	2.0 L4		K20A3			250-54076		250-24429
2015-2012	2.4 L4		K24Z7			250-54038		250-24917
Civic del Sol								
1995-1993	1.5 L4		D15B7	S Model		250-24099		
1997	1.6 L4		D16Y7, D16Y8	S & SI Models, A/T		250-24099		250-24099
1997	1.6 L4		D16Y7, D16Y8	S & Si Models, M/T		250-24099		250-241042
1996	1.6 L4		D16Y7, D16Y8	S & SI Models		250-24099		250-241042
1995-1994	1.6 L4		B16A3	Vtec Models		250-24011		
1993	1.6 L4					250-24099		
Crosstour								
2015-2012	2.4 L4		K24Y2			250-54038		250-24917
2015-2013	3.5 V6		J35Y1		Front Rear	250-25059 250-25059		250-24917 250-24785
2012	3.5 V6		J35Z2		Front Rear	250-25059 250-25059		250-24785 250-24785
CR-V								
2001-1997	2.0 L4		B20B4, B20Z2			250-24011		250-24105
2014-2012	2.4 L4		K24Z7			250-54038		250-24917
2011-2010	2.4 L4		K24Z6			250-54110		250-24917
2009-2007	2.4 L4		K24Z1			250-54065		250-24799
2006-2005	2.4 L4		K24A1			250-54046		250-241123
2004-2002	2.4 L4		K24A1			250-54013		250-24477
CRX								
1991-1988	1.5 L4		D15B2, D15B6			250-21009		
1991-1988	1.6 L4		D16A6			250-21009		
CR-Z								
2015	1.5 L4		LEA1			250-54111		250-24856
2014	1.5 L4					250-54038		250-24856
2013-2012	1.5 L4		LEA1			250-54111		250-24856
2011	1.5 L4		LEA1			250-54038		250-24856
Element								
2011	2.4 L4		K24A8			250-54083		250-24398
2010-2003	2.4 L4		K24A4, K24A8			250-54046		250-24398
Fit								
2013-2009	1.5 L4		L15A7			250-54111		250-24856
2008-2007	1.5 L4		L15A1			250-54111		250-24798
Insight								
2006-2002	1.0 L3		ECA1	M/T		250-54005	250-24398	250-24664
2006-2001	1.0 L3		ECA1	CVT Trans		250-54005		250-24477
2001	1.0 L3		ECA1	M/T		250-25055		250-24620
2000	1.0 L3		ECA1			250-25055		250-24620
2014	1.3 L4					250-54038		250-24856
2013-2010	1.3 L4		LDA3			250-54111		250-24856
Odyssey								
1997-1996	2.2 L4		F22B6			250-24011		250-24121
1995	2.2 L4		F22B6			250-24011		
1998	2.3 L4		F23A7			250-24011		250-24121
2015-2014	3.5 V6		J35Z8		Front Rear	250-25059 250-25059		250-24915 250-24915
2013-2012	3.5 V6		J35Z8	Exc. Touring Models Exc. Touring Models	Front Rear	250-25059 250-25059		250-24785 250-24785
2013-2011	3.5 V6		J35Z8	Touring Models Touring Models	Front Rear	250-25059 250-25059		250-24915 250-24785
2011	3.5 V6		J35Z8	EX, EX-L, LX Models EX, EX-L, LX Models	Front Rear	250-25059 250-25059		250-24785 250-24785
2010-2008	3.5 V6		J35A7	EX-L & Touring Models EX-L & Touring Models	Front Rear	250-25056 250-25056		250-24785 250-24785

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
HONDA (cont'd)								
Odyssey (cont'd)								
2010-2008	3.5 V6		J35A6	LX & EX Models LX & EX Models	Front Rear	250-25056 250-25056		250-24346 250-24391
2007	3.5 V6		J35A6, J35A7		Front Rear	250-25056 250-25056		250-24346 250-24391
2006-2005	3.5 V6		J35A6, J35A7		Front Rear	250-25001 250-25001		250-24346 250-24391
2004-2002	3.5 V6		J35A4		Front Rear	250-24346 250-24346		250-24343 250-24343
2003-2002	3.5 V6					250-24346		250-24343
2001	3.5 V6		J35A1			250-24308		250-24620
2000-1999	3.5 V6		J35A1			250-24099		250-24620
Passport								
1996	2.6 L4		4ZE1			250-24012		250-24012
1995-1994	2.6 L4		4ZE1			250-23004		
2002	3.2 V6		6VD1		Left Right	250-24269 250-24269		250-24269 250-24269
2001	3.2 V6		6VD1		Left Right	250-24490 250-24490		250-24490 250-24490
2000-1996	3.2 V6		6VD1		Left Right	250-24012 250-24012		250-24012 250-24012
1995-1994	3.2 V6		6VD1			250-24389		
Pilot								
2015-2014	3.5 V6		J35Z4		Front Rear	250-25059 250-25059		250-24915 250-24785
2013-2009	3.5 V6		J35Z4		Front Rear	250-25059 250-25059		250-24785 250-24785
2008-2005	3.5 V6		J35A6, J35A9, J35Z1		Front Rear	250-25001 250-25001		250-24346 250-24391
2004	3.5 V6		J35A4		Front Rear	250-24346 250-24346		250-24601 250-24601
2003	3.5 V6		J35A4			250-24346		250-24601
Prelude								
1987-1984	1.8 L4		A18A1, ET2			250-21009		
1991-1985	2.0 L4		B20A5			250-21009		
1991-1990	2.1 L4		B21A1			250-24011		
2001	2.2 L4		H22A4			250-24343		250-24121
2000-1998	2.2 L4		H22A4	Base Model, A/T		250-24121		250-24121
2000-1998	2.2 L4		H22A4	Base Model, M/T		250-24343		250-24121
2000-1998	2.2 L4		H22A4	SH Model		250-24343		250-24121
1997	2.2 L4		H22A4			250-24121		250-24121
1996	2.2 L4		F22A1, H22A1			250-24011		250-24601
1995-1994	2.2 L4		F22A1	S Model		250-24620		
1995-1993	2.2 L4		H22A1	VTEC Model		250-24011		
1993-1992	2.2 L4		F22A1	S Model		250-24621		
1996	2.3 L4		H23A1			250-24011		250-24601
1995-1992	2.3 L4		H23A1			250-24011		
Ridgeline								
2014	3.5 V6		J35Z5		Front Rear	250-25059 250-25059		250-24915 250-24785
2013-2009	3.5 V6		J35Z5		Front Rear	250-25059 250-25059		250-24785 250-24785
2008-2006	3.5 V6		J35A9		Front Rear	250-25001 250-25001		250-24346 250-24391
S2000								
2003-2000	2.0 L4		F20C1			250-24784		250-24121
2009-2006	2.2 L4		F22C1			250-54056		250-24764
2005-2004	2.2 L4		F22C1			250-24391		250-24121
Wagovan								
1987-1986	1.5 L4		D15A2			250-21033		
1984	1.5 L4		EW1			250-21033		
HUMMER								
H2								
2007	6.0 V8	U			Left Right	250-24703 250-24703		250-24355 250-24355

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
HUMMER (cont'd)								
H2 (cont'd)								
2006-2003	6.0 V8	U			Left Right	250-24491 250-24491		250-241119 250-241119
2009	6.2 V8	2	L9H		Left Right	250-24703 250-24703		250-24728 250-24728
2008	6.2 V8	8	L92		Left Right	250-24703 250-24703		250-24704 250-24704
H3								
2006	3.5 L5	6				250-24698		250-24736
2010-2007	3.7 L5	E				250-24698		250-24708
2010-2008	5.3 V8	L, P	LH8, LH9		Left Right	250-24703 250-24703		250-24491 250-24491
H3T								
2010-2009	3.7 L5	E				250-24698		250-24708
2010-2009	5.3 V8	L, P	LH8, LH9		Left Right	250-24703 250-24703		250-24491 250-24491
HYUNDAI								
Accent								
2002-2000	1.5 L4	G	G4EK			250-24349		250-24349
1999-1998	1.5 L4	N	G4EK			250-24357		250-24358
1997	1.5 L4	N		From 05/01/97		250-24357		250-24358
1997	1.5 L4	N		To 05/01/97, Calif-ESV		250-24351		250-24351
1997	1.5 L4	N		To 05/01/97, Non Calif-ESV		250-24351		250-24379
1996	1.5 L4	N		Calif-ESV		250-24351		250-24351
1996	1.5 L4	N		Non Calif-ESV		250-24351		250-24379
1995	1.5 L4	N				250-23129		
2014-2012	1.6 L4	E				250-25035		250-24982
2011-2001	1.6 L4	C				250-24349		250-24349
Azera								
2014-2012	3.3 V6	G			Front Rear	250-24908 250-241034		250-24909 250-241046
2011-2007	3.3 V6	D			Front Rear	250-24690 250-24690		250-24690 250-24707
2011-2006	3.8 V6	F			Front Rear	250-24690 250-24690		250-24690 250-24707
Elantra								
1995	1.6 L4	R				250-24280		250-24289
1994	1.6 L4	R		Calif-ESV		250-24280		250-24289
1994	1.6 L4	R		Non Calif-ESV		250-24280		
1993	1.6 L4	R		Calif-ESV, From 7/1/93		250-24280		250-24289
1993	1.6 L4	R		Non Calif-ESV, From 7/1/93		250-24280		
1993	1.6 L4	R		To 7/1/93		250-24091		
1992	1.6 L4	R				250-24091		
2014	1.8 L4					250-25034		250-24988
2013-2011	1.8 L4	E		Calif-ESV		250-25034		250-24988
2013-2011	1.8 L4	E		Non Calif-ESV		250-25049		250-24987
1998	1.8 L4	M	G4CN			250-24357		250-24356
1997-1996	1.8 L4	M				250-24351		250-24379
1995	1.8 L4	M				250-24280		250-24289
1994	1.8 L4	M		Calif-ESV		250-24280		250-24289
1994	1.8 L4	M		Non Calif-ESV		250-24280		
1993	1.8 L4	M		Calif-ESV, From 7/1/93		250-24280		250-24289
1993	1.8 L4	M		Non Calif-ESV, From 7/1/93		250-24280		
1993	1.8 L4	M		To 7/1/93		250-24091		
2014	2.0 L4			Calif-ESV		250-25034		250-24988
2014	2.0 L4			Non Calif-ESV		250-25049		250-24987
2012-2010	2.0 L4	E				250-24768		250-24349
2010	2.0 L4	D				250-25017		250-24349
2009	2.0 L4	D, E		From 04/03/2009		250-25017		250-24349
2009	2.0 L4	D, E		To 04/03/2009		250-25012		250-24349
2008-2004	2.0 L4	D				250-25012		250-24349
2003-2001	2.0 L4		G4CP			250-24438		250-24349
2000-1999	2.0 L4	F	G4CP			250-24357		250-24356

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
HYUNDAI (cont'd)								
Elantra Coupe								
2013	1.8 L4			Calif-ESV		250-25034		250-24988
2013	1.8 L4			Non Calif-ESV		250-25049		250-24987
2014	2.0 L4			Calif-ESV		250-25034		250-24988
2014	2.0 L4			Non Calif-ESV		250-25049		250-24987
Elantra GT								
2013	1.8 L4			Calif-ESV		250-25034		250-24988
2013	1.8 L4			Non Calif-ESV		250-25049		250-24987
2014	2.0 L4			Calif-ESV		250-25034		250-24988
2014	2.0 L4			Non Calif-ESV		250-25049		250-24987
Entourage								
2008-2007	3.8 V6	3			Front Rear	250-24690 250-24690		250-24690 250-24707
Equus								
2011	4.6 V8	F			Left Right	250-24849 250-24849		250-24849 250-24849
2014-2012	5.0 V8	H			Left Right	250-24849 250-24849		250-24849 250-24849
Excel								
1994	1.5 L4	J				250-24280		250-24289
1993	1.5 L4	J		Calif-ESV		250-24280		250-24289
1993	1.5 L4	J		Non Calif-ESV , From 07/16/93		250-24280		250-24289
1993	1.5 L4	J		Non Calif-ESV , To 07/16/93		250-21007		250-24289
1992	1.5 L4	J		Calif-ESV , From 7/1/92		250-24280		250-24289
1992	1.5 L4	J		Calif-ESV , To 7/1/92		250-22002		250-24289
1992	1.5 L4	J		Non Calif-ESV		250-21007		250-24289
1991-1990	1.5 L4	J		Calif-ESV		250-22002		
1991-1990	1.5 L4	J		Non Calif-ESV		250-21007		
1989-1988	1.5 L4	J				250-21005		
1987	1.5 L4	J		From 6/87		250-21005		
1987	1.5 L4	J		To 5/87		250-21007		
1986	1.5 L4	J				250-21007		
Genesis								
2014-2012	3.8 V6	D			Left Right	250-24908 250-241034		250-24909 250-24909
2011-2009	3.8 V6	E			Left Right	250-24739 250-24707		250-24690 250-24690
2012-2009	4.6 V8	F			Left Right	250-24849 250-24849		250-24849 250-24849
2014-2012	5.0 V8	H			Left Right	250-24849 250-24849		250-24849 250-24849
Genesis Coupe								
2014-2013	2.0 L4	D	G4KF			250-25017		250-24878
2012-2011	2.0 L4	D				250-24916		250-24878
2010	2.0 L4	D				250-24878		250-24916
2014-2013	3.8 V6	J			Left Right	250-241046 250-241034		250-24909 250-24909
2012-2010	3.8 V6	H			Left Right	250-24690 250-24739		250-24690 250-24690
Santa Fe								
2012-2010	2.4 L4	B				250-25062		250-24878
2004-2002	2.4 L4					250-241124		250-24368
2001	2.4 L4			From 7/01/00		250-241124		250-24368
2009-2007	2.7 V6	D			Front Rear	250-24461 250-24461		250-24462 250-24462
2006-2003	2.7 V6	D			Front Rear	250-24461 250-24461		250-24461 250-24783
2002-2001	2.7 V6				Front Rear	250-24517 250-24517		250-24517 250-24518
2014-2013	3.3 V6			AWD	Front	250-24908		250-24909
				AWD	Rear	250-24908		250-24688
2014-2013	3.3 V6			FWD	Front	250-24908		250-24909
				FWD	Rear	250-241034		250-24688
2009-2007	3.3 V6	E			Front Rear	250-24690 250-24739		250-24690 250-24707

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
HYUNDAI (cont'd)								
Santa Fe (cont'd)								
2012-2010	3.5 V6	G			Front Rear	250-24908 250-24908		250-24909 250-24688
2006-2003	3.5 V6	E			Front Rear	250-24462 250-24462		250-24658 250-24658
Santa Fe Sport								
2014-2013	2.0 L4	A				250-25062		250-241146
2014-2013	2.4 L4					250-25062		250-24878
Scoupe								
1995-1994	1.5 L4	J				250-23123		
1995-1994	1.5 L4	N				250-23132		
1993-1991	1.5 L4	J		Calif-ESV		250-22002		
1993-1991	1.5 L4	J		Non Calif-ESV		250-21007		
1993	1.5 L4	J, N				250-23102		
Sonata								
2014-2013	2.0 L4					250-25062		250-24913
2012	2.0 L4	B		Turbo		250-25062		250-24913
2011	2.0 L4	B		From 01/25/2011		250-25062		250-24913
2011	2.0 L4	B		To 01/25/2011		250-25017		250-24913
1998-1997	2.0 L4	F	G4CP	Calif-ESV		250-24383		250-24383
1998-1997	2.0 L4	F	G4CP	Non Calif-ESV		250-24280		250-24289
1996	2.0 L4	F				250-24280		250-24289
1995-1994	2.0 L4	F		Calif-ESV		250-24280		250-24289
1995-1994	2.0 L4	F		Non Calif-ESV		250-24280		
1993-1992	2.0 L4	F				250-24091		
2014	2.4 L4					250-25062		250-24878
2013-2010	2.4 L4	C		Calif-ESV		250-25062		250-24878
2013-2010	2.4 L4	C		Non Calif-ESV		250-25017		250-24913
2009-2006	2.4 L4	C				250-24688		250-24687
2005-2002	2.4 L4	S				250-241124		250-24368
2001-1999	2.4 L4	S		Calif-ESV		250-241124		250-24368
2001-1999	2.4 L4	S		Non Calif-ESV		250-24422		250-24289
1991	2.4 L4	S		Non Calif-ESV		250-22002		
1990-1989	2.4 L4	S		Calif-ESV		250-22002		
1990	2.4 L4	S		Non Calif-ESV , From 7/1/90		250-22002		
1990	2.4 L4	S		Non Calif-ESV , To 7/1/90		250-21007		
1989	2.4 L4	S		Non Calif-ESV		250-21007		
2001-1999	2.5 V6	V			Front Rear	250-24517 250-24517		250-24517 250-24518
2005-2003	2.7 V6				Front Rear	250-24461 250-24461		250-24461 250-24783
2002	2.7 V6			From 8/16/02	Front	250-24461		250-24461
2002	2.7 V6			From 8/16/02	Rear	250-24461		250-24783
2002	2.7 V6			To 8/16/02	Front	250-24517		250-24517
2002	2.7 V6			To 8/16/02	Rear	250-24517		250-24518
1998-1996	3.0 V6	T	G6AT			250-24280		250-24289
1995-1994	3.0 V6	T		Calif-ESV		250-24280		250-24289
1995-1994	3.0 V6	T		Non Calif-ESV		250-24280		
1993-1990	3.0 V6	T				250-24009		
2010-2006	3.3 V6	F			Front Rear	250-24690 250-24690		250-24690 250-24707
Tiburon								
1997	1.8 L4	M				250-24351		250-24379
2008-2007	2.0 L4	D				250-24768		250-24349
2006-2003	2.0 L4	D				250-24438		250-24349
2001-1998	2.0 L4	F	G4CP			250-24357		250-24356
1997	2.0 L4	F				250-24351		250-24379
2008-2003	2.7 V6	F			Front Rear	250-24461 250-24461		250-24461 250-24783
Tucson								
2014	2.0 L4					250-25062		250-24878
2013-2011	2.0 L4	B		Calif-ESV		250-25062		250-24878
2013-2011	2.0 L4	B		Non Calif-ESV		250-25065		250-24864
2009-2005	2.0 L4	B				250-24438		250-24349
2014	2.4 L4					250-25062		250-24878

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
HYUNDAI (cont'd)								
Tucson (cont'd)								
2013-2010	2.4 L4	C		Calif-ESV		250-25062		250-24878
2013	2.4 L4			Non Calif-ESV		250-25065		250-24864
2012	2.4 L4	C		Exc.Calif-ESV		250-25065		250-24864
2011-2010	2.4 L4	C		Non Calif-ESV		250-25065		250-24864
2009-2005	2.7 V6	D			Front Rear	250-24461 250-24461		250-24461 250-24783
Veloster								
2014-2012	1.6 L4	D				250-25035		250-24982
Veracruz								
2012-2007	3.8 V6	C			Front Rear	250-24690 250-24739		250-24690 250-24707
XG300								
2001	3.0 V6				Front Rear	250-24422 250-24422		250-24383 250-241124
XG350								
2005-2004	3.5 V6				Front Rear	250-24462 250-24462		250-24658 250-24422
2003	3.5 V6			From 02/01/03 From 02/01/03	Front Rear	250-24462 250-24462		250-24658 250-24422
2003	3.5 V6			To 02/01/03 To 02/01/03	Front Rear	250-24462 250-24462		250-24383 250-24422
2002	3.5 V6				Front Rear	250-24462 250-24462		250-24383 250-24422
INFINITI								
EX35								
2012-2011	3.5 V6				Left Right	250-54102 250-54102		250-24741 250-24741
2010-2008	3.5 V6		VQ35HR		Left Right	250-54035 250-54035		250-24741 250-24741
EX37								
2013	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
FX35								
2012	3.5 V6				Left Right	250-54102 250-54102		250-24741 250-24741
2011	3.5 V6		VQ35HR	To 11/2010 To 11/2010	Left Right	250-54035 250-54035		250-24741 250-24741
2010-2009	3.5 V6		VQ35HR		Left Right	250-54035 250-54035		250-24741 250-24741
2008-2007	3.5 V6		VQ35DE		Left Right	250-25005 250-25005		250-24741 250-24741
2006-2004	3.5 V6		VQ35DE		Left Right	250-25005 250-25005		250-24448 250-24403
2003	3.5 V6		VQ35DE		Left Right	250-24450 250-24450		250-24448 250-24403
FX37								
2013	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
FX45								
2008-2007	4.5 V8		VK45DE		Left Right	250-25005 250-25005		250-24448 250-24403
2006	4.5 V8		VK45DE	From 11/2005 From 11/2005	Left Right	250-25005 250-25005		250-24448 250-24403
2006	4.5 V8		VK45DE	To 11/2005 To 11/2005	Left Right	250-24450 250-24452		250-24448 250-24403
2005-2003	4.5 V8		VK45DE		Left Right	250-24450 250-24452		250-24403 250-24448
FX50								
2013	5.0 V8				Left Right	250-54104 250-54104		250-24741 250-24741
2012-2009	5.0 V8		VK50VE		Left Right	250-54089 250-54089		250-24741 250-24741
G20								
2002	2.0 L4		SR20DE			250-23159		250-24437

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
INFINITI (cont'd)								
G20 (cont'd)								
2001	2.0 L4		SR20DE	From 01/01		250-23159		250-24437
2001	2.0 L4		SR20DE	To 01/01		250-23121		250-24434
2000	2.0 L4		SR20DE			250-23121		250-24434
1999	2.0 L4	C	SR20DE			250-23089		250-24397
1996-1994	2.0 L4	C	SR20DE			250-23089		250-23507
1993-1991	2.0 L4	C	SR20DE			250-23089		
G25								
2012-2011	2.5 V6				Left Right	250-54103 250-54103		250-24741 250-24741
G35								
2008	3.5 V6		VQ35HR		Left Right	250-54035 250-54035		250-24741 250-24741
2007	3.5 V6		VQ35DE		Left Right	250-25005 250-25005		250-24741 250-24741
2007	3.5 V6		VQ35HR		Left Right	250-54109 250-54109		250-24741 250-24741
2006-2004	3.5 V6		VQ35DE		Left Right	250-25005 250-25005		250-24448 250-24403
2003	3.5 V6		VQ35DE		Left Right	250-24450 250-24450		250-24448 250-24403
G37								
2013-2011	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
2010-2009	3.7 V6		VQ37VHR		Left Right	250-54035 250-54035		250-24741 250-24741
2008	3.7 V6		VQ37VHR		Left Right	250-54036 250-54036		250-24741 250-24741
I30								
2001-2000	3.0 V6		VQ30DE		Front Rear	250-23121 250-23133		250-24284 250-24286
1999	3.0 V6	C	VQ30DE	Calif-ESV Calif-ESV	Front Rear	250-23089 250-23089		250-24284 250-24286
1999	3.0 V6	C	VQ30DE	Non Calif-ESV Non Calif-ESV	Front Rear	250-23104 250-23104		•250-24397
1998-1997	3.0 V6	C	VQ30DE		Front Rear	250-23104 250-23104		•250-24397
1996	3.0 V6	C	VQ30DE		Front Rear	250-23104 250-23104		•250-23505
I35								
2004-2002	3.5 V6		VQ35DE		Front Rear	250-23131 250-23131		250-24285 250-24418
J30								
1997-1996	3.0 V6	A	VG30DE		Left Right	250-23104 250-23104		250-24636 250-24637
1995-1993	3.0 V6	A	VG30DE		Left Right	250-23087 250-23087		
JX35								
2013	3.5 V6				Left Right	250-54102 250-54102		250-241106 250-241108
M30								
1992-1990	3.0 V6	H	VG30E			250-23510		
M35								
2010-2009	3.5 V6		VQ35HR		Left Right	250-54035 250-54035		250-24741 250-24741
2008-2007	3.5 V6		VQ35DE		Left Right	250-25005 250-25005		250-24741 250-24741
2006	3.5 V6		VQ35DE		Left Right	250-25005 250-25005		250-24448 250-24403
M35h								
2013-2012	3.5 V6				Left Right	250-54102 250-54102		250-241104 250-241104
M37								
2013-2012	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
INFINITI (cont'd)								
M37 (cont'd)								
2011	3.7 V6			From 04/2011 From 04/2011	Left Right	250-54102 250-54102		250-24741 250-24741
2011	3.7 V6			To 04/2011 To 04/2011	Left Right	250-54035 250-54035		250-24741 250-24741
M45								
2010-2006	4.5 V8		VK45DE		Left Right	250-25005 250-25005		250-24448 250-24403
2004-2003	4.5 V8		VK45DE		Left Right	250-24450 250-24452		250-24448 250-24403
M56								
2013-2011	5.6 V8		VK56VDS		Left Right	250-25105 250-25105		250-24741 250-24741
Q40								
2015	3.7 V6		VQ37VHR	From 06/2014 From 06/2014	Left Right	250-54105 250-54105		250-241106 250-241106
2015	3.7 V6		VQ37VHR	To 06/2014 To 06/2014	Left Right	250-54102 250-54102		250-24741 250-24741
Q45								
2001-1999	4.1 V8	B	VH41DE		Left Right	250-23087 250-23087		250-24103 250-24103
1998	4.1 V8	B	VH41DE		Left Right	250-23087 250-23087		•250-24103
1997	4.1 V8	B	VH41DE		Left Right	250-23087 250-23089		250-24103 250-24103
2006	4.5 V8		VK45DE	From 12/2005 From 12/2005	Left Right	250-25005 250-25005		250-24448 250-24403
2006	4.5 V8		VK45DE	To 12/2005 To 12/2005	Left Right	250-24450 250-24452		250-24448 250-24403
2005-2002	4.5 V8		VK45DE		Left Right	250-24450 250-24452		250-24448 250-24403
1996	4.5 V8	N	VH45DE		Left Right	250-23089 250-23087		250-24499 250-24138
1995-1991	4.5 V8	N	VH45DE		Left Right	250-23089 250-23087		
1990	4.5 V8	N	VH45DE		Left Right	250-23089 250-23089		
Q50								
2016-2014	3.5 V6		VQ35HR		Left Right	250-54105 250-54105		250-241104 250-241104
2015-2014	3.7 V6		VQ37VHR		Left Right	250-54105 250-54105		250-241106 250-241106
Q60								
2015	3.7 V6		VQ37VHR	From 06/2014 From 06/2014	Left Right	250-54105 250-54105		250-241106 250-241106
2015	3.7 V6		VQ37VHR	To 06/2014 To 06/2014	Left Right	250-54102 250-54102		250-241106 250-241106
2014	3.7 V6				Left Right	250-54102 250-54102		250-241106 250-241106
Q70								
2015	3.5 V6		VQ35HR		Left Right	250-54105 250-54105		250-241104 250-241104
2014	3.5 V6			From 11/2013 From 11/2013	Left Right	250-54105 250-54105		250-241104 250-241104
2014	3.5 V6			To 11/2013 To 11/2013	Left Right	250-54102 250-54102		250-241104 250-241104
2015	3.7 V6		VQ37VHR		Left Right	250-54105 250-54105		250-241106 250-241106
2014	3.7 V6			From 11/2013 From 11/2013	Left Right	250-54105 250-54105		250-241106 250-241106
2014	3.7 V6			To 11/2013 To 11/2013	Left Right	250-54102 250-54102		250-24741 250-24741
2014	5.6 V8				Left Right	250-25105 250-25105		250-24741 250-24741
Q70L								
2015	3.7 V6		VQ37VHR		Left Right	250-54105 250-54105		250-241106 250-241106

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
INFINITI (cont'd)								
QX4								
2000-1997	3.3 V6	A	VG33E		Left Right	250-23109 250-23089		250-24101 250-24102
2003-2002	3.5 V6		VQ35DE		Left Right	250-23122 250-23131		250-24449 250-24285
2001	3.5 V6		VQ35DE	From 9/2001 From 9/2001	Left Right	250-23122 250-23131		250-24449 250-24285
2001	3.5 V6		VQ35DE	To 9/2001 To 9/2001	Left Right	250-23135 250-23133		250-24435 250-24286
QX50								
2015	3.7 V6		VQ37VHR		Left Right	250-54105 250-54105		250-241106 250-241106
2014	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
QX56								
2013-2011	5.6 V8				Left Right	250-25105 250-25105		250-24771 250-24771
2010-2008	5.6 V8		VK56DE		Left Right	250-54037 250-54037		250-24453 250-24453
2007	5.6 V8		VK56DE		Left Right	250-54109 250-54109		250-24453 250-24453
2006-2004	5.6 V8		VK56DE		Left Right	250-25005 250-25005		250-24453 250-24453
QX60								
2015	3.5 V6		VQ35DE	From 09/2014 From 09/2014	Left Right	250-54105 250-54105		250-241151 250-241151
2015	3.5 V6		VQ35DE	To 09/2014 To 09/2014	Left Right	250-54102 250-54102		250-241106 250-241108
2014	3.5 V6				Left Right	250-54102 250-54102		250-241106 250-241108
QX70								
2015	3.7 V6		VQ37VHR		Left Right	250-54105 250-54105		250-241106 250-241106
2014	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
2014	5.0 V8				Left Right	250-54104 250-54104		250-24741 250-24741
QX80								
2015	5.6 V8		VK56VD	From 08/2014 From 08/2014	Left Right	250-54105 250-54105		250-24771 250-24771
2015	5.6 V8		VK56VD	To 08/2014 To 08/2014	Left Right	250-25105 250-25105		250-24771 250-24771
2014	5.6 V8				Left Right	250-25105 250-25105		250-24771 250-24771
ISUZU								
Amigo								
2000-1998	2.2 L4					250-24012		250-24012
1993-1989	2.3 L4					250-21001		
1994-1993	2.6 L4					250-23004		
1992-1989	2.6 L4					250-21001		
2000-1998	3.2 V6				Left Right	250-24012 250-24012		250-24012 250-24012
Ascender								
2008-2007	4.2 L6	S				250-24698		250-24708
2006	4.2 L6	S				250-24698		250-24703
2005-2004	4.2 L6	S				250-24654		250-24339
2003	4.2 L6	S				250-24355		250-24339
2006	5.3 V8	M		1st Design - Downstream Square Connector	Left	250-24704		250-24339
				1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M		2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
				2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
2005	5.3 V8	M			Left Right	250-24470 250-24470		250-24836 250-24836
2004-2003	5.3 V8	P			Left Right	250-24269 250-24269		250-24836 250-24836

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
ISUZU (cont'd)								
Axiom								
2004	3.5 V6	Y	6VE1		Left Right	250-24269 250-24269		250-24269 250-24269
2003-2002	3.5 V6	X	6VE1		Left Right	250-24490 250-24490		250-24490 250-24490
Hombre								
2000-1999	2.2 L4	4				250-21028		250-24340
1998-1997	2.2 L4	4				250-21001		250-24340
1996	2.2 L4	4				250-21001		250-24012
2000	4.3 V6	W			Left Right	250-24012 250-24012		•250-24012
1999-1997	4.3 V6	X			Left Right	250-24012 250-24012		250-24012 250-24012
i-280								
2006	2.8 L4	8				250-24698		250-24703
i-290								
2008-2007	2.9 L4	9				250-24698		250-24708
i-350								
2006	3.5 L5	6				250-24698		250-24703
i-370								
2008-2007	3.7 L5	E				250-24698		250-24708
I-Mark								
1989-1985	1.5 L4					250-21001		
1989	1.6 L4					250-21001		
1984-1982	1.8 L4					250-21001		
Impulse								
1992-1990	1.6 L4					250-23004		
1992	1.8 L4					250-24389		
1987-1983	1.9 L4					250-21001		
1989-1985	2.0 L4	F				250-21001		
1989-1988	2.3 L4					250-21001		
Oasis								
1997-1996	2.2 L4					250-24011		250-24121
1999-1998	2.3 L4					250-24011		250-24121
Pickup								
1982	1.8 L4			Calif-ESV		250-21001		
1987-1983	1.9 L4			Calif-ESV		250-21001		
1995	2.3 L4					250-23004		
1994-1988	2.3 L4					250-21001		
1987-1986	2.3 L4			Calif-ESV		250-21001		
1995-1994	2.6 L4					250-23004		
1993	2.6 L4			2WD, From 10/92		250-21001		
1993	2.6 L4			4WD, From 10/92		250-23004		
1993	2.6 L4			To 9/92		250-21001		
1992-1988	2.6 L4					250-21001		
1994-1991	3.1 V6					250-21001		
Rodeo								
2003-1998	2.2 L4					250-24012		250-24012
1997-1996	2.6 L4					250-24012		250-24012
1995	2.6 L4			From 3/95		250-24012		
1995	2.6 L4			To 3/95		250-23004		
1994	2.6 L4					250-23004		
1993	2.6 L4			From 11/92		250-23004		
1993	2.6 L4			To 10/92		250-21001		
1992-1991	2.6 L4					250-21001		
1992-1991	3.1 V6					250-21001		
2004-2002	3.2 V6				Left Right	250-24269 250-24269		250-24269 250-24269
2001	3.2 V6				Left Right	250-24490 250-24490		250-24490 250-24490
2000-1996	3.2 V6				Left Right	250-24012 250-24012		250-24012 250-24012
1995-1993	3.2 V6					250-24389		

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
ISUZU (cont'd)								
Rodeo (cont'd)								
2004	3.5 V6				Left Right	250-24269 250-24269		250-24269 250-24269
Rodeo Sport								
2003-2001	2.2 L4	D	X22SE			250-24012		250-24012
2003-2002	3.2 V6	W	6VD1		Left Right	250-24269 250-24269		250-24269 250-24269
2001	3.2 V6	W	6VD1		Left Right	250-24490 250-24490		250-24490 250-24490
Stylus								
1993-1992	1.6 L4	6				250-21001		
1991	1.6 L4	5		DOHC Engine		250-23004		
1991	1.6 L4	6		SOHC Engine		250-21001		
1992	1.8 L4	8				250-24389		
Trooper								
1985-1984	1.9 L4					250-21001		
1987-1986	2.3 L4					250-21001		
1991-1988	2.6 L4					250-21001		
1991-1989	2.8 V6					250-21001		
1997-1996	3.2 V6				Left Right	250-24012 250-24012		250-24012 250-24012
1995-1992	3.2 V6					250-24389		
2002-2000	3.5 V6				Left Right	250-24490 250-24490		250-24490 250-24490
1999-1998	3.5 V6				Left Right	250-24012 250-24012		250-24012 250-24012
VehiCROSS								
2001-1999	3.5 V6				Left Right	250-24012 250-24012		250-24012 250-24012
JAGUAR								
F-Type								
2016	3.0 V6	6, T		A/T Only A/T Only	Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2016	3.0 V6	C, U		AWD: A/T Only AWD: A/T Only	Left Right	250-25108 250-25108	250-241139 250-241138	250-241195 250-241198
2016	3.0 V6	C, U		RWD: A/T Only RWD: A/T Only	Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2015-2014	3.0 V6	7, C, T, U			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2016	5.0 V8	8		Model: Project 7 Model: Project 7	Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2016	5.0 V8	L		Model R Model R	Left Right	250-25108 250-25108	250-241139 250-241138	250-241195 250-241198
2015-2014	5.0 V8	A, L			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
S-Type								
2008-2007	3.0 V6				Left Right	250-54032 250-54032		250-24730 250-24730
2006	3.0 V6			From Chassis #N52048 From Chassis #N52048	Left Right	250-54032 250-54032		250-24730 250-24730
2006	3.0 V6			To Chassis #N52047 To Chassis #N52047	Left Right	250-54018 250-54018		250-24439 250-24439
2005-2003	3.0 V6				Left Right	250-54018 250-54018		250-24439 250-24439
2002-2000	3.0 V6				Left Right	250-24749 250-24749		250-24001 250-24001
2002-2000	4.0 V8				Left Right	250-24749 250-24749		250-24001 250-24001
2008-2007	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2006	4.2 V8			From Chassis #N52048 From Chassis #N52048	Left Right	250-54032 250-54032		250-24730 250-24730
2006	4.2 V8			To Chassis #N52047 To Chassis #N52047	Left Right	250-54018 250-54018		250-24439 250-24439
2005-2003	4.2 V8				Left Right	250-54018 250-54018		250-24439 250-24439

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
JAGUAR (cont'd)								
Super V8								
2009-2006	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2005	4.2 V8				Left Right	250-54018 250-54018		250-24439 250-24439
Vanden Plas								
1989-1988	3.6 L6					250-23048		
1997-1996	4.0 L6				Cyl 1-3 Cyl 4-6	250-24817 250-24817		250-24817 250-24817
1995	4.0 L6				Cyl 1-3 Cyl 4-6	250-24817 250-24817		
1994-1992	4.0 L6					250-23019		
1991-1990	4.0 L6					250-23048		
2003-1999	4.0 V8				Left Right	250-54053 250-54053		250-24439 250-24439
1998	4.0 V8				Left Right	250-24485 250-24485		250-22014 250-22014
1987-1986	4.2 L6			1 Wire Sensor		250-21013		
1987-1986	4.2 L6			3 Wire Sensor		250-23048		
1985-1982	4.2 L6					250-21011		
2009-2007	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2006	4.2 V8				Left Right	250-54018 250-54018		250-24730 250-24730
2005-2004	4.2 V8				Left Right	250-54018 250-54018		250-24439 250-24439
XF								
2014-2013	2.0 L4					250-25049		250-241071
2014-2013	3.0 V6	F, X		AWD AWD	Left Right	250-25108 250-25108	250-241139 250-241139	250-241138 250-241138
2014-2013	3.0 V6	F, X		RWD RWD	Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2010-2009	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2014-2013	5.0 V8	P			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2012	5.0 V8				Left Right	250-54042 250-54042		250-24482 250-24482
2011	5.0 V8			From Chassis/VIN R47154 From Chassis/VIN R47154	Left Right	250-54042 250-54042		250-24482 250-24482
2011	5.0 V8			To Chassis/VIN R47153 To Chassis/VIN R47153	Left Right	250-54032 250-54032		250-24730 250-24730
2010	5.0 V8				Left Right	250-54032 250-54032		250-24730 250-24730
XFR								
2014-2013	5.0 V8	H			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2012	5.0 V8				Left Right	250-54042 250-54042		250-24482 250-24482
2011	5.0 V8			From Chassis # R47154 From Chassis # R47154	Left Right	250-54042 250-54042		250-24482 250-24482
2011	5.0 V8			To Chassis # R47153 To Chassis # R47153	Left Right	250-54032 250-54032		250-24730 250-24730
2010	5.0 V8				Left Right	250-54032 250-54032		250-24730 250-24730
XFR-S								
2014-2013	5.0 V8	Z			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
XJ								
2014-2013	3.0 V6	D, Z		AWD AWD	Left Right	250-25108 250-25108	250-241139 250-241139	250-241138 250-241138
2014-2013	3.0 V6	D, Z		RWD RWD	Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2014-2013	5.0 V8	T			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
2012-2011	5.0 V8				Left Right	250-54042 250-54042		250-24482 250-24482

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
JAGUAR (cont'd)								
XJ6								
1989-1988	3.6 L6					250-23048		
1997-1996	4.0 L6				Cyl 1-3	250-24817		250-24817
					Cyl 4-6	250-24817		250-24817
1995	4.0 L6				Cyl 1-3	250-24817		
					Cyl 4-6	250-24817		
1994-1992	4.0 L6					250-23019		
1991-1990	4.0 L6					250-23048		
1987-1986	4.2 L6					250-23048		
1985-1980	4.2 L6					250-21011		
1979	4.2 L6			w/ OEM # 7014S410		250-21011		
1979	4.2 L6			w/ OEM # 7021T588		250-21015		
1979	4.2 L6			w/ OEM # 70323071		250-21013		
1979	4.2 L6			w/ OEM # 70425L73		250-21011		
1978	4.2 L6			w/ OEM # 7017E117		250-21015		
1978	4.2 L6			w/ OEM # 7024N816		250-21013		
1978	4.2 L6			w/ OEM # 70340F99		250-21015		
1978	4.2 L6			w/ OEM # 70437R41		250-21011		
1977	4.2 L6			w/ OEM # 7014O990		250-21013		
1977	4.2 L6			w/ OEM # 7024M219		250-21011		
1977	4.2 L6			w/ OEM # 70347W18		250-21013		
1977	4.2 L6			w/ OEM # 70447A89		250-21015		
1976	4.2 L6			w/ OEM # 7014L152		250-21013		
1976	4.2 L6			w/ OEM # 7021K441		250-21011		
1976	4.2 L6			w/ OEM # 70353E72		250-21015		
1976	4.2 L6			w/ OEM # 70457R89		250-21011		
XJ8								
2003-1999	4.0 V8				Left	250-54053		250-24439
					Right	250-54053		250-24439
1998	4.0 V8				Left	250-24485		250-22014
					Right	250-24485		250-22014
2009-2006	4.2 V8				Left	250-54032		250-24730
					Right	250-54032		250-24730
2005	4.2 V8			From Chassis/VIN #G49701	Left	250-54032		250-24730
				From Chassis/VIN #G49701	Right	250-54032		250-24730
2005	4.2 V8			To Chassis/VIN #G49700	Left	250-54018		250-24439
				To Chassis/VIN #G49700	Right	250-54018		250-24439
2004	4.2 V8				Left	250-54018		250-24439
					Right	250-54018		250-24439
XJ12								
1996-1995	6.0 V12	3			Left	250-24404		250-24646
					Right	250-24404		250-24646
1994	6.0 V12	3			Left	250-23019		
					Right	250-23019		
XJR								
1997-1996	4.0 L6				Left	250-24817		250-24817
					Right	250-24817		250-24817
1995	4.0 L6					250-24817		250-24817
2003-1999	4.0 V8				Left	250-54053		250-24439
					Right	250-54053		250-24439
1998	4.0 V8				Left	250-24485		250-22014
					Right	250-24485		250-22014
2009-2006	4.2 V8				Left	250-54032		250-24730
					Right	250-54032		250-24730
2005	4.2 V8			From Chassis #G49701	Left	250-54032		250-24730
				From Chassis #G49701	Right	250-54032		250-24730
2005	4.2 V8			To Chassis #G49700	Left	250-54018		250-24439
				To Chassis #G49700	Right	250-54018		250-24439
2004	4.2 V8				Left	250-54018		250-24439
					Right	250-54018		250-24439
2014	5.0 V8	K			Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
XJRS								
1993	6.0 V12	3				250-23019		
XJS								
1996-1995	4.0 L6				Cyl 1-3	250-24817		250-24817
					Cyl 4-6	250-24817		250-24817

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
JAGUAR (cont'd)								
XJS (cont'd)								
1994	4.0 L6				Cyl 1-3 Cyl 4-6	250-23019 250-23019		
1993	4.0 L6			From Chassis # 190528 From Chassis # 190528	Cyl 1-3 Cyl 4-6	250-23019 250-23019		
1993	4.0 L6			To Chassis # 190527 To Chassis # 190527	Cyl 1-3 Cyl 4-6	250-23048 250-23048		
1992-1980	5.3 V12					250-23048		
1995	6.0 V12				Left Right	250-24404 250-24404		250-24646 250-24646
1994	6.0 V12				Left Right	250-23019 250-23019		
XK								
2009-2007	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2015-2010	5.0 V8				Left Right	250-54042 250-54042		250-24482 250-24482
XK8								
2002-2000	4.0 V8				Left Right	250-54053 250-54053		250-24439 250-24439
1999	4.0 V8			From Chassis #V031303 From Chassis #V031303	Left Right	250-54053 250-54053		250-24439 250-24439
1999	4.0 V8			To Chassis #V031302 To Chassis #V031302	Left Right	250-24485 250-24485		250-24439 250-24439
1998-1997	4.0 V8				Left Right	250-24485 250-24485		250-24439 250-24439
2006-2003	4.2 V8				Left Right	250-54018 250-54018		250-24439 250-24439
XKR								
2002-2000	4.0 V8				Left Right	250-54053 250-54053		250-24439 250-24439
2009-2007	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2006-2003	4.2 V8				Left Right	250-54018 250-54018		250-24439 250-24439
2015-2010	5.0 V8				Left Right	250-54042 250-54042		250-24482 250-24482
XKR-S								
2015-2012	5.0 V8				Left Right	250-54042 250-54042		250-24482 250-24482
X-Type								
2005-2002	2.5 V6				Left Right	250-54018 250-54018		250-24439 250-24439
2008-2002	3.0 V6				Left Right	250-54018 250-54018		250-24439 250-24439
JEEP								
Cherokee								
2018-2014	2.4 L4	B	ED6, ED8			250-25128		250-24680
2000-1996	2.5 L4	P				250-24942		250-24942
1995-1991	2.5 L4	P				250-24004		
1990-1987	2.5 L4	E, H				250-23500		
1986-1984	2.5 L4					250-21004		
1986-1984	2.8 V6	W				250-21001		
2018-2014	3.2 V6	S, X	EHB, EHK		Front Rear	250-24253 250-24680		250-24680 250-24680
2001-2000	4.0 L6	S			Cyl 1-3 Cyl 4-6	250-24943 250-24942		250-24942 250-24942
1999-1996	4.0 L6	S				250-24943		250-24942
1995-1991	4.0 L6	S				250-24002		
1990-1987	4.0 L6					250-23501		
1983-1981	4.2 L6	C				250-21004		
CJ5								
1983	2.5 L4	B				250-21004		
1982-1980	2.5 L4					250-22001		
1983-1981	4.2 L6	C				250-21004		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
JEEP (cont'd)								
CJ7								
1986-1983	2.5 L4					250-21004		
1982-1980	2.5 L4					250-22001		
1986-1981	4.2 L6					250-21004		
Comanche								
1992-1991	2.5 L4					250-24004		
1990-1986	2.5 L4					250-23500		
1986	2.8 V6					250-21001		
1992-1991	4.0 L6					250-24002		
1990-1987	4.0 L6					250-23501		
Commander								
2010-2007	3.7 V6				Left	250-24253		250-24253
					Right	250-24253		250-24253
2006	3.7 V6				Left	250-24680		250-24253
					Right	250-24680		250-24253
2009-2008	4.7 V8	N, P			Left	250-24253		250-24253
					Right	250-24253		250-24253
2007-2006	4.7 V8	N, P			Left	250-241117		250-241117
					Right	250-241117		250-241117
2010-2007	5.7 V8				Left	250-24253		250-24253
					Right	250-24253		250-24253
2006	5.7 V8				Left	250-24680		250-24253
					Right	250-24680		250-24253
Compass								
2017-2011	2.0 L4	A	ECN			250-24253		250-24253
2010-2007	2.0 L4					250-24675		250-24675
2018	2.4 L4	B	EDD			250-25128		250-24680
2017-2011	2.4 L4	B	ED3			250-24253		250-24253
2010-2007	2.4 L4					250-24675		250-24675
Grand Cherokee								
2018-2014	3.0 V6	M	EXF			Diesel		250-25108
2009-2007	3.0 V6	M				Diesel		
2018	3.6 V6	G	ERC		Left	250-24680		250-25042
					Right	250-24680		250-24253
2017-2014	3.6 V6	G	ERB, ERC		Left	250-24253		250-24680
					Right	250-24680		250-24253
2013	3.6 V6	G	ERB		Left	250-24253		250-24680
					Right	250-24680		250-24680
2012-2011	3.6 V6	G	ERB		Left	250-24680		250-24680
					Right	250-24680		250-24680
2010-2007	3.7 V6				Left	250-24253		250-24253
					Right	250-24253		250-24253
2006-2005	3.7 V6				Left	250-24680		250-24253
					Right	250-24680		250-24253
2004	4.0 L6				Cyl 1-3	250-24460		250-24259
					Cyl 4-6	250-24253		250-24259
2003-2001	4.0 L6				Cyl 1-3	250-24259		250-24259
					Cyl 4-6	250-24345		250-24259
2000	4.0 L6					250-24943		250-24943
1999	4.0 L6					250-24942		250-24943
1998-1996	4.0 L6					250-24076		250-24942
1995-1993	4.0 L6					250-24003		
2009-2008	4.7 V8				Left	250-24253		250-24253
					Right	250-24253		250-24253
2007-2005	4.7 V8				Left	250-241117		250-241117
					Right	250-241117		250-241117
2004-2001	4.7 V8				Left	250-24249		250-24249
					Right	250-24276		250-24249
2000-1999	4.7 V8					250-24947		250-24947
1998-1996	5.2 V8				Left	250-24942		•250-24942
					Right	250-24942		
1995-1993	5.2 V8					250-24002		
2018-2012	5.7 V8	T	EZH		Left	250-24680		250-24680
					Right	250-24680		250-24680
2011	5.7 V8	T	EZH		Left	250-24460		250-24460
					Right	250-24460		250-24460
2010-2007	5.7 V8				Left	250-24253		250-24253
					Right	250-24253		250-24253

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
JEEP (cont'd)								
Grand Cherokee (cont'd)								
2006-2005	5.7 V8				Left Right	250-24680 250-24680		250-24253 250-24253
1998	5.9 V8				Left Right	250-24942 250-24942		•250-24942
2010-2007	6.1 V8				Left Right	250-24253 250-24253		250-24253 250-24253
2006	6.1 V8				Left Right	250-24680 250-24680		250-24253 250-24253
2018-2014	6.4 V8	J	ESG		Left Right	250-24253 250-24253		250-24680 250-24253
2013-2012	6.4 V8	J	ESG		Left Right	250-24253 250-24253		250-24253 250-24253
Grand Wagoneer								
1986-1984	4.2 L6	C				250-21004		
1993	5.2 V8	Y				250-24002		
J10								
1987	4.2 L6	C				250-21001		
1986-1981	4.2 L6	C				250-21004		
Liberty								
2005	2.4 L4	1				250-24253		250-24253
2004	2.4 L4	1				250-24253		250-24460
2003-2002	2.4 L4	1				250-24345		250-24345
2012-2007	3.7 V6	K			Left Right	250-24253 250-24253		250-24253 250-24253
2006-2005	3.7 V6	K			Left Right	250-24680 250-24680		250-24253 250-24253
2004	3.7 V6	K			Left Right	250-24253 250-24253		250-24345 250-24345
2003-2002	3.7 V6	K			Left Right	250-24345 250-24345		250-24345 250-24259
Patriot								
2017-2011	2.0 L4	A	ECN			250-24253		250-24253
2010-2007	2.0 L4					250-24675		250-24675
2017-2011	2.4 L4	B	ED3			250-24253		250-24253
2010-2007	2.4 L4					250-24675		250-24675
Renegade								
2016-2015	1.4 L4	H	EAM			250-25058		250-241003
2018-2015	2.4 L4	T	ED6			250-25128		250-24680
Scrambler								
1985-1983	2.5 L4					250-21004		
1982-1981	2.5 L4					250-22001		
1985-1981	4.2 L6					250-21004		
Wagoneer								
1987	2.5 L4					250-23500		
1986-1984	2.5 L4					250-21004		
1986-1984	2.8 V6					250-21001		
1990-1988	4.0 L6					250-23501		
1987	4.0 L6					250-21001		
1983-1981	4.2 L6					250-21004		
Wrangler								
2006-2005	2.4 L4					250-24253		250-24253
2004-2003	2.4 L4					250-24345		250-24345
2002-2001	2.5 L4					250-24345		250-24345
2000	2.5 L4					250-24943		250-24942
1999	2.5 L4					250-24942		250-24942
1998-1997	2.5 L4					250-24943		250-24942
1995-1991	2.5 L4					250-24004		
1990-1987	2.5 L4					250-23500		
2018-2012	3.6 V6	G	ERB, ERC		Left Right	250-24680 250-24253		250-24253 250-24680
2011	3.8 V6	1			Left Right	250-24253 250-24460		250-24460 250-24253
2010	3.8 V6				Left Right	250-24675 250-24675		250-24460 250-24253

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
JEEP (cont'd)								
Wrangler (cont'd)								
2009-2007	3.8 V6				Left Right	250-24675 250-24675		250-24253 250-24253
2006-2005	4.0 L6				Cyl 1-3 Cyl 4-6	250-24460 250-24680		250-24253 250-24460
2004	4.0 L6				Cyl 1-3 Cyl 4-6	250-24460 250-24253		250-24345 250-24259
2003-2001	4.0 L6				Cyl 1-3 Cyl 4-6	250-24259 250-24345		250-24345 250-24259
2000	4.0 L6			Calif-ESV Calif-ESV	Cyl 1-3 Cyl 4-6	250-24943 250-24942		250-24942 250-24942
2000	4.0 L6			Non Calif-ESV Non Calif-ESV	Cyl 1-3 Cyl 4-6	250-24942 250-24942		250-24942 250-24942
1999-1997	4.0 L6					250-24943		250-24942
1995-1991	4.0 L6					250-24002		
1990-1987	4.2 L6					250-21001		
KIA								
Amanti								
2006-2004	3.5 V6				Front Rear	250-24462 250-24462		250-24658 250-24422
2009-2007	3.8 V6	5			Front Rear	250-24690 250-24690		250-24690 250-24707
Borrego								
2009	3.8 V6	1			Left Right	250-24690 250-24739		250-24690 250-24690
2009	4.6 V8	2			Left Right	250-24849 250-24849		250-24849 250-24849
Cadenza								
2014	3.3 V6				Front Rear	250-24908 250-241034		250-24909 250-241046
Forte								
2014	1.8 L4					250-25034		250-24988
2014	2.0 L4	8			Front Rear	250-25034 250-25049		250-24988 250-24987
2013-2010	2.0 L4	2		Non Calif-ESV		250-25017		250-24864
2013	2.0 L4	2		Calif-ESV , A/T		250-25062		250-24878
2013	2.0 L4	2		Calif-ESV , M/T		250-25017		250-24864
2012	2.0 L4	2		Calif-ESV , A/T		250-25062		250-24878
2012	2.0 L4	2		Calif-ESV , M/T		250-25017		250-24864
2011-2010	2.0 L4	2		Calif-ESV , A/T		250-25062		250-24878
2011-2010	2.0 L4	2		Calif-ESV , M/T		250-25017		250-24864
2013	2.4 L4	3		Calif-ESV , A/T		250-25062		250-24878
2012-2010	2.4 L4	3		Non Calif-ESV		250-25017		250-24864
2012	2.4 L4	3		Calif-ESV , A/T		250-25062		250-24878
2011-2010	2.4 L4	3		Calif-ESV , A/T		250-25062		250-24878
2011-2010	2.4 L4	3		Calif-ESV , M/T		250-25017		250-24864
Forte Koup								
2014	1.6 L4	3				250-25034		250-24982
2014	2.0 L4	8			Front Rear	250-25034 250-25049		250-24988 250-24987
2013-2011	2.0 L4	2		Calif-ESV , M/T		250-25017		250-24864
2013-2010	2.0 L4	2		Calif-ESV , A/T		250-25062		250-24878
2010	2.0 L4			Calif-ESV , M/T		250-25017		250-24864
2010	2.0 L4			Non Calif-ESV		250-25017		250-24864
2013-2011	2.4 L4			Calif-ESV , M/T		250-25017		250-24864
2013-2010	2.4 L4			Calif-ESV , A/T		250-25062		250-24878
2013-2010	2.4 L4			Non Calif-ESV		250-25017		250-24864
2010	2.4 L4			Calif-ESV , M/T		250-25017		250-24864
Optima								
2014-2011	2.0 L4	6				250-25062		250-24913
2014	2.4 L4					250-25062		250-24878
2013-2011	2.4 L4	7		Calif-ESV		250-25062	250-24878	250-24913
2013-2011	2.4 L4	7		Non Calif-ESV		250-25017		250-24913
2010-2009	2.4 L4	8				250-25017		250-24864
2008-2006	2.4 L4	3				250-24688		250-24687

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
KIA (cont'd)								
Optima (cont'd)								
2006-2001	2.4 L4	6				250-241124		250-24368
2001	2.5 V6				Front	250-24517		250-24517
					Rear	250-24517		250-24518
2010-2006	2.7 V6	4			Front	250-24461		250-24462
					Rear	250-24461		250-24462
2006-2004	2.7 V6	8			Front	250-24461		250-24461
					Rear	250-24461		250-24783
2003	2.7 V6	8		From 01/06/2003	Front	250-24461		250-24461
				From 01/06/2003	Rear	250-24461		250-24783
2003	2.7 V6	8		To 01/06/2003	Front	250-24517		250-24517
				To 01/06/2003	Rear	250-24517		250-24518
2002	2.7 V6	8			Front	250-24517		250-24517
					Rear	250-24517		250-24518
Rio								
2002-2001	1.5 L4					250-24384		250-24384
2014-2012	1.6 L4	3				250-25035		250-24982
2011-2006	1.6 L4					250-24349		250-24349
2005-2003	1.6 L4					250-24384		250-24384
Rio5								
2011-2006	1.6 L4					250-24349		250-24349
Rondo								
2010-2009	2.4 L4	8, 9				250-25017		250-24864
2008-2007	2.4 L4	5				250-24688		250-24687
2010-2007	2.7 V6	6			Front	250-24461		250-24462
					Rear	250-24461		250-24462
Sedona								
2014	3.5 V6	7			Front	250-24908		250-24909
					Rear	250-241034		250-241046
2012-2011	3.5 V6	7			Front	250-24908		250-24909
					Rear	250-24908		250-24688
2005-2002	3.5 V6				Front	250-24462		250-24383
					Rear	250-24462		250-24383
2010-2007	3.8 V6				Front	250-24690		250-24690
					Rear	250-24690		250-24707
2006	3.8 V6				Front	250-24707		250-24690
					Rear	250-24690		250-24707
Sephia								
1997-1996	1.6 L4					250-23085		250-24128
1995	1.6 L4			1 Wire Sensor		250-21010		
1995	1.6 L4			3 Wire Sensor		250-23085		
1994	1.6 L4					250-21010		
2001-1998	1.8 L4					250-24341		250-24388
1997-1996	1.8 L4					250-24245		250-24292
1995	1.8 L4					250-24245		
Sorento								
2014-2011	2.4 L4	1, 6				250-25062		250-24878
2014	3.3 V6			AWD	Front	250-24908		250-24909
				AWD	Rear	250-24908		250-24688
2014	3.3 V6			FWD	Front	250-24908		250-24909
				FWD	Rear	250-241034		250-24688
2009-2008	3.3 V6				Front	250-24690		250-24707
					Rear	250-24739		250-24740
2013-2011	3.5 V6	2			Front	250-24908		250-24909
					Rear	250-24908		250-24688
2006-2003	3.5 V6				Front	250-24462		250-24658
					Rear	250-24462		250-24658
2009-2007	3.8 V6				Front	250-24690		250-24707
					Rear	250-24739		250-24740
Soul								
2014-2012	1.6 L4	5				250-25035		250-24982
2011	1.6 L4	1				250-24779		250-24990
2010	1.6 L4	1				250-24779		250-24349
2014	2.0 L4	5				250-25049		250-241149
2013-2012	2.0 L4	6				250-25049		250-241040
2011-2010	2.0 L4	2				250-24768		250-24349

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
KIA (cont'd)								
Spectra								
2004-2003	1.8 L4					250-24447		250-24447
2002	1.8 L4			From 05/22/01		250-24447		250-24447
2002	1.8 L4			To 5/22/01		250-24341		250-24388
2001-2000	1.8 L4					250-24341		250-24388
2009-2004	2.0 L4					250-25012		250-24349
Spectra5								
2009-2005	2.0 L4					250-25012		250-24349
Sportage								
2014-2011	2.0 L4					250-25062		250-24864
2010-2005	2.0 L4					250-24438		250-24349
2002-1996	2.0 L4					250-24341		250-24341
1995	2.0 L4			DOHC		250-23084		
1995	2.0 L4			SOHC		250-23126		
2014	2.4 L4					250-25062		250-24878
2013-2011	2.4 L4			Calif-ESV		250-25062		250-24878
2013-2011	2.4 L4			Non Calif-ESV		250-25065		250-24864
2010-2005	2.7 V6				Front Rear	250-24461		250-24783
						250-24461		250-24461
LAND ROVER								
Defender 90								
1995-1994	3.9 V8	2			Left Right	250-24512		250-24512
1997	4.0 V8	2			Left Right	250-24512		250-24512
						250-24512		250-24512
Defender 110								
1993	3.9 V8	2			Left Right	250-23802		250-23802
Discovery								
1995-1994	3.9 V8				Left Right	250-23802		250-23802
2002-2000	4.0 V8				Left Right	250-24496		250-24498
						250-24496		250-24498
1999	4.0 V8			SD Series, w/Adv. Evap. Loss System	Left	250-24512		250-24512
				SD Series, w/Adv. Evap. Loss System	Right	250-24512		250-24512
1999	4.0 V8			SD Series, w/o Adv. Evap. Loss System	Left	250-24804		250-24804
				SD Series, w/o Adv. Evap. Loss System	Right	250-24804		250-24804
1999	4.0 V8			Series II	Left	250-24496		250-24498
				Series II	Right	250-24496		250-24498
1998-1996	4.0 V8			w/Adv. Evap. Loss System	Left	250-24512		250-24512
				w/Adv. Evap. Loss System	Right	250-24512		250-24512
1998-1996	4.0 V8			w/o Adv. Evap. Loss System	Left	250-24804		250-24804
				w/o Adv. Evap. Loss System	Right	250-24804		250-24804
2004-2003	4.6 V8				Left	250-24496		250-24498
					Right	250-24496		250-24498
Freelander								
2005	2.5 V6				Left Right	250-24683		250-24498
						250-24683		250-24498
2004-2002	2.5 V6				Left Right	250-24496		250-24498
						250-24496		250-24498
LR2								
2014-2013	2.0 L4	G				250-25034		250-241055
2012-2008	3.2 L6	N			Left Right	250-54043		250-24455
						250-54043		250-24455
LR3								
2007	4.0 V6	4			Left Right	250-54062		250-24714
						250-54062		250-24714
2006-2005	4.0 V6	4			Left Right	250-54062		250-24455
						250-54062		250-24455
2009-2007	4.4 V8	5			Left Right	250-54062		250-24714
						250-54062		250-24714
2006-2005	4.4 V8	5			Left Right	250-54062		250-24455
						250-54062		250-24455

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LAND ROVER (cont'd)								
LR4								
2014	3.0 V6	V			Left Right	250-25107 250-25107	250-241141 250-241140	250-241150 250-241140
2013-2010	5.0 V8	D			Left Right	250-54072 250-54072		250-24455 250-24509
Range Rover								
2014	3.0 V6	V			Left Right	250-25107 250-25107	250-241141 250-241140	250-241138 250-241138
1988-1987	3.5 V8				Left Right	250-23802 250-23802		
1995-1989	3.9 V8				Left Right	250-23802 250-23802		
2000-1999	4.0 V8				Left Right	250-24496 250-24496		250-24498 250-24498
1998	4.0 V8				Left Right	250-24512 250-24512		250-24512 250-24512
1997	4.0 V8			From Chassis #VA350102 From Chassis #VA350102	Left Right	250-24512 250-24512		250-24512 250-24512
1997	4.0 V8			To Chassis #VA350101 To Chassis #VA350101	Left Right	250-24804 250-24804		250-24804 250-24804
1996-1995	4.0 V8				Left Right	250-24804 250-24804		250-24804 250-24804
2009-2006	4.2 V8				Left Right	250-54062 250-54062		250-24455 250-24455
1995-1993	4.2 V8				Left Right	250-23802 250-23802		
2009-2006	4.4 V8				Left Right	250-54062 250-54062		250-24455 250-24455
2005-2003	4.4 V8				Left Right	250-24611 250-24611		250-24392 250-24392
2002-1999	4.6 V8				Left Right	250-24496 250-24496		250-24498 250-24498
1998	4.6 V8				Left Right	250-24512 250-24512		250-24512 250-24512
1997	4.6 V8			From Chassis #VA350102 From Chassis #VA350102	Left Right	250-24512 250-24512		250-24512 250-24512
1997	4.6 V8			To Chassis #VA350101 To Chassis #VA350101	Left Right	250-24804 250-24804		250-24804 250-24804
1996	4.6 V8				Left Right	250-24804 250-24804		250-24804 250-24804
2014-2013	5.0 V8	E		Supercharged Supercharged	Left Right	250-25107 250-25107	250-241141 250-241140	250-241138 250-241138
2013	5.0 V8	D			Left Right	250-25107 250-25107	250-241141 250-241140	250-241138 250-241138
2012-2010	5.0 V8	D			Left Right	250-54072 250-54072		250-24455 250-24509
2012-2010	5.0 V8	E		Supercharged Supercharged	Left Right	250-54072 250-54072		250-24509 250-24509
Range Rover Evoque								
2014	2.0 L4	G				250-25109		250-241152
2013-2012	2.0 L4	G				250-25034		250-241055
Range Rover Sport								
2014	3.0 V6	V			Left Right	250-25107 250-25107	250-241141 250-241140	250-241138 250-241138
2009-2007	4.2 V8	3			Left Right	250-54062 250-54062		250-24714 250-24714
2006	4.2 V8	3			Left Right	250-54062 250-54062		250-24455 250-24455
2009-2007	4.4 V8	5			Left Right	250-54062 250-54062		250-24714 250-24714
2006	4.4 V8	5			Left Right	250-54062 250-54062		250-24455 250-24455
2014	5.0 V8	E			Left Right	250-25107 250-25107	250-241141 250-241140	250-241138 250-241138
2013-2010	5.0 V8	D, E			Left Right	250-54072 250-54072		250-24455 250-24509
LEXUS								
CT200h								
2016-2011	1.8 L4		2ZRFXE			250-54066		250-24870

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LEXUS (cont'd)								
ES250								
1991-1990	2.5 V6	V	2VZFE	2 Wire Sensor		250-22069		
1991-1990	2.5 V6	V	2VZFE	4 Wire Sensor		250-24051		
ES300								
2003-2002	3.0 V6		1MZFE		Front Rear	250-54114 250-54059		250-24225 250-24360
2001-2000	3.0 V6		1MZFE		Front Rear	250-54057 250-54003		•250-24839
1999	3.0 V6		1MZFE		Front Rear	250-54054 250-54054		•250-24839
1998-1997	3.0 V6		1MZFE	Calif-ESV Calif-ESV	Front Rear	250-54054 250-54054		•250-24839
1998-1997	3.0 V6		1MZFE	Non Calif-ESV Non Calif-ESV	Front Rear	250-24360 250-24360		•250-24839
1996-1994	3.0 V6		1MZFE		Front Rear	250-24360 250-24360		•250-24298
1993-1992	3.0 V6		3VZFE	Calif-ESV Calif-ESV	Front Rear	250-21053 250-21053		•250-24298
1993-1992	3.0 V6		3VZFE	Non Calif-ESV Non Calif-ESV	Front Rear	250-21053 250-21053		
ES300h								
2016-2014	2.5 L4		2ARFXE			250-54084		250-24360
2013	2.5 L4		2ARFXE		Front Rear	250-54084 250-54084		250-24360 250-24360
ES330								
2006-2004	3.3 V6		3MZFE		Front Rear	250-54059 250-54059		250-24225 250-24360
ES350								
2014	3.5 V6			To 08/2014 To 08/2014	Front Rear	250-54066 250-54084		250-24360 250-24225
2013	3.5 V6		2GRFE		Front Rear	250-54066 250-54084		250-24360 250-24225
2012-2008	3.5 V6		2GRFE		Front Rear	250-54007 250-54059		250-24360 250-24225
2007	3.5 V6		2GRFE		Front Rear	250-54007 250-54113		250-24360 250-24225
GS200t								
2016	2.0 L4		8AR-FTS			250-54115		250-24225
GS300								
2005-2000	3.0 L6		2JZGE		Cyl 1-3 Cyl 4-6	250-24137 250-24225		250-24305 250-24839
1999-1998	3.0 L6		2JZGE		Cyl 1-3 Cyl 4-6	250-24137 250-24225		250-241116 250-24839
1997-1995	3.0 L6		2JZGE		Cyl 1-3 Cyl 4-6	250-24360 250-24360		•250-24298
1994-1993	3.0 L6		2JZGE	Calif-ESV Calif-ESV	Cyl 1-3 Cyl 4-6	250-24360 250-24360		•250-24298
1994-1993	3.0 L6		2JZGE	Non Calif-ESV		250-21054		250-21065
2006	3.0 V6		3GRFSE	AWD AWD	Left Right	250-54050 250-54050		250-24685 250-24684
2006	3.0 V6		3GRFSE	RWD RWD	Left Right	250-54050 250-54050		250-24684 250-24684
GS350								
2015	3.5 V6		2GRFSE	AWD AWD	Left Right	250-54066 250-54066		250-24244 250-24623
2015	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54066 250-54066		250-24623 250-24623
2014	3.5 V6		2GRFSE	AWD, From 08/2013 AWD, From 08/2013	Left Right	250-54066 250-54066		250-24244 250-24623
2014	3.5 V6		2GRFSE	AWD, To 08/2013 AWD, To 08/2013	Left Right	250-54066 250-54066		250-24244 250-24213
2014	3.5 V6		2GRFSE	RWD, From 08/2013 RWD, From 08/2013	Left Right	250-54066 250-54066		250-24623 250-24623
2014	3.5 V6		2GRFSE	RWD, To 08/2013 RWD, To 08/2013	Left Right	250-54085 250-54066		250-24213 250-24213
2013	3.5 V6		2GRFSE	AWD AWD	Left Right	250-54066 250-54066		250-24244 250-24213

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LEXUS (cont'd)								
GS350 (cont'd)								
2013	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54085 250-54066		250-24213 250-24213
2011	3.5 V6		2GRFSE		Left Right	250-54050 250-54050		250-24244 250-24213
2010-2007	3.5 V6		2GRFSE	AWD AWD	Left Right	250-54050 250-54050		250-24244 250-24213
2010-2007	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54050 250-54050		250-24213 250-24213
GS400								
2000-1998	4.0 V8		1UZFE		Left Right	250-24169 250-24169		250-24623 250-24623
GS430								
2007	4.3 V8		3UZFE		Left Right	250-24169 250-241116		250-24213 250-24213
2006-2001	4.3 V8		3UZFE		Left Right	250-24169 250-241116		250-24623 250-24623
GS450h								
2015	3.5 V6		2GRFXE	To 09/2014 To 09/2014	Left Right	250-54066 250-54066		250-24420 250-24213
2014	3.5 V6		2GRFXE	From 09/2013 From 09/2013	Left Right	250-54066 250-54066		250-24420 250-24623
2014	3.5 V6		2GRFXE	To 09/2013 To 09/2013	Left Right	250-54066 250-54066		250-24420 250-24213
2013	3.5 V6		2GRFXE		Left Right	250-54066 250-54066		250-24420 250-24213
2011-2007	3.5 V6		2GRFSE		Left Right	250-54050 250-54050		250-24213 250-24213
GS460								
2011-2008	4.6 V8		1URFSE		Left Right	250-54050 250-54050		250-24298 250-24298
GX460								
2015	4.6 V8		1URFE		Left Right	250-54085 250-54085		250-24344 250-24169
2014	4.6 V8		1URFE	From 08/2013 From 08/2013	Left Right	250-54085 250-54085		250-24344 250-24169
2014	4.6 V8		1URFE	To 08/2013 To 08/2013	Left Right	250-54050 250-54050		250-24360 250-24169
2013-2010	4.6 V8		1URFE		Left Right	250-54050 250-54050		250-24360 250-24169
GX470								
2009-2005	4.7 V8		2UZFE		Left Right	250-54050 250-54050		250-24360 250-24360
2004-2003	4.7 V8		2UZFE		Left Right	250-24169 250-24169		250-24360 250-24360
HS250h								
2012-2010	2.4 L4		2AZFXE			250-54050		250-24420
IS200t								
2016	2.0 L4		8AR-FTS			250-54115		250-24225
IS250								
2015	2.5 V6		4GRFSE	AWD AWD	Left Right	250-54066 250-54066		250-24244 250-24623
2015	2.5 V6		4GRFSE	RWD RWD	Left Right	250-54066 250-54066		250-24623 250-24623
2014	2.5 V6		4GRFSE	AWD, From 08/2013 AWD, From 08/2013	Left Right	250-54066 250-54066		250-24623 250-24623
2014	2.5 V6		4GRFSE	AWD, To 08/2013 AWD, To 08/2013	Left Right	250-54066 250-54066		250-24623 250-24623
2014	2.5 V6		4GRFSE	RWD, From 08/2013 RWD, From 08/2013	Left Right	250-54066 250-54066		250-24213 250-24213
2014	2.5 V6		4GRFSE	RWD, To 08/2013 RWD, To 08/2013	Left Right	250-54066 250-54066		250-24244 250-24244
2013	2.5 V6		4GRFSE	AWD AWD	Left Right	250-54085 250-54066		250-24187 250-24213
2013	2.5 V6		4GRFSE	RWD RWD	Left Right	250-54085 250-54066		250-24213 250-24213

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LEXUS (cont'd)								
IS250 (cont'd)								
2012-2006	2.5 V6		4GRFSE	AWD AWD	Left Right	250-54050 250-54050		250-24187 250-24213
2012-2006	2.5 V6		4GRFSE	RWD RWD	Left Right	250-54050 250-54050		250-24213 250-24213
IS300								
2005-2001	3.0 L6		2JZGE		Cyl 1-3 Cyl 4-6	250-24106 250-241116		250-24226 250-24840
2016	3.5 V6		2GRFSE		Left Right	250-54066 250-54066		250-24244 250-24623
IS350								
2016-2014	3.5 V6		2GRFSE	AWD AWD	Left Right	250-54066 250-54066		250-24244 250-24623
2016	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54066 250-54066		250-24244 250-24623
2015	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54066 250-54066		250-24623 250-24623
2014	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54066 250-54066		250-24244 250-24623
2013	3.5 V6		2GRFSE	AWD AWD	Left Right	250-54066 250-54066		250-24187 250-24213
2013	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54066 250-54066		250-24213 250-24213
2012-2006	3.5 V6		2GRFSE		Left Right	250-54050 250-54050		250-24213 250-24213
IS F								
2014-2013	5.0 V8		2URGSE		Left Right	250-54050 250-54050		250-24213 250-24213
2012-2008	5.0 V8		2URGSE		Left Right	250-54006 250-54006		250-24213 250-24213
IS Turbo								
2017	2.0 L4		8AR-FTS			250-54115		250-24225
LS400								
2000-1995	4.0 V8		1UZFE		Left Right	250-24169 250-24169		250-24839 250-24839
1994-1993	4.0 V8		1UZFE			250-24220		250-22011
1992-1990	4.0 V8		1UZFE			250-24220		250-22009
LS430								
2006-2001	4.3 V8		3UZFE		Left Right	250-24169 250-241116		250-24483 250-24483
LS460								
2016-2015	4.6 V8		1URFSE	RWD RWD	Left Right	250-54066 250-54066		250-24623 250-24623
2016-2009	4.6 V8		1URFSE	AWD AWD	Left Right	250-54050 250-54050		250-24420 250-24623
2014	4.6 V8		1URFSE	RWD, From 09/2013 RWD, From 09/2013	Left Right	250-54066 250-54066		250-24623 250-24623
2014	4.6 V8		1URFSE	RWD, To 09/2013 RWD, To 09/2013	Left Right	250-54006 250-54050		250-24623 250-24623
2013-2007	4.6 V8		1URFSE	RWD RWD	Left Right	250-54006 250-54050		250-24623 250-24623
LS600h								
2015-2014	5.0 V8		2URFSE		Left Right	250-54050 250-54050	250-24169 250-24623	250-24169 250-24623
2013-2008	5.0 V8		2URFSE		Left Right	250-54050 250-54050		250-24169 250-24623
LX450								
1997-1996	4.5 L6	J	1FZFE			250-24157		250-24153
LX470								
2007-2006	4.7 V8		2UZFE		Left Right	250-54050 250-54050		250-24360 250-24360
2005	4.7 V8		2UZFE	From 05/01/05 From 05/01/05	Left Right	250-54050 250-54050		250-24360 250-24360
2005	4.7 V8		2UZFE	To 05/01/2005 To 05/01/2005	Left Right	250-24169 250-24169		250-24154 250-24154

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LEXUS (cont'd)								
LX470 (cont'd)								
2004-1998	4.7 V8		2UZFE		Left Right	250-24169 250-24169		250-24154 250-24154
LX570								
2016	5.7 V8		3URFE		Left Right	250-54066 250-54066		250-24344 250-24169
2015	5.7 V8		3URFE	From 09/2015 From 09/2015	Left Right	250-54066 250-54066		250-24344 250-24169
2015	5.7 V8		3URFE	To 09/2015 To 09/2015	Left Right	250-54085 250-54085		250-24344 250-24169
2014	5.7 V8		3URFE		Left Right	250-54085 250-54085		250-24344 250-24169
2013	5.7 V8		3URFE		Left Right	250-54085 250-54085		250-24360 250-24169
2011-2008	5.7 V8		3URFE		Left Right	250-54050 250-54050		250-24360 250-24169
RC200t								
2016	2.0 L4		8AR-FTS			250-54115		250-24225
RC300								
2016	3.5 V6		2GRFSE		Left Right	250-54066 250-54066		250-24244 250-24623
RC350								
2016-2015	3.5 V6		2GRFSE	AWD AWD	Left Right	250-54066 250-54066		250-24244 250-24623
2016-2015	3.5 V6		2GRFSE	RWD RWD	Left Right	250-54066 250-54066		250-24623 250-24623
RX300								
2003-1999	3.0 V6		1MZFE		Front Rear	250-54054 250-54054		•250-24277
RX330								
2006-2004	3.3 V6		3MZFE		Front Rear	250-54059 250-54059		250-24420 250-241129
RX350								
2015	3.5 V6		2GRFE	Exc.Japan Built Vehicle Exc.Japan Built Vehicle	Front Rear	250-54084 250-54084		250-24870 250-24837
2015	3.5 V6		2GRFE	Japan Built Vehicle Japan Built Vehicle	Front Rear	250-54007 250-54059		250-24870 250-24837
2014	3.5 V6		2GRFE	Exc.Japan Built Vehicle, From 03/2014 Exc.Japan Built Vehicle, From 03/2014	Front Rear	250-54084 250-54084		250-24870 250-24837
2014	3.5 V6		2GRFE	Japan Built Vehicle, From 03/2014 Japan Built Vehicle, From 03/2014	Front Rear	250-54007 250-54059		250-24870 250-24837
2014	3.5 V6		2GRFE	To 03/2014 To 03/2014	Front Rear	250-54084 250-54084		250-24420 250-24837
2013	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24420 250-24837
2012-2011	3.5 V6		2GRFE		Front Rear	250-54069 250-54059		250-24420 250-24837
2010	3.5 V6		2GRFE		Front Rear	250-54007 250-54059		250-24420 250-24837
2009	3.5 V6		2GRFE		Front Rear	250-54007 250-54059		250-24420 250-241129
2008-2007	3.5 V6		2GRFE	Exc.Japan Built Vehicle Exc.Japan Built Vehicle	Front Rear	250-54007 250-54059		250-24420 250-241129
2008	3.5 V6		2GRFE	Japan Built Vehicle Japan Built Vehicle	Front Rear	250-54059 250-54007		250-24420 250-241129
2007	3.5 V6		2GRFE	Japan Built Vehicle Japan Built Vehicle	Front Rear	250-54059 250-54059		250-24420 250-241129
RX400h								
2008-2006	3.3 V6		3MZFE		Front Rear	250-54059 250-54059		250-24420 250-24837
RX450h								
2013-2011	3.5 V6		2GRFXE		Front Rear	250-54084 250-54084		250-24870 250-24837
2010	3.5 V6		2GRFXE		Front Rear	250-54059 250-54007		250-24420 250-24837

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LEXUS (cont'd)								
SC300								
2000-1998	3.0 L6		2JZGE		Cyl 1-3 Cyl 4-6	250-24106 250-241116		250-24298 250-24106
1997-1995	3.0 L6		2JZGE		Cyl 1-3 Cyl 4-6	250-24305 250-24305		•250-24155
1994	3.0 L6		2JZGE	From 1/94 From 1/94	Cyl 1-3 Cyl 4-6	250-24305 250-24305		•250-24155
1994	3.0 L6		2JZGE	To 1/94 To 1/94	Cyl 1-3 Cyl 4-6	250-21054 250-21054		•250-24155
1993-1992	3.0 L6		2JZGE		Cyl 1-3 Cyl 4-6	250-21054 250-21054		•250-24155
SC400								
2000-1996	4.0 V8		1UZFE		Left Right	250-24169 250-24169		250-24839 250-24839
1995-1992	4.0 V8		1UZFE		Left Right	250-24220 250-24220		250-24172 250-24172
SC430								
2010-2006	4.3 V8		3UZFE		Left Right	250-24169 250-241116		250-24188 250-24188
2005-2002	4.3 V8		3UZFE		Left Right	250-24169 250-241116		250-24483 250-24483
LINCOLN								
Aviator								
2005-2003	4.6 V8	H			Left Right	250-24749 250-24749		250-24001 250-24001
Blackwood								
2002	5.4 V8	A			Left Right	250-24749 250-24749		250-24001 250-24001
Continental								
2018-2017	2.7 V6	P			Front Rear	250-25025 250-25025		250-241185 250-241185
2018-2017	3.0 V6	C			Front Rear	250-25025 250-25025		250-241185 250-241185
2018-2017	3.7 V6	K			Front Rear	250-25122 250-25122		250-241185 250-241185
1994-1991	3.8 V6	4			Front Rear	250-24001 250-24001		
1990-1988	3.8 V6	4			Front Rear	250-23002 250-23002		
1982	3.8 V6	3		Calif-ESV		250-21003		
2002-1998	4.6 V8	V			Front Rear	250-24749 250-24749		250-24001 250-24001
1997-1995	4.6 V8	V			Front Rear	250-24001 250-24001		250-24001 250-24001
1987	5.0 V8	F			Left Right	250-23002 250-23002		
1986	5.0 V8	F				250-23001		
1985-1983	5.0 V8	F				250-21003		
1980	5.8 V8	G				250-21003		
LS								
2005-2000	3.0 V6	S			Left Right	250-24749 250-24749		250-24001 250-24001
2006-2000	3.9 V8	A			Left Right	250-24749 250-24749		250-24001 250-24001
Mark LT								
2008-2006	5.4 V8	5			Left Right	250-241127 250-241127		250-24701 250-24701
Mark VI								
1983-1980	5.0 V8	F				250-21003		
1980	5.8 V8	G				250-21003		
Mark VII								
1992-1988	5.0 V8	E			Left Right	250-23002 250-23002		
1987	5.0 V8	M			Left Right	250-23001 250-23001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LINCOLN (cont'd)								
Mark VII (cont'd)								
1987	5.0 V8	F		Exc.LSC Series Exc.LSC Series	Left Right	250-23002 250-23002		
1987	5.0 V8	F		LSC Series LSC Series	Left Right	250-23001 250-23001		
1986-1985	5.0 V8	F, M				250-23001		
1985	5.0 V8	F		Exc.LSC Series		250-21003		
1985	5.0 V8	F		LSC Series		250-23001		
1984	5.0 V8	F				250-21003		
Mark VIII								
1998-1996	4.6 V8	V			Left Right	250-24001 250-24001		250-24001 250-24001
1995-1993	4.6 V8	V			Left Right	250-24001 250-24001		
MKC								
2018-2017	2.0 L4	9				250-25025		250-241184
2016-2015	2.0 L4	9				250-25034		250-241023
2018-2017	2.3 L4	H				250-25025		250-241184
2016-2015	2.3 L4	H				250-25049		250-241023
MKS								
2016-2015	3.5 V6	T			Front Rear	250-25049 250-25049		250-24983 250-24998
2014-2011	3.5 V6	T			Front Rear	250-25049 250-25049		250-24001 250-24998
2010	3.5 V6	T			Front Rear	250-25049 250-25049		250-24001 250-24127
2016	3.7 V6	K		From 12/07/2015 From 12/07/2015	Front Rear	250-25122 250-25122		250-241185 250-241185
2016	3.7 V6	K		To 12/07/2015 To 12/07/2015	Front Rear	250-25086 250-25086		250-24989 250-24989
2015-2013	3.7 V6	K			Front Rear	250-25086 250-25086		250-24989 250-24989
2012-2011	3.7 V6	R			Front Rear	250-25034 250-25034		250-24983 250-24983
2010-2009	3.7 V6	R			Front Rear	250-25034 250-25034		250-24001 250-24001
MKT								
2016	2.0 L4	9				250-25025		250-241184
2015-2013	2.0 L4	9				250-25034		250-241023
2018-2012	3.5 V6	T			Front Rear	250-25049 250-25049		250-24983 250-24998
2011	3.5 V6	T			Front Rear	250-25049 250-25049		250-24983 250-24127
2010	3.5 V6	T			Front Rear	250-25049 250-25049		250-24001 250-24127
2018-2016	3.7 V6	K			Front Rear	250-25122 250-25122		250-241185 250-241185
2015-2014	3.7 V6	K		Downstream Sensors 10.75"	Front	250-25086		250-241205
				Downstream Sensors 10.75"	Rear	250-25086		250-241205
2015-2014	3.7 V6	K		Downstream Sensors 17.75"	Front	250-25086		250-24989
				Downstream Sensors 17.75"	Rear	250-25086		250-24989
2013	3.7 V6	K			Front Rear	250-25086 250-25086		250-24989 250-24989
2012-2011	3.7 V6	R			Front Rear	250-25034 250-25034		250-24983 250-24983
2010	3.7 V6	R			Front Rear	250-25034 250-25034		250-24001 250-24001
MKX								
2018-2016	2.7 V6	P			Front Rear	250-25025 250-25025		250-241185 250-241185
2010-2007	3.5 V6	C			Front Rear	250-24301 250-24301		250-24001 250-24001
2018-2016	3.7 V6	R			Front Rear	250-25122 250-25122		250-241185 250-241185
2015-2011	3.7 V6	K			Front Rear	250-25086 250-25086		250-24983 250-24983
MKZ								
2018-2017	2.0 L4	9				250-25025		250-241184

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
LINCOLN (cont'd)								
MKZ (cont'd)								
2018-2015	2.0 L4	U		Hybrid		250-25049		250-241059
2016-2015	2.0 L4	9				250-25034		250-241023
2014-2013	2.0 L4	U		Hybrid		250-25049		
2014-2013	2.0 L4	9		Turbocharged		250-25034		250-241023
2012	2.5 L4	3				250-25049		250-24989
2011	2.5 L4	3			Front	250-25049		250-24989
					Rear	250-25049		250-24989
2018-2017	3.0 V6	C			Front	250-25025		250-241185
					Rear	250-25025		250-241185
2012-2011	3.5 V6	C			Front	250-24999		250-24983
					Rear	250-24999		250-24983
2010-2007	3.5 V6				Front	250-24301		250-24001
					Rear	250-24301		250-24001
2016-2013	3.7 V6	K			Front	250-25086		250-24989
					Rear	250-25086		250-24989
Navigator								
2018-2015	3.5 V6	T			Left	250-25035		250-241183
					Right	250-25049		250-241183
2014-2012	5.4 V8	5			Left	250-25035		250-241052
					Right	250-25049		250-241052
2011-2009	5.4 V8				Left	250-25035		250-24001
					Right	250-25049		250-24001
2008	5.4 V8				Left	250-24701		250-24001
					Right	250-24701		250-24001
2007-2005	5.4 V8				Left	250-241127		250-24001
					Right	250-241127		250-24001
2004-1999	5.4 V8	R			Left	250-24749		250-24001
					Right	250-24749		250-24001
2001	5.4 V8	A			Left	250-241127		250-24001
					Right	250-241127		250-24001
1998	5.4 V8				Left	250-24001		250-24001
					Right	250-24001		250-24001
Town Car								
2011-2000	4.6 V8				Left	250-24302		250-24001
					Right	250-24302		250-24001
1999-1998	4.6 V8			Exc.Oil Cooler	Left	250-24302		250-24001
				Exc.Oil Cooler	Right	250-24302		250-24001
1999-1998	4.6 V8			Oil Cooler	Left	250-24749		250-24001
				Oil Cooler	Right	250-24749		250-24001
1997-1996	4.6 V8				Left	250-24001		250-24001
					Right	250-24001		250-24001
1995-1991	4.6 V8				Left	250-24001		
					Right	250-24001		
1990-1987	5.0 V8				Left	250-23002		
					Right	250-23002		
1986	5.0 V8					250-23001		
1985-1981	5.0 V8					250-21003		
Versailles								
1980	5.0 V8	F				250-21003		
Zephyr								
2006	3.0 V6	1			Front	250-24301		250-24001
					Rear	250-24301		250-24001
MAZDA								
2								
2014-2011	1.5 L4	Y, Z	MZR			250-54081		250-24676
3								
2014	2.0 L4					250-25102		250-241074
2013-2012	2.0 L4	8				250-25101		250-24086
2013-2010	2.0 L4	F, G				250-25029		250-24872
2009-2004	2.0 L4			Calif-ESV		250-54029	250-24676	250-24676
2009	2.0 L4			Non Calif-ESV		250-25029		250-24718
2008	2.0 L4			Non Calif-ESV		250-25029	250-24676	250-24718
2007-2006	2.0 L4			Non Calif-ESV		250-25029		250-24718
2005-2004	2.0 L4			Non Calif-ESV		250-24660		250-24661
2013-2010	2.3 L4	3, 4	MZR			250-25066		250-24795

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MAZDA (cont'd)								
3 (cont'd)								
2009-2007	2.3 L4			Turbocharged		250-25067		250-24795
2009-2006	2.3 L4			Calif-ESV		250-54029	250-24676	250-24676
2009-2006	2.3 L4			Non Calif-ESV		250-25029		250-24718
2005-2004	2.3 L4					250-24660		250-24661
2014	2.5 L4					250-25102		250-241074
2013-2011	2.5 L4	5, 6				250-25063		250-24958
2010	2.5 L4					250-25063		250-24872
5								
2010-2008	2.3 L4					250-25029		250-24769
2007-2006	2.3 L4					250-24660		250-24661
2014-2012	2.5 L4	L				250-25085		250-24958
6								
2008-2007	2.3 L4			A/T, Calif-ESV		250-54039	250-24732	250-24676
2008-2007	2.3 L4			A/T, Non Calif-ESV		250-25069		250-24693
2008-2006	2.3 L4			M/T		250-25069		250-24693
2007	2.3 L4			Turbocharged		250-25066		250-24791
2006	2.3 L4					250-25066		250-24791
2006	2.3 L4							250-24693
2005	2.3 L4			A/T, Non Calif-ESV		250-54033	250-24732	250-24424
2005	2.3 L4			A/T, Calif-ESV		250-24475		250-24376
2005	2.3 L4			A/T, Non Calif-ESV		250-24475		250-24376
2005	2.3 L4			M/T		250-24475		250-24376
2004-2003	2.3 L4					250-24475		250-24376
2015-2014	2.5 L4	5, 6				250-25102		250-241074
2013-2009	2.5 L4	A, H				250-25090		250-24859
2008-2006	3.0 V6				Front	250-24474		250-24724
					Rear	250-24384		250-24376
2005-2003	3.0 V6				Front	250-24474		250-24715
					Rear	250-24384		250-24086
2013-2011	3.7 V6	B			Front	250-25086		250-24983
					Rear	250-25086		250-24983
2010-2009	3.7 V6	B			Front	250-25060		250-24001
					Rear	250-25060		250-24001
323								
1994-1990	1.6 L4					250-21010		
1989-1986	1.6 L4		B6T			250-21012		
626								
2002-2001	2.0 L4					250-24364		250-24290
2000	2.0 L4			Calif-ESV		250-24364		250-24290
2000	2.0 L4			Non Calif-ESV		250-24629		250-24377
1999-1998	2.0 L4			Calif-ESV		250-23085		250-24369
1999-1998	2.0 L4			Non Calif-ESV		250-24629		250-24139
1997-1996	2.0 L4			A/T		250-24629		250-24067
1997-1996	2.0 L4			M/T		250-23096		250-24067
1995-1993	2.0 L4					250-24068		
1987-1983	2.0 L4					250-21012		
1992-1990	2.2 L4			Non-Turbo		250-21020		
1991-1990	2.2 L4			Turbo		250-21034		
1989-1988	2.2 L4					250-21012		
2002-2001	2.5 V6				Front	250-24365		250-24377
					Rear	250-24384		250-24376
2000	2.5 V6			Calif-ESV	Front	250-24365		250-24377
				Calif-ESV	Rear	250-24384		250-24376
2000	2.5 V6			Non Calif-ESV	Front	250-24369	250-24628	•250-24139
				Non Calif-ESV	Rear	250-24067		
1999-1998	2.5 V6				Front	250-24369	250-24628	•250-24139
					Rear	250-24067		
1997	2.5 V6				Front	250-23096	250-24628	•250-24139
					Rear	250-23084		
1996	2.5 V6				Front	250-23096		250-24628
					Rear	250-23084		250-24627
1995-1994	2.5 V6			Calif-ESV	Front	250-23042		
				Calif-ESV	Rear	250-23042		
1995-1994	2.5 V6			Non Calif-ESV	Front	250-24068		
				Non Calif-ESV	Rear	250-24067		
1993	2.5 V6				Front	250-24068		
					Rear	250-24067		

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MAZDA (cont'd)								
929								
1995-1992	3.0 V6				Left Right	250-24067 250-24068		
1991-1990	3.0 V6			S Model		250-24086		
1991-1988	3.0 V6					250-23086		
B2000								
1987-1986	2.0 L4			Carbureted		250-21014		
B2200								
1993-1990	2.2 L4			Fuel Injected		250-22004		
1993-1987	2.2 L4			Carbureted		250-21014		
B2300								
2009-2008	2.3 L4	D				250-241127		250-24127
2007-2004	2.3 L4	D				250-241127		250-24001
2003-2001	2.3 L4	D		w/ OEM # ZZR118861		250-241127		250-24127
2003-2001	2.3 L4	D		w/o OEM # ZZR118861		250-24001		250-24127
1997-1995	2.3 L4	A				250-24001		250-24127
1994	2.3 L4	A		Calif-ESV		250-24001		250-24127
1994	2.3 L4	A		Non Calif-ESV		250-23002		250-24127
B2500								
2001-1998	2.5 L4	C				250-24001		250-24127
B2600								
1993-1989	2.6 L4					250-22004		
1988	2.6 L4					250-21019		
1987	2.6 L4					250-21012		
B3000								
2007-2006	3.0 V6	U			Left Right	250-241127 250-241127		250-24001 250-24001
2005-2004	3.0 V6	U			Left Right	250-241127 250-241127		•250-24001
2003-2001	3.0 V6	U		w/ OEM # ZZR118861	Left	250-24701		•250-24127
				w/ OEM # ZZR118861	Right	250-241127		
2003-2001	3.0 V6	V		w/ OEM # ZZR118861	Left	250-241127		•250-24127
				w/ OEM # ZZR118861	Right	250-24701		
2003-2001	3.0 V6	U, V		w/o OEM # ZZR118861	Left	250-24001		•250-24127
				w/o OEM # ZZR118861	Right	250-24001		
2000-1999	3.0 V6	V		w/ OEM # ZZR118861	Left	250-241127		•250-24070
				w/ OEM # ZZR118861	Right	250-241127		
2000-1999	3.0 V6	V		w/o OEM # ZZR118861	Left	250-24001		•250-24070
				w/o OEM # ZZR118861	Right	250-24001		
1998	3.0 V6	U		Downstream 19.75" Lead	Left	250-24001		•250-24127
				Downstream 19.75" Lead	Right	250-24001		
1998	3.0 V6	U		Downstream 30.25" Lead	Left	250-24001		•250-24070
				Downstream 30.25" Lead	Right	250-24001		
1996-1995	3.0 V6	U		A/T	Left	250-24001		•250-24127
				A/T	Right	250-24001		
1996-1995	3.0 V6	U		M/T	Left	250-24001		•250-24070
				M/T	Right	250-24001		
1994	3.0 V6	U			Left	250-24127		
					Right	250-24127		
B4000								
2009-2005	4.0 V6	E			Left Right	250-241127 250-241127		250-24001 250-24001
2004	4.0 V6	E			Left Right	250-241127 250-241127		•250-24001
2003-2002	4.0 V6	E		w/ OEM # ZZR118861	Left	250-24701		•250-24070
				w/ OEM # ZZR118861	Right	250-24701		
2003-2002	4.0 V6	E		w/o OEM # ZZR118861	Left	250-24001		•250-24070
				w/o OEM # ZZR118861	Right	250-24001		
2001-1999	4.0 V6	E, X			Left	250-24001		•250-24070
					Right	250-24001		
1998	4.0 V6	X		Downstream 19.75" Lead	Left	250-24001		•250-24127
				Downstream 19.75" Lead	Right	250-24001		
1998	4.0 V6	X		Downstream 30.25" Lead	Left	250-24001		•250-24070
				Downstream 30.25" Lead	Right	250-24001		
1997	4.0 V6	X			Left	250-24001		•250-24127
					Right	250-24001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MAZDA (cont'd)								
B4000 (cont'd)								
1996	4.0 V6	X		A/T A/T	Left Right	250-24001 250-24001		•250-24127
1996	4.0 V6	X		M/T M/T	Left Right	250-24001 250-24001		•250-24070
1995	4.0 V6	X			Left Right	250-24001 250-24001		•250-24127
1994	4.0 V6	X			Left Right	250-24127 250-24127		
CX-3								
2017-2016	2.0 L4	7				250-25102		250-241177
CX-5								
2015-2013	2.0 L4	E				250-25102		250-241074
2015-2014	2.5 L4	Y				250-25102		250-241074
CX-7								
2012-2007	2.3 L4	3, L	MZR			250-25066		250-24782
2012-2010	2.5 L4	5, M				250-25068		250-24871
CX-9								
2007	3.5 V6				Front Rear	250-24301 250-24301		250-24001 250-24001
2014-2011	3.7 V6	A, V			Front Rear	250-25086 250-25086		250-24983 250-24983
2010-2008	3.7 V6				Front Rear	250-24301 250-24301		250-24001 250-24001
GLC								
1985-1983	1.5 L4					250-21012		
Miata								
1993-1990	1.6 L4					250-21035		
2005-2004	1.8 L4			Non Turbo		250-24128		250-24641
2005-2004	1.8 L4			Turbo		250-24366		250-24641
2003-2001	1.8 L4					250-24128		250-24641
2000-1999	1.8 L4			Calif-ESV		250-24245		250-24123
2000-1999	1.8 L4			Non Calif-ESV		250-24123		250-24129
1997-1996	1.8 L4					250-24123		250-24129
1995-1994	1.8 L4					250-24123		
Millenia								
2002-1995	2.3 V6				Front Rear	250-23097 250-23094		250-24139 250-24128
2002-2001	2.5 V6				Front Rear	250-24365 250-24475		250-24629 250-24128
2000-1997	2.5 V6				Front Rear	250-24629 250-24362		250-24072 250-24160
1996-1995	2.5 V6				Front Rear	250-23095 250-23097		250-24629 250-24139
MPV								
2001-2000	2.5 V6			Calif-ESV Calif-ESV	Front Rear	250-24366 250-24628		250-24367 250-24130
2001-2000	2.5 V6			Non Calif-ESV Non Calif-ESV	Front Rear	250-24366 250-24628	250-24378	•250-24634
1994-1989	2.6 L4					250-22006		
2006-2002	3.0 V6				Front Rear	250-24628 250-24068		250-24130 250-24130
1998-1996	3.0 V6			2WD		250-24424		250-24131
1998-1996	3.0 V6			4WD		250-24424		250-24130
1995-1992	3.0 V6					250-24072		
1991	3.0 V6			A/T		250-24072		
1991	3.0 V6			M/T		250-23086		
1990-1989	3.0 V6					250-23086		
MX-3								
1995-1994	1.6 L4					250-23085		
1993-1992	1.6 L4					250-21010		
1994-1992	1.8 V6				Front Rear	250-24634 250-24245		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MAZDA (cont'd)								
MX-5 Miata								
2017-2016	2.0 L4	7				250-25101		250-241177
2015-2009	2.0 L4	F				250-54080		250-24725
2008-2006	2.0 L4					250-54063		250-24725
MX-6								
1997-1996	2.0 L4			A/T		250-24629		250-24067
1997-1996	2.0 L4			M/T		250-23096		250-24067
1995-1993	2.0 L4					250-24068		
1992-1990	2.2 L4					250-21020		
1989-1988	2.2 L4					250-21034		
1997	2.5 V6				Front Rear	250-21012	250-24628	•250-24139
1996	2.5 V6				Front Rear	250-23096 250-23084		250-24628 250-24627
1995-1994	2.5 V6			Calif-ESV Calif-ESV	Front Rear	250-23042 250-23042		
1995-1994	2.5 V6			Non Calif-ESV Non Calif-ESV	Front Rear	250-24068 250-24067		
1993	2.5 V6				Front Rear	250-24068 250-24067		
Navajo								
1994-1991	4.0 V6	X			Left Right	250-24127 250-24127		
Protege								
1998-1995	1.5 L4					250-23085		250-24128
2001	1.6 L4					250-24366		250-24363
2000-1999	1.6 L4			Calif-ESV		250-24366		250-24363
2000-1999	1.6 L4			Non Calif-ESV		250-24245		250-24363
2000-1999	1.8 L4					250-24634		250-24367
1998-1995	1.8 L4					250-24245		250-24292
1994-1990	1.8 L4					250-21010		
2003-2001	2.0 L4					250-241126		250-24367
Protege5								
2003-2002	2.0 L4					250-241126		250-24367
RX-7								
1985-1984	1.1 R2					250-21019		
1995-1993	1.3 R2					250-21020		
1991-1989	1.3 R2					250-21026		
1988-1984	1.3 R2					250-21019		
RX-8								
2011	1.3 R2	2, 4				250-54044		250-24860
2011	1.3 R2	M, P				250-54044		250-24131
2010-2009	1.3 R2	2, 4, M, P		A/T		250-54044		250-24131
2010-2009	1.3 R2	2, 4, M, P		M/T		250-54044		250-24860
2008	1.3 R2			A/T		250-54031		250-24131
2007-2004	1.3 R2					250-54031		250-24131
Tribute								
2004-2001	2.0 L4					250-24302		250-24070
2008	2.3 L4	H, Z				250-24301	250-24001	250-24127
2006-2005	2.3 L4	Z				250-24301	250-24001	250-24127
2011-2010	2.5 L4	7				250-25086		250-24127
2010-2009	2.5 L4	3		Hybrid		250-25049		250-24001
2011-2010	3.0 V6	G			Front Rear	250-25086 250-25086		250-24127 250-24127
2009-2008	3.0 V6	1, G			Front Rear	250-24749 250-24749		250-24127 250-24127
2006-2005	3.0 V6	1			Front Rear	250-24301 250-24301		250-24127 250-24127
2004-2001	3.0 V6				Front Rear	250-24302 250-24749		250-24127 250-24127
MERCEDES-BENZ								
190E								
1993-1991	2.3 L4					250-23066		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
190E (cont'd)								
1988-1984	2.3 L4					250-23067		
1993-1987	2.6 L6					250-23067		
260E								
1989-1987	2.6 L6					250-23073		
280CE								
1981-1980	2.8 L6					250-21000		
280E								
1981-1980	2.8 L6					250-21000		
280SE								
1980	2.8 L6					250-21000		
300CE								
1992-1988	3.0 L6					250-23073		
1993	3.2 L6					250-24034		
300E								
1992-1990	2.6 L6					250-23073		
1993	2.8 L6					250-23073		
1993	3.0 L6					250-24034		
1992	3.0 L6					250-24038		
1991	3.0 L6			3 Wire Sensor		250-23073		
1991	3.0 L6			4 Wire Sensor		250-24038		
1990	3.0 L6					250-24038		
1989-1986	3.0 L6					250-23073		
1993	3.2 L6					250-24038		
300SE								
1991-1988	3.0 L6					250-23073		
1993-1992	3.2 L6					250-24038		
300SEL								
1991-1988	3.0 L6					250-23073		
300SL								
1993-1990	3.0 L6					250-23074		
300TE								
1993	3.0 L6					250-23063		
1992-1990	3.0 L6			14.25" Lead		250-23063		
1992-1990	3.0 L6			30" Lead		250-23073		
1989-1988	3.0 L6					250-23073		
1993	3.2 L6					250-24034		
380SE								
1985-1984	3.8 V8					250-21000		
380SEC								
1983-1982	3.8 V8					250-23163		
380SEL								
1983-1981	3.8 V8					250-21000		
380SL								
1985-1981	3.8 V8					250-21000		
380SLC								
1981	3.8 V8					250-21000		
400E								
1993-1992	4.2 V8					250-24038		
400SE								
1992	4.2 V8					250-24038		
400SEL								
1993	4.2 V8					250-24038		
420SEL								
1991-1986	4.2 V8					250-23163		
450SEL								
1980	4.5 V8					250-21000		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
450SL								
1980	4.5 V8					250-21000		
450SLC								
1980	4.5 V8					250-23073		
500E								
1993-1992	5.0 V8					250-24038		
500SEC								
1993	5.0 V8					250-24038		
1985-1984	5.0 V8					250-21000		
500SEL								
1993-1992	5.0 V8					250-24038		
1985-1984	5.0 V8					250-21000		
500SL								
1993	5.0 V8					250-24038		
1992-1990	5.0 V8					250-23074		
560SEC								
1991-1986	5.6 V8					250-23163		
560SEL								
1991-1986	5.6 V8					250-23163		
560SL								
1989-1986	5.6 V8					250-23073		
600SEC								
1993	6.0 V12					250-24038		
600SEL								
1993-1992	6.0 V12					250-24038		
600SL								
1993	6.0 V12					250-24038		
C32 AMG								
2004-2002	3.2 V6				Left Right	250-24468 250-24469		250-24465 250-24465
C36 AMG								
1997	3.6 L6					250-24609		250-24387
1996	3.6 L6			From Chassis/VIN 436536		250-24609		250-24387
1996	3.6 L6			To Chassis/VIN 436535		250-24038		250-24044
1995	3.6 L6					250-24038		250-24044
C43 AMG								
2000-1998	4.3 V8		113.944		Left Right	250-24143 250-24411		250-24413 250-24419
C55 AMG								
2006-2005	5.5 V8		113.988		Left Right	250-24468 250-24469		250-24465 250-24465
C63 AMG								
2015-2008	6.3 V8		156.985		Left Right	250-25043 250-25043		250-24675 250-24675
C220								
1996-1995	2.2 L4					250-24180		250-24044
1994	2.2 L4					250-24180		
C230								
2005-2003	1.8 L4					250-25003		250-24468
2002	2.3 L4		111.981			250-24469		250-24468
2000-1997	2.3 L4		111.974, 111.975			250-24198		250-24387
2007-2006	2.5 V6		272.920		Left Right	250-25045 250-25045		250-24675 250-24675
C240								
2005-2003	2.6 V6		112.916		Left Right	250-24468 250-24468		250-24466 250-24465
2005-2001	2.6 V6		112.912		Left Right	250-24468 250-24469		250-24465 250-24465

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
C250								
2015-2012	1.8 L4		271.860			250-25018		250-241035
C280								
1997	2.8 L6					250-24609		250-24387
1996	2.8 L6			From Chassis/VIN 436536		250-24609		250-24387
1996	2.8 L6			To Chassis/VIN 436535		250-24038		250-24044
1995	2.8 L6					250-24038		250-24044
1994	2.8 L6					250-24038		
2000-1998	2.8 V6		112.920		Left Right	250-24143 250-24411		250-24413 250-24419
2007-2006	3.0 V6		272.940		Left Right	250-25045 250-25045		250-24675 250-24675
2007-2006	3.0 V6		272.941		Left Right	250-25045 250-25043		250-24468 250-24469
C300								
2017-2015	2.0 L4		274.920			250-25044		250-241159
2012	3.0 V6		272.948		Left Right	250-25043 250-25043		250-24686 250-24686
2011-2008	3.0 V6		272.948	4Matic 4Matic	Left Right	250-25043 250-25043		250-24686 250-24686
2011-2008	3.0 V6		272.947	Base Base	Left Right	250-25043 250-25043		250-24675 250-24675
2014-2013	3.5 V6		276.957		Left Right	250-25043 250-25043		250-24253 250-24253
C320								
2005	3.2 V6				Left Right	250-24468 250-24469		250-24466 250-24465
2004-2001	3.2 V6		112.946, 112.953		Left Right	250-24468 250-24469		250-24465 250-24465
C350								
2015-2012	3.5 V6		276.957		Left Right	250-25043 250-25043		250-24253 250-24253
2011-2008	3.5 V6		272.961		Left Right	250-25043 250-25043		250-24675 250-24675
2007-2006	3.5 V6		272.960		Left Right	250-25045 250-25045		250-24675 250-24675
2007-2006	3.5 V6		272.970		Left Right	250-25045 250-25043		250-24468 250-24469
C350e								
2017-2016	2.0 L4		274.920			250-25044		250-241159
CL55 AMG								
2006-2001	5.5 V8		113.991		Left Right	250-24469 250-24469		250-24469 250-24469
CL63 AMG								
2014	5.5 V8				Left Right	250-25043 250-25043		250-24253 250-24253
2013-2012	5.5 V8		157.980		Left Right	250-25043 250-25043		250-24680 250-24680
2011	5.5 V8		157.980	From 02/28/2011 From 02/28/2011	Left Right	250-25043 250-25043		250-24680 250-24680
2011	5.5 V8		157.980	To 02/28/2011 To 02/28/2011	Left Right	250-25042 250-25042		250-24680 250-24680
2010-2008	6.3 V8		156.984		Left Right	250-25045 250-25045		250-24686 250-24686
CL65 AMG								
2013-2008	6.0 V12		275.982		Left Right	250-24469 250-24469		250-24469 250-24469
2006-2005	6.0 V12		275.980		Left Right	250-24469 250-24469		250-24469 250-24469
CL500								
2006-2002	5.0 V8		113.960		Left Right	250-24469 250-24469		250-24469 250-24469
2001	5.0 V8		113.960	From VIN A008783 From VIN A008783	Left Right	250-24469 250-24469		250-24469 250-24469
2001	5.0 V8		113.960	To VIN# A008782 To VIN# A008782	Left Right	250-24610 250-24610		250-24609 250-24609

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
CL500 (cont'd)								
2000	5.0 V8		113.960		Left Right	250-24610 250-24610		250-24609 250-24609
1999-1998	5.0 V8		119.980		Left Right	250-24610 250-24610		250-24387 250-24609
CL550								
2014-2012	4.6 V8		278.920		Left Right	250-25043 250-25043		250-24680 250-24680
2011	4.6 V8		278.920	From 02/28/2011 From 02/28/2011	Left Right	250-25043 250-25043		250-24680 250-24680
2011	4.6 V8		278.920	To 02/28/2011 To 02/28/2011	Left Right	250-25042 250-25042		250-24680 250-24680
2010-2009	5.5 V8		273.968		Left Right	250-25043 250-25042		250-24686 250-24686
2008-2007	5.5 V8		273.961		Left Right	250-25043 250-25043		250-24686 250-24686
CL600								
2014-2003	5.5 V12		275.950, 275.953		Left Right	250-24469 250-24469		250-24469 250-24469
2002-2001	5.8 V12				Left Right	250-24469 250-24469		250-24469 250-24469
1999-1998	6.0 V12				Left Right	250-24609 250-24609		250-24610 250-24610
CLA45 AMG								
2015-2014	2.0 L4		133.980			250-25043		250-241145
CLA250								
2015-2014	2.0 L4		270.920			250-25043		250-241145
CLK55 AMG								
2006-2003	5.5 V8		113.987		Left Right	250-24468 250-24469		250-24465 250-24465
2002-2001	5.5 V8				Left Right	250-24468 250-24466		250-24464 250-24463
CLK63 AMG								
2009-2007	6.3 V8		156.982		Left Right	250-25048 250-25045		250-24675 250-24675
CLK320								
2005-2004	3.2 V6				Left Right	250-24468 250-24469		250-24465 250-24465
2003	3.2 V6			Convertible Convertible	Left Right	250-24468 250-24466		250-24464 250-24463
2003	3.2 V6			Coupe Coupe	Left Right	250-24468 250-24469		250-24465 250-24465
2002-2001	3.2 V6		112.940		Left Right	250-24468 250-24466		250-24464 250-24463
2000-1998	3.2 V6		112.940		Left Right	250-24143 250-24411		250-24413 250-24419
CLK350								
2009-2006	3.5 V6		272.960		Left Right	250-25045 250-25045		250-24675 250-24675
CLK430								
2003-2001	4.3 V8		113.943		Left Right	250-24468 250-24466		250-24464 250-24463
2000-1999	4.3 V8		113.943		Left Right	250-24143 250-24411		250-24413 250-24419
CLK500								
2006-2003	5.0 V8		113.968		Left Right	250-24468 250-24469		250-24465 250-24465
CLK550								
2009-2007	5.5 V8		273.967		Left Right	250-25045 250-25045		250-24675 250-24675
CLS55 AMG								
2006	5.5 V8				Left Right	250-24469 250-24469		250-24465 250-24465

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
CLS63 AMG								
2014-2012	5.5 V8		157.981		Left Right	250-25043 250-25043		250-24253 250-24253
2011-2007	6.3 V8		156.983		Left Right	250-25043 250-25045		250-24686 250-24686
CLS63 AMG S								
2015-2014	5.5 V8		157.981		Left Right	250-25043 250-25043		250-24253 250-24253
CLS400								
2015	3.0 V6				Left Right	250-25042 250-25042		250-24253 250-24253
CLS500								
2006	5.0 V8				Left Right	250-24469 250-24469		250-24465 250-24465
CLS550								
2015-2012	4.6 V8		278.922		Left Right	250-25043 250-25043		250-24253 250-24253
2011-2007	5.5 V8		273.960		Left Right	250-25043 250-25043		250-24675 250-24675
E55 AMG								
2006-2003	5.5 V8		113.990		Left Right	250-24469 250-24469		250-24465 250-24465
2002-2000	5.5 V8				Left Right	250-24469 250-24468		250-24469 250-24469
1999	5.5 V8				Left Right	250-24387 250-24387		250-24469 250-24469
E63 AMG								
2014-2012	5.5 V8		157.981		Left Right	250-25043 250-25043		250-24253 250-24253
2011	6.3 V8		156.985		Left Right	250-25045 250-25045		250-24686 250-24686
2010-2007	6.3 V8		156.983, 156.985		Left Right	250-25043 250-25045		250-24686 250-24686
E63 AMG S								
2015-2014	5.5 V8		157.981		Left Right	250-25043 250-25043		250-24253 250-24253
E250								
2016-2014	2.1 L4		651.924	Diesel		250-25126		
E300								
2017	2.0 L4		274.920			250-25044		250-241159
E320								
2009-2007	3.0 V6		642.920	Diesel		250-25043		250-25042
2006-2005	3.2 L6		648.961	Diesel				250-25048
1997	3.2 L6					250-24387		250-24387
1996	3.2 L6					250-24141		250-24387
1995-1994	3.2 L6					250-24034		
2005-2004	3.2 V6		112.954	4 Matic 4 Matic	Left Right	250-24468 250-24468		250-24465 250-24465
2005-2003	3.2 V6		112.949		Left Right	250-24469 250-24469		250-24465 250-24465
2003-2001	3.2 V6		112.941		Left Right	250-24469 250-24468		250-24469 250-24469
2000	3.2 V6		112.941		Left Right	250-24610 250-24387		250-24609 250-24609
1999-1998	3.2 V6		112.941	Exc.Wagon Exc.Wagon	Left Right	250-24610 250-24387		250-24609 250-24609
1999-1998	3.2 V6		112.941	Wagon Wagon	Left Right	250-24387 250-24387		250-24609 250-24609
E350								
2013-2011	3.0 V6			Diesel		250-25091		
2015-2012	3.5 V6		276.952, 276.957		Left Right	250-25043 250-25043		250-24253 250-24253
2011-2010	3.5 V6				Left Right	250-25043 250-25043		250-24686 250-24686

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
E350 (cont'd)								
2011-2006	3.5 V6		272.964	Base Base	Left Right	250-25043 250-25043		250-24675 250-24675
2009-2006	3.5 V6		272.972	4Matic 4Matic	Left Right	250-25045 250-25045		250-24469 250-24469
E400								
2015-2014	3.5 V6		276.952		Left Right	250-25042 250-25042		250-24460 250-24460
2013	3.5 V6				Left Right	250-25043 250-25043		250-24253 250-24253
E420								
1997	4.2 V8				Left Right	250-24387 250-24387		250-24609 250-24609
1995-1994	4.2 V8					250-24038		
E430								
2002-2001	4.3 V8		113.940		Left Right	250-24469 250-24468		250-24469 250-24469
2000	4.3 V8		113.940		Left Right	250-24610 250-24387		250-24609 250-24609
1999-1998	4.3 V8		113.940		Left Right	250-24387 250-24387		250-24609 250-24609
E500								
2006-2003	5.0 V8		113.967		Left Right	250-24469 250-24469		250-24465 250-24465
2006	5.0 V8		113.969		Left Right	250-24468 250-24468		250-24465 250-24465
2005-2004	5.0 V8			4 Matic 4 Matic	Left Right	250-24468 250-24468		250-24465 250-24465
1994	5.0 V8					250-24038		
E550								
2015-2012	4.6 V8		278.922		Left Right	250-25043 250-25043		250-24253 250-24253
2011-2007	5.5 V8		273.960, 273.966, 273.971		Left Right	250-25043 250-25043		250-24675 250-24675
2011	5.5 V8		273.970		Left Right	250-25043 250-25043		250-24686 250-24686
2010	5.5 V8		273.970		Left Right	250-25045 250-25045		250-24675 250-24675
2009-2007	5.5 V8		273.962		Left Right	250-25045 250-25045		250-24469 250-24469
G55 AMG								
2011-2005	5.5 V8		113.993		Left Right	250-24469 250-24469		250-24468 250-24468
2004-2003	5.5 V8				Left Right	250-24468 250-24468		250-24469 250-24469
G63 AMG								
2015	5.5 V8		157.984		Left Right	250-25042 250-25042		250-241077 250-241077
2014-2013	5.5 V8		157.984		Left Right	250-25042 250-25042		250-24853 250-24853
G65 AMG								
2017-2016	6.0 V12		279.982		Left Right	250-25042 250-25042		250-241193 250-241193
G500								
2008-2002	5.0 V8		113.962		Left Right	250-24469 250-24469		250-24468 250-24468
G550								
2015-2009	5.5 V8		273.963		Left Right	250-25043 250-25044		250-24857 250-24857
GL63 AMG								
2015-2013	5.5 V8		157.982		Left Right	250-25042 250-25042		250-24253 250-24253
GL320								
2009-2007	3.0 V6		642.820, 642.940	Diesel				250-25043

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
GL350								
2015-2013	3.0 V6		642.826	Diesel		250-25088		
2011-2010	3.0 V6		642.820	Diesel				250-25088
GL450								
2014-2013	4.6 V8		278.928		Left	250-25042		250-24253
					Right	250-25042		250-24253
2012-2007	4.6 V8		273.923		Left	250-25043		250-24686
					Right	250-25043		250-24675
GL550								
2015-2013	4.6 V8		278.928		Left	250-25042		250-24253
					Right	250-25042		250-24253
2012-2008	5.5 V8		273.963		Left	250-25043		250-24686
					Right	250-25043		250-24675
GLA45 AMG								
2015	2.0 L4		133.980			250-25043		250-241145
GLA250								
2015	2.0 L4		270.920			250-25043		250-241145
GLC300								
2017-2016	2.0 L4		274.920			250-25044		250-241159
GLE300d								
2016	2.1 L4		651.960	Diesel		250-25126		
GLK250								
2015-2013	2.1 L4		651.912	Diesel		250-25126		
GLK350								
2015-2013	3.5 V6		276.957		Left	250-25043		250-24253
					Right	250-25043		250-24253
2012-2010	3.5 V6		272.971	4Matic	Left	250-25043		250-24686
				4Matic	Right	250-25043		250-24686
2012-2010	3.5 V6		272.991	Base	Left	250-25043		250-24675
				Base	Right	250-25043		250-24675
ML55 AMG								
2003-2000	5.5 V8				Left	250-24609		250-24609
					Right	250-24609		250-24609
ML63 AMG								
2015-2012	5.5 V8		157.982		Left	250-25042		250-24253
					Right	250-25042		250-24253
2011-2007	6.3 V8		156.980		Left	250-25043		250-24686
					Right	250-25043		250-24686
ML250								
2015	2.1 L4		651.960	Diesel		250-25126		
ML320								
2009-2008	3.0 V6		642.820, 642.940	Diesel		250-25042		
2007	3.0 V6		642.940	Diesel		250-25043		
2003-2001	3.2 V6		112.942		Left	250-24469		250-24469
					Right	250-24469		250-24469
2000-1998	3.2 V6		112.942		Left	250-24609		250-24609
					Right	250-24609		250-24609
ML350								
2014-2011	3.0 V6		642.820, 642.826	Diesel		250-25088		250-25088
2015-2012	3.5 V6		276.955		Left	250-25042		250-24253
					Right	250-25042		250-24253
2011-2006	3.5 V6		272.967		Left	250-25043		250-24686
					Right	250-25043		250-24675
2005-2003	3.7 V6				Left	250-24469		250-24469
					Right	250-24469		250-24469
ML430								
2001	4.3 V8		113.942		Left	250-24469		250-24469
					Right	250-24469		250-24469
2000-1999	4.3 V8		113.942		Left	250-24609		250-24609
					Right	250-24609		250-24609
ML450								
2011-2010	3.5 V6		272.973		Left	250-25044		250-24752
					Right	250-25044		250-24752

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
ML500								
2007-2006	5.0 V8		113.964		Left Right	250-24468 250-24468		250-24465 250-24465
2005-2002	5.0 V8				Left Right	250-24469 250-24469		250-24469 250-24469
ML550								
2014-2012	4.6 V8		278.928		Left Right	250-25042 250-25042		250-24253 250-24253
2011-2008	5.5 V8		273.963		Left Right	250-25043 250-25043		250-24686 250-24675
R63 AMG								
2007	6.3 V8		156.980		Left Right	250-25043 250-25043		250-24686 250-24686
R320								
2009-2007	3.0 V6		642.870, 642.950	Diesel				250-25042
R350								
2012-2011	3.0 V6			Diesel				250-25088
2010	3.0 V6		642.870	Diesel, From Chassis/VIN A 094585				250-25088
2010	3.0 V6		642.870	Diesel, To Chassis/VIN A 101972				250-25042
2012	3.5 V6				Left Right	250-25042 250-25042		250-24253 250-24253
2011-2006	3.5 V6		272.967		Left Right	250-25043 250-25043		250-24686 250-24675
R500								
2007-2006	5.0 V8		113.971		Left Right	250-24468 250-24468		250-24465 250-24465
S55 AMG								
2006-2001	5.5 V8		113.986		Left Right	250-24469 250-24469		250-24469 250-24469
S63 AMG								
2015-2014	5.5 V8		157.985		Left Right	250-25043 250-25043		250-24680 250-24680
2013-2011	5.5 V8		157.980		Left Right	250-25043 250-25043		250-24253 250-24253
2010-2008	6.3 V8		156.984		Left Right	250-25045 250-25045		250-24686 250-24686
S65 AMG								
2013-2006	6.0 V12		275.980, 275.982		Left Right	250-24469 250-24469		250-24469 250-24469
S320								
1999-1997	3.2 L6		104.994			250-24610		250-24610
1996	3.2 L6					250-24386		250-24386
1995	3.2 L6					250-24386		250-24625
1994	3.2 L6					250-24038		250-24625
S350								
2013-2012	3.0 V6		642.868	Diesel				250-25042
2006	3.7 V6				Left Right	250-24469 250-24469		250-24469 250-24469
S400								
2013-2010	3.5 V6		272.974		Left Right	250-25042 250-25043		250-24686 250-24686
S420								
1999-1996	4.2 V8		119.981		Left Right	250-24610 250-24610		250-24387 250-24609
1995-1994	4.2 V8					250-24038		
S430								
2006-2001	4.3 V8		113.941, 113.948		Left Right	250-24469 250-24469		250-24469 250-24469
2000	4.3 V8				Left Right	250-24610 250-24610		250-24609 250-24609
S500								
2006-2001	5.0 V8		113.960, 113.966		Left Right	250-24469 250-24469		250-24469 250-24469

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
S500 (cont'd)								
2000	5.0 V8		113.960		Left Right	250-24610 250-24610		250-24609 250-24609
1999-1996	5.0 V8		119.980		Left Right	250-24610 250-24610		250-24387 250-24609
1995-1994	5.0 V8					250-24038		
S550								
2015-2013	4.6 V8		278.929, 278.932		Left Right	250-25043 250-25043		250-24680 250-24680
2012	4.6 V8			4Matic	Left	250-25043		250-24680
2012	4.6 V8			4Matic Base	Right	250-25043		250-24680
2011-2008	5.5 V8		273.968	Base	Left Right	250-25043 250-25043		250-24253 250-24253
2011-2007	5.5 V8		273.961		Left Right	250-25043 250-25042		250-24686 250-24686
2007	5.5 V8		273.968		Left Right	250-25043 250-25042		250-24686 250-24675
S600								
2013-2003	5.5 V12		275.953		Left Right	250-24469 250-24469		250-24469 250-24469
2002-2001	5.8 V12				Left Right	250-24469 250-24469		250-24469 250-24469
2015	6.0 V12		277.980		Left Right	250-25042 250-25042		250-241145 250-241145
1999-1996	6.0 V12		120.982		Left Right	250-24609 250-24609		250-24610 250-24610
1995-1994	6.0 V12				Left Right	250-24038 250-24038		
SL55 AMG								
2008-2003	5.5 V8		113.992, 113.995		Left Right	250-24469 250-24469		250-24465 250-24465
SL63 AMG								
2015-2013	5.5 V8		157.983		Left Right	250-25043 250-25043		250-24253 250-24253
2012-2011	6.3 V8		156.981		Left Right	250-25045 250-25045		250-24675 250-24675
2009	6.3 V8		156.981		Left Right	250-25045 250-25045		250-24675 250-24675
SL65 AMG								
2015-2014	6.0 V12		279.981		Left Right	250-25042 250-25042		250-241145 250-241145
2013	6.0 V12		279.981	From 03/30/2012	Left	250-25042		250-241145
2013	6.0 V12		279.981	From 03/30/2012 To 03/30/2012	Right	250-25042		250-241145
2011	6.0 V12		275.981	To 03/30/2012	Left	250-25042		250-241159
2009-2005	6.0 V12		275.981, 275.983	To 03/30/2012	Right	250-25042		250-241159
					Left	250-24469		250-24469
					Right	250-24469		250-24469
SL320								
1997	3.2 L6					250-24609		250-24610
1996	3.2 L6					250-24140		250-24038
1995-1994	3.2 L6					250-24038		250-24038
SL500								
2006-2003	5.0 V8		113.963		Left Right	250-24469 250-24469		250-24465 250-24465
2002-1999	5.0 V8		113.961		Left Right	250-24143 250-24610		250-24387 250-24387
1998-1996	5.0 V8				Left Right	250-24143 250-24609		250-24609 250-24609
1995-1994	5.0 V8					250-24038		
SL550								
2015-2013	4.6 V8		278.927		Left Right	250-25043 250-25043		250-24253 250-24253

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCEDES-BENZ (cont'd)								
SL550 (cont'd)								
2012-2011	5.5 V8		273.965		Left Right	250-25043 250-25043		250-24675 250-24675
2009-2007	5.5 V8		273.965		Left Right	250-25043 250-25043		250-24675 250-24675
SL600								
2009-2004	5.5 V12		275.951, 275.954		Left Right	250-24469 250-24469		250-24469 250-24469
2002-1996	6.0 V12		120.983		Left Right	250-24609 250-24609		250-24609 250-24609
1995-1994	6.0 V12				Left Right	250-24038 250-24038		
SLC300								
2017	2.0 L4		274.920			250-25044		250-241159
SLK32 AMG								
2004-2002	3.2 V6				Left Right	250-24469 250-24469		250-24469 250-24469
SLK55 AMG								
2015-2012	5.5 V8		152.980		Left Right	250-25093 250-25043		250-24460 250-24460
2010-2005	5.5 V8		113.989		Left Right	250-24468 250-24468		250-24466 250-24466
SLK230								
2004-2000	2.3 L4		111.973, 111.983			250-24469		250-24469
1999-1998	2.3 L4		111.973			250-24412		250-24609
SLK250								
2015-2012	1.8 L4		271.861			250-25018		250-241035
SLK280								
2008-2006	3.0 V6		272.942		Left Right	250-25043 250-25043		250-24675 250-24675
SLK300								
2016	2.0 L4		274.920			250-25044		250-241159
2011-2009	3.0 V6		272.942		Left Right	250-25043 250-25043		250-24675 250-24675
SLK320								
2004-2001	3.2 V6				Left Right	250-24469 250-24469		250-24469 250-24469
SLK350								
2013-2012	3.5 V6		276.956		Left Right	250-25093 250-25093		250-24253 250-24253
2011-2005	3.5 V6		272.963, 272.969		Left Right	250-25043 250-25043		250-24675 250-24675
SLR McLaren								
2009-2005	5.5 V8		155.980		Left Right	250-24469 250-24469		250-24465 250-24465
SLS AMG								
2015-2011	6.3 V8		159.980		Left Right	250-25045 250-25045		250-24752 250-24752
Sprinter 2500								
2013	3.0 V6		642.896			Diesel		
2012-2010	3.0 V6					Diesel		250-25091
Sprinter 3500								
2013	3.0 V6		642.896			Diesel		
2012-2010	3.0 V6					Diesel		250-25091
MERCURY								
Bobcat								
1980	2.3 L4	A		Calif-ESV		250-21003		
Capri								
1994-1991	1.6 L4					250-21012		
1986-1985	2.3 L4					250-21003		
1984	2.3 L4					250-21003 250-23001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCURY (cont'd)								
Capri (cont'd)								
1983-1980	2.3 L4					250-21003		
1986-1984	3.8 V6					250-21003		
1982-1981	4.2 V8					250-21003		
1986-1984	5.0 V8					250-23001		
1984	5.0 V8			A/T Only		250-21003		
Colony Park								
1991-1987	5.0 V8	F			Left Right	250-23002 250-23002		
Cougar								
2002-2000	2.0 L4					250-24302		250-24001
1999	2.0 L4					250-24016		250-24001
1986-1985	2.3 L4					250-21003		
1984	2.3 L4					250-23001		
1981	2.3 L4					250-21003		
2002-2000	2.5 V6					250-24302		250-24001
1999	2.5 V6			From 5/99		250-24302		250-24001
1999	2.5 V6			To 5/99		250-24015		250-24001
1997-1996	3.8 V6				Left Right	250-24001 250-24001		250-24001 250-24001
1995-1991	3.8 V6				Left Right	250-24001 250-24001		
1990-1988	3.8 V6				Left Right	250-23002 250-23002		
1987	3.8 V6				Left Right	250-21003 250-21003		
1986-1984	3.8 V6					250-21003		
1982	3.8 V6			Calif-ESV		250-21003		
1982-1981	4.2 V8					250-21003		
1997-1996	4.6 V8				Left Right	250-24001 250-24001		250-24001 250-24001
1995-1994	4.6 V8				Left Right	250-24001 250-24001		
1993-1991	5.0 V8				Left Right	250-24001 250-24001		
1988-1987	5.0 V8				Left Right	250-23002 250-23002		
1986	5.0 V8					250-23001		
1985-1983	5.0 V8					250-21003		
1981	5.0 V8					250-21003		
Grand Marquis								
1982-1981	4.2 V8					250-21003		
2011-1999	4.6 V8				Left Right	250-24302 250-24302		250-24001 250-24001
1998	4.6 V8				Left Right	250-24749 250-24749		250-24001 250-24001
1997-1996	4.6 V8				Left Right	250-24001 250-24001		250-24001 250-24001
1995-1992	4.6 V8				Left Right	250-24001 250-24001		
1991-1987	5.0 V8				Left Right	250-23002 250-23002		
1986	5.0 V8					250-23001		
1985-1980	5.0 V8					250-21003		
1986	5.8 V8					250-21003		
1981-1980	5.8 V8					250-21003		
LN7								
1983	1.6 L4	4, 5				250-21003		
Lynx								
1985-1983	1.6 L4					250-21003		
1987	1.9 L4	9, J				250-23002		
1986	1.9 L4	9, J				250-23001		
Marauder								
2004-2003	4.6 V8				Left Right	250-24302 250-24302		250-24001 250-24001

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCURY (cont'd)								
Mariner								
2008-2005	2.3 L4	H, Z				250-24301		250-24001
2011	2.5 L4	3				250-25049		250-24989
2011	2.5 L4	7				250-25086		250-24989
2010-2009	2.5 L4	3				250-25049		250-24001
2010	2.5 L4	7				250-25086		250-24127
2009	2.5 L4	7				250-24301		250-24127
2011	3.0 V6	G			Front	250-25086		250-24989
					Rear	250-25086		250-24989
2010	3.0 V6	G			Front	250-25086		250-24127
					Rear	250-25086		250-24127
2009	3.0 V6	G			Front	250-24301		250-24127
					Rear	250-24301		250-24127
2008-2007	3.0 V6	1			Front	250-24749		250-24127
					Rear	250-24749		250-24127
2006	3.0 V6	1			Front	250-24302		250-24127
					Rear	250-24749		250-24127
2005	3.0 V6	1			Front	250-24749		250-24127
					Rear	250-24302		250-24127
Marquis								
1986-1983	2.3 L4					250-21003		
1986-1984	3.8 V6					250-21003		
1982-1981	4.2 V8					250-21003		
1982-1980	5.0 V8					250-21003		
1981-1980	5.8 V8					250-21003		
Milan								
2009-2006	2.3 L4	Z		Calif-ESV		250-24301	250-24001	250-24001
2009-2006	2.3 L4	Z		Non Calif-ESV		250-24301		250-24001
2011	2.5 L4	3				250-25049		250-24989
2011	2.5 L4	A		A/T		250-25086		250-24989
2011	2.5 L4	A		M/T		250-24999		250-24989
2010	2.5 L4	A		A/T		250-25086		250-24127
2010	2.5 L4	3		Hybrid		250-25049		250-24001
2010	2.5 L4	A		M/T		250-25049		250-24127
2011	3.0 V6	G			Front	250-25086		250-24989
					Rear	250-25086		250-24983
2010	3.0 V6	G		From 08/03/2009	Front	250-25086		250-24001
				From 08/03/2009	Rear	250-25086		250-24001
2010	3.0 V6	G		To 08/03/2009	Front	250-25060		250-24001
				To 08/03/2009	Rear	250-25060		250-24001
2009-2007	3.0 V6	1		AWD	Front	250-24301		250-24001
				AWD	Rear	250-24301		250-24001
2009-2007	3.0 V6	1		FWD	Front	250-24301		250-24001
				FWD	Rear	250-24301		250-24127
2006	3.0 V6	1			Front	250-24301		250-24001
					Rear	250-24301		250-24001
Montego								
2007-2005	3.0 V6				Front	250-24302		250-24001
					Rear	250-24749		250-24001
Monterey								
2007-2004	4.2 V6	2			Front	250-241127		250-24001
					Rear	250-241127		250-24001
Mountaineer								
2010-2003	4.0 V6				Left	250-241127		250-24001
					Right	250-241127		250-24001
2002	4.0 V6				Left	250-24749		250-24001
					Right	250-24749		250-24001
2001-1999	4.0 V6				Left	250-24701		250-24001
					Right	250-24701		250-24001
1998	4.0 V6				Left	250-24127		250-24001
					Right	250-24001		250-24001
2010-2002	4.6 V8				Left	250-241127		250-24001
					Right	250-241127		250-24001
2001-2000	5.0 V8				Left	250-24701		250-24001
					Right	250-24701		250-24001
1999	5.0 V8				Left	250-241127		250-24001
					Right	250-24701		250-24001

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERCURY (cont'd)								
Mountaineer (cont'd)								
1998-1997	5.0 V8				Left Right	250-24001 250-24001		250-24001 250-24001
Mystique								
2000	2.0 L4	3				250-24302		250-24001
1999-1996	2.0 L4	3				250-24016		250-24001
1995	2.0 L4	3				250-24016		
2000	2.5 V6	L				250-24302		250-24001
1999-1996	2.5 V6	L				250-24015		250-24001
1995	2.5 V6	L				250-24015		
Sable								
1986	2.5 L4					250-21004		
2005-2001	3.0 V6				Front Rear	250-24749 250-24749		250-24001 250-24001
2000	3.0 V6				Front Rear	250-24302 250-24302		250-24001 250-24001
1999	3.0 V6			Calif-ESV Calif-ESV	Front Rear	250-24302 250-24302		250-24001 250-24001
1999	3.0 V6			Non Calif-ESV Non Calif-ESV	Front Rear	250-24001 250-24001		250-24001 250-24001
1998-1996	3.0 V6				Front Rear	250-24001 250-24001		250-24001 250-24001
1995-1991	3.0 V6				Front Rear	250-24001 250-24001		
1990-1988	3.0 V6				Front Rear	250-23002 250-23002		
1987	3.0 V6					250-23002		
1986	3.0 V6					250-23001		
2009-2008	3.5 V6			Calif-ESV Calif-ESV	Front Rear	250-25034 250-25034		250-24001 250-24001
2009-2008	3.5 V6			Non Calif-ESV Non Calif-ESV	Front Rear	250-24301 250-24301		250-24001 250-24001
1995-1991	3.8 V6				Front Rear	250-24001 250-24001		
1990-1988	3.8 V6				Front Rear	250-23002 250-23002		
Topaz								
1994-1992	2.3 L4					250-24001		
1991-1987	2.3 L4					250-23007		
1986-1984	2.3 L4					250-21004		
1994-1992	3.0 V6					250-24001		
Tracer								
1989-1988	1.6 L4	5				250-21012		
1996	1.8 L4	8				250-24293		250-24245
1995	1.8 L4	8				250-24245		
1994-1991	1.8 L4	8				250-21010		
1996	1.9 L4	J				250-24001		250-24070
1995-1992	1.9 L4	J				250-24001		
1991	1.9 L4	J				250-23002		
1999-1997	2.0 L4	P				250-24001		250-24070
Villager								
1998-1996	3.0 V6					250-23075		250-24626
1995-1994	3.0 V6					250-23075		
1993	3.0 V6					250-23509		
2002-2000	3.3 V6					250-23089		250-24371
1999	3.3 V6			Calif-ESV		250-23089		250-24371
1999	3.3 V6			Non Calif-ESV		250-23075		250-24433
Zephyr								
1983-1980	2.3 L4	A				250-21003		
1981	4.2 V8	D				250-21003		
MERKUR								
Scorpio								
1989	2.9 V6	V		OEM # E6TZ9F472A		250-23001		
1989	2.9 V6	V		OEM # E7RY9F472A		250-23062		
1988	2.9 V6	V				250-23062		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MERKUR (cont'd)								
XR4Ti								
1989-1985	2.3 L4	W				250-21004		
MINI								
Cooper								
2017-2014	1.5 L3		B36A15M0, B38A15M0			250-25106		250-241192
2015-2011	1.6 L4		N16B16A			250-25087		250-24546
2015-2011	1.6 L4		N18B16A, N18B16C	Turbocharged		250-25087		250-24546
2012	1.6 L4		N14B16C			250-25044		250-24546
2011	1.6 L4		N14B16C	Turbocharged		250-25044		250-24546
2010-2009	1.6 L4		N12B16A			250-25095		250-24546
2010-2007	1.6 L4		N14B16A, N14B16C			250-25044		250-24546
2008-2007	1.6 L4		N12B16A			250-25042		250-24546
2008	1.6 L4		W10B16A, W11B16A			250-24775		250-24775
2007	1.6 L4		W10B16A, W11B16A	Convertible		250-24775		250-24775
2006-2002	1.6 L4		W10B16A, W11B16A			250-24775		250-24775
Cooper Clubman								
2017-2016	1.5 L3		B36A15M0			250-25106		250-241192
Cooper Countryman								
2017	1.5 L3		B36A15M0			250-25106		250-241192
2016-2011	1.6 L4		N16B16A, N18B16A, N18B16C			250-25087		250-24546
Cooper Paceman								
2016-2013	1.6 L4		N16B16A, N18B16A, N18B16C			250-25087		250-24546
MINI								
3000GT								
1999-1998	3.0 V6	J		Non-Turbo, DOHC	Front	250-24235		250-24241
				Non-Turbo, DOHC	Rear	250-24236		250-24630
1999-1998	3.0 V6	H		Non-Turbo, SOHC	Front	250-24630		250-24241
				Non-Turbo, SOHC	Rear	250-24236		250-24630
1999-1998	3.0 V6	K		Turbo	Front	250-24630		250-24241
				Turbo	Rear	250-24236		250-24630
1997-1996	3.0 V6	J		Non-Turbo, DOHC	Front	250-24235		250-24630
				Non-Turbo, DOHC	Rear	250-24236		250-24241
1997-1994	3.0 V6	K		Turbo	Front	250-24630		250-24630
				Turbo	Rear	250-24236		250-24241
1997	3.0 V6	H		Non-Turbo, SOHC	Front	250-24630		250-24630
				Non-Turbo, SOHC	Rear	250-24236		250-24241
1995-1994	3.0 V6	J		Calif-ESV	Front	250-24235		250-24630
				Calif-ESV	Rear	250-24236		250-24241
1995-1994	3.0 V6	J		Non Calif-ESV		250-24231		
1993-1991	3.0 V6	B, J		Non-Turbo, DOHC		250-24231		
1993-1991	3.0 V6	C, K		Turbo	Front	250-24630		
				Turbo	Rear	250-24236		
Cordia								
1988-1983	1.8 L4					250-21005		
1988-1984	2.0 L4	D				250-21005		
Diamante								
1996-1995	3.0 V6	H		SOHC	Front	250-24235		250-24630
				SOHC	Rear	250-24026		250-24241
1995	3.0 V6	J		DOHC	Front	250-24235		250-24630
				DOHC	Rear	250-24236		250-24241
1994	3.0 V6	H, S		Calif-ESV	Front	250-24235		250-24630
				Calif-ESV	Rear	250-24026		250-24241
1994	3.0 V6	J		Calif-ESV	Front	250-24235		250-24630
				Calif-ESV	Rear	250-24236		250-24241
1994	3.0 V6	H, J, S		Non Calif-ESV	Front	250-24231		
				Non Calif-ESV	Rear	250-24231		
1993-1992	3.0 V6	B, H, J, S				250-24231		
2004-2001	3.5 V6	P	6G74		Front	250-24633		250-24241
					Rear	250-24233		250-24235
2000-1999	3.5 V6		6G74	Calif-ESV	Front	250-24633		250-24241
				Calif-ESV	Rear	250-24233		250-24235
2000-1999	3.5 V6		6G74	Non Calif-ESV	Front	250-24224		250-24224
				Non Calif-ESV	Rear	250-24224		250-24224

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MITSUBISHI (cont'd)								
Diamante (cont'd)								
1998-1997	3.5 V6	P	6G74		Front Rear	250-24224 250-24224		250-24224 250-24224
Eclipse								
1994-1991	1.8 L4					250-22002		
1990	1.8 L4	T		Calif-ESV		250-22002		
1990	1.8 L4	T		Non Calif-ESV		250-21007		
1999	2.0 L4	Y	420A	Non Turbo		250-24076		250-24083
1999	2.0 L4	F	4G63T	Turbo, AWD		250-24026		250-24231
1999	2.0 L4	F	4G63T	Turbo, FWD		250-24026		250-24224
1998-1997	2.0 L4	Y	420A	RS/GS Models		250-24076		250-24083
1998-1995	2.0 L4	F	4G63	GST Models		250-24026		250-24224
1998-1995	2.0 L4	F	4G63	GSX Models		250-24026		250-24231
1996-1995	2.0 L4	Y	420A	RS/GS Models		250-24003		250-24083
1994-1990	2.0 L4					250-24007		
2012-2006	2.4 L4	F	4G69		Cyl 1,2 Cyl 3,4	250-24242 250-24662		250-24026 250-24236
2005-2001	2.4 L4	G	4G64			250-24633		250-24243
2000	2.4 L4	G	4G64	Calif-ESV		250-24633		250-24243
2000	2.4 L4	G	4G64	Non Calif-ESV		250-24224		250-24224
1999-1998	2.4 L4	G	4G64	Calif-ESV		250-24633		250-24237
1999-1998	2.4 L4	G	4G64	Non Calif-ESV		250-24229		250-24224
1997-1996	2.4 L4	G	4G64			250-24229		250-24224
2005-2001	3.0 V6				Front Rear	250-24233 250-24233		250-24241 250-24241
2000	3.0 V6	L		Calif-ESV Calif-ESV	Front Rear	250-24233 250-24233		250-24241 250-24241
2000	3.0 V6	L		Non Calif-ESV Non Calif-ESV	Front Rear	250-24224 250-24224		250-24232 250-24232
2012	3.8 V6	T			Front Rear	250-24233 250-24233		250-24240 250-24241
2011	3.8 V6				Front Rear	250-24233 250-24233		250-24239 250-24240
2010-2006	3.8 V6	T			Front Rear	250-24233 250-24233		250-24240 250-24241
Endeavor								
2011-2010	3.8 V6				Front Rear	250-24233 250-24633		250-24240 250-24241
2008-2004	3.8 V6				Front Rear	250-24233 250-24633		250-24240 250-24241
Expo								
1995-1994	2.4 L4	G	4G64	4WD		250-24229	250-24228	250-24224
1995	2.4 L4	G	4G64	2WD, Calif-ESV		250-24235		250-24224
1995	2.4 L4	G	4G64	2WD, Non Calif-ESV		250-24228		250-24224
1994	2.4 L4	G	4G64	2WD		250-24228		250-24224
1993	2.4 L4	G	4G64	Calif-ESV, 2WD		250-24228		250-24224
1993	2.4 L4	G	4G64	Calif-ESV, 4WD		250-24229		250-24224
1993	2.4 L4	G	4G64	Non Calif-ESV, AWD		250-22066		
1993	2.4 L4	G	4G64	Non Calif-ESV, FWD		250-22066		
1992	2.4 L4	W	4G64			250-22066		
Expo LRV								
1994	1.8 L4	C				250-24229		250-24224
1993	1.8 L4	C	4G93	Calif-ESV		250-24229		250-24224
1993	1.8 L4	C	4G93	Non Calif-ESV		250-22066		
1992	1.8 L4	D				250-22066		
1994	2.4 L4	G				250-24228		250-24224
1993	2.4 L4	G		Calif-ESV, 2WD		250-24228		250-24224
1993	2.4 L4	G		Calif-ESV, 4WD		250-24229		250-24224
1993	2.4 L4	G		Non Calif-ESV		250-22066		
Galant								
1993	2.0 L4			Calif-ESV To 06/01/1992		250-22002		
1993	2.0 L4			From 06/01/1992		250-22066		
1993	2.0 L4			Non Calif-ESV To 06/01/1992		250-21005		
1992-1991	2.0 L4			Non-Turbo		250-24091		
1992-1991	2.0 L4			Turbo		250-24007		
1992-1989	2.0 L4			Calif-ESV		250-22002		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MITSUBISHI (cont'd)								
Galant (cont'd)								
1992-1989	2.0 L4			Non Calif-ESV		250-21005		
1990-1989	2.0 L4					250-24007		
2011-2004	2.4 L4	F	4G69		Cyl 1,2 Cyl 3,4	250-24662 250-24662		250-24026 250-24236
2003-2001	2.4 L4					250-24633		250-24243
2000-1999	2.4 L4			Calif-ESV		250-24633		250-24243
2000-1999	2.4 L4			Non Calif-ESV		250-24224		250-24224
1998-1995	2.4 L4			Calif-ESV		250-24633		250-24017
1998-1995	2.4 L4			Non Calif-ESV		250-24020		250-24017
1994	2.4 L4					250-24020		250-24017
1987-1985	2.4 L4					250-21007		
2003-2001	3.0 V6				Front Rear	250-24233 250-24233		250-24241 250-24241
2000-1999	3.0 V6			Calif-ESV Calif-ESV	Front Rear	250-24233 250-24233		250-24241 250-24241
2000-1999	3.0 V6			Non Calif-ESV		250-24224		250-24224
1988	3.0 V6			Calif-ESV		250-24229		
1988	3.0 V6			Non Calif-ESV		250-22064		
2009-2004	3.8 V6				Front Rear	250-24233 250-24233		250-24240 250-24241
Lancer								
2011-2010	2.0 L4	V	4B11			250-24751		250-24751
2010	2.0 L4	U	4B11	Calif-ESV		250-24633	250-24751	250-24742
2010	2.0 L4	U	4B11	Non Calif-ESV		250-24633	250-24751	250-24751
2009-2008	2.0 L4	U	4B11	Naturally Aspirated, Calif-ESV		250-24633	250-24751	250-24742
2009-2008	2.0 L4	U	4B11	Naturally Aspirated, Non Calif-ESV		250-24633	250-24751	250-24751
2009-2008	2.0 L4	V	4B11	Turbo		250-24751		250-24751
2007	2.0 L4					250-24233		250-24224
2006-2005	2.0 L4			Non-Turbo		250-24233		250-24224
2006	2.0 L4			Turbo		250-24631		250-24709
2005	2.0 L4			Turbo		250-24631		250-24653
2004	2.0 L4			Naturally Aspirated, Calif-ESV		250-24233		250-24224
2004	2.0 L4			Turbocharged, From 09/02/03		250-24631		250-24653
2004	2.0 L4			Turbocharged, To 09/01/03		250-24631		250-24224
2003	2.0 L4			Non-Turbo		250-24233		250-24224
2003	2.0 L4			Turbo		250-24631		250-24224
2002	2.0 L4					250-24233		250-24224
2011	2.4 L4	W	4B12	Calif-ESV		250-25084	250-24751	250-24742
2011	2.4 L4	W	4B12	Non Calif-ESV		250-25083		250-24751
2010-2009	2.4 L4			Calif-ESV		250-24633	250-24751	250-24742
2010-2009	2.4 L4			Non Calif-ESV		250-24633	250-24751	250-24751
2006-2004	2.4 L4					250-24017		250-24653
Mighty Max								
1989-1984	2.0 L4	D				250-21005		
1996	2.4 L4	G	4G64	A/T		250-24237		250-24238
1996	2.4 L4	G	4G64	M/T		250-24228		250-24238
1995-1993	2.4 L4	G	4G64	Calif-ESV , A/T		250-24237		250-24238
1995-1993	2.4 L4	G	4G64	Calif-ESV , M/T		250-24228		250-24238
1995-1993	2.4 L4	G	4G64	Non Calif-ESV		250-22067		
1992-1991	2.4 L4	W				250-22067		
1990	2.4 L4	W		Calif-ESV		250-22067		
1990	2.4 L4	W		Non Calif-ESV		250-21061		
1989-1984	2.6 L4	E				250-21005		
1994-1990	3.0 V6	H, S				250-24237		
Mirage								
2002-2001	1.5 L4		4G15			250-24633		250-24630
2000-1997	1.5 L4		4G15	Calif-ESV		250-24633		250-24630
2000-1997	1.5 L4		4G15	Non Calif-ESV		250-24630		250-24232
1996-1995	1.5 L4		4G15	Calif-ESV		250-24020		250-24633
1996-1995	1.5 L4		4G15	Non Calif-ESV		250-24020		250-24472
1994	1.5 L4		4G15			250-24020		250-24472
1993	1.5 L4		4G15	Calif-ESV		250-24020		250-24472
1993	1.5 L4		4G15	Non Calif-ESV		250-22066		
1992-1991	1.5 L4		4G15			250-22066		
1990	1.5 L4					250-22002		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MITSUBISHI (cont'd)								
Mirage (cont'd)								
1989	1.5 L4			Calif-ESV		250-22002		
1989	1.5 L4			Non Calif-ESV		250-21007		
1988-1987	1.5 L4					250-21007		
1986-1985	1.5 L4					250-21005		
1992-1991	1.6 L4					250-24007		
1989	1.6 L4					250-24007		
1988-1987	1.6 L4					250-21007		
1986-1985	1.6 L4					250-21005		
2002-2001	1.8 L4		4G93			250-24233		250-24630
2000-1998	1.8 L4		4G93	Calif-ESV		250-24233		250-24630
2000-1997	1.8 L4		4G93	Non Calif-ESV		250-24630		250-24232
1997	1.8 L4		4G93	Calif-ESV		250-24630		250-24630
1996-1995	1.8 L4		4G93	Calif-ESV		250-24235	250-24229	250-24232
1996-1995	1.8 L4		4G93	Non Calif-ESV		250-24229		250-24232
1994	1.8 L4		4G93			250-24229		250-24232
1993	1.8 L4		4G93	Calif-ESV		250-24229		250-24232
1993	1.8 L4		4G93	Non Calif-ESV		250-22066		
Montero								
1989-1983	2.6 L4					250-21005		
1996	3.0 V6			Calif-ESV	Left	250-24236		250-24235
				Calif-ESV	Right	250-24235		250-24241
1996	3.0 V6			Non Calif-ESV		250-24230		250-24241
1995	3.0 V6			Calif-ESV	Left	250-24236		250-24630
				Calif-ESV	Right	250-24235		250-24239
1995	3.0 V6			Non Calif-ESV, A/T		250-24235		
1995	3.0 V6			Non Calif-ESV, M/T		250-24230		
1994-1992	3.0 V6					250-24230		
1991-1990	3.0 V6					250-24126		
1989	3.0 V6					250-22065		
2002	3.5 V6				Left	250-24242		250-24235
					Right	250-24631		250-24241
2001	3.5 V6				Left	250-24242		250-24241
					Right	250-24631		250-24235
2000-1998	3.5 V6			Calif-ESV	Left	250-24242		250-24235
				Calif-ESV	Right	250-24633		250-24241
2000-1997	3.5 V6			Non Calif-ESV		250-24235		250-24241
1997	3.5 V6			Calif-ESV	Left	250-24241		250-24235
				Calif-ESV	Right	250-24235		250-24241
1996	3.5 V6					250-24235		250-24241
1995	3.5 V6			Calif-ESV		250-24235		250-24241
1995	3.5 V6			Non Calif-ESV		250-24235		
1994	3.5 V6					250-24235		
2006-2003	3.8 V6				Left	250-24242		250-24235
					Right	250-24631		250-24241
Montero Sport								
1999-1997	2.4 L4			Calif-ESV		250-24026		250-24230
1999-1997	2.4 L4			Non Calif-ESV		250-24230		250-24235
2003-2001	3.0 V6				Left	250-24242		250-24235
					Right	250-24631		250-24239
2000-1999	3.0 V6			Calif-ESV	Left	250-24242		250-24235
				Calif-ESV	Right	250-24631		250-24239
2000-1997	3.0 V6			Non Calif-ESV		250-24234		250-24235
1998-1997	3.0 V6			Calif-ESV	Left	250-24241		250-24235
				Calif-ESV	Right	250-24235		250-24239
2004-2001	3.5 V6				Left	250-24242		250-24235
					Right	250-24631		250-24239
2000-1999	3.5 V6			Calif-ESV	Left	250-24242		250-24235
				Calif-ESV	Right	250-24631		250-24239
2000-1999	3.5 V6			Non Calif-ESV		250-24234		250-24235
Outlander								
2011	2.4 L4	W				250-25083		250-24751
2010	2.4 L4	W		Calif-ESV		250-25084	250-24751	250-24742
2010	2.4 L4	W	4B12	Non Calif-ESV		250-24751		250-24751
2009-2008	2.4 L4	W	4B12			250-24751		250-24751
2006-2004	2.4 L4	F	4G69			250-24484		250-24653
2003	2.4 L4		4G64	AWD		250-24484		250-24224

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
MITSUBISHI (cont'd)								
Outlander (cont'd)								
2003	2.4 L4		4G64	FWD		250-24484		250-24232
2011-2007	3.0 V6	X	6B31		Left Right	250-24233 250-24242	250-24241 250-24236	•250-24742
Outlander Sport								
2011	2.0 L4	U	4B11	Calif-ESV		250-25084	250-24751	250-24742
2011	2.0 L4	U	4B11	Non Calif-ESV		250-25083		250-24751
Precis								
1994	1.5 L4	J				250-24280		250-24289
1993-1990	1.5 L4	J		Non Calif-ESV		250-21007		
1993	1.5 L4	J		Calif-ESV		250-24280		250-24289
1992-1990	1.5 L4	J		Calif-ESV		250-22002		
1989-1988	1.5 L4	J				250-21005		
1987	1.5 L4	J		From 5/87		250-21005		
1987	1.5 L4	J		To 5/87		250-21007		
Raider								
2009-2007	3.7 V6	K			Left Right	250-24253 250-24460		250-24460 250-24460
2006	3.7 V6	K			Left Right	250-24680 250-24460		250-24460 250-24253
2007	4.7 V8	N			Left Right	250-241117 250-24251		250-24251 250-24251
2006	4.7 V8	N			Left Right	250-241117 250-24251		250-24251 250-241117
Sigma								
1990-1989	3.0 V6	S		Calif-ESV		250-24229		
1990-1989	3.0 V6	S		Non Calif-ESV		250-22064		
Starion								
1989-1983	2.6 L4					250-21060		
Tredia								
1988-1983	1.8 L4	G	G62B			250-21005		
1988-1984	2.0 L4	D				250-21005		
Van								
1990-1987	2.4 L4					250-21007		
NISSAN								
200SX								
1998-1997	1.6 L4	A	GA16DE			250-23089		250-24103
1996-1995	1.6 L4	A	GA16DE	Calif-ESV		250-23089		250-23502
1996	1.6 L4	A	GA16DE	Non Calif-ESV , From 5/96		250-23089		250-23505
1996	1.6 L4	A	GA16DE	Non Calif-ESV , To 5/96		250-21013		250-23505
1995	1.6 L4	A	GA16DE	Non Calif-ESV		250-21013		250-23505
1986	1.8 L4	C	CA18ET	From 1/86		250-23087		
1986	1.8 L4	C	CA18ET	To 1/86		250-23089		
1985-1984	1.8 L4	C	CA18ET			250-23089		
1998	2.0 L4		SR20DE			250-23089		250-24397
1997-1995	2.0 L4	B	SR20DE			250-23089		250-23505
1988-1984	2.0 L4	H, P	CA20E			250-21013		
1981-1980	2.0 L4	P	Z20E			250-21013		
1983-1982	2.2 L4	R	Z22E			250-21013		
1988-1987	3.0 V6	H	VG30E			250-24506		
240SX								
1998-1997	2.4 L4	A	KA24DE			250-23075		250-24103
1996	2.4 L4	A	KA24DE	A/T		250-23075		250-23523
1996	2.4 L4	A	KA24DE	M/T		250-23075		250-23502
1995	2.4 L4	A	KA24DE			250-21013		250-23502
1994-1989	2.4 L4	H, M	KA24DE, KA24E			250-21013		
280ZX								
1983-1980	2.8 L6	C, H	L28E, L28ET			250-21013		
300ZX								
1996	3.0 V6	C, R	VG30DE, VG30DETT		Left Right	250-23087 250-23087		250-24138 250-24138

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
NISSAN (cont'd)								
300ZX (cont'd)								
1995-1990	3.0 V6	C, R	VG30DE, VG30DETT		Left Right	250-23087 250-23087		
1989-1987	3.0 V6	C	VG30T			250-23504		
1989-1987	3.0 V6	H	VG30			250-23075		
1986	3.0 V6	C, H	VG30, VG30T			250-23502		
1985-1984	3.0 V6	C	VG30T			250-23089		
1985-1984	3.0 V6	H	VG30			250-23075		
350Z								
2009-2008	3.5 V6		VQ35HR		Left Right	250-54035 250-54035		250-24741 250-24741
2007	3.5 V6		VQ35HR		Left Right	250-54109 250-54109		250-24741 250-24741
2006-2004	3.5 V6		VQ35DE		Left Right	250-25005 250-25005		250-24448 250-24403
2003	3.5 V6		VQ35DE		Left Right	250-24450 250-24450		250-24448 250-24403
370Z								
2015	3.7 V6		VQ37VHR	From 06/2014 From 06/2014	Left Right	250-54105 250-54105		250-241106 250-241106
2015	3.7 V6		VQ37VHR	To 06/2014 To 06/2014	Left Right	250-54102 250-54102		250-241106 250-241106
2014	3.7 V6				Left Right	250-54102 250-54102		250-241106 250-241106
2013-2011	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
2010-2009	3.7 V6		VQ37VHR		Left Right	250-54035 250-54035		250-24741 250-24741
720								
1986	2.4 L4	N	Z24I			250-21013		
810								
1981-1980	2.4 L6	H	L24E			250-21013		
Altima								
2001	2.4 L4		KA24DE	From 12/00		250-23159		250-24437
2001	2.4 L4		KA24DE	To 12/00		250-23121		250-24437
2000	2.4 L4		KA24DE			250-23121		250-24434
1999-1997	2.4 L4	B, D	KA24DE			250-23075		250-24103
1996	2.4 L4	B	KA24DE	From 2/96		250-23075		250-24103
1996	2.4 L4	B	KA24DE	To 2/96 , Calif-ESV		250-23075		250-24103
1996	2.4 L4	B	KA24DE	To 2/96 , Non Calif-ESV		250-21013		250-23505
1995-1993	2.4 L4	B	KA24DE			250-21013		250-23505
2015	2.5 L4		QR25DE	Calif-ESV-ESV		250-54103		250-241106
2015	2.5 L4		QR25DE	Non Calif-ESV-ESV		250-54102		250-241106
2014	2.5 L4			Calif-ESV		250-54103		250-241106
2014	2.5 L4			Exc.Calif-ESV		250-54102		250-241106
2013	2.5 L4		QR25DE	Coupe, Calif-ESV		250-54035	250-24771	250-24794
2013	2.5 L4		QR25DE	Coupe, Non Calif-ESV		250-54082		250-24794
2012-2011	2.5 L4		QR25DE	Non Calif-ESV		250-54082		250-24794
2012	2.5 L4		QR25DE	Calif-ESV		250-54035	250-24771	250-24794
2011-2009	2.5 L4		QR25DE	Hybrid		250-54037	250-24771	250-24794
2011	2.5 L4		QR25DE	Calif-ESV		250-54035		250-24794
2010-2008	2.5 L4		QR25DE	Non Calif-ESV		250-54037	250-24771	250-24794
2010-2007	2.5 L4		QR25DE	Calif-ESV		250-54035	250-24771	250-24794
2008-2007	2.5 L4		QR25DE	Hybrid		250-54109	250-24771	250-24794
2007	2.5 L4		QR25DE	Non Calif-ESV		250-54109	250-24771	250-24794
2006-2004	2.5 L4		QR25DE			250-25005		250-24448
2003-2002	2.5 L4		QR25DE			250-24452		250-24403
2015	3.5 V6		VQ35DE		Front Rear	250-54105 250-54105		250-241151 250-241151
2014-2013	3.5 V6				Front Rear	250-54102 250-54102		250-241108 250-241106
2012-2011	3.5 V6		VQ35DE		Front Rear	250-54035 250-54035		250-24771 250-24741
2010-2008	3.5 V6		VQ35DE		Front Rear	250-54037 250-54109		250-24771 250-24741
2007	3.5 V6		VQ35DE		Front Rear	250-54108 250-54108		250-24771 250-24741

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
NISSAN (cont'd)								
Altima (cont'd)								
2006-2005	3.5 V6		VQ35DE		Front Rear	250-25005 250-25005		250-24403 250-24448
2004	3.5 V6		VQ35DE			250-23131	250-24437	250-24457
2003-2002	3.5 V6		VQ35DE		Front Rear	250-23131 250-23131		250-24457 250-24437
Armada								
2015-2013	5.6 V8		VK56DE		Left Right	250-54102 250-54102		250-24453 250-24453
2012-2008	5.6 V8		VK56DE	With OE Headers With OE Headers	Left Right	250-54037 250-54037		250-24453 250-24453
2007	5.6 V8		VK56DE	With OE Headers With OE Headers	Left Right	250-54109 250-54109		250-24453 250-24453
2006-2005	5.6 V8		VK56DE	With OE Headers With OE Headers	Left Right	250-25005 250-25005		250-24453 250-24453
Axxess								
1990	2.4 L4	H	KA24E	2WD		250-21011		
1990	2.4 L4	H	KA24E	4WD		250-21013		
Cube								
2014-2012	1.8 L4		MR18DE	Calif-ESV		250-54089		250-24996
2014	1.8 L4			Exc.Calif-ESV		250-54102		250-24741
2011	1.8 L4		MR18DE	From 10/2010 (Calif-ESV)		250-54089		250-24996
2011	1.8 L4		MR18DE	To 10/2010		250-54035		250-24741
2010	1.8 L4		MR18DE			250-54035		250-24741
2009	1.8 L4		MR18DE			250-54109		250-24741
D21								
1994-1987	2.4 L4	N, S	KA24E, Z24			250-21013		
1986	2.4 L4			From 05/86		250-21011		
1986	2.4 L4			To 05/86		250-21013		
1994	3.0 V6	H	VG30E			250-23093		
1993-1990	3.0 V6	H	VG30E			250-23503		
1989-1986	3.0 V6	H	VG30			250-24514		
Frontier								
2004-2002	2.4 L4		KA24DE			250-23159		250-24401
2001	2.4 L4		KA24DE			250-23121		250-24401
2000-1998	2.4 L4		KA24DE	Calif-ESV		250-23089		250-24401
2000-1998	2.4 L4		KA24DE	Non Calif-ESV		250-23089		250-24425
2015-2014	2.5 L4		QR25DE			250-54102		250-24951
2013-2005	2.5 L4		QR25DE			250-25005		250-24951
2013	2.5 L4					250-54102		
2004	3.3 V6		VG33E, VG33ER		Left Right	250-23157 250-23156		250-24867 250-24868
2003	3.3 V6		VG33E, VG33ER		Left Right	250-23109 250-23089		250-24632 250-24102
2002-2001	3.3 V6		VG33E, VG33ER		Left Right	250-23109 250-23089		250-24102 250-24102
2000	3.3 V6		VG33E	A/T	Left	250-23109		250-24632
				A/T	Right	250-23089		250-24102
2000	3.3 V6		VG33E	M/T	Left	250-23109		250-24632
				M/T	Right	250-23089		250-24632
1999	3.3 V6		VG33E		Left Right	250-23109 250-23089		250-24632 250-24102
2015	4.0 V6		VQ40DE	From 08/2014	Left	250-54105		250-241105
				From 08/2014	Right	250-54105		250-241105
2015	4.0 V6		VQ40DE	To 08/2014	Left	250-54102		250-241105
				To 08/2014	Right	250-54102		250-241105
2014-2013	4.0 V6				Left Right	250-54102 250-54102		250-241105 250-241105
2012-2011	4.0 V6		VQ40DE		Left Right	250-54035 250-54035		250-24951 250-24403
2010-2009	4.0 V6		VQ40DE		Left Right	250-54037 250-54037		250-24951 250-24403
2008-2007	4.0 V6		VQ40DE		Left Right	250-54109 250-54109		250-24951 250-24403
2006-2005	4.0 V6		VQ40DE		Left Right	250-25005 250-25005		250-24951 250-24403

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
NISSAN (cont'd)								
GT-R								
2015-2009	3.8 V6		VR38DETT		Left Right	250-54035 250-54035		250-24771 250-24771
Juke								
2015-2011	1.6 L4					250-54103		250-241106
Maxima								
1984-1981	2.4 L6	H	L24E			250-21013		
2001	3.0 V6		VQ30DE		Front Rear	250-23121 250-23133		250-24284 250-24286
2000	3.0 V6		VQ30DE	Calif-ESV Calif-ESV	Front Rear	250-23121 250-23133		250-24284 250-24286
2000	3.0 V6		VQ30DE	Non Calif-ESV Non Calif-ESV	Front Rear	250-23133 250-23133		•250-24479
1999	3.0 V6		VQ30DE	Calif-ESV Calif-ESV	Front Rear	250-23089 250-23104		250-24284 250-24286
1999	3.0 V6		VQ30DE	Non Calif-ESV Non Calif-ESV	Front Rear	250-23104 250-23104		•250-24397
1998	3.0 V6	C	VQ30DE	From 6/98 , Calif-ESV From 6/98 , Calif-ESV	Front Rear	250-23089 250-23104		250-24284 250-24286
1998	3.0 V6	C	VQ30DE	From 6/98 , Non Calif-ESV From 6/98 , Non Calif-ESV	Front Rear	250-23104 250-23104		•250-24397
1998	3.0 V6	C	VQ30DE	To 6/98 To 6/98	Front Rear	250-23104 250-23104		•250-24397
1997	3.0 V6	C	VQ30DE		Front Rear	250-23104 250-23104		•250-24397
1996	3.0 V6	C	VQ30DE	From 07/96 From 07/96	Front Rear	250-23104 250-23104		•250-23521
1996	3.0 V6	C	VQ30DE	To 07/96 To 07/96	Front Rear	250-23104 250-23104		•250-23505
1995	3.0 V6	C	VQ30DE		Front Rear	250-23104 250-23104		•250-23505
1994-1990	3.0 V6	E, H	VE30DE, VG30E			250-23509		
1989	3.0 V6	H	VG30E			250-24505		
1988-1987	3.0 V6	H	VG30E			250-23075		
1986	3.0 V6	H	VG30E	From 1/86		250-23502		
1986	3.0 V6	H	VG30E	To 1/86		250-23075		
1985	3.0 V6	H	VG30E			250-23075		
2014	3.5 V6				Front Rear	250-54102 250-54102		250-24771 250-24741
2013-2010	3.5 V6		VQ35DE		Front Rear	250-54035 250-54035		250-24771 250-24741
2009	3.5 V6		VQ35DE		Front Rear	250-54037 250-54109		250-24771 250-24741
2008	3.5 V6		VQ35DE		Front Rear	250-25005 250-25005		250-24448 250-24448
2007-2004	3.5 V6		VQ35DE		Front Rear	250-25005 250-25005		250-24448 250-24403
2003-2002	3.5 V6		VQ35DE		Front Rear	250-23131 250-23131		250-24285 250-24418
Murano								
2015	3.5 V6	A	VQ35DE		Front Rear	250-54105 250-54105		250-241151 250-241151
2014-2012	3.5 V6			AWD AWD	Front Rear	250-54102 250-54102		250-241108 250-241108
2014-2012	3.5 V6			FWD FWD	Front Rear	250-54102 250-54102		250-241106 250-241108
2011	3.5 V6			AWD AWD	Front Rear	250-54102 250-54102		250-24741 250-24741
2011	3.5 V6			FWD FWD	Front Rear	250-54102 250-54102		250-24771 250-24741
2010-2009	3.5 V6	A	VQ35DE		Front Rear	250-54036 250-54036		250-24771 250-24741
2007-2004	3.5 V6		VQ35DE		Front Rear	250-25005 250-25005		250-24448 250-24448
2003	3.5 V6		VQ35DE		Front Rear	250-24452 250-24452		250-24448 250-24448
NV200								
2015-2013	2.0 L4		MR20DE			250-54102		250-241108

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
NISSAN (cont'd)								
NV1500								
2015-2012	4.0 V6		VQ40DE		Left Right	250-54102 250-54102		250-24951 250-24403
NV2500								
2015-2012	4.0 V6		VQ40DE		Left Right	250-54102 250-54102		250-24951 250-24403
2015-2012	5.6 V8		VK56DE		Left Right	250-54103 250-54103		250-24771 250-24771
NV3500								
2015-2012	4.0 V6		VQ40DE		Left Right	250-54102 250-54102		250-24951 250-24403
2015-2012	5.6 V8		VK56DE		Left Right	250-54103 250-54103		250-24771 250-24771
NX								
1993-1991	1.6 L4	E	GA16DE			250-21013		
1993-1991	2.0 L4	G	SR20DE			250-23089		
Pathfinder								
1987	2.4 L4	N	Z24I			250-21013		
2014	2.5 L4					250-54102		250-241105
1995-1994	3.0 V6	H	VG30E			250-23093		
1993-1990	3.0 V6	H	VG30E			250-23503		
1989-1987	3.0 V6	H	VG30I			250-24514		
2000-1996	3.3 V6	A	VG33E		Left Right	250-23109 250-23089		250-24101 250-24102
2015	3.5 V6		VQ35DE	From 09/2014	Left	250-54105		250-241151
2015	3.5 V6		VQ35DE	From 09/2014	Right	250-54105		250-241151
2015	3.5 V6		VQ35DE	To 09/2014	Left	250-54102		250-241106
2015	3.5 V6		VQ35DE	To 09/2014	Right	250-54102		250-241108
2014-2013	3.5 V6		VQ35DE		Left Right	250-54102 250-54102		250-241106 250-241108
2004	3.5 V6		VQ35DE		Left Right	250-24451 250-24450		250-24659 250-24659
2003	3.5 V6		VQ35DE		Left Right	250-24451 250-24450		250-24459 250-24458
2002	3.5 V6		VQ35DE		Left Right	250-23122 250-23131		250-24449 250-24285
2001	3.5 V6		VQ35DE	From 08/2000	Left	250-23122		250-24449
2001	3.5 V6		VQ35DE	From 08/2000	Right	250-23131		250-24285
2001	3.5 V6		VQ35DE	To 08/2000	Left	250-23135		250-24435
2001	3.5 V6		VQ35DE	To 08/2000	Right	250-23133		250-24286
2012-2011	4.0 V6		VQ40DE		Left Right	250-54035 250-54035		250-24951 250-24403
2010-2007	4.0 V6		VQ40DE		Left Right	250-54037 250-54037		250-24951 250-24403
2006-2005	4.0 V6		VQ40DE		Left Right	250-25005 250-25005		250-24951 250-24403
2012-2008	5.6 V8		VK56DE		Left Right	250-54037 250-54037		250-24453 250-24453
Pathfinder Armada								
2004	5.6 V8		VK56DE		Left Right	250-25005 250-25005		250-24453 250-24453
Pickup								
1997	2.4 L4	S	KA24E			250-23075		250-24632
1996	2.4 L4	S	KA24E	From 1/96		250-23075		250-24632
1996	2.4 L4	S	KA24E	To 1/96		250-21013		
1995	2.4 L4	S	KA24E			250-21013		
1995	3.0 V6	H	VG30E			250-23093		
Pulsar								
1983	1.6 L4	P	E16			250-21013		
Pulsar NX								
1984-1983	1.5 L4		E15T			250-21013		
1990-1988	1.6 L4	G, P	E16I, GA16I			250-21013		
1987	1.6 L4		CA16DE			250-23502		
1987	1.6 L4	P	E16I			250-23523		
1986-1983	1.6 L4	M, P	E16			250-21013		
1989-1988	1.8 L4	C	CA18DE			250-21013		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
NISSAN (cont'd)								
Quest								
1998	3.0 V6	1	VG30E			250-23075		250-24433
1997-1996	3.0 V6	1, W	VG30E			250-23075		250-24626
1995	3.0 V6	W	VG30E			250-23075		
1994	3.0 V6	W	VG30E	From 11/93		250-23075		
1994	3.0 V6	W	VG30E	To 11/93		250-23509		
1993	3.0 V6	W	VG30E			250-23509		
2002-2001	3.3 V6		VG33E			250-23089		250-24371
2000-1999	3.3 V6		VG33E	Calif-ESV		250-23089		250-24371
2000-1999	3.3 V6		VG33E	Non Calif-ESV		250-23075		250-24433
2015-2012	3.5 V6				Front Rear	250-54102 250-54102		250-241106 250-241108
2011	3.5 V6				Front Rear	250-54102 250-54102		250-24771 250-24741
2009-2004	3.5 V6		VQ35DE		Front Rear	250-25005 250-25005		250-24403 250-24448
Rogue								
2013-2011	2.5 L4		QR25DE	Non Calif-ESV		250-54035		250-24741
2013-2008	2.5 L4		QR25DE	Calif-ESV		250-54035	250-24741	250-24794
2010	2.5 L4		QR25DE	Non Calif-ESV		250-54037		250-24741
2009-2008	2.5 L4		QR25DE	Non Calif-ESV		250-54109		250-24741
Rogue Select								
2015-2014	2.5 L4		QR25DE			250-54035		250-24741
Sentra								
1983-1982	1.5 L4	H, M	E15S			250-21013		
1999-1997	1.6 L4	A	GA16DE			250-23089		250-24103
1996	1.6 L4	A	GA16DE	Japan Built, Non Calif-ESV, From 05/1996		250-23089		250-23505
1996	1.6 L4	A	GA16DE	Japan Built, Non Calif-ESV, To 05/1996		250-21013		250-23505
1996	1.6 L4	A	GA16DE	Japan Built Vehicle, Calif-ESV		250-23089		250-23502
1996	1.6 L4	A	GA16DE	Mexico Built Vehicle		250-23089		250-23505
1995	1.6 L4	A	GA16DE	Japan Built Vehicle, A/T, Calif-ESV		250-23089		250-23502
1995	1.6 L4	A	GA16DE	Japan Built Vehicle, A/T, Non Calif-ESV		250-23089		250-23505
1995	1.6 L4	A	GA16DE	Japan Built Vehicle, M/T, Calif-ESV		250-23089		250-23502
1995	1.6 L4	A	GA16DE	Japan Built Vehicle, M/T, Non Calif-ESV		250-21013		250-23505
1995	1.6 L4	A	GA16DE	Mexico Built Vehicle, A/T		250-23505		250-23089
1995	1.6 L4	A	GA16DE	Mexico Built Vehicle, M/T		250-23505		250-21013
1994	1.6 L4	E	GA16DE	Calif-ESV		250-21013		
1994	1.6 L4	E	GA16DE	Non Calif-ESV		250-23089		
1993-1989	1.6 L4	E, G	GA16DE, GA16I			250-21013		
1988-1987	1.6 L4	P	E16I, E16S			250-23523		
1986-1984	1.6 L4	P	E16, E16S			250-21013		
2015-2013	1.8 L4		MRA8DE	Calif-ESV		250-54105		250-241107
2015	1.8 L4		MRA8DE	Non Calif-ESV		250-54102		250-241107
2014-2013	1.8 L4			Exc. Calif-ESV		250-54102		250-241107
2006-2004	1.8 L4		QG18DE			250-25005		250-24453
2003	1.8 L4		QG18DE	Calif-ESV		250-25005		250-24453
2003	1.8 L4		QG18DE	Non Calif-ESV		250-24453		250-24453
2002	1.8 L4		QG18DE	CA Series		250-25005	250-24434	250-24285
2002	1.8 L4		QG18DE	Exc. CA Series	Left	250-24454		250-24285
				Exc. CA Series	Right	250-24452		250-24456
2001-2000	1.8 L4		QG18DE	CA Series		250-25005	250-24284	250-24434
2001	1.8 L4		QG18DE	Exc. CA Series, w/ Mid Year Emissions	Left	250-23131		250-24456
				Exc. CA Series, w/ Mid Year Emissions	Right	250-23131		250-24285
2001	1.8 L4		QG18DE	Exc. CA Series, w/o Mid Year Emissions	Left	250-23121		250-24436
				Exc. CA Series, w/o Mid Year Emissions	Right	250-23121		250-24284
2000	1.8 L4		QG18DE	Exc. CA Series	Left	250-23121		250-24436
				Exc. CA Series	Right	250-23121		250-24436
2012-2010	2.0 L4		MR20DE	Non Calif-ESV		250-54035		250-24741
2012-2009	2.0 L4		MR20DE	Calif-ESV		250-54089		250-24741
2009	2.0 L4		MR20DE	Non Calif-ESV		250-54109		250-24741
2008	2.0 L4		MR20DE			250-54109		250-24741
2007	2.0 L4		MR20DE			250-54108		250-24741
2001-2000	2.0 L4		SR20DE			250-23121		250-24434
1999-1998	2.0 L4	B	SR20DE			250-23089		250-24401
1994-1991	2.0 L4	G	SR20DE			250-23089		
2012-2011	2.5 L4		QR25DE			250-54037		250-24741

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
NISSAN (cont'd)								
Sentra (cont'd)								
2010-2008	2.5 L4		QR25DE			250-54109		250-24741
2007	2.5 L4		QR25DE			250-54108		250-24741
2006-2005	2.5 L4		QR25DE			250-25005		250-24448
2004	2.5 L4		QR25DE	Calif-ESV, A/T		250-24452		250-24448
2004	2.5 L4		QR25DE	M/T		250-24452		250-24448
2004	2.5 L4		QR25DE	Non Calif-ESV, A/T		250-25005		250-24448
2003-2002	2.5 L4		QR25DE			250-24452		250-24403
Stanza								
1989-1987	2.0 L4	H	CA20E			250-21013		
1986	2.0 L4	H	CA20E	2WD		250-21013		
1986	2.0 L4	H	CA20E	4WD		250-23502		
1985-1984	2.0 L4	H	CA20E			250-21013		
1992	2.4 L4	F	KA24E			250-21013		
1991-1990	2.4 L4	F	KA24E			250-21011		
Titan								
2015-2013	5.6 V8		VK56DE		Left	250-54102		250-24453
					Right	250-54102		250-24453
2012-2008	5.6 V8		VK56DE	With OE Headers	Left	250-54037		250-24453
				With OE Headers	Right	250-54037		250-24453
2007	5.6 V8		VK56DE	With OE Headers	Left	250-54109		250-24453
				With OE Headers	Right	250-54109		250-24453
2006-2004	5.6 V8		VK56DE	With OE Headers	Left	250-25005		250-24453
				With OE Headers	Right	250-25005		250-24453
Van								
1988-1987	2.4 L4	S	Z24I			250-21013		
Versa								
2013-2012	1.6 L4					250-54102		250-241104
2011-2009	1.6 L4		HR16DE			250-54037		250-24741
2012-2011	1.8 L4		MR18DE			250-54035		250-24741
2010-2008	1.8 L4		MR18DE			250-54109		250-24741
2007	1.8 L4		MR18DE			250-54108		250-24741
Versa Note								
2014	1.6 L4					250-54102		250-241104
Xterra								
2004-2002	2.4 L4		KA24DE			250-23159		250-24401
2001	2.4 L4		KA24DE			250-23089		250-24401
2000	2.4 L4		KA24DE	Calif-ESV		250-23089		250-24401
2000	2.4 L4		KA24DE	Non Calif-ESV		250-23089		250-24425
2004	3.3 V6		VG33E, VG33ER		Left	250-23157		250-24867
					Right	250-23156		250-24868
2003-2000	3.3 V6		VG33E, VG33ER		Left	250-23109		250-24632
					Right	250-23089		250-24102
2015	4.0 V6		VQ40DE	From 08/2014	Left	250-54105		250-241105
				From 08/2014	Right	250-54105		250-241105
2015	4.0 V6		VQ40DE	To 08/2014	Left	250-54102		250-241105
				To 08/2014	Right	250-54102		250-241105
2014-2013	4.0 V6				Left	250-54102		250-241105
					Right	250-54102		250-241105
2012-2011	4.0 V6		VQ40DE		Left	250-54035		250-24951
					Right	250-54035		250-24403
2010-2008	4.0 V6		VQ40DE		Left	250-54037		250-24951
					Right	250-54037		250-24403
2007	4.0 V6		VQ40DE		Left	250-54109		250-24951
					Right	250-54109		250-24403
2006-2005	4.0 V6		VQ40DE		Left	250-25005		250-24951
					Right	250-25005		250-24403
OLDSMOBILE								
88								
1999-1997	3.8 V6					250-24018		250-24340
1996	3.8 V6					250-24012		250-24340
1995-1994	3.8 V6					250-24012		
1993-1992	3.8 V6					250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
OLDSMOBILE (cont'd)								
98								
1985	3.0 V6					250-21001		
1996	3.8 V6					250-24012		250-24340
1995-1994	3.8 V6					250-24012		
1993-1985	3.8 V6	1				250-21001		
1993	3.8 V6	L				250-23011		
1983-1982	4.1 V6					250-21001		
1984-1982	5.0 V8					250-21001		
1981	5.0 V8					250-22001		
1980	5.7 V8					250-22001		
Achieva								
1995-1992	2.3 L4					250-21001		
1998-1996	2.4 L4	T				250-21001		250-24616
1998-1997	3.1 V6	M				250-24018		250-24616
1996	3.1 V6	M				250-24012		250-24616
1995-1994	3.1 V6	M				250-24012		
1993-1992	3.3 V6	N				250-21001		
Alero								
2004-2002	2.2 L4	F	L61			250-24273		250-24321
2001-2000	2.4 L4	T				250-22060		250-24617
1999	2.4 L4	T				250-21028		250-24617
2004	3.4 V6	E			Front Rear	250-24269 250-24269		•250-24617
2003-2001	3.4 V6	E				250-24269		250-24617
2000-1999	3.4 V6	E				250-24018		250-24617
Aurora								
2002-2001	3.5 V6	H			Front Rear	250-24269 250-24269		•250-24836
2003	4.0 V8	C			Front Rear	250-24269 250-24269		250-24836 250-24836
2002-2001	4.0 V8	C			Front Rear	250-24269 250-24269		•250-24836
1999-1998	4.0 V8	C			Front Rear	250-24018 250-24018		•250-24340
1997-1996	4.0 V8	C			Front Rear	250-24018 250-24018	250-24340	•250-24340
1995	4.0 V8	C			Front Rear	250-24006 250-24006		
Bravada								
2004	4.2 L6	S				250-24654		250-24339
2003-2002	4.2 L6	S				250-24355		250-24339
2001-1998	4.3 V6	W			Left Right	250-24012 250-24012		•250-24012
1997-1996	4.3 V6	W			Left Right	250-24012 250-24012	250-24012	•250-24012
1994-1992	4.3 V6	W, Z				250-23005		
1991	4.3 V6	Z				250-21001		
Calais								
1987	2.3 L4	D				250-21001		
1987-1985	2.5 L4	U				250-21001		
1987-1985	3.0 V6	L				250-21001		
Custom Cruiser								
1992-1982	5.0 V8					250-21001		
1992	5.7 V8					250-21001		
1980	5.7 V8	R				250-22001		
Cutlass								
1999-1997	3.1 V6					250-24018		250-24617
1981-1980	3.8 V6	A				250-22001		
1981-1980	4.3 V8	F				250-22001		
1980	5.7 V8	R				250-22001		
Cutlass Calais								
1991-1988	2.3 L4					250-21001		
1991-1988	2.5 L4					250-21001		
1988	3.0 V6					250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
OLDSMOBILE (cont'd)								
Cutlass Calais (cont'd)								
1991-1989	3.3 V6					250-21001		
1984-1982	3.8 V6					250-21001		
1981-1980	3.8 V6					250-22001		
1982	4.3 V8					250-21001		
1984-1982	5.0 V8					250-21001		
Cutlass Ciera								
1996	2.2 L4					250-21001		250-24340
1995-1993	2.2 L4					250-21001		
1992-1982	2.5 L4					250-21001		
1989-1986	2.8 V6					250-21001		
1982	2.8 V6					250-21001		
1985-1982	3.0 V6					250-21001		
1996	3.1 V6					250-24012		250-24340
1995-1994	3.1 V6					250-24012		
1993-1989	3.3 V6					250-21001		
1988-1984	3.8 V6					250-21001		
Cutlass Cruiser								
1990-1987	2.5 L4					250-21001		
1989-1987	2.8 V6					250-21001		
1994	3.1 V6					250-24012		
1993-1989	3.3 V6					250-21001		
1988-1987	3.8 V6					250-21001		
1983-1982	3.8 V6					250-21001		
1981-1980	3.8 V6					250-22001		
1982	4.3 V8					250-21001		
1983-1982	5.0 V8					250-21001		
1981	5.0 V8					250-22001		
Cutlass Salon								
1987-1985	3.8 V6					250-21001		
1980	3.8 V6					250-22001		
1980	4.3 V8					250-22001		
1987-1985	5.0 V8					250-21001		
Cutlass Supreme								
1991-1990	2.3 L4					250-21001		
1989-1988	2.8 V6					250-21001		
1997	3.1 V6	M				250-24018		250-24340
1996	3.1 V6	M				250-24012		250-24340
1995-1994	3.1 V6	M				250-24012		
1993	3.1 V6	M		4 Wire Sensor		250-24012		
1993	3.1 V6	T		Calif-ESV		250-23005		
1993	3.1 V6	T		Non Calif-ESV		250-21001		
1992-1989	3.1 V6					250-21001		
1996	3.4 V6	X				250-24012		250-24340
1995-1993	3.4 V6	X				250-24012		
1992-1991	3.4 V6					250-21001		
1987-1982	3.8 V6					250-21001		
1981-1980	3.8 V6	A				250-22001		
1982	4.3 V8					250-21001		
1988-1982	5.0 V8					250-21001		
Delta 88								
1986	3.0 V6	L				250-21001		
1991-1982	3.8 V6					250-21001		
1981-1980	3.8 V6	A				250-22001		
1982	4.3 V8	8				250-21001		
1985-1982	5.0 V8	Y				250-21001		
1980	5.7 V8	R				250-22001		
Firenza								
1986-1982	1.8 L4	0, G				250-21001		
1982	1.8 L4	0				250-22001		
1988-1983	2.0 L4					250-21001		
1987-1985	2.8 V6	W				250-21001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
OLDSMOBILE (cont'd)								
Intrigue								
2002-2000	3.5 V6	H				250-24269		250-24836
1999	3.5 V6	H				250-24018		250-24340
1999-1998	3.8 V6	K				250-24018		250-24340
LSS								
1999-1997	3.8 V6	1, K				250-24018		250-24340
1996	3.8 V6	1, K				250-24012		250-24340
Omega								
1984-1982	2.5 L4	R				250-21001		
1981-1980	2.5 L4	5				250-22001		
1984-1982	2.8 V6	X, Z				250-21001		
1981-1980	2.8 V6					250-22001		
Regency								
1998-1997	3.8 V6	K				250-24018		250-24340
Silhouette								
1994-1990	3.1 V6	D				250-21001		
2004-2001	3.4 V6	E				250-24269		250-24340
2000-1997	3.4 V6	E				250-24018		250-24340
1996	3.4 V6	E				250-24012		250-24340
1995-1994	3.8 V6	L				250-24012		
1993	3.8 V6	L				250-23011		
1992	3.8 V6	L				250-21001		
Starfire								
1980	2.5 L4	V				250-22001		
1980	3.8 V6	A				250-22001		
Toronado								
1992-1986	3.8 V6					250-21001		
1984-1982	4.1 V6	4				250-21001		
1985-1982	5.0 V8	Y				250-21001		
1981	5.0 V8	Y				250-22001		
1980	5.7 V8	R				250-22001		
PEUGEOT								
405								
1991-1989	1.9 L4					250-24030		
504								
1979	2.0 L4			w/ OEM # 1629S10		250-21011		
1979	2.0 L4			w/ OEM # 1630T63		250-21015		
1979	2.0 L4			w/ OEM # 16315O1		250-21013		
1979	2.0 L4			w/ OEM # 16326L8		250-21011		
1978	2.0 L4			w/ OEM # 1629E79		250-21015		
1978	2.0 L4			w/ OEM # 1630N46		250-21013		
1978	2.0 L4			w/ OEM # 16318F4		250-21015		
1978	2.0 L4			w/ OEM # 16321R1		250-21011		
1977	2.0 L4			w/ OEM # 1629O56		250-21013		
1977	2.0 L4			w/ OEM # 1630M78		250-21011		
1977	2.0 L4			w/ OEM # 16317W7		250-21013		
1977	2.0 L4			w/ OEM # 16325A3		250-21015		
1976	2.0 L4			w/ OEM # 1629L69		250-21013		
1976	2.0 L4			w/ OEM # 1631K02		250-21011		
1976	2.0 L4			w/ OEM # 16323E2		250-21015		
1976	2.0 L4			w/ OEM # 16324R8		250-21011		
505								
1987-1986	2.0 L4					250-23047		
1985-1980	2.0 L4					250-21015		
1991-1986	2.2 L4					250-23047		
1985	2.2 L4					250-23032		
1989-1987	2.8 V6					250-23047		
PLYMOUTH								
Acclaim								
1995-1989	2.5 L4					250-24004		
1995-1989	3.0 V6					250-24004		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PLYMOUTH (cont'd)								
Breeze								
2000-1998	2.0 L4		ECB			250-24942		250-24943
1997	2.0 L4		ECB			250-24942		250-24002
1996	2.0 L4		ECB			250-24004		250-24002
2000-1997	2.4 L4		EDZ			250-24942		250-24943
Caravelle								
1988-1987	2.2 L4					250-23003		
1986-1985	2.2 L4					250-21002		
1988-1987	2.5 L4					250-23003		
1986	2.5 L4					250-21002		
1985	2.6 L4					250-21005		
Colt								
1984	1.4 L4					250-21005		
1994-1993	1.5 L4			Calif-ESV		250-24020		250-24472
1994-1993	1.5 L4			Non Calif-ESV		250-22066		
1992	1.5 L4					250-22066		
1991-1990	1.5 L4			M/T		250-22002		
1991	1.5 L4			A/T		250-22066		
1990	1.5 L4			A/T, Calif-ESV		250-22002		
1990	1.5 L4			A/T, Non Calif-ESV		250-21007		
1989	1.5 L4			Calif-ESV		250-22002		
1989	1.5 L4			Non Calif-ESV		250-21007		
1988-1987	1.5 L4					250-21007		
1986-1985	1.5 L4					250-21005		
1990	1.6 L4			Calif-ESV		250-22002		
1990	1.6 L4			Non Calif-ESV		250-21007		
1989	1.6 L4					250-24007		
1988-1987	1.6 L4					250-21007		
1986-1984	1.6 L4					250-21005		
1994-1993	1.8 L4			Calif-ESV		250-24232		250-24229
1994-1993	1.8 L4			Non Calif-ESV		250-22066		
1992	1.8 L4					250-22066		
1990-1989	1.8 L4					250-21007		
1991-1989	2.0 L4			Calif-ESV		250-22002		
1991-1989	2.0 L4			Non Calif-ESV		250-21062		
1988	2.0 L4					250-21007		
1987	2.0 L4			From 10/86		250-21007		
1987	2.0 L4			To 10/86		250-21005		
1986-1984	2.0 L4					250-21005		
1994	2.4 L4			2WD		250-24228		250-24224
1994	2.4 L4			4WD		250-24229		250-24224
1993	2.4 L4			Calif-ESV , 2WD		250-24228		250-24231
1993	2.4 L4			Calif-ESV , 4WD		250-24229		250-24224
1993	2.4 L4			Non Calif-ESV		250-22066		
1992	2.4 L4					250-22066		
Conquest								
1986-1984	2.6 L4					250-21060		
Grand Voyager								
1997-1996	2.4 L4					250-24943		250-24081
1988-1987	2.5 L4					250-23003		
2000-1996	3.0 V6			Exc.TLEV Spec		250-24942		250-24081
2000-1996	3.0 V6			TLEV Spec		250-24942		250-24082
1995	3.0 V6					250-24942		
1994-1992	3.0 V6					250-24004		
1989	3.0 V6					250-24004		
1988-1987	3.0 V6					250-23003		
2000-1996	3.3 V6			Exc.TLEV Spec		250-24942		250-24081
2000-1996	3.3 V6			TLEV Spec		250-24942		250-24082
1995	3.3 V6					250-24942		
1994-1990	3.3 V6					250-24004		
1999	3.8 V6			Exc.TLEV Spec		250-24942		250-24081
1999	3.8 V6			TLEV Spec		250-24942		250-24082
1995	3.8 V6					250-24942		
1994	3.8 V6					250-24004		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PLYMOUTH (cont'd)								
Gran Fury								
1983-1980	3.7 L6					250-21002		
1989-1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
Horizon								
1986-1983	1.6 L4					250-21002		
1983-1980	1.7 L4					250-21002		
1990-1989	2.2 L4					250-24004		
1988	2.2 L4					250-23003		
1987-1981	2.2 L4					250-21002		
Laser								
1994-1991	1.8 L4					250-22002		
1990	1.8 L4			Calif-ESV		250-22002		
1990	1.8 L4			Non Calif-ESV		250-21007		
1994-1990	2.0 L4					250-24007		
Neon								
2001-2000	2.0 L4			w/Ultra-Low Emissions		250-24946		250-24942
2000-1997	2.0 L4		ECB, ECC	w/oUltra-Low Emissions		250-24942		250-24945
1996-1995	2.0 L4		ECB, ECC			250-24004		250-24013
PB100								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
PB150								
1983-1981	3.7 L6					250-21002		
1983	5.2 V8					250-21002		
1981	5.2 V8					250-21002		
PB200								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
PB250								
1983-1981	3.7 L6					250-21002		
1983-1981	5.2 V8					250-21002		
1981	5.9 V8					250-21002		
PB300								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
PB350								
1983-1981	5.2 V8					250-21002		
1983-1981	5.9 V8					250-21002		
Prowler								
2001-1999	3.5 V6				Left Right	250-24942 250-24942		250-24942 250-24942
1997	3.5 V6				Left Right	250-24942 250-24942		250-24942 250-24942
Reliant								
1989	2.2 L4					250-24004		
1988-1987	2.2 L4					250-23003		
1986-1981	2.2 L4					250-21002		
1989	2.5 L4					250-24004		
1988-1987	2.5 L4					250-23003		
1986	2.5 L4					250-21002		
1985-1984	2.6 L4					250-21005		
Scamp								
1983	2.2 L4					250-21002		
Sundance								
1994-1989	2.2 L4					250-24004		
1988-1987	2.2 L4					250-23003		
1994-1989	2.5 L4					250-24004		
1988	2.5 L4					250-23003		
1994-1992	3.0 V6					250-24004		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PLYMOUTH (cont'd)								
TC3								
1982-1980	1.7 L4	A				250-21002		
1982-1981	2.2 L4	B				250-21002		
Trailduster								
1980	3.7 L6					250-21002		
1981-1980	5.2 V8					250-21002		
1981-1980	5.9 V8					250-21002		
Turismo								
1986	1.6 L4	A				250-21002		
1984-1983	1.6 L4					250-21002		
1983	1.7 L4	B				250-21002		
1987-1986	2.2 L4	C				250-21002		
1984-1983	2.2 L4	C				250-21002		
Turismo 2.2								
1986-1983	2.2 L4	8, C				250-21002		
Volare								
1980	3.7 L6			Calif-ESV		250-21002		
1980	5.2 V8			Calif-ESV		250-21002		
1980	5.9 V8			Calif-ESV		250-21002		
Voyager								
1987-1984	2.2 L4					250-21002		
2000-1999	2.4 L4			w/o LLE		250-24943		250-24081
2000-1999	2.4 L4			with LLE		250-24943		250-24082
1998	2.4 L4					250-24002		250-24942
1997-1996	2.4 L4					250-24943		250-24081
1995-1989	2.5 L4					250-24004		
1988-1987	2.5 L4					250-23003		
1987-1984	2.6 L4					250-21005		
2000-1996	3.0 V6			Exc.TLEV Spec		250-24942		250-24081
2000-1996	3.0 V6			TLEV Spec		250-24942		250-24082
1995	3.0 V6					250-24942		
1994-1989	3.0 V6					250-24004		
1988-1987	3.0 V6					250-23003		
2000-1996	3.3 V6			w/o LLE		250-24942		250-24081
2000-1996	3.3 V6			with LLE		250-24942		250-24082
1995	3.3 V6					250-24942		
1994-1991	3.3 V6					250-24004		
1999	3.8 V6			w/o LLE		250-24942		250-24081
1999	3.8 V6			with LLE		250-24942		250-24082
PONTIAC								
6000								
1991-1982	2.5 L4	R				250-21001		
1989-1982	2.8 V6					250-21001		
1991-1988	3.1 V6	T				250-21001		
Aztek								
2005	3.4 V6	E				250-24269		250-24836
2004-2001	3.4 V6	E				250-24269		250-24340
Bonneville								
2005-2004	3.8 V6	K				250-24273		250-24836
2003-1997	3.8 V6	1, K				250-24018		250-24340
1996	3.8 V6					250-24012		250-24340
1995-1994	3.8 V6					250-24012		
1993-1982	3.8 V6	1, 3, A, C, L				250-21001		
1981-1980	3.8 V6	A				250-22001		
1982	4.1 V6	4				250-21001		
1986	4.3 V6	Z				250-21001		
1981-1980	4.3 V8	S				250-22001		
2005-2004	4.6 V8	Y			Left Right	250-24470		•250-24267
						250-24470		
1980	4.9 V8	W				250-22001		
1986-1983	5.0 V8	H				250-21001		
1981	5.0 V8	Y				250-22001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PONTIAC (cont'd)								
Bonneville (cont'd)								
1980	5.7 V8	R, X				250-22001		
Catalina								
1981-1980	3.8 V6	A				250-22001		
1981-1980	4.3 V8	S				250-22001		
1980	4.9 V8	W				250-22001		
1981	5.0 V8	Y				250-22001		
1980	5.7 V8	R, X				250-22001		
Fiero								
1988-1984	2.5 L4	R				250-21001		
1988-1985	2.8 V6	9				250-21001		
Firebird								
1986-1982	2.5 L4	2				250-21001		
1989-1982	2.8 V6	1, L, S				250-21001		
1992-1990	3.1 V6	T				250-21001		
1995-1993	3.4 V6	S			Left Right	250-21001 250-21001		
2002-2001	3.8 V6	K			Left Right	250-24018 250-24018		•250-24340
2000-1998	3.8 V6	K		2 Wire Upstream Sensor 2 Wire Upstream Sensor	Left Right	250-22013 250-22013		•250-24340
2000-1998	3.8 V6	K		4 Wire Upstream Sensor 4 Wire Upstream Sensor	Left Right	250-24018 250-24018		•250-24340
1997	3.8 V6	K			Left Right	250-24018 250-24018	250-24340	•250-24340
1996	3.8 V6	K			Left Right	250-24012 250-24012	250-24340	•250-24340
1995	3.8 V6	K			Left Right	250-24012 250-24012	250-24012	•250-24012
1989	3.8 V6	7				250-21001		
1981-1980	3.8 V6	A				250-22001		
1981	4.3 V8	S				250-22001		
1981-1980	4.9 V8	T, W				250-22001		
1992-1982	5.0 V8	7, E, F, G, H				250-21001		
1981-1980	5.0 V8	H				250-22001		
2002-2000	5.7 V8	G			Left Right	250-24087 250-24340		250-24087 250-24087
1999-1998	5.7 V8	G			Left Right	250-24087 250-24340		250-24087 250-24340
1997-1996	5.7 V8	P			Left Right	250-24012 250-24012	250-24340	•250-24340
1995-1994	5.7 V8	P			Left Right	250-24012 250-24012		
1993	5.7 V8	P			Left Right	250-21001 250-21001		
1992-1987	5.7 V8	8				250-21001		
G3								
2010-2009	1.6 L4	E	LXV			250-24851		250-24850
G5								
2009-2007	2.2 L4	F, H	L61, LAP			250-24470		250-24354
2008-2007	2.4 L4	B				250-24470		250-24354
G6								
2010	2.4 L4	B				250-24704		250-24708
2009	2.4 L4	B		4-Speed Trans		250-24704		250-24708
2009	2.4 L4	B		6-Speed Trans		250-24492		250-24708
2008	2.4 L4	B				250-24704		250-24708
2007-2006	2.4 L4	B				250-24470		250-24339
2010-2008	3.5 V6	K, N			Front Rear	250-24470 250-24470		250-24736 250-24736
2007	3.5 V6	N			Front Rear	250-24470 250-24470		250-24267 250-24267
2006	3.5 V6	8			Front Rear	250-24470 250-24470		250-24836 250-24267
2005	3.5 V6	8				250-24470		250-24267
2009-2008	3.6 V6	7			Front Rear	250-24470 250-24470		250-24736 250-24728

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PONTIAC (cont'd)								
G6 (cont'd)								
2007	3.6 V6	7			Front Rear	250-24470 250-24470		250-24836 250-24488
2009-2008	3.9 V6	1			Front Rear	250-24470 250-24470		250-24736 250-24736
2007-2006	3.9 V6	1			Front Rear	250-24470 250-24470		250-24267 250-24267
G8								
2009-2008	3.6 V6	7			Left Right	250-24845 250-24845		250-24612 250-24612
2009-2008	6.0 V8	Y	L76		Left Right	250-24470 250-24470		250-24788 250-24788
2009	6.2 V8	W	LS3		Left Right	250-24470 250-24470		250-24788 250-24788
Grand Am								
1989-1987	2.0 L4	M				250-21001		
2005-2002	2.2 L4	F	L61			250-24273		250-24321
1995-1988	2.3 L4	3, A, D				250-21001		
2001-2000	2.4 L4	T				250-22060		250-24617
1999	2.4 L4	T		w/ EGR Valve		250-21028		250-24617
1999	2.4 L4	T		w/o EGR Valve		250-21001		250-24617
1998-1996	2.4 L4	T				250-21001		250-24616
1991-1985	2.5 L4	U				250-21001		
1987-1985	3.0 V6	L				250-21001		
1998-1997	3.1 V6	M				250-24018		250-24616
1996	3.1 V6	M				250-24012		250-24616
1995-1994	3.1 V6	M				250-24012		
1993-1992	3.3 V6	N				250-21001		
2005	3.4 V6	E				250-24269		250-24334
2004-2001	3.4 V6	E				250-24269		250-24617
2000-1999	3.4 V6	E				250-24018		250-24617
1980	4.9 V8	W				250-22001		
1980	5.0 V8	H				250-22001		
Grand LeMans								
1981-1980	3.8 V6	A, K				250-22001		
1981-1980	4.3 V8	S				250-22001		
1981-1980	4.9 V8	W				250-22001		
1980	5.0 V8	H				250-22001		
Grand Prix								
1991-1990	2.3 L4	D				250-21001		
1989-1988	2.8 V6	W				250-21001		
2003-2001	3.1 V6	J				250-24269		250-24340
2000-1997	3.1 V6	J, M				250-24018		250-24340
1996	3.1 V6	M			Front Rear	250-24012 250-24012		•250-24340
1995-1994	3.1 V6	M			Front Rear	250-24012 250-24012		
1993	3.1 V6	T		Calif-ESV		250-23005		
1993	3.1 V6	T		Non Calif-ESV		250-21001		
1992-1989	3.1 V6	T, V				250-21001		
1996	3.4 V6	X			Front Rear	250-24012 250-24012		•250-24340
1995-1994	3.4 V6	X			Front Rear	250-24012 250-24012		
1993-1991	3.4 V6	X				250-21001		
2008	3.8 V6	2		Exc.PZEV Spec		250-24273		250-24248
2008	3.8 V6	2		PZEV Spec		250-24470		250-24248
2007	3.8 V6	4				250-24273		250-24836
2007	3.8 V6	2		Exc.PZEV Spec		250-24273		250-24836
2007	3.8 V6	2		PZEV Spec		250-24470		250-24836
2006-2005	3.8 V6	2, 4		Calif-ESV		250-24470		250-24836
2006-2005	3.8 V6	2, 4		Non Calif-ESV		250-24273		250-24836
2004	3.8 V6	2, 4				250-24273		250-24836
2003-1997	3.8 V6	1, K				250-24018		250-24340
1987-1982	3.8 V6	A				250-21001		
1981-1980	3.8 V6	A				250-22001		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PONTIAC (cont'd)								
Grand Prix (cont'd)								
1982	4.1 V6	4				250-21001		
1987-1986	4.3 V6	Z				250-21001		
1981-1980	4.3 V8	S				250-22001		
1980	4.9 V8	W				250-22001		
1987-1983	5.0 V8	H				250-21001		
1980	5.0 V8	H				250-22001		
2008	5.3 V8	C				250-24703		250-24703
2007-2006	5.3 V8	C				250-24703		250-24836
2005	5.3 V8	C		Calif-ESV		250-24470		250-24836
2005	5.3 V8	C		Non Calif-ESV		250-24273		250-24836
GTO								
2004	5.7 V8				Left Right	250-24470 250-24470		250-24490 250-24490
2006-2005	6.0 V8	U			Left Right	250-24470 250-24470		250-24490 250-24490
J2000								
1983-1982	1.8 L4	0, G				250-21001		
1982	1.8 L4	0				250-22001		
1983	2.0 L4	P				250-21001		
J2000 Sunbird								
1985-1984	1.8 L4	0, J				250-21001		
1985-1984	2.0 L4	P				250-21001		
LeMans								
1993-1988	1.6 L4	6				250-21001		
1990-1989	2.0 L4	K				250-21001		
1981-1980	3.8 V6	A, K				250-22001		
1981-1980	4.3 V8	S				250-22001		
1981-1980	4.9 V8	W				250-22001		
1980	5.0 V8	H				250-22001		
Montana								
2005	3.4 V6					250-24269		250-24836
2004-2001	3.4 V6	E				250-24269		250-24340
2000-1999	3.4 V6	E				250-24018		250-24340
2006-2005	3.5 V6					250-24470		250-24836
2006	3.9 V6					250-24470		250-24836
Parisienne								
1984	3.8 V6	A				250-21001		
1986	4.3 V6	Z				250-21001		
1985	4.3 V6	Z				250-23004		
1986-1983	5.0 V8	H, Y				250-21001		
Phoenix								
1984-1982	2.5 L4	5, R				250-21001		
1981-1980	2.5 L4	5				250-22001		
1984-1982	2.8 V6	X, Z				250-21001		
1981-1980	2.8 V6	7, X				250-22001		
Safari								
1989-1987	5.0 V8	Y				250-21001		
Solstice								
2009-2008	2.0 L4	X				250-25034		250-24745
2007	2.0 L4	X				250-25034		250-24727
2009-2008	2.4 L4	B				250-24704		250-24708
2007-2006	2.4 L4	B				250-24470		250-24339
Sunbird								
1986	1.8 L4	0, J				250-21001		
1994-1986	2.0 L4	H, K, M, P				250-21001		
1980	2.5 L4	V				250-22001		
1994-1991	3.1 V6	T				250-21001		
1980	3.8 V6	A				250-22001		
Sunfire								
2005-2002	2.2 L4	4, F	L61			250-24273		250-24334
2001-2000	2.2 L4	4				250-22060		250-24275

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PONTIAC (cont'd)								
Sunfire (cont'd)								
1999	2.2 L4	4				250-21028		250-24275
1998-1996	2.2 L4	4				250-21001		250-24616
1995	2.2 L4	4				250-21001		
1995	2.3 L4	D				250-21001		
2002-2000	2.4 L4	T				250-22060		250-24616
1999	2.4 L4	T				250-21028		250-24616
1998-1996	2.4 L4	T				250-21001		250-24616
T1000								
1987-1981	1.6 L4	9, C				250-21001		
Torrent								
2009-2008	3.4 V6	F				250-24470		250-24736
2007-2006	3.4 V6	F				250-24470		250-24836
2009-2008	3.6 V6	7			Front Rear	250-24324 250-24324		250-24773 250-24773
Trans Sport								
1995-1990	3.1 V6	D				250-21001		
1998-1997	3.4 V6	E				250-24018		250-24340
1996	3.4 V6	E				250-24012		250-24340
1995-1994	3.8 V6	L				250-24012		
1993	3.8 V6	L				250-23011		
1992	3.8 V6	L				250-21001		
Vibe								
2010-2009	1.8 L4	8	LAY			250-54006		250-24188
2008-2007	1.8 L4	8	1ZZFE			250-54006		250-24486
2006-2005	1.8 L4	8	1ZZFE	FWD		250-54006		250-24486
2006-2004	1.8 L4	L	2ZZGE			250-24796		250-24486
2006-2003	1.8 L4	8	1ZZFE	AWD		250-24777		250-24298
2004-2003	1.8 L4	8	1ZZFE	FWD		250-24777		250-24486
2003	1.8 L4	L	2ZZGE			250-24486		250-24486
2010-2009	2.4 L4	0	LAX	AWD		250-54007		250-24188
2010-2009	2.4 L4	0	LAX	GT/Base Model		250-54007		250-24360
PORSCHE								
718 Boxster								
2017	2.0 H4		MDD.PB		Left Right	250-25118 250-25129		250-241207 250-241207
2017	2.5 H4		MDD.NC		Left Right	250-25118 250-25129		250-241207 250-241207
718 Cayman								
2017	2.0 H4		MDD.PB		Left Right	250-25118 250-25129		250-241207 250-241207
2017	2.5 H4		MA2.22		Left Right	250-25118 250-25129		250-241207 250-241207
911								
2017	3.0 H6		MDC.HA, MDC.KA		Left Right	250-25033 250-25033		250-241207 250-241207
1983-1980	3.0 H6	A				250-21023		
1989-1986	3.2 H6	B				250-23060		
1985-1984	3.2 H6	B				250-23024		
1992-1991	3.3 H6	A				250-23060		
1989-1986	3.3 H6	B				250-23060		
2016-2012	3.4 H6		MA1.04		Left Right	250-25033 250-25033		250-24854 250-24854
2001-1999	3.4 H6				Left Right	250-24135 250-24135		250-24135 250-24135
2012-2010	3.6 H6				Left Right	250-25031 250-25031		250-24854 250-24854
2011	3.6 H6			Turbocharged Turbocharged	Left Right	250-25039 250-25039		250-24712 250-24712
2009	3.6 H6			Carrera, Targa Carrera, Targa	Left Right	250-25031 250-25031		250-24854 250-24854
2009	3.6 H6			GT2, Turbo GT2, Turbo	Left Right	250-25039 250-25039		250-24712 250-24712
2008-2007	3.6 H6			Exc. GT3 Models Exc. GT3 Models	Left Right	250-25039 250-25039		250-24712 250-24712

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PORSCHE (cont'd)								
911 (cont'd)								
2008-2007	3.6 H6			GT3 Models GT3 Models	Left Right	250-25015 250-25015		250-24682 250-24682
2006	3.6 H6				Left Right	250-25039 250-25039		250-24712 250-24712
2005-2002	3.6 H6				Left Right	250-24841 250-24841		250-24841 250-24841
2005-2002	3.6 H6			Turbocharged Turbocharged	Left Right	250-25079 250-25079		250-24648 250-24648
2001	3.6 H6				Left Right	250-25006 250-25006		250-24648 250-24648
1998-1995	3.6 H6	A			Left Right	250-24133 250-24133		250-24135 250-24135
1997-1996	3.6 H6	C			Left Right	250-24135 250-24135		250-24133 250-24133
1994-1989	3.6 H6	B, C		3 Wire Sensor 4 Wire Sensor		250-23060 250-24163		
1994	3.6 H6	B						
2017-2014	3.8 H6		MA1.71, MA1.71S, MDA.BA, MDB.CA MA1.75		Left Right	250-25035 250-25035		250-24854 250-24854
2016-2014	3.8 H6				Left Right	250-25033 250-25033		250-24712 250-24712
2016-2013	3.8 H6		MA1.03		Left Right	250-25033 250-25033		250-24854 250-24854
2012-2010	3.8 H6			Turbo, Turbo S Turbo, Turbo S	Left Right	250-25033 250-25033		250-24854 250-24854
2012	3.8 H6			Carrera S Carrera S	Left Right	250-25033 250-25033		250-24854 250-24854
2012	3.8 H6			Carrera (4S,GTS,4 GTS), Speedster, Targa 4s Carrera (4S,GTS,4 GTS), Speedster, Targa 4s	Left Right	250-25031 250-25031		250-24854 250-24854
2011-2010	3.8 H6			GT3, GT3 RS GT3, GT3 RS	Left Right	250-25031 250-25031		250-24682 250-24682
2011	3.8 H6			Carrera S Carrera S	Left Right	250-25031 250-25031		250-24854 250-24854
2011	3.8 H6			Carrera (4S,GTS), Speedster, Targa 4s Carrera (4S,GTS), Speedster, Targa 4s	Left Right	250-25031 250-25031		250-24854 250-24854
2010	3.8 H6			Carrera, Targa Carrera, Targa	Left Right	250-25031 250-25031		250-24854 250-24854
2009	3.8 H6				Left Right	250-25031 250-25031		250-24854 250-24854
2008-2006	3.8 H6				Left Right	250-25039 250-25039		250-24712 250-24712
2005	3.8 H6				Left Right	250-24841 250-24841		250-24841 250-24841
2017	4.0 H6		MA1.76		Left Right	250-25033 250-25033		250-24712 250-24712
2011	4.0 H6				Left Right	250-25031 250-25031		250-24682 250-24682
924								
1982-1980	2.0 L4	A				250-21023		
1988-1987	2.5 L4	A		Calif-ESV		250-23025		
1988-1987	2.5 L4	A		Non Calif-ESV		250-23029		
928								
1982-1980	4.5 V8	A				250-21023		
1984-1983	4.7 V8	B				250-23024		
1991-1988	5.0 V8	A, B				250-23060		
1987-1985	5.0 V8	B				250-23024		
1995-1993	5.4 V8	A				250-23060		
944								
1989-1986	2.5 L4	A				250-23060		
1988-1986	2.5 L4	A, B		Non Calif-ESV		250-23029		
1988-1983	2.5 L4	A, B		Calif-ESV		250-23025		
1985-1983	2.5 L4	A		Non Calif-ESV		250-21036		
1989	2.7 L4	A				250-23029		
1991-1989	3.0 L4	B				250-23029		
968								
1995-1992	3.0 L4	A				250-23029		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PORSCHE (cont'd)								
Boxster								
1999-1997	2.5 H6	A			Left Right	250-24423 250-24423		250-24423 250-24423
2014-2013	2.7 H6				Left Right	250-25033 250-25033		250-24934 250-24934
2008-2005	2.7 H6				Left Right	250-25015 250-25015		250-24682 250-24682
2004	2.7 H6				Left Right	250-24650 250-24650		250-24650 250-24650
2003-2000	2.7 H6				Left Right	250-24647 250-24647		250-24647 250-24647
2012-2009	2.9 H6				Left Right	250-25031 250-25031		250-24682 250-24682
2006-2005	3.2 H6				Left Right	250-25015 250-25015		250-24682 250-24682
2004	3.2 H6				Left Right	250-24650 250-24650		250-24650 250-24650
2003	3.2 H6				Left Right	250-24647 250-24647		250-24423 250-24423
2002-2000	3.2 H6				Left Right	250-24647 250-24647		250-24647 250-24647
2014-2013	3.4 H6				Left Right	250-25033 250-25033		250-24934 250-24934
2012-2009	3.4 H6				Left Right	250-25031 250-25031		250-24682 250-24682
2008-2007	3.4 H6				Left Right	250-25015 250-25015		250-24682 250-24682
Carrera GT								
2005-2004	5.7 V10		M80.01		Left Right	250-25006 250-25006		250-24648 250-24648
Cayenne								
2014-2011	3.0 V6	E			Left Right	250-25051 250-25049		250-24726 250-24672
2006-2004	3.2 V6	A			Left Right	250-25003 250-25007		250-24432 250-24432
2014	3.6 V6				Left Right	250-25035 250-25025		250-24955 250-24767
2013	3.6 V6				Left Right	250-25035 250-25025		250-24767 250-24955
2012-2011	3.6 V6	A			Cyl 1-3 Cyl 4-6	250-25035 250-25025		250-24955 250-24767
2010-2009	3.6 V6	A	M55.01		Cyl 1-3 Cyl 4-6	250-25034 250-25025		250-24699 250-24671
2008	3.6 V6	A	M55.01		Cyl 1-3 Cyl 4-6	250-25035 250-25035		250-24682 250-24682
2006-2003	4.5 V8	B			Left Right	250-25008 250-25004		250-24432 250-24432
2006-2003	4.5 V8	C			Left Right	250-25003 250-25003		250-24432 250-24432
2014-2011	4.8 V8	B			Left Right	250-25031 250-25031		250-241010 250-241010
2012-2011	4.8 V8	C			Left Right	250-25035 250-25035		250-241010 250-241010
2010-2009	4.8 V8	C	M48.51		Left Right	250-25035 250-25035		250-24682 250-24682
2010-2008	4.8 V8	B, D	M48.01		Left Right	250-25031 250-25031		250-24682 250-24682
2008	4.8 V8	C	M48.51		Left Right	250-25035 250-25035		250-24671 250-24699
Cayman								
2014	2.7 H6				Left Right	250-25033 250-25033		250-24934 250-24934
2008-2007	2.7 H6				Left Right	250-25015 250-25015		250-24682 250-24682
2012-2009	2.9 H6				Left Right	250-25031 250-25031		250-24682 250-24682
2014	3.4 H6				Left Right	250-25033 250-25033		250-24934 250-24934
2012-2009	3.4 H6				Left Right	250-25031 250-25031		250-24682 250-24682

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
PORSCHE (cont'd)								
Cayman (cont'd)								
2008-2006	3.4 H6				Left Right	250-25015 250-25015		250-24682 250-24682
Macan								
2017-2015	3.0 V6		MCT.MA, MDC.NA		Left Right	250-25077 250-25033		250-241207 250-24648
2017-2015	3.6 V6		MCT.LA		Left Right	250-25077 250-25033		250-241207 250-24648
Panamera								
2014	3.0 V6		MCW.DA		Left Right	250-25040 250-25031		250-24935 250-241147
2013-2012	3.0 V6	D			Left Right	250-25051 250-25049		250-24934 250-24934
2014-2011	3.6 V6		M46.20, M46.40		Left Right	250-25040 250-25073		250-24935 250-24934
2014-2010	4.8 V8		M48.20, M48.40, M48.70		Left Right	250-25040 250-25073		250-24935 250-24934
RAM								
1500								
2018-2014	3.0 V6	M	EXF	Diesel		250-25109		
2018-2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
2013	3.6 V6	G	ERB		Left Right	250-24680 250-24253		250-24680 250-24680
2012	3.7 V6	K			Left Right	250-24253 250-24253		250-24253 250-24253
2011	3.7 V6	K			Left Right	250-24460 250-24460		250-24253 250-24253
2013-2011	4.7 V8	P			Left Right	250-24253 250-24253		250-24253 250-24253
2018-2014	5.7 V8	T	EZH		Left Right	250-24460 250-24680		250-24253 250-24253
2018-2014	5.7 V8	T	EZH	6-Speed Trans 6-Speed Trans	Left Right	250-24253 250-24253		250-24253 250-24460
2013	5.7 V8	T	EZH	4WD 4WD	Left Right	250-24253 250-24253		250-24253 250-24460
2013	5.7 V8	T	EZH	RWD RWD	Left Right	250-24253 250-24253		250-24253 250-24680
2012	5.7 V8	T	EZC		Left Right	250-24253 250-24253		250-24460 250-24680
2012	5.7 V8	T	EZH		Left Right	250-24253 250-24253		250-24253 250-24460
2011	5.7 V8	T	EZH		Left Right	250-24253 250-24460		250-24253 250-24460
2500								
2018-2015	5.7 V8	T	EZC		Left Right	250-24680 250-24253		250-24460 250-24680
2018-2014	5.7 V8	2	EZF	CNG Engine CNG Engine	Left Right	250-24253 250-24253		250-24460 250-24680
2014-2012	5.7 V8	T	EZC		Left Right	250-24253 250-24253		250-24460 250-24680
2011	5.7 V8	T	EZC		Left Right	250-24253 250-24253		250-24460 250-24460
2018-2014	6.4 V8	J	ESA		Left Right	250-24680 250-24253		250-24460 250-24680
2012-2011	6.7 L6	L	ETJ	Diesel		250-25034		250-25034
3500								
2018-2015	5.7 V8	T	EZC		Left Right	250-24680 250-24253		250-24460 250-24680
2014-2012	5.7 V8	T	EZC		Left Right	250-24253 250-24253		250-24460 250-24680
2011	5.7 V8	T	EZC		Left Right	250-24253 250-24253		250-24460 250-24460
2018-2017	6.4 V8	J	ESB	Cab & Chassis: Aisin Trans Cab & Chassis: Aisin Trans	Left Right	250-24680 250-24680		250-24253 250-241035
2018-2017	6.4 V8	J	ESB	Cab & Chassis: Chrysler Trans Cab & Chassis: Chrysler Trans	Left Right	250-24680 250-24680		250-24680 250-24460

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
RAM (cont'd)								
3500 (cont'd)								
2018-2014	6.4 V8	J	ESA, ESB		Left Right	250-24680 250-24253		250-24460 250-24680
2016-2015	6.4 V8	J	ESB	Cab & Chassis Cab & Chassis	Left Right	250-24680 250-24253		250-24460 250-24680
2012	6.7 L6			Diesel		250-25034		250-25034
4500								
2017-2014	6.4 V8	J	ESB	Cab & Chassis Cab & Chassis	Left Right	250-24680 250-24680		250-24253 250-241035
5500								
2017-2014	6.4 V8	J	ESB	Cab & Chassis Cab & Chassis	Left Right	250-24680 250-24680		250-24253 250-241035
C/V								
2015-2012	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24253
Dakota								
2011	3.7 V6				Left Right	250-24253 250-24460		250-24460 250-24460
2011	4.7 V8				Left Right	250-24253 250-24460		250-24460 250-24460
ProMaster 1500								
2014	3.0 L4	D	EXG	Diesel		250-25109		
2018-2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
ProMaster 2500								
2014	3.0 L4	D	EXG	Diesel		250-25109		
2018-2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
ProMaster 3500								
2014	3.0 L4	D	EXG	Diesel		250-25109		
2018-2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
ProMaster City								
2018-2015	2.4 L4	T	ED6			250-25128		250-24680
RENAULT								
Alliance								
1987-1986	1.4 L4	D, E		Connector-Ford		250-21004		
1987-1986	1.4 L4	D, E		Connector-GM		250-21001		
1985-1983	1.4 L4	D, E				250-21004		
1984-1983	1.4 L4	E				250-21011		
1987-1986	1.7 L4	A		Connector-Ford		250-21004		
1987-1986	1.7 L4	A		Connector-GM		250-21001		
1985	1.7 L4	A				250-21004		
1987	2.0 L4	V	F3R			250-23501		
Encore								
1986	1.4 L4	D				250-21001 250-21004		
1985-1984	1.4 L4	D, E				250-21004		
1984	1.4 L4	E				250-21011		
1986	1.7 L4	A		Connector-Ford		250-21004		
1986	1.7 L4	A		Connector-GM		250-21001		
1985	1.7 L4	A				250-21004		
Fuego								
1984-1982	1.6 L4	B, C				250-21011		
1985-1984	2.2 L4	F				250-21011		
LeCar								
1983-1980	1.4 L4	A				250-21011		
R18i								
1983-1981	1.6 L4	B				250-21011		
1986-1984	2.2 L4	F				250-21011		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
ROLLS-ROYCE								
Corniche II								
1991	6.8 V8					250-24603		
Corniche IV								
1994	6.8 V8					250-24046		
Silver Spirit								
1995-1993	6.8 V8					250-24046		
1991	6.8 V8					250-24603		
Silver Spur								
1995-1993	6.8 V8					250-24046		
SAAB								
9-2X								
2005	2.0 H4		EJ205			250-54004		250-24440
2006	2.5 H4		EJ253	Non Turbo		250-54027		250-24440
2006	2.5 H4		EJ255	Turbo		250-54058		250-24440
2005	2.5 H4		EJ253			250-54061		250-24440
9-3								
2011-2004	2.0 L4	Y	B207L, B207R			250-24841		250-24353
2003	2.0 L4		B207L, B207R	Non SE Model		250-24497		250-24842
2003	2.0 L4		B205R	SE Model		250-24409		250-241122
2002-2000	2.0 L4		B205L, B205R			250-24409		250-241122
1999	2.0 L4	N, P	B204L, B204R	From Chassis # 020001		250-24135		250-24135
1999	2.0 L4	N, P	B204L, B204R	To Chassis # 020000		250-24163		250-24135
2002-2000	2.3 L4		B235R			250-24409		250-241122
1999	2.3 L4	G	B235R	From Chassis # 020001		250-24135		250-24135
1999	2.3 L4	G	B235R	To Chassis # 020000		250-24163		250-24135
2009-2006	2.8 V6	R, U	B284, B284R			250-25035		250-241125
9-3X								
2011-2010	2.0 L4	Y	B207R			250-24841		250-24353
9-5								
2011	2.0 L4		A20NFT			250-24698		250-24491
2009-2000	2.3 L4	E, G	B235E, B235L, B235R			250-24409		250-241122
1999	2.3 L4		B235E			250-24135		250-24135
2011-2010	2.8 V6	J	A28NER			250-24612		250-24648
2003-2001	3.0 V6	Z	B308E			250-24409		250-24410
2000	3.0 V6	Z	B308E	From Chassis/VIN #Y3040001		250-24409		250-24410
2000	3.0 V6	Z	B308E	To Chassis/VIN #Y3040000		250-24135		250-24177
1999	3.0 V6		B308E			250-24135		250-24177
9-7x								
2009-2007	4.2 L6	S				250-24698		250-24708
2006	4.2 L6	S				250-24698		250-24703
2005	4.2 L6	S				250-24654		250-24339
2009-2008	5.3 V8	M				250-24704		250-24703
					Left	250-24704		250-24491
2007	5.3 V8	M			Left	250-24704		250-24950
					Right	250-24704		250-24950
2006	5.3 V8	M		1st Design - Downstream Square Connector	Left	250-24704		250-24339
				1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M		2nd Design, Downstream Trapezoid Connector	Left	250-24704		250-24950
				2nd Design, Downstream Trapezoid Connector	Right	250-24704		250-24950
2005	5.3 V8	M			Left	250-24470		250-24836
					Right	250-24470		250-24836
99								
1980	2.0 L4					250-21011		
900								
1998-1996	2.0 L4	N	B204L			250-24163		250-24135
1995	2.0 L4	N				250-23079		
1994	2.0 L4	L, T	B202L, B202R	Non SE		250-23048		
1994	2.0 L4	N		SE Model		250-23079		
1993-1989	2.0 L4	D, L, T	B202I, B202L, B202R			250-23048		
1988-1986	2.0 L4	L	B202L	Turbo		250-23048		
1988	2.0 L4	J	B201I			250-23028		
1988	2.0 L4	D	B202I	Model S		250-23048		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
SAAB (cont'd)								
900 (cont'd)								
1987-1986	2.0 L4	J	B201I	1 Wire Sensor		250-21015		
1987-1986	2.0 L4	D	B202I	3 Wire Sensor		250-23048		
1985-1980	2.0 L4	3, 4, J, L, S	B201I, B202L			250-21011		
1994-1991	2.1 L4	E	B212I			250-23048		
1998-1996	2.3 L4	B	B234I			250-24163		250-24135
1995-1994	2.3 L4	B				250-23079		
1997-1996	2.5 V6	V	B258I		Front Rear	250-24134 250-24134		250-24048 250-24048
1995-1994	2.5 V6	V	B258I		Front Rear	250-23078 250-23078		
9000								
1990	2.0 L4	D, L	B202I, B202L			250-23048		
1989-1987	2.0 L4	D	B202I	Non Turbo		250-23028		
1989-1987	2.0 L4	L	B202L	Turbo		250-23048		
1986	2.0 L4	L	B202L			250-23048		
1998-1996	2.3 L4	M, R, U	B234E, B234L, B234R			250-24163		250-24134
1995-1994	2.3 L4	B, M, R, U				250-23079		
1993	2.3 L4	B	B234I	Non Turbo		250-23130		
1993	2.3 L4	M, R	B234L, B234R	Turbo		250-23100		
1992	2.3 L4	B, M	B234I, B234L			250-23100		
1991-1990	2.3 L4	B, M	B234I, B234L			250-23048		
1997-1996	3.0 V6	W	B308I		Front Rear	250-24134 250-24134		250-24177 250-24177
1995	3.0 V6	W	B308I		Front Rear	250-23078 250-23078		
SATURN								
Astra								
2008	1.8 L4	1	2H0			250-24765		250-24765
Aura								
2009	2.4 L4	B		Gas Engine		250-24492		250-24708
2009	2.4 L4	5		Hybrid Drive		250-24704		250-24708
2008-2007	2.4 L4	5				250-24704		250-24708
2008	3.5 V6	N			Front Rear	250-24470 250-24470		250-24736 250-24736
2007	3.5 V6	N			Front Rear	250-24470 250-24470		250-24267 250-24267
2009-2008	3.6 V6	7			Front Rear	250-24470 250-24470		250-24736 250-24728
2007	3.6 V6	7			Front Rear	250-24470 250-24470		250-24836 250-24488
Ion								
2007-2005	2.0 L4	P				250-24273		250-24354
2004	2.0 L4	P				250-24273		250-24443
2007-2005	2.2 L4					250-24470		250-24354
2004-2003	2.2 L4					250-24273		250-24443
2007-2006	2.4 L4					250-24470		250-24354
L100								
2002	2.2 L4					250-24273		250-24354
2001	2.2 L4	F	L61			250-22060		250-24350
L200								
2003-2002	2.2 L4	F	L61			250-24355		250-24354
2001	2.2 L4					250-22060		250-24350
L300								
2004	2.2 L4					250-24273		250-24354
2005-2001	3.0 V6				Front Rear	250-25010 250-25010		250-24409 250-24353
LS								
2000	2.2 L4	F	L61			250-22060		250-24350
LS1								
2000	2.2 L4	F	L61			250-22060		250-24350

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
SATURN (cont'd)								
LS2								
2000	3.0 V6				Front Rear	250-25010 250-25010		250-24409 250-24353
LW1								
2000	2.2 L4	F	L61			250-22060		250-24350
LW2								
2000	3.0 V6				Front Rear	250-25010 250-25010		250-24409 250-24353
LW200								
2003-2002	2.2 L4	F	L61			250-24355		250-24354
2001	2.2 L4	F	L61			250-22060		250-24350
LW300								
2003-2001	3.0 V6	R			Front Rear	250-25010 250-25010		250-24409 250-24353
Outlook								
2010-2009	3.6 V6	D	LLT		Front Rear	250-24649 250-24649		250-24649 250-24649
2008-2007	3.6 V6	7			Front Rear	250-24470 250-24470		250-24708 250-24708
Relay								
2006-2005	3.5 V6	L				250-24470		250-24836
2007-2006	3.9 V6	1, W	LGD			250-24470		250-24836
SC								
1992-1991	1.9 L4	7				250-21029		
SC1								
2002-2000	1.9 L4	8				250-21028		250-24354
1999-1996	1.9 L4	8				250-21028		250-24618
1995	1.9 L4	8				250-21028		
1994-1993	1.9 L4	9				250-21029		
SC2								
2002-2000	1.9 L4	7				250-21028		250-24354
1999-1996	1.9 L4	7				250-21028		250-24618
1995	1.9 L4	7				250-21028		
1994	1.9 L4	7				250-21030		
1994	1.9 L4	7			Calif-ESV Non Calif-ESV	250-21029		
1993	1.9 L4	7				250-21029		
Sky								
2010-2008	2.0 L4	X				250-25034		250-24745
2007	2.0 L4	X				250-25034		250-24727
2007	2.0 L4	X		1st Design - Downstream 16" Lead 2nd Design - Downstream 27" Lead		250-25034		250-24745
2010-2008	2.4 L4	B				250-24704		250-24708
2007	2.4 L4	B				250-24470		250-24339
SL								
2002-2000	1.9 L4					250-21028		250-24354
1999-1996	1.9 L4					250-21028		250-24618
1995	1.9 L4					250-21028		
1994-1991	1.9 L4					250-21029		
SL1								
2002-2000	1.9 L4	8				250-21028		250-24354
1999-1996	1.9 L4	8				250-21028		250-24618
1995	1.9 L4	8				250-21028		
1994-1991	1.9 L4	9				250-21029		
SL2								
2002-2000	1.9 L4	7				250-21028		250-24354
1999-1996	1.9 L4	7				250-21028		250-24618
1995	1.9 L4	7				250-21028		
1994	1.9 L4	7				250-21030		
1994	1.9 L4	7			Calif-ESV Non Calif-ESV	250-21029		
1993-1991	1.9 L4	7				250-21029		
SW1								
1999-1996	1.9 L4	8				250-21028		250-24618

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
SATURN (cont'd)								
SW1 (cont'd)								
1995	1.9 L4	8				250-21028		
1994-1993	1.9 L4	9				250-21029		
SW2								
2001-2000	1.9 L4	7				250-21028		250-24354
1999-1996	1.9 L4	7				250-21028		250-24618
1995	1.9 L4	7				250-21028		
1994	1.9 L4	7		Calif-ESV		250-21030		
1994	1.9 L4	7		Non Calif-ESV		250-21029		
1993	1.9 L4	7				250-21029		
Vue								
2007-2006	2.2 L4	D				250-24470		250-24354
2005-2002	2.2 L4					250-24273		250-24354
2010-2008	2.4 L4	P, Z				250-24704		250-24708
2007	2.4 L4	Z				250-24470		250-24354
2003-2002	3.0 V6					250-241125		250-241125
					Front	250-241125		250-241125
					Rear	250-241125		250-241125
2009-2008	3.5 V6	N				250-24470		250-24736
					Front	250-24470		250-24736
2007-2004	3.5 V6	4				250-25001		250-24346
					Front	250-25001		250-24391
2010-2008	3.6 V6	7				250-24470		250-24708
					Front	250-24470		250-24708
					Rear	250-24470		250-24708
SCION								
FR-S								
2015-2013	2.0 H4		FA20			250-54084		250-24440
iA								
2016	1.5 L4		P5			250-25102		250-241177
iQ								
2015-2012	1.3 L4	J	1NRFE			250-54066		250-24420
tC								
2010-2009	2.4 L4		2AZ-FE, 2AZFE			250-54107		250-24420
2008-2005	2.4 L4		2AZFE			250-54007		250-24420
2015-2011	2.5 L4		2AR-FE			250-54084		250-24360
xA								
2006-2004	1.5 L4		1NZ-FE			250-24489		250-24298
xB								
2006-2004	1.5 L4		1NZ-FE			250-24489		250-24298
2015-2011	2.4 L4		2AZ-FE			250-54069		250-24420
2010-2008	2.4 L4		2AZ-FE			250-54107		250-24420
xD								
2014-2010	1.8 L4	U	2ZRFE			250-54066		250-24298
2009-2008	1.8 L4		2ZRFE			250-54006		250-24298
SMART								
Fortwo								
2015-2008	1.0 L3		132.910			250-25042		250-24675
SRT								
Viper								
2014-2013	8.4 V10				Left Right	250-24680 250-24680		250-24460 250-24460
STERLING								
825								
1988-1987	2.5 V6	A, B, C, D				250-21009		
827								
1991-1989	2.7 V6	G, H, J, K				250-21009		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
SUBARU								
B9 Tribeca								
2007-2006	3.0 H6		EZ30D		Left Right	250-54114 250-54114		250-24487 250-24487
Baja								
2006-2003	2.5 H4		EJ253	Non Turbo		250-54011		250-24373
2006	2.5 H4		EJ255	Turbo		250-54025		250-24440
2005	2.5 H4		EJ255	Turbo		250-54058		250-24440
2004	2.5 H4		EJ255	Turbo		250-54025		250-24440
Brat								
1987-1981	1.8 H4	5				250-21011		
BRZ								
2015-2013	2.0 H4	A	FA20D			250-54084		250-24440
DL								
1984-1981	1.6 H4	2				250-21011		
1989-1988	1.8 H4	4, 5				250-21005		
1987-1981	1.8 H4	4, 5				250-21011		
Forester								
2015-2014	2.0 H4		FA20F			250-25125		250-241160
2015-2013	2.5 H4		FB25BA, FB25BC			250-54084		250-24487
2013-2011	2.5 H4		EJ255			250-54064		250-24487
2010-2009	2.5 H4		EJ255	Turbo		250-54058		250-24487
2010-2007	2.5 H4		EJ253	Non Turbo		250-54027		250-24440
2008-2004	2.5 H4		EJ255	Turbo		250-54058		250-24440
2006	2.5 H4		EJ253			250-54027		250-24440
2005	2.5 H4		EJ253	Non Turbo		250-54061		250-24440
2004	2.5 H4		EJ251	Non Turbo		250-54011		250-24440
2003	2.5 H4		EJ251			250-54011		250-24295
2002-2000	2.5 H4	6	EJ251			250-25005		250-24295
1999	2.5 H4		EJ253			250-23091		250-24295
1998	2.5 H4	6	EJ25D	Early Build		250-23091		250-23088
1998	2.5 H4	6	EJ25D	Late Build		250-23091		250-23088
GL								
1987-1986	1.6 H4	2				250-21011		
1989-1988	1.8 H4	4, 5		Non Turbo, Carbureted		250-21011		
1989-1988	1.8 H4	4, 5		Non Turbo, Fuel Injection		250-21005		
1989-1988	1.8 H4	5		Turbo, Calif-ESV		250-23508		
1989-1988	1.8 H4	5		Turbo, Non Calif-ESV		250-21005		
1987-1981	1.8 H4	4, 5, 7				250-21011		
GL-10								
1989-1988	1.8 H4	4				250-21005		
1989-1988	1.8 H4	4, 5, 7		Calif-ESV		250-23508		
1989-1988	1.8 H4	4, 5, 7		Non Calif-ESV		250-21005		
1987-1985	1.8 H4	4, 5, 7				250-21011		
GLF								
1982-1981	1.8 H4	4				250-21011		
Impreza								
1997-1996	1.8 H4	1, 2				250-23088		250-23088
1995-1993	1.8 H4	2				250-23083		
2015-2012	2.0 H4		FB20			250-54084		250-24487
2005-2002	2.0 H4		EJ205			250-54004		250-24440
2001-2000	2.2 H4	4	EJ222			250-54015		250-24290
1999	2.2 H4		EJ223	Calif-ESV		250-54015		250-24295
1999	2.2 H4	4	EJ222	Calif-ESV		250-54015		250-24290
1999	2.2 H4		EJ223	Non Calif-ESV		250-23091		250-24295
1999	2.2 H4	4	EJ222	Non Calif-ESV		250-23091		250-24290
1998	2.2 H4	4	EJ22EZ			250-23088		250-23091
1997-1995	2.2 H4	4, 6				250-23088		250-23088
2014-2011	2.5 H4		EJ255			250-54064		250-24487
2014-2011	2.5 H4		EJ257			250-54079		250-24440
2011	2.5 H4		EJ253			250-54027		250-24440
2010-2009	2.5 H4		EJ255	Turbo, 2.5 GT, WRX, WRX Premium		250-54064		250-24487
2010-2008	2.5 H4		EJ253	Outback Sport, 2.5i, 2.5i Premium		250-54027		250-24440
2010-2008	2.5 H4		EJ257	WRX STI		250-54079		250-24440

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
SUBARU (cont'd)								
Impreza (cont'd)								
2008	2.5 H4		EJ255	Turbo, 2.5 GT, WRX, WRX Premium		250-54058		250-24487
2007-2006	2.5 H4		EJ253	Non Turbo		250-54027		250-24440
2007-2004	2.5 H4		EJ255, EJ257	Turbo, 2.5 GT, WRX, WRX Premium		250-54058		250-24440
2005	2.5 H4		EJ253	Non Turbo		250-54061		250-24440
2004-2003	2.5 H4		EJ251	Non Turbo		250-54011		250-24295
2002-2000	2.5 H4	6	EJ251			250-25005		250-24295
1999	2.5 H4		EJ253			250-23091		250-24295
1998	2.5 H4	6	EJ25D			250-23088		250-23091
Justy								
1994-1989	1.2 L3	7, 8				250-21016		
1988	1.2 L3	7, 8				250-21005		
1987	1.2 L3	7				250-21013		
Legacy								
1999	2.2 H4	4	EJ22E	Calif-ESV		250-54015		250-24290
1999	2.2 H4	4	EJ22E	Non Calif-ESV		250-23091		250-24373
1998-1996	2.2 H4	3, 4				250-23091		250-23088
1995	2.2 H4	6				250-23088		
1994-1991	2.2 H4	6		Non Turbo		250-23083		
1994-1991	2.2 H4	6		Turbo		250-23103		
1990	2.2 H4	6				250-23083		
2014-2013	2.5 H4		FB25			250-54084		250-24487
2012-2011	2.5 H4		EJ253			250-54067		250-24440
2012-2011	2.5 H4		EJ255			250-54068		250-24440
2010	2.5 H4		EJ253	Non Turbo		250-54067		250-24440
2010	2.5 H4		EJ255	Turbo, 2.5 GT, WRX, WRX Premium		250-54068		250-24440
2009-2008	2.5 H4		EJ255	Turbo, 2.5 GT, WRX, WRX Premium		250-54064		250-24440
2009-2006	2.5 H4		EJ253	Non Turbo		250-54027		250-24440
2007-2005	2.5 H4		EJ255	Turbo		250-54058		250-24440
2005	2.5 H4		EJ253	Calif-ESV		250-54061	250-24440	250-24440
2005	2.5 H4		EJ253	Non Calif-ESV		250-54061		250-24440
2004-2003	2.5 H4		EJ253			250-54011		250-24373
2004	2.5 H4		EJ259			250-54027		250-24440
2002	2.5 H4		EJ253			250-25005		250-24373
2001-2000	2.5 H4		EJ251, EJ252, EJ253	A/T		250-25005		250-24373
2001-2000	2.5 H4		EJ251, EJ252, EJ253	M/T		250-54015		250-24290
1999	2.5 H4		EJ25D			250-23091		250-24373
1998-1996	2.5 H4					250-23091		250-23088
2009-2008	3.0 H6		EZ30D		Left Right	250-54114		250-24487
						250-54114		250-24487
2014-2010	3.6 H6		EZ36D		Left Right	250-54074		250-24487
						250-54074		250-24487
Loyale								
1994-1990	1.8 H4	4, 5				250-21005		
1990	1.8 H4	4, 5		Calif-ESV		250-23508		
1990	1.8 H4	4, 5		Non Calif-ESV		250-21005		
Outback								
2014-2013	2.5 H4		FB25			250-54084		250-24487
2012-2010	2.5 H4		EJ253			250-54067		250-24440
2009-2008	2.5 H4		EJ255	Turbo XT Limited		250-54064		250-24440
2009	2.5 H4		EJ253	2.5I, 2.5I Limited		250-54027		250-24440
2008-2006	2.5 H4		EJ253	Non Turbo		250-54027		250-24440
2007-2005	2.5 H4		EJ255	Turbo XT Limited		250-54058		250-24440
2005	2.5 H4		EJ253	Calif-ESV		250-54027	250-24440	250-24440
2005	2.5 H4		EJ253	Non Calif-ESV		250-54061		250-24440
2004-2003	2.5 H4		EJ253			250-54011		250-24373
2004	2.5 H4		EJ259	SULEV		250-54027		250-24440
2002	2.5 H4		EJ253			250-25005		250-24373
2001-2000	2.5 H4		EJ251, EJ252, EJ253	A/T		250-25005		250-24373
2001-2000	2.5 H4		EJ251, EJ252, EJ253	M/T		250-54015		250-24290
2009-2006	3.0 H6		EZ30D		Left Right	250-54114		250-24487
						250-54114		250-24487
2005	3.0 H6		EZ30D			250-54114		250-24487
2004-2001	3.0 H6		EZ30D		Left Right	250-54002		•250-24440
						250-54002		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
SUBARU (cont'd)								
Outback (cont'd)								
2014-2010	3.6 H6		EZ36D		Left Right	250-54074 250-54074		250-24487 250-24487
RX								
1989-1988	1.8 H4	5		Calif-ESV		250-23508		
1989-1988	1.8 H4	5		Non Calif-ESV		250-21005		
1987-1985	1.8 H4	5				250-21011		
Standard								
1987-1981	1.6 H4	2				250-21011		
1987	1.8 H4	5				250-21011		
1982-1981	1.8 H4	5				250-21011		
SVX								
1997-1996	3.3 H6	8			Left Right	250-23083 250-23083		•250-23083
1995-1992	3.3 H6	3			Left Right	250-23083 250-23083		
Tribeca								
2014-2010	3.6 H6		EZ36D		Left Right	250-54074 250-54074		250-24487 250-24487
2009-2008	3.6 H6		EZ36D		Left Right	250-54114 250-54114		250-24487 250-24487
WRX								
2015	2.0 H4		FA20F			250-25125		250-241160
WRX STI								
2015	2.5 H4		EJ257			250-54058		250-24440
XT								
1991-1988	1.8 H4	4, 7				250-21005		
1987-1985	1.8 H4	4, 7				250-21011		
1991-1988	2.7 H6	8, 9				250-21005		
XV Crosstrek								
2015-2013	2.0 H4		FB20			250-54084		250-24487
SUZUKI								
Aerio								
2003-2002	2.0 L4					250-24372		250-24291
2007-2004	2.3 L4					250-24372		250-24291
Equator								
2012-2010	2.5 L4		QR25DE			250-54037		250-24951
2009	2.5 L4		QR25DE			250-25005		250-24951
2012	4.0 V6		VQ40DE		Left Right	250-54035 250-54035		250-24403 250-24951
2011	4.0 V6		VQ40DE		Left Right	250-54037 250-54037		250-24403 250-24951
2010	4.0 V6		VQ40DE	From 07/2010 From 07/2010	Left Right	250-54035 250-54035		250-24403 250-24951
2010	4.0 V6		VQ40DE	To 07/2007 To 07/2007	Left Right	250-54037 250-54037		250-24403 250-24951
2009	4.0 V6		VQ40DE		Left Right	250-54037 250-54037		250-24403 250-24951
Esteem								
2000-1996	1.6 L4		G16S			250-24338		250-24060
1995	1.6 L4	3				250-24338		
2002-1999	1.8 L4	4				250-24372		250-24442
Forenza								
2008-2006	2.0 L4					250-24628		250-24183
2005-2004	2.0 L4					250-24384		250-241126
Grand Vitara								
2013-2009	2.4 L4	0	J24B			250-54034		250-24333
2005-2001	2.5 V6				Left Right	250-24372 250-24372		250-241120 250-241120
2000-1999	2.5 V6				Left Right	250-24049 250-24049		250-24407 250-24407

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
SUZUKI (cont'd)								
Grand Vitara (cont'd)								
2008-2007	2.7 V6				Left Right	250-54070 250-54070		250-24291 250-24291
2006	2.7 V6				Left Right	250-54092 250-54092		250-24291 250-24291
2001	2.7 V6				Left Right	250-241115 250-241115		250-24336 250-24336
2010-2009	3.2 V6	1	N32A		Left Right	250-24861 250-24861		250-24852 250-24852
Kizashi								
2013-2010	2.4 L4	9	J24B			250-54071		250-24861
Reno								
2008-2006	2.0 L4	Z				250-24628		250-24183
2005	2.0 L4					250-24384		250-241126
Samurai								
1995-1986	1.3 L4					250-21009		
Sidekick								
1989	1.3 L4	5				250-21009		
1998-1996	1.6 L4	0				250-24338		250-24338
1995-1994	1.6 L4	0		Calif-ESV		250-24338		
1995-1994	1.6 L4	0		Non Calif-ESV		250-23004		
1993-1992	1.6 L4	0		Convertible		250-23004		
1993	1.6 L4	0		Hardtop , Calif-ESV		250-24338		
1993	1.6 L4	0		Hardtop , Non Calif-ESV		250-23128		
1992	1.6 L4	0		Hardtop		250-23128		
1991	1.6 L4	0				250-23004		
1990-1989	1.6 L4	0				250-21009		
1998-1996	1.8 L4	2				250-24049		250-24399
Swift								
2001-1996	1.3 L4	2				250-24338		250-24335
1995	1.3 L4	2				250-24338		
1994-1993	1.3 L4	3				250-21070		
1992-1990	1.3 L4	3				250-21001		
1989	1.3 L4	3				250-21070		
SX4								
2013-2010	2.0 L4	5	J20B			250-54071		250-24770
2009-2008	2.0 L4					250-54034		250-24770
2007	2.0 L4					250-54034		250-24333
Verona								
2006	2.5 L6			Downstream length 500mm	Cyl 1-3	250-24772		250-241068
				Downstream length 500mm	Cyl 4-6	250-24772		250-241068
2006	2.5 L6			Downstream length 600mm	Cyl 1-3	250-24772		250-24789
				Downstream length 600mm	Cyl 4-6	250-24772		250-24789
2005-2004	2.5 L6				Cyl 1-3	250-24384		250-24691
					Cyl 4-6	250-24384		250-24691
Vitara								
2001	1.6 L4					250-241115		250-24336
2000-1999	1.6 L4			Calif-ESV		250-241115		250-24335
2000-1999	1.6 L4			Non Calif-ESV		250-24338		250-24338
2003-2001	2.0 L4					250-241115		250-24336
2000-1999	2.0 L4			Calif-ESV		250-241115		250-24335
2000-1999	2.0 L4			Non Calif-ESV		250-24338		250-24338
2004	2.5 V6				Left Right	250-24372 250-24372		250-241120 250-241120
X-90								
1998-1996	1.6 L4	1				250-24338		250-24338
XL-7								
2006-2002	2.7 V6				Front Rear	250-241115 250-241115		250-24336 250-24336
2009-2007	3.6 V6		N36A		Front Rear	250-24324 250-24324		250-24773 250-24773

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA								
4Runner								
1995	2.4 L4	R	22RE	Calif-ESV		250-24151		250-24361
1995	2.4 L4	R	22RE	Non Calif-ESV		250-24052		
1994	2.4 L4	R	22RE			250-24151		
1993	2.4 L4	R	22RE	Calif-ESV		250-24151		
1993	2.4 L4	R	22RE	Non Calif-ESV		250-24052		
1992	2.4 L4	R	22RE			250-24151		
1991-1990	2.4 L4	R	22RE			250-24056		
1989-1988	2.4 L4	R	22REC			250-24152		
1988-1985	2.4 L4	R	22RTEC	Turbo		250-21056		
1987-1984	2.4 L4	R	22R, 22REC			250-21051		
2010	2.7 L4		2TR-FE		Left Right	250-54059 250-54059		250-24360 250-24169
2000	2.7 L4		3RZFE	Calif-ESV, A/T		250-54052		250-24361
2000	2.7 L4		3RZFE	Calif-ESV, M/T		250-54051		250-24360
2000	2.7 L4		3RZFE	Non Calif-ESV, A/T		250-24154		250-24361
2000	2.7 L4		3RZFE	Non Calif-ESV, M/T		250-24154		250-24154
1999-1998	2.7 L4	M	3RZFE	2WD		250-24154		250-24154
1999-1996	2.7 L4	M	3RZFE	4WD, A/T		250-24154		250-24361
1999-1996	2.7 L4	M	3RZFE	4WD, M/T		250-24154		250-24154
1997-1996	2.7 L4	M	3RZFE	2WD		250-24154		250-24153
1995-1994	3.0 V6	V	3VZE	Calif-ESV		250-24052		250-24154
1995-1994	3.0 V6	V	3VZE	Non Calif-ESV		250-24052		
1993-1992	3.0 V6	V	3VZE			250-24052		
1991-1990	3.0 V6	V	3VZE			250-24056		
1989-1988	3.0 V6	V	3VZE			250-24152		
2002-2001	3.4 V6		5VZFE			250-54051		250-24360
2000	3.4 V6		5VZFE	Calif-ESV, 2WD		250-54051		250-24155
2000	3.4 V6		5VZFE	Calif-ESV, 4WD		250-54051		250-24153
2000	3.4 V6		5VZFE	Non Calif-ESV		250-24154		250-24154
1999	3.4 V6		5VZFE	Calif-ESV, A/T		250-54051		250-24155
1999	3.4 V6		5VZFE	Calif-ESV, M/T		250-54052		250-24155
1999	3.4 V6		5VZFE	Non Calif-ESV, 2WD		250-24154		250-24153
1999	3.4 V6		5VZFE	Non Calif-ESV, 4WD		250-24154		250-24154
1998	3.4 V6	N	5VZFE			250-24154		250-24154
1997-1996	3.4 V6	N	5VZFE	2WD		250-24154		250-24153
1997-1996	3.4 V6	N	5VZFE	4WD		250-24154		250-24154
2014-2013	4.0 V6		1GR-FE		Left Right	250-54066 250-54066		250-24344 250-24169
2012-2010	4.0 V6		1GR-FE		Left Right	250-54050 250-54050		250-24360 250-24169
2009-2005	4.0 V6		1GR-FE		Left Right	250-54050 250-54050		250-24360 250-24360
2004-2003	4.0 V6		1GR-FE		Left Right	250-54059 250-54059		250-24906 250-24906
2009-2005	4.7 V8		2UZFE		Left Right	250-54050 250-54050		250-24360 250-24360
2004-2003	4.7 V8		2UZFE		Left Right	250-24169 250-24169		250-24360 250-24360
Avalon								
2015-2014	2.5 L4		2ARFXE			250-54084		250-24360
2013	2.5 L4		2ARFXE		Front Rear	250-54084 250-54084		250-24360 250-24360
2004-2000	3.0 V6		1MZFE		Front Rear	250-54003 250-54057		•250-24107
1999-1997	3.0 V6	F	1MZFE	Calif-ESV Calif-ESV	Front Rear	250-54054 250-54054		•250-24107
1999-1997	3.0 V6	F	1MZFE	Non Calif-ESV Non Calif-ESV	Front Rear	250-24360 250-24360		•250-24107
1996-1995	3.0 V6	F, G	1MZFE		Front Rear	250-24360 250-24360		•250-24107
2014-2013	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24360 250-24225
2012-2008	3.5 V6		2GRFE		Front Rear	250-54007 250-54059		250-24360 250-24225
2007-2005	3.5 V6		2GRFE		Front Rear	250-54007 250-54113		250-24360 250-24225

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
Camry								
1991-1990	2.0 L4	S	3SFE	1 Wire Sensor		250-21051		
1991-1990	2.0 L4	S	3SFE	2 Wire Sensor		250-22068		
1989-1987	2.0 L4	S	3SFE			250-21051		
1986-1983	2.0 L4	S	2SELC			250-21058		
2001-2000	2.2 L4		5SFNE	CNG Engine		250-54002		250-24839
2001-2000	2.2 L4		5SFE	Gas Engine, Calif-ESV		250-54002		250-24839
2001-2000	2.2 L4		5SFE	Gas Engine, Non Calif-ESV		250-24106		250-24839
1999-1997	2.2 L4	G	5SFE	Calif-ESV		250-54106		250-24839
1999-1997	2.2 L4	G	5SFE	Non Calif-ESV		250-24106		250-24839
1996	2.2 L4	G	5SFE			250-22058		250-22008
1995-1994	2.2 L4	S	5SFE			250-21053		250-22008
1993-1992	2.2 L4	S	5SFE	Calif-ESV		250-21053		250-22008
1993-1992	2.2 L4	S	5SFE	Non Calif-ESV		250-21055		
2011-2007	2.4 L4		2AZ-FE, 2AZFXE			250-54007		250-24360
2008-2007	2.4 L4		2AZ-FE			250-54107		250-24360
2006-2004	2.4 L4		2AZ-FE	Calif-ESV		250-54107	250-24107	250-24839
2006-2004	2.4 L4		2AZ-FE	Non Calif-ESV		250-54107		250-24360
2003	2.4 L4		2AZ-FE	Calif-ESV		250-54007	250-24107	250-24839
2003	2.4 L4		2AZ-FE	Non Calif-ESV		250-54002		250-24420
2002	2.4 L4		2AZ-FE			250-54002		250-24420
2015-2014	2.5 L4	D	2AR-FE, 2ARFXE			250-54084		250-24360
2013-2012	2.5 L4		2AR-FE, 2ARFXE		Front	250-54084		250-24360
					Rear	250-54084		250-24360
2011-2010	2.5 L4		2AR-FE			250-54059		250-24360
1991-1990	2.5 V6	V	2VZFE	Calif-ESV		250-24051		250-22069
1991-1988	2.5 V6	V	2VZFE	Non Calif-ESV		250-24051		
1989-1988	2.5 V6	V	2VZFE	Calif-ESV		250-24051		250-22061
2006-2005	3.0 V6		1MZFE		Front	250-54114		250-24360
					Rear	250-54074		250-24225
2004	3.0 V6		1MZFE		Front	250-54114		250-24360
					Rear	250-54059		250-24225
2003-2002	3.0 V6		1MZFE		Front	250-54114		250-24360
					Rear	250-54074		250-24225
2001	3.0 V6		1MZFE	A/T	Front	250-54057		•250-24839
				A/T	Rear	250-54057		
2001	3.0 V6		1MZFE	M/T	Front	250-24360		•250-24839
				M/T	Rear	250-24360		
2000-1999	3.0 V6		1MZFE	Calif-ESV	Front	250-54054		250-24839
				Calif-ESV	Rear	250-54054		250-24839
2000-1999	3.0 V6		1MZFE	Non Calif-ESV	Front	250-24360		250-24839
				Non Calif-ESV	Rear	250-24360		250-24839
1998-1997	3.0 V6	F	1MZFE	Calif-ESV	Front	250-54054		•250-24839
				Calif-ESV	Rear	250-54054		
1998-1997	3.0 V6	F	1MZFE	Non Calif-ESV	Front	250-24360		•250-24839
				Non Calif-ESV	Rear	250-24360		
1996	3.0 V6	F	1MZFE		Front	250-24360		•250-24298
					Rear	250-24360		
1995-1994	3.0 V6	G	1MZFE			250-24360		250-24298
1993-1992	3.0 V6	V	3VZFE	Calif-ESV		250-21053		250-24298
1993-1992	3.0 V6	V	3VZFE	Non Calif-ESV		250-21053		
2006	3.3 V6		3MZFE		Front	250-54059		250-24360
					Rear	250-54008		250-24225
2005	3.3 V6		3MZFE		Front	250-54059		250-24360
					Rear	250-54059		250-24225
2004	3.3 V6		3MZFE		Front	250-54059		250-24360
					Rear	250-54008		250-24225
2014-2012	3.5 V6		2GRFE		Front	250-54084		250-24360
					Rear	250-54084		250-24225
2011-2008	3.5 V6		2GRFE		Front	250-54007		250-24360
					Rear	250-54059		250-24225
2007	3.5 V6		2GRFE		Front	250-54007		250-24360
					Rear	250-54113		250-24225
Celica								
1993-1992	1.6 L4	A	4AFE	Non Calif-ESV		250-24151		
1993-1990	1.6 L4	A	4AFE	Calif-ESV		250-22057		
1991-1990	1.6 L4	A	4AFE	Non Calif-ESV		250-24158		
2005-2003	1.8 L4	R	1ZZFE, 2ZZGE			250-24747		250-24623
2003-2000	1.8 L4	R	1ZZFE, 2ZZGE			250-24282		250-24623

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
Celica (cont'd)								
1997-1996	1.8 L4	B	7AFE			250-22008		250-24623
1995-1994	1.8 L4	A	7AFE			250-21053		250-22052
1993-1990	2.0 L4	S	3SGTE			250-24156		
1989-1988	2.0 L4	S	3SGELC, 3SGTE			250-24051		
1989	2.0 L4	S	3SFE	Calif-ESV, 1st Design		250-22068		
1989	2.0 L4	S	3SFE	Calif-ESV, 2nd Design		250-21051		
1989	2.0 L4	S	3SFE	Non Calif-ESV		250-21051		
1988-1986	2.0 L4	S	3SFE, 3SGELC			250-21051		
1986	2.0 L4	S	2SELC			250-21058		
1999-1996	2.2 L4	G	5SFE			250-22058		250-22010
1995	2.2 L4	S	5SFE			250-21053		250-22010
1994-1992	2.2 L4	S	5SFE	Non Calif-ESV		250-21053		
1994	2.2 L4	S	5SFE	Calif-ESV		250-21053		250-22010
1993-1992	2.2 L4	S	5SFE	Calif-ESV		250-21053		250-22003
1991-1990	2.2 L4	S	5SFE	Calif-ESV		250-22068		
1991-1990	2.2 L4	S	5SFE	Non Calif-ESV		250-21051		
1985-1981	2.4 L4	R	22R, 22REC			250-21051		
1980	2.6 L6	M	4ME			250-21059		
1986-1981	2.8 L6	M	5ME, 5MGE			250-21056		
Corolla								
1997-1996	1.6 L4	A	4AFE			250-22003		250-24107
1995-1993	1.6 L4	A	4AFE	Calif-ESV		250-21053		250-22051
1995-1993	1.6 L4	A	4AFE	Non Calif-ESV		250-22052		
1992-1990	1.6 L4	A	4AFE			250-22055		
1991-1990	1.6 L4	A	4AGE	Calif-ESV		250-24059		
1991-1990	1.6 L4	A	4AGE	Non Calif-ESV		250-24507		
1989-1988	1.6 L4	A	4AF	Eng Desg: 4AF		250-21051		
1989-1988	1.6 L4	A	4AFE	Eng Desg: 4AFE		250-21056		
1989	1.6 L4	A	4AGE	Eng Desg: 4AGE, Calif-ESV		250-24059		
1989	1.6 L4	A	4AGE	Eng Desg: 4AGE, Non Calif-ESV		250-22061		
1988-1984	1.6 L4	A	4ALC	Eng Desg: 4ALC		250-21056		
1988	1.6 L4	A	4AGE	Eng Desg: 4AGE		250-21051		
1988	1.6 L4	A	4AGELC	Eng Desg: 4AGELC		250-24150		
1987-1985	1.6 L4	A	4AGEC	Eng Desg: 4AGEC		250-21051		
1987-1983	1.6 L4	A	4AC	Eng Desg: 4AC		250-21056		
1987	1.6 L4	A	4AGELC	Eng Desg: 4AGELC		250-21051		
2015-2014	1.8 L4	P, U	2ZRFAE, 2ZRFE			250-54066		250-24839
2013-2011	1.8 L4	L	2ZRFE			250-54066		250-24188
2010-2009	1.8 L4	L, U	2ZRFE			250-54006		250-24188
2008-2005	1.8 L4	R	1ZZFE			250-54006		250-24486
2006-2005	1.8 L4		2ZZGE			250-24796		250-24486
2004-2003	1.8 L4	R	1ZZFE			250-24777		250-24486
2002-1998	1.8 L4	R	1ZZFE			250-241099		250-24107
1997-1995	1.8 L4	A, B	7AFE			250-22003		250-24107
1994-1993	1.8 L4	A	7AFE	Calif-ESV		250-21053		250-22051
1994-1993	1.8 L4	A	7AFE	Non Calif-ESV		250-22052		
1980	1.8 L4	T	3TC			250-21051		
2010-2009	2.4 L4		2AZ-FE			250-54007		250-24360
Corona								
1982-1981	2.4 L4	R	22R			250-21051		
Cressida								
1980	2.6 L6	M	4ME			250-21059		
1988-1981	2.8 L6	M	5ME, 5MGE			250-21056		
1992-1989	3.0 L6	M	7MGE	Calif-ESV		250-21051		250-24281
1992-1989	3.0 L6	M	7MGE	Non Calif-ESV		250-21051		
Echo								
2005-2003	1.5 L4		1NZ-FE			250-24489		250-24298
2002-2000	1.5 L4		1NZ-FE			250-24360		250-24298
FJ Cruiser								
2014-2013	4.0 V6		1GR-FE		Left Right	250-54066 250-54066		250-24344 250-24169
2012-2010	4.0 V6		1GR-FE		Left Right	250-54050 250-54050		250-24360 250-24169

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
FJ Cruiser (cont'd)								
2009-2007	4.0 V6		1GR-FE		Left Right	250-54050 250-54050		250-24360 250-24360
Highlander								
2007-2005	2.4 L4		2AZ-FE			250-54007		250-24644
2004	2.4 L4		2AZ-FE			250-54007		250-24137
2003-2001	2.4 L4		2AZ-FE		Cyl 1,4 Cyl 2,3	250-54007 250-54006		250-24137 250-24137
2013-2009	2.7 L4		1ARFE			250-54008		250-24837
2003-2001	3.0 V6		1MZFE		Front Rear	250-54054 250-54054		•250-24277
2010-2008	3.3 V6		3MZFE		Front Rear	250-54006 250-54050		250-24420 250-24837
2007-2006	3.3 V6		3MZFE	Hybrid Hybrid	Front Rear	250-54059 250-54059		250-24420 250-24837
2007-2004	3.3 V6		3MZFE		Front Rear	250-54059 250-54059		250-24420 250-241129
2015-2011	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24420 250-241129
2015-2011	3.5 V6		2GRFXE	Hybrid Hybrid	Front Rear	250-54084 250-54084		250-24870 250-24837
2010-2008	3.5 V6		2GRFE		Front Rear	250-54059 250-54007		250-24420 250-241129
Land Cruiser								
1992-1990	4.0 L6	F	3FE		Cyl 1-3 Cyl 4-6	250-24051 250-24150		
1989-1988	4.0 L6	F	3FE			250-24056		
1997-1996	4.5 L6	J	1FZFE			250-24157		250-24153
1995	4.5 L6	D	1FZFE	From 1/95		250-24157		250-24153
1995	4.5 L6	D	1FZFE	To 01/1995		250-24501		250-24501
1994-1993	4.5 L6	D	1FZFE		Cyl 1-3 Cyl 4-6	250-24501 250-24501		
2007-2006	4.7 V8		2UZFE		Left Right	250-54050 250-54050		250-24360 250-24360
2005	4.7 V8		2UZFE	From 5/2005 From 5/2005	Left Right	250-54050 250-54050		250-24360 250-24360
2005	4.7 V8		2UZFE	To 5/2005 To 5/2005	Left Right	250-24169 250-24169		250-24154 250-24154
2004-1998	4.7 V8	T	2UZFE		Left Right	250-24169 250-24169		250-24154 250-24154
2015	5.7 V8		3URFE		Left Right	250-54085 250-54085		250-24344 250-24169
2014	5.7 V8		3URFE	From 08/2013 From 08/2013	Left Right	250-54085 250-54085		250-24344 250-24169
2014	5.7 V8		3URFE	To 08/2013 To 08/2013	Left Right	250-54085 250-54085		250-24360 250-24169
2013	5.7 V8		3URFE		Left Right	250-54085 250-54085		250-24360 250-24169
2011-2008	5.7 V8		3URFE		Left Right	250-54050 250-54050		250-24360 250-24169
Matrix								
2013-2011	1.8 L4	U	2ZRFE			250-54066		250-24188
2010-2009	1.8 L4	U	2ZRFE			250-54006		250-24188
2008-2007	1.8 L4	R	1ZZFE			250-54006		250-24486
2006-2005	1.8 L4	R	1ZZFE	FWD		250-54006		250-24486
2006-2004	1.8 L4		2ZZGE			250-24796		250-24486
2006-2003	1.8 L4	R	1ZZFE	AWD		250-24777		250-24298
2004-2003	1.8 L4	R	1ZZFE	FWD		250-24777		250-24486
2004	1.8 L4	R	1ZZFE	FWD, XR Model		250-54006		250-24486
2003	1.8 L4		2ZZGE	From 05/03		250-24796		250-24486
2003	1.8 L4		2ZZGE	To 05/03		250-24486		250-24486
2013-2009	2.4 L4		2AZ-FE	AWD		250-54007		250-24188
2013-2009	2.4 L4		2AZ-FE	FWD		250-54007		250-24360
MR2								
1989-1988	1.6 L4	A	4AGELC			250-24056		
1989-1988	1.6 L4	A	4AGZE			250-24051		
1987-1985	1.6 L4	A	4AGELC			250-21056		
1995-1991	2.0 L4	S	3SGTE			250-24156		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
MR2 (cont'd)								
1995-1993	2.2 L4	S	5SFE			250-21054		250-22003
1992	2.2 L4	S	5SFE	From 1/92		250-21054		250-22003
1992	2.2 L4	S	5SFE	To 1/92		250-21056		250-22068
1991	2.2 L4	S	5SFE			250-21056		250-22068
MR2 Spyder								
2005-2000	1.8 L4	R	1ZZFE			250-24360		250-24404
Paseo								
1998-1997	1.5 L4	C	5EFE			250-22010		250-24107
1996	1.5 L4	C	5EFE			250-24360		250-24107
1995	1.5 L4	E	5EFE	Calif-ESV		250-24360		250-24107
1995	1.5 L4	E	5EFE	Non Calif-ESV		250-22052		
1994-1992	1.5 L4	E	5EFE			250-22052		
Pickup								
1980	2.2 L4	R	20R			250-21051		
1995-1993	2.4 L4	R	22RE	Calif-ESV, 2WD, Japan Built Vehicle		250-24052		250-24361
1995-1993	2.4 L4	R	22RE	Calif-ESV, 2WD, USA Built		250-24052		250-24154
1995-1993	2.4 L4	R	22RE	Calif-ESV, 4WD, Japan Built Vehicle		250-24151		250-24361
1995-1993	2.4 L4	R	22RE	Calif-ESV, 4WD, USA Built, Long Bed		250-24052		250-24361
1995-1993	2.4 L4	R	22RE	Calif-ESV, 4WD, USA Built, Short Bed		250-24052		250-24154
1995-1993	2.4 L4	R	22RE	Non Calif-ESV, 2WD		250-24151		
1995-1992	2.4 L4	R	22RE	Non Calif-ESV, 4WD		250-24052		
1995	2.4 L4	R	22RE	Calif-ESV, 4WD, Japan Built Vehicle		250-24151		
1992	2.4 L4	R	22RE	Calif-ESV, 2WD		250-24052		250-24151
1992	2.4 L4	R	22RE	Calif-ESV, 4WD		250-24052		250-24052
1992	2.4 L4	R	22RE	Non Calif-ESV, 2WD		250-24052		
1991-1990	2.4 L4	R	22RE	Calif-ESV, Short Bed, 4WD		250-24056		250-24150
1991-1989	2.4 L4	R	22RE	Calif-ESV, Long Bed, 2WD		250-24051		250-24150
1991-1989	2.4 L4	R	22RE	Calif-ESV, Long Bed, 4WD		250-24056		250-24051
1991-1989	2.4 L4	R	22RE	Calif-ESV, Short Bed, 2WD		250-24051		250-24055
1988-1985	2.4 L4	R	22RTEC	Turbo		250-21056		
1988	2.4 L4	R	22R	Carbureted		250-21051		
1988	2.4 L4	R	22REC	FI, 2WD		250-24053		
1988	2.4 L4	R	22REC	FI, 4WD		250-24152		
1987-1981	2.4 L4	R	22R, 22REC			250-21051		
1995-1994	3.0 V6	V	3VZE	Calif-ESV, 4WD		250-24052		250-24154
1995-1994	3.0 V6	V	3VZE	Non Calif-ESV, 4WD		250-24052		
1995	3.0 V6	V	3VZE	2WD, w/Dual Rear Wheels		250-24151		
1995	3.0 V6	V	3VZE	2WD, w/oDual Rear Wheels		250-24052		
1994-1993	3.0 V6	V	3VZE	Non Calif-ESV, 2WD, w/oDual Rear Wheels		250-24052		
1994-1992	3.0 V6	V	3VZE	Non Calif-ESV, 2WD, w/Dual Rear Wheels		250-24151		
1994	3.0 V6	V	3VZE	Calif-ESV, 2WD		250-24052		250-24154
1993-1992	3.0 V6	V	3VZE	4WD		250-24052		
1993-1992	3.0 V6	V	3VZE	Calif-ESV, 2WD		250-24501		
1992	3.0 V6	V	3VZE	Non Calif-ESV, 2WD, w/oDual Rear Wheels		250-24052		
1991-1990	3.0 V6	V	3VZE	2WD Non Calif-ESV, 4WD		250-24056		
1991	3.0 V6	V	3VZE	Calif-ESV, 2WD		250-24508		
1990	3.0 V6	V	3VZE	2WD, Calif-ESV		250-24508		
1989	3.0 V6	V	3VZE			250-24056		
1988	3.0 V6	V	3VZE			250-24152		
Previa								
1997-1994	2.4 L4	A, K	2TZFZE			250-24153		250-24153
1995-1991	2.4 L4	A	2TZFE			250-24052		250-22052
Prius								
2009-2004	1.5 L4		1NZFXE			250-54006		250-24623
2003-2001	1.5 L4		1NZFXE			250-24360		250-24298
2015-2012	1.8 L4		2ZRFXE			250-54066		250-24870
2011-2010	1.8 L4		2ZRFXE			250-54006		250-24870
Prius C								
2015-2012	1.5 L4		1NZFXE			250-54066		250-24870
Prius V								
2015-2012	1.8 L4		2ZRFXE			250-54066		250-24870

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
RAV4								
2003-2001	2.0 L4		1AZFE		Front Rear	250-54073 250-54078		250-24137 250-24137
2000-1998	2.0 L4	P	3SFE	Calif-ESV		250-54054		250-24155
2000-1998	2.0 L4	P	3SFE	Non Calif-ESV		250-24360		250-24155
1997	2.0 L4	P	3SFE	Calif-ESV		250-54054		250-22010
1997	2.0 L4	P	3SFE	Non Calif-ESV		250-22058		250-22010
1996	2.0 L4	P	3SFE			250-22058		250-22010
2008-2006	2.4 L4		2AZ-FE			250-54007		250-24360
2005-2004	2.4 L4		2AZ-FE			250-54007		250-24838
2015-2013	2.5 L4		2AR-FE			250-54084		250-24360
2012-2009	2.5 L4		2AR-FE			250-54059		250-24360
2012-2008	3.5 V6		2GRFE		Front Rear	250-54007 250-54059		250-24360 250-24203
2007-2006	3.5 V6		2GRFE		Front Rear	250-54007 250-54113		250-24360 250-24203
Sequoia								
2012-2010	4.6 V8		1URFE		Left Right	250-54050 250-54050		250-24360 250-24305
2009-2008	4.7 V8		2UZFE		Left Right	250-54050 250-54050		250-24360 250-24305
2007-2005	4.7 V8		2UZFE		Left Right	250-54050 250-54050		250-24360 250-24360
2004-2001	4.7 V8		2UZFE		Left Right	250-24169 250-24169		250-24154 250-24154
2014-2012	5.7 V8		3URFBE, 3URFE		Left Right	250-54085 250-54085		250-24360 250-24305
2011-2010	5.7 V8		3URFBE, 3URFE		Left Right	250-54050 250-54006		250-24360 250-24305
2009-2008	5.7 V8		3URFBE, 3URFE		Left Right	250-54050 250-54050		250-24360 250-24305
Sienna								
2012-2011	2.7 L4		1ARFE			250-54086		250-24914
2003-2001	3.0 V6		1MZFE		Front Rear	250-54057 250-54003		●250-24655
2000-1999	3.0 V6		1MZFE	Calif-ESV Calif-ESV	Front Rear	250-54054 250-54054		●250-24623
2000-1999	3.0 V6		1MZFE	Non Calif-ESV Non Calif-ESV	Front Rear	250-24360 250-24360		●250-24623
1998	3.0 V6	F	1MZFE		Front Rear	250-24360 250-24360		●250-24623
2006-2004	3.3 V6		3MZFE		Front Rear	250-54059 250-54008		250-24420 250-24645
2015	3.5 V6		2GRFE	To 09/2014 To 09/2014	Front Rear	250-54084 250-54084		250-24420 250-24914
2014-2012	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24420 250-24914
2011	3.5 V6		2GRFE	AWD AWD	Front Rear	250-54007 250-54059		250-24914 250-24914
2011	3.5 V6		2GRFE	FWD FWD	Front Rear	250-54007 250-54059		250-24914 250-24420
2010-2007	3.5 V6		2GRFE		Front Rear	250-54007 250-54008		250-24420 250-24645
Solara								
2001-2000	2.2 L4		5SFE	Calif-ESV		250-54002		250-24839
2001	2.2 L4		5SFE	Non Calif-ESV		250-24839		250-24839
2000-1999	2.2 L4		5SFE	Non Calif-ESV		250-24106		250-24839
1999	2.2 L4		5SFE	Calif-ESV		250-54106		250-24839
2008	2.4 L4		2AZ-FE			250-54007		250-24360
2007-2006	2.4 L4		2AZ-FE			250-54107		250-24360
2005	2.4 L4		2AZ-FE			250-54107		250-24107
2004	2.4 L4		2AZ-FE			250-54007		250-24360
2003-2002	2.4 L4		2AZ-FE			250-54002		250-24420
2003	3.0 V6		1MZFE		Front Rear	250-54057 250-54057		250-24839 250-24839
2002	3.0 V6		1MZFE	A/T A/T	Front Rear	250-54057 250-54057		●250-24839
2002	3.0 V6		1MZFE	M/T M/T	Front Rear	250-24360 250-24360		●250-24839

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
Solara (cont'd)								
2001	3.0 V6		1MZFE	A/T A/T	Front Rear	250-54057 250-54057		250-24839 250-24839
2001	3.0 V6		1MZFE	M/T M/T	Front Rear	250-24360 250-24360		250-24839 250-24839
2000-1999	3.0 V6		1MZFE	Calif-ESV Calif-ESV	Front Rear	250-54054 250-54054		250-24839 250-24839
2000-1999	3.0 V6		1MZFE	Non Calif-ESV Non Calif-ESV	Front Rear	250-24360 250-24360		250-24839 250-24839
2008-2005	3.3 V6		3MZFE		Front Rear	250-54059 250-54059		250-24360 250-24225
2004	3.3 V6		3MZFE		Front Rear	250-54059 250-54008		250-24360 250-24225
Starlet								
1984-1983	1.3 L4	K	4KE			250-21051		
Supra								
1998-1993	3.0 L6	E, J	2JZGTE	Turbo		250-24288		250-24277
1998	3.0 L6	D	2JZGE		Cyl 1-3 Cyl 4-6	250-24106 250-24298		250-24106 250-241116
1997-1996	3.0 L6	D	2JZGE		Cyl 1-3 Cyl 4-6	250-24305 250-24305		•250-24277
1995-1993	3.0 L6	J	2JZGE	Calif-ESV Calif-ESV	Cyl 1-3 Cyl 4-6	250-24305 250-24305		•250-24277
1995-1993	3.0 L6	J	2JZGE	Non Calif-ESV Non Calif-ESV	Cyl 1-3 Cyl 4-6	250-21054 250-21054		
1992-1991	3.0 L6	M	7MGTE			250-23052		
1992-1989	3.0 L6	M	7MGE	Calif-ESV		250-24279		
1992-1989	3.0 L6	M	7MGE	Non Calif-ESV		250-21056		
1990-1987	3.0 L6	M	7MGTE	Turbo		250-23051		
1988	3.0 L6	M	7MGE	Calif-ESV		250-24281		
1988	3.0 L6	M	7MGE	Non Calif-ESV		250-21051		
1987-1986	3.0 L6	M	7MGE			250-21051		
T100								
1998-1996	2.7 L4	M	3RZFE	M/T		250-24361		250-24154
1998-1995	2.7 L4	M, U	3RZFE	A/T		250-24154		250-24154
1995	2.7 L4	U	3RZFE	M/T		250-24151		250-24154
1994	2.7 L4	U	3RZFE			250-24151		250-24154
1994	3.0 V6	V	3VZE	2WD		250-24151		250-24153
1994	3.0 V6	V	3VZE	4WD		250-24151		250-24155
1993	3.0 V6	V	3VZE	Calif-ESV		250-24151		250-24153
1993	3.0 V6	V	3VZE	Non Calif-ESV		250-24151		
1998	3.4 V6					250-24154		250-24154
1997-1995	3.4 V6	N, V	5VZFE	A/T		250-24154		250-24154
1997-1995	3.4 V6	N, V	5VZFE	M/T, 2WD		250-24151		250-24154
1997-1995	3.4 V6	N, V	5VZFE	M/T, 4WD		250-24154		250-24154
Tacoma								
2004-2001	2.4 L4		2RZFE			250-54051		250-24159
2000	2.4 L4		2RZFE	Calif-ESV		250-24154		250-24159
2000	2.4 L4		2RZFE	Non Calif-ESV		250-24154		250-24153
1999-1995	2.4 L4	L, U	2RZFE	A/T		250-24154		250-24154
1999-1995	2.4 L4	L, U	2RZFE	M/T		250-24154		250-24153
2014	2.7 L4					250-54084		250-24305
2013	2.7 L4		2TR-FE	A/T		250-54084		250-24344
2013	2.7 L4		2TR-FE	M/T		250-54084		250-24305
2012	2.7 L4		2TR-FE	A/T		250-54113		250-24344
2012	2.7 L4		2TR-FE	M/T		250-54113		250-24305
2011	2.7 L4		2TR-FE		Left Right	250-54113 250-54113		250-24360 250-24360
2010-2005	2.7 L4		2TR-FE	2WD		250-54113		250-24360
2010-2005	2.7 L4		2TR-FE	4WD		250-54113		250-24305
2004-2001	2.7 L4		3RZFE			250-54051		250-24159
2000	2.7 L4		3RZFE	Calif-ESV, 2WD		250-54051		250-24159
2000	2.7 L4		3RZFE	Calif-ESV, 4WD		250-54051		250-24278
2000	2.7 L4		3RZFE	Non Calif-ESV, 2WD		250-24154		250-24155
2000	2.7 L4		3RZFE	Non Calif-ESV, 4WD		250-24154		250-24154
1999-1998	2.7 L4	M	3RZFE	2WD		250-24154		250-24155

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
Tacoma (cont'd)								
1999-1998	2.7 L4	M	3RZFE	4WD		250-24154		250-24154
1997-1996	2.7 L4	M	3RZFE			250-24154		250-24154
1995	2.7 L4	U	3RZFE	A/T		250-24154		250-24154
1995	2.7 L4	U	3RZFE	M/T		250-24154		250-24154
2004-2001	3.4 V6		5VZFE	A/T		250-54051		250-24159
2004-2001	3.4 V6		5VZFE	M/T		250-54052		250-24159
2000	3.4 V6		5VZFE	Calif-ESV, A/T, 2WD		250-54051		250-24278
2000	3.4 V6		5VZFE	Calif-ESV, A/T, 4WD		250-54051		250-24278
2000	3.4 V6		5VZFE	Calif-ESV, M/T		250-54052		250-24278
2000	3.4 V6		5VZFE	Non Calif-ESV		250-24154		250-24154
1999-1995	3.4 V6	N, V	5VZFE			250-24154		250-24154
2014-2012	4.0 V6		1GR-FE		Left	250-54085		250-24344
					Right	250-54085		250-24344
2011-2009	4.0 V6		1GR-FE		Left	250-54006		250-24360
					Right	250-54006		250-24360
2008-2005	4.0 V6		1GR-FE		Left	250-54050		250-24360
					Right	250-54050		250-24360
Tercel								
1998-1997	1.5 L4	C	5EFE			250-22010		250-24107
1996-1995	1.5 L4	C, E	5EFE			250-24360		250-24107
1994-1991	1.5 L4	E	3EE			250-22052		
1990-1987	1.5 L4	E	3E, 3EE			250-21051		
1988-1983	1.5 L4	A	3A, 3AC			250-21056		
1982-1980	1.5 L4	A	1AC, 3AC			250-21051		
Tundra								
2004-2001	3.4 V6		5VZFE	A/T		250-54051		250-24154
2004-2001	3.4 V6		5VZFE	M/T		250-54052		250-24154
2000	3.4 V6		5VZFE	Calif-ESV, A/T	Left	250-54051		250-24154
				Calif-ESV, A/T	Right	250-54051		250-24154
2000	3.4 V6		5VZFE	Calif-ESV, M/T	Left	250-54052		250-24154
				Calif-ESV, M/T	Right	250-54052		250-24154
2000	3.4 V6		5VZFE	Non Calif-ESV	Left	250-24154		250-24154
				Non Calif-ESV	Right	250-24154		250-24154
2014-2013	4.0 V6		1GR-FE		Left	250-54085		250-24344
					Right	250-54085		250-24305
2012-2011	4.0 V6		1GR-FE		Left	250-54085		250-24360
					Right	250-54085		250-24305
2010-2007	4.0 V6		1GR-FE		Left	250-54050		250-24360
					Right	250-54050		250-24305
2006-2005	4.0 V6		1GR-FE		Left	250-54050		250-24360
					Right	250-54050		250-24360
2014	4.6 V8		1URFE	From 08/2013	Left	250-54085		250-24344
				From 08/2013	Right	250-54085		250-24305
2014	4.6 V8		1URFE	To 08/2013	Left	250-54050		250-24360
				To 08/2013	Right	250-54050		250-24305
2013-2010	4.6 V8		1URFE		Left	250-54050		250-24360
					Right	250-54050		250-24305
2009-2007	4.7 V8		2UZFE		Left	250-54050		250-24360
					Right	250-54050		250-24305
2006-2005	4.7 V8		2UZFE		Left	250-54050		250-24360
					Right	250-54050		250-24360
2004-2000	4.7 V8		2UZFE		Left	250-24169		250-24154
					Right	250-24169		250-24154
2014-2013	5.7 V8		3URFBE, 3URFE		Left	250-54085		250-24360
					Right	250-54085		250-24305
2012-2010	5.7 V8		3URFBE, 3URFE		Left	250-54050		250-24360
					Right	250-54006		250-24305
2009-2007	5.7 V8		3URFBE, 3URFE		Left	250-54050		250-24360
					Right	250-54050		250-24305
Van								
1985-1984	2.0 L4	Y	3YEC			250-21051		
1989	2.2 L4	Y	4YEC			250-24055		250-22062
1988	2.2 L4	Y	4YEC			250-24055		
1987	2.2 L4	Y	4YEC	A/T		250-21056		
1987	2.2 L4	Y	4YEC	M/T		250-21051		
1986	2.2 L4	Y	4YEC			250-21051		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
TOYOTA (cont'd)								
Venza								
2014-2013	2.7 L4		1ARFE			250-54084		250-24420
2012-2009	2.7 L4		1ARFE			250-54059		250-24420
2014-2012	3.5 V6		2GRFE		Front	250-54084		250-24261
					Rear	250-54084		250-24360
2011	3.5 V6		2GRFE		Front	250-54059		250-24261
					Rear	250-54007		250-24360
2010-2009	3.5 V6		2GRFE		Front	250-54059		250-24360
					Rear	250-54007		250-24261
Yaris								
2014-2013	1.5 L4		1NZ-FE			250-54066		250-24298
2012-2007	1.5 L4		1NZ-FE			250-54006		250-24298
Yaris iA								
2017	1.5 L4		P5			250-25102		250-241177
VOLKSWAGEN								
Beetle								
2005	1.8 L4		BKF			250-25033	250-24495	250-24495
2004-2001	1.8 L4		AWP, AWV			250-25003		250-24734
2001	1.8 L4		APH			250-25003		250-24432
2000-1999	1.8 L4		APH			250-25003		250-24431
2006-2004	1.9 L4		BEW	Diesel				250-25036
2017-2016	2.0 L4		CPLA, CPPA			250-25112		250-241142
2015-2014	2.0 L4		CPLA, CPPA	From 06/30/2014		250-25118		250-241142
2015-2014	2.0 L4		CPLA, CPPA	To 06/29/2014		250-25120		250-241142
2015	2.0 L4		CPLA	From 12/08/2014		250-25112		250-241142
2015	2.0 L4		CPLA	To 12/07/2014		250-25118		250-241142
2014-2013	2.0 L4		CJAA	Diesel		250-25040		250-25037
2013-2012	2.0 L4		CBFA, CCTA			250-25035	250-24717	250-24672
2013	2.0 L4		CPLA			250-25120		250-241142
2005-2001	2.0 L4		AVH, AZG			250-25004		250-24495
2001	2.0 L4		AEG			250-24734		250-24495
2000	2.0 L4		AEG			250-24734		250-24431
1999	2.0 L4		AEG	From Chassis # 1C-X-460-001		250-24734		250-24495
1999	2.0 L4		AEG	To Chassis # 1C-X-460-000		250-24734		250-24431
1998	2.0 L4	B	AEG			250-24734		250-24431
2014	2.5 L5					250-25037	250-24717	250-24672
2013-2012	2.5 L5		CBUA			250-25037	250-24672	250-24672
2013-2012	2.5 L5		CBTA			250-25037		250-24672
2010-2009	2.5 L5		BPR			250-25052	250-24495	250-24495
2010-2009	2.5 L5		BPS			250-25052		250-24495
2008-2006	2.5 L5		BPR			250-25036	250-24495	250-24495
2008-2006	2.5 L5		BPS			250-25036		250-24495
Cabrio								
2002-2000	2.0 L4		ABA			250-24843		250-24843
1999-1996	2.0 L4	A, B	ABA			250-24146		250-24146
1995	2.0 L4	B, C	ABA			250-24066		
Cabriolet								
1993-1990	1.8 L4	B, C	2H	Calif-ESV		250-23013		
1993-1990	1.8 L4	B, C	2H	Non Calif-ESV		250-23023		
1989-1988	1.8 L4	A	JH			250-23048		
1987-1985	1.8 L4	A	JH			250-21011		
CC								
2015-2010	2.0 L4		CBFA			250-25035	250-24717	250-24672
2015-2010	2.0 L4		CCTA			250-25035		250-24672
2009	2.0 L4		CCTA			250-25035		250-24955
2015-2011	3.6 V6		BLV, CNNA		Front	250-25040		250-24717
					Rear	250-25033		250-24672
2010-2009	3.6 V6				Front	250-25040		250-24671
					Rear	250-25033		250-24672
Corrado								
1992-1991	1.8 L4	B, C	PG			250-23013		
1990	1.8 L4	B	PG			250-23023		
1994-1992	2.8 V6	D, E, F	AAA			250-24066		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLKSWAGEN (cont'd)								
Dasher								
1980	1.6 L4		YG, YH			250-21011		
Eos								
2015-2009	2.0 L4		CBFA			250-25035	250-24717	250-24672
2015	2.0 L4		CCTA			250-25035		250-24672
2013-2010	2.0 L4		CCTA			250-25035		250-24672
2009-2007	2.0 L4		BPY, CCTA			250-25035		250-24699
2008-2007	3.2 V6		BUB		Front Rear	250-25026 250-25035		250-24954 250-24699
EuroVan								
1995	2.5 L5	E	ACU			250-23013		
1993	2.5 L5	C, D	AAF			250-23013		
2003	2.8 V6		AXK			250-25003		250-24843
2002-2001	2.8 V6		AXK			250-25008		250-24689
2000-1999	2.8 V6		AES			250-24147		250-24417
1997	2.8 V6	H	AES			250-24147		250-24417
Fox								
1993-1991	1.8 L4	A, B	ABG		Calif-ESV	250-23013		
1993-1991	1.8 L4	A, B	ABG		Non Calif-ESV	250-23023		
1990-1988	1.8 L4	A, B	JN			250-23048		
1987	1.8 L4	A	JN, UM		From 6/87	250-23048		
1987	1.8 L4	A	JN, UM		To 6/87	250-21011		
Golf								
2006-2001	1.8 L4		AWP, AWW			250-25003		250-24734
2001-2000	1.8 L4		AWD			250-24734		250-24431
1992-1991	1.8 L4	A, B, K	RV		Calif-ESV	250-23013		
1992-1991	1.8 L4	A, B, K	RV		Non Calif-ESV	250-23018		
1992-1988	1.8 L4	A, B, K	PF			250-23827		
1990-1988	1.8 L4	A, B, K	RV			250-23018		
1989-1988	1.8 L4	C	PL		GTI Model	250-23048		
1987-1985	1.8 L4	A	GX		1 Wire Sensor	250-21011		
1987-1985	1.8 L4	B, C	HT, PL, RD		3 Wire Sensor	250-23048		
2006-2004	1.9 L4		BEW		Diesel			250-25036
2014-2010	2.0 L4		CJAA		Diesel	250-25040		250-25037
2006-2001	2.0 L4		AVH, AZG, BEV			250-25004		250-24495
2001-2000	2.0 L4		AEG			250-24734		250-24495
1999-1996	2.0 L4	A, B	ABA			250-24146		250-24146
1999	2.0 L4		AEG		From Chassis # 1J-X-697 003	250-24734		250-24495
1999	2.0 L4		AEG		To Chassis # 1J-X-697 002	250-24494		250-24431
1995-1993	2.0 L4	A, B, C, L, R	ABA			250-24066		
1992-1990	2.0 L4	E, J	9A			250-23048		
2014-2012	2.5 L5		CBTA			250-25037		250-24672
2014	2.5 L5		CBUA			250-25037	250-24672	250-24717
2013-2012	2.5 L5		CBUA			250-25037	250-24672	250-24672
2011-2010	2.5 L5		CBUA			250-25037	250-24672	250-24692
2011-2010	2.5 L5		CBTA			250-25037		250-24692
2005-2002	2.8 V6		BDF			250-25003		250-24170
2002-1999	2.8 V6		AFP			250-25003		250-24734
1998-1996	2.8 V6	D	AAA			250-24147		250-24146
1995	2.8 V6	D, E	AAA			250-24147		
2004	3.2 V6		BJS		Front Rear	250-25008 250-25080		250-24493 250-24263
GTI								
2014-2011	2.0 L4		CCTA			250-25035		250-24672
2014	2.0 L4		CBFA			250-25035	250-24672	250-24717
2013-2011	2.0 L4		CBFA			250-25035	250-24717	250-24672
2010-2008	2.0 L4		CBFA			250-25035	250-24671	250-24699
2010-2006	2.0 L4		BPY, CCTA			250-25035		250-24699
Jetta								
2016-2015	1.4 L4		CNLA			250-25035		250-241144
2014-2013	1.4 L4		CNLA			250-25035	250-241144	250-241143
1980	1.6 L4		EJ			250-21011		
1984-1981	1.7 L4	A, B	EN			250-21011		
2005-2002	1.8 L4		AWP			250-25003		250-24494

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLKSWAGEN (cont'd)								
Jetta (cont'd)								
2001	1.8 L4		AWD	4 Wire Upstream Sensor		250-24734		250-24431
2001	1.8 L4		AWW	5 Wire Upstream Sensor		250-25003		250-24494
2000	1.8 L4		AWD			250-24734		250-24431
1992-1991	1.8 L4	A, K	RV	Calif-ESV		250-23013		
1992-1991	1.8 L4	A, K	RV	Non Calif-ESV		250-23018		
1992-1988	1.8 L4	A, B, K	PF			250-23827		
1991	1.8 L4					250-23013		
1990-1987	1.8 L4	A, B, K	PF, RD, RV			250-23018		
1989-1987	1.8 L4	C	PL	GLI 16 Valve		250-23048		
1987-1985	1.8 L4	A, B	GX, RD	1 Wire Sensor		250-21011		
1986-1985	1.8 L4	B	HT, RD	3 Wire Sensor		250-23048		
1984	1.8 L4	B	JH			250-21011		
2006-2005	1.9 L4		BRM	Diesel				250-25035
2005-2004	1.9 L4		BEW	Diesel				250-25036
2017-2016	2.0 L4		CPLA, CPPA			250-25112		250-241142
2015-2011	2.0 L4		CBPA			250-25049		250-24672
2015	2.0 L4		CPLA, CPPA	From 12/08/2014		250-25112		250-241142
2015	2.0 L4		CPLA, CPPA	To 12/07/2014		250-25118		250-241142
2014-2013	2.0 L4		CPLA, CPPA			250-25120		250-241142
2014-2010	2.0 L4		CJAA	Diesel		250-25040		250-25037
2013-2012	2.0 L4		CBFA			250-25035	250-24717	250-24672
2013-2012	2.0 L4		CCTA			250-25035		250-24672
2010-2008	2.0 L4		CBFA			250-25035	250-24671	250-24699
2010-2006	2.0 L4		BPY, CCTA			250-25035		250-24699
2009	2.0 L4		CBEA	Diesel		250-25035		250-25037
2005-2004	2.0 L4		BBW			250-25004	250-24495	250-24431
2005-2002	2.0 L4		AVH, AZG, BEV			250-25004		250-24495
2004	2.0 L4		AVH, AZG			250-24843		250-24495
2001-2000	2.0 L4		AEG			250-24734		250-24495
2001	2.0 L4		AVH, AZG	5 Wire Upstream Sensor		250-25004		250-24495
1999	2.0 L4		AEG	Engine: AEG, From Chassis # 9M-X-085 415		250-24734		250-24495
1999	2.0 L4		AEG	Engine: AEG, To Chassis # 9M-X-085 414		250-24734		250-24431
1999	2.0 L4		ABA	Engine Code, ABA		250-24146		250-24146
1998-1996	2.0 L4	A, B	ABA			250-24146		250-24146
1995-1993	2.0 L4	A, B, C	ABA			250-24066		
1992-1990	2.0 L4	E, J	9A			250-23048		
2014	2.5 L5					250-25037	250-24717	250-24672
2013-2010	2.5 L5		CBUA			250-25037	250-24672	250-24672
2013-2010	2.5 L5		CBTA			250-25037		250-24672
2009	2.5 L5		CBUA			250-25037	250-24672	250-24692
2009	2.5 L5		CBTA			250-25037		250-24692
2008-2005	2.5 L5		BGQ, CBUA			250-25033	250-24672	250-24692
2008-2005	2.5 L5		BGP, CBTA			250-25033		250-24692
2004-2002	2.8 V6		BDF			250-25003		250-24170
2002-2000	2.8 V6		AFP			250-25003		250-24494
1999	2.8 V6		AAA	Engine Code, AAA, AFP		250-24147		250-24146
1999	2.8 V6		AFP	Engine Code, AAA, AFP		250-25003		250-24494
1998-1996	2.8 V6	D	AAA			250-24147		250-24146
1995	2.8 V6	D, E	AAA			250-24147		
1994	2.8 V6	E	AAA			250-24066		
Passat								
2005-2002	1.8 L4		AWM			250-25004		250-24432
2001-2000	1.8 L4		AUG, AWM	5 Wire Upstream Sensor		250-25004		250-24432
2000	1.8 L4		ATW	4 Wire Upstream Sensor		250-24843		250-24432
1999-1998	1.8 L4		AEB			250-24417		250-24147
1992	1.8 L4	E	PG	Syncro, Canada only		250-23822		
2014-2012	2.0 L4		CKRA	Diesel				250-25040
2010-2006	2.0 L4		BPY, CCTA			250-25035		250-24955
2010	2.0 L4		CBFA			250-25035	250-24717	250-24955
2005-2004	2.0 L4		BHW	Diesel				250-25036
1996	2.0 L4	C	ABA			250-24147		250-24146
1995	2.0 L4	C	ABA	From Chassis # 3A-S-202 677		250-24194		
1995	2.0 L4	C	ABA	To Chassis # 3A-S-202 676		250-24307		
1993-1991	2.0 L4	B, C	9A			250-23023		
1990	2.0 L4	B	9A			250-23048		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLKSWAGEN (cont'd)								
Passat (cont'd)								
2014	2.5 L5		CBTA, CBUA			250-25037	250-24672	250-24717
2013-2012	2.5 L5		CBTA			250-25037		250-24672
2013-2012	2.5 L5		CBUA			250-25037	250-24717	250-24672
2005-2000	2.8 V6	H	ATQ		Front Rear	250-24395 250-24395		250-24414 250-24414
1999-1998	2.8 V6		AHA		Front Rear	250-24147 250-24147		250-24174 250-24174
1997-1996	2.8 V6	E	AAA			250-24147		250-24146
1995	2.8 V6	E	AAA	Calif-ESV		250-24066		
1995	2.8 V6	E	AAA	Non Calif-ESV		250-24194		
1994-1993	2.8 V6	D, E, F	AAA	Calif ESV		250-24066		
1994-1993	2.8 V6	D, E, F	AAA	Non Calif ESV		250-24823		
2015	3.6 V6		CDVB		Left Right	250-25037 250-25040		250-24717 250-24717
2014-2012	3.6 V6		CDVB		Front Rear	250-25037 250-25040		250-24717 250-24717
2008	3.6 V6		BLV		Front Rear	250-25040 250-25033		250-24671 250-24672
2007-2006	3.6 V6		BLV		Front Rear	250-25040 250-25033	250-24671 250-24672	250-24954 250-24672
2004-2002	4.0 W8		BDP		Front Rear	250-25007 250-25003		250-24494 250-24494
Phaeton								
2006-2004	4.2 V8		BGH		Left Right	250-25007 250-25003		250-24494 250-24734
2006	6.0 W12		BRP		Cyl 1-3 Cyl 4-6	250-25026 250-25026		250-24494 250-24494
2006	6.0 W12		BRP		Cyl 7-9 Cyl 10-12	250-25033 250-25040		250-24432 250-24432
2005-2004	6.0 W12		BAP		Cyl 1-3 Cyl 4-6	250-25007 250-25007		250-24494 250-24432
2005-2004	6.0 W12		BAP		Cyl 7-9 Cyl 10-12	250-25003 250-25007		250-24432 250-24494
Quantum								
1983-1982	1.7 L4	A	WT			250-21011		
1985-1984	1.8 L4	A, B	JN			250-21011		
1988	2.2 L5	B	KX			250-23048		
1987	2.2 L5	B	JT, KX	Exc. Syncro		250-23048		
1986-1983	2.2 L5	B, E	KM, KX, WE			250-21011		
1986	2.2 L5	B	JT	Syncro Model		250-23048		
R32								
2008	3.2 V6		CBRA		Left Right	250-25026 250-25035		250-24954 250-24699
Rabbit								
1980	1.5 L4		EH, FX			250-21011		
1980	1.6 L4		EJ			250-21011		
1984-1981	1.7 L4	A, B	EN, JF			250-21011		
1984-1983	1.8 L4	A, C	JH			250-21011		
2009	2.5 L5		CBTA, CBUA			250-25037	250-24672	250-24692
2008-2006	2.5 L5		BGP, BGQ, CBTA			250-25033		250-24692
2008	2.5 L5		CBUA			250-25033	250-24672	250-24692
2006	2.5 L5		BGQ			250-25033	250-24672	250-24692
Rabbit Convertible								
1980	1.6 L4		EJ			250-21011		
1983-1981	1.7 L4	A, B	EN			250-21011		
1984	1.8 L4					250-21011		
Rabbit Pickup								
1980	1.5 L4		EH, FX			250-21011		
1980	1.6 L4		EJ			250-21011		
1983-1981	1.7 L4	A, B	EN			250-21011		
Routan								
2012-2011	3.6 V6	G	CJRA		Front Rear	250-24680 250-24680		250-24680 250-24253
2010-2009	3.8 V6	1	CGUA			250-24675		250-24460

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLKSWAGEN (cont'd)								
Routan (cont'd)								
2010-2009	4.0 V6	X	CGVA		Front Rear	250-24253 250-24253		250-24253 250-24253
Scirocco								
1980	1.6 L4		EJ			250-21011		
1983-1981	1.7 L4	A, B	EN			250-21011		
1988	1.8 L4	B, C	PL			250-23048		
1987	1.8 L4	B, C	PL	16 Valve		250-23048		
1987	1.8 L4	A, C	JH	Exc. 16 Valve		250-21011		
1986-1984	1.8 L4	C	JH	1 Wire Sensor		250-21011		
1986-1984	1.8 L4	A	JH	3 Wire Sensor		250-23048		
Super Beetle								
1980	1.6 H4		AJ			250-21011		
Tiguan								
2015-2010	2.0 L4		CCTA			250-25049		250-24672
2009	2.0 L4		CCTA			250-25049		250-24955
Touareg								
2015-2011	3.0 V6		CGFA		Left Right	250-25051 250-25049		250-24717 250-24672
2014-2009	3.0 V6		CATA, CNRB	Diesel				250-25040
2006	3.2 V6		BMX		Left Right	250-25007 250-25002		250-24432 250-24431
2005	3.2 V6		BMX		Left Right	250-25007 250-25002		250-24432 250-24843
2004	3.2 V6		BAA		Left Right	250-25007 250-25002		250-24432 250-24431
2015	3.6 V6		CGRA		Left Right	250-25040 250-25040		250-24717 250-24717
2014-2011	3.6 V6		CGRA		Left Right	250-25040 250-25040		250-24717 250-24672
2010-2009	3.6 V6		BHK		Left Right	250-25040 250-25040		250-24671 250-24699
2008-2007	3.6 V6		BHK		Left Right	250-25025 250-25034		250-24671 250-24699
2009-2007	4.2 V8		BAR		Left Right	250-25008 250-25003		250-24726 250-24717
2007-2004	4.2 V8		AXQ		Left Right	250-25008 250-25003		250-24493 250-24843
2004	4.9 V10		BKW	Diesel Diesel	Left Right	250-25054 250-25053		
2008-2006	5.0 V10		BWF	Diesel Diesel	Left Right	250-25037 250-25036		
Transporter								
1979	2.0 H4		CJ, GE			250-21024		
Vanagon								
1985-1984	1.9 H4	B	DH			250-21027		
1983	1.9 H4	B	DH			250-21024		
1983-1980	2.0 H4	A	CV			250-21024		
1991-1986	2.1 H4	B	MV			250-23124		
VOLVO								
240								
1993	2.3 L4	8	B230F	Calif-ESV		250-23069		
1993	2.3 L4	8	B230F	Non Calif-ESV		250-23033		
1992-1990	2.3 L4	8	B230F			250-23033		
242								
1984-1980	2.1 L4	4	B21F, B21FT			250-21011		
1984	2.3 L4	8	B23F			250-21011		
1983	2.3 L4	8	B23F			250-23019		
244								
1985	2.1 L4					250-21015		
1984-1980	2.1 L4	4	B21F, B21FT			250-21011		
1989	2.3 L4	8	B230F			250-23033		
1988	2.3 L4	8	B230F			250-23028		
1987-1986	2.3 L4	8	B230F			250-23019		

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLVO (cont'd)								
244 (cont'd)								
1985	2.3 L4	8	B230F			250-23028		
1984	2.3 L4	8	B23F			250-21011		
1983	2.3 L4	8	B23F			250-23019		
245								
1985	2.1 L4	4	B21FT			250-21015		
1984-1980	2.1 L4	4	B21F, B21FT			250-21011		
1989	2.3 L4	8	B230F			250-23033		
1988	2.3 L4	8	B230F			250-23028		
1987-1986	2.3 L4	8	B230F			250-23019		
1985	2.3 L4	8	B230F			250-23028		
1984	2.3 L4	8	B23F			250-21011		
1983	2.3 L4	8	B23F			250-23019		
262								
1981-1980	2.8 V6	6	B28F			250-21011		
264								
1980	2.1 L4	4	B21F			250-21011		
1982-1980	2.8 V6	6	B28F			250-21011		
265								
1981-1980	2.8 V6	6	B28F			250-21011		
740								
1992-1989	2.3 L4	8	B230F, B234F	w/oRegina Engine Control System		250-23033		
1992-1989	2.3 L4	8	B230F, B234F	w/Regina Engine Control System		250-23811		
1992-1985	2.3 L4	8	B230FT			250-23019		
1990	2.3 L4	8	B234F			250-23811		
1988-1985	2.3 L4	8	B230F			250-23028		
1986-1985	2.4 L6	7	D24T	Diesel				250-23028
745								
1985	2.3 L4	8	B230F			250-23028		
1985	2.3 L4	8	B230FT			250-23019		
760								
1990-1984	2.3 L4	8	B230FT, B23FT			250-23019		
1990-1987	2.8 V6	6	B280F			250-23033		
1986-1985	2.8 V6	6	B28F			250-23019		
1984-1983	2.8 V6	6	B28F			250-21011		
780								
1991-1989	2.3 L4	8	B230FT			250-23019		
1990-1987	2.8 V6	6	B280F			250-23033		
850								
1997-1994	2.3 L5					250-24135		250-24048
1997-1995	2.4 L5	55	B5254FS, B5254T			250-24135		250-24048
1994-1993	2.4 L5	55	B5254FS	Air Pump		250-24109		250-24048
1994	2.4 L5	55	B5254FS	Exc.Air Pump, From Chassis/VIN #70019		250-24178		250-24048
1994	2.4 L5	55	B5254FS	Exc.Air Pump, To Chassis/VIN #70018		250-24192		250-24048
1993	2.4 L5	55	B5254FS	Exc.Air Pump		250-24192		250-24048
940								
1995-1994	2.3 L4	8	B230FT			250-23080		
1995-1994	2.3 L4	8, 88	B230F, B230FD	w/oRegina Engine Control System		250-23070		
1995-1994	2.3 L4	8, 88	B230F, B230FD	w/Regina Engine Control System		250-23812		
1993-1991	2.3 L4	8	B230FT			250-23019		
1991	2.3 L4	8	B234F			250-23033		
960								
1997-1996	2.9 L6	96	B6304S2			250-24177		250-24385
1995	2.9 L6	96	B6304S2			250-24177		
1994-1992	2.9 L6	9	B6304F			250-23033		
C30								
2013-2008	2.5 L5		B5254T7			250-25079		250-24409
C70								
2004-2000	2.3 L5		B5234T3, B5234T9			250-25006		250-24409
1999	2.3 L5		B5234T3			250-25005		250-24409
1998	2.3 L5		B5234T3			250-24135		250-24133

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLVO (cont'd)								
C70 (cont'd)								
2004-2000	2.4 L5		B5244T, B5244T7			250-25006		250-24409
1999	2.4 L5		B5254T			250-25005		250-24409
1998	2.4 L5		B5254T	Early Build		250-24135		250-24048
1998	2.4 L5		B5254T	Late Build		250-24135		250-24133
2013-2006	2.5 L5		B5254T3, B5254T7			250-25079		250-24409
S40								
2004-2000	1.9 L4					250-24415		250-24428
2010-2007	2.4 L5		B5244S7			250-54042	250-24408	250-24455
2010-2004	2.4 L5		B5244S4			250-54026		250-24455
2006-2005	2.4 L5		B5244S7			250-54026	250-24408	250-24482
2011-2004	2.5 L5		B5254T3, B5254T7			250-25079		250-24409
S60								
2004-2001	2.3 L5		B5234T3			250-25006		250-24409
2009-2005	2.4 L5		B5244T5			250-25006		250-24409
2005-2003	2.4 L5		B5244S			250-54028		250-24482
2005	2.4 L5	64	B5244S6			250-54026		250-24482
2003-2001	2.4 L5		B5244T3			250-25006		250-24409
2003	2.4 L5		B5244S6			250-54026		250-24482
2002	2.4 L5		B5244S	Non-Turbo		250-54009		250-24482
2001	2.4 L5		B5244S	Non-Turbo		250-54009		250-24408
2014-2013	2.5 L5					250-54043		250-241070
2012	2.5 L5		B5254T5			250-25079		250-24409
2009-2005	2.5 L5		B5254T2, B5254T4			250-25006		250-24409
2004-2003	2.5 L5		B5254T2			250-25006		250-24748
2004	2.5 L5		B5254T4	Turbo Model R		250-25006		250-24748
2014-2011	3.0 L6	90	B6304T4			250-54043		250-24455
S70								
2000	2.3 L5	53	B5234T3	Turbo		250-25006		250-24409
1999	2.3 L5	53	B5234T3			250-25005		250-24409
1998	2.3 L5			From Chassis #408556 , Factory Code 2		250-24135		250-24133
1998	2.3 L5			To Chassis #408555 , Factory Code 2		250-24135		250-24048
2000-1999	2.4 L5	55, 61	B5244S, B5254S	Non Turbo		250-54010		250-24408
2000	2.4 L5	56	B5244T	Turbo		250-25006		250-24409
1999	2.4 L5	56	B5254T	Turbo		250-25005		250-24409
1998	2.4 L5	56	B5254T	From Chassis #409466 , Factory Code 1		250-24135		250-24133
1998	2.4 L5	55	B5254S	Non Turbo		250-24135		250-24048
1998	2.4 L5	56	B5254T	To Chassis #408555 , Factory Code 2		250-24135		250-24048
S80								
2006-2005	2.5 L5		B5254T2			250-25006		250-24409
2004	2.5 L5		B5254T2			250-25006		250-24748
2001-1999	2.8 L6		B6284T			250-25009		250-24410
						250-25009		250-24410
2005-2003	2.9 L6		B6294T	Turbo		250-25011		250-24409
				Turbo		250-25006		250-24409
2004-2003	2.9 L6		B6294S, B6294S2	Non-Turbo		250-25009		250-24409
				Non-Turbo		250-25006		250-24409
2002	2.9 L6		B6294S	Non-Turbo		250-25009		250-241122
				Non-Turbo		250-25006		250-24409
2002	2.9 L6		B6294T	Turbo		250-25011		250-241122
				Turbo		250-25006		250-24409
2001	2.9 L6		B6294S	Non-Turbo		250-25009		250-24353
				Non-Turbo		250-25011		250-241122
2000	2.9 L6		B6294S	Non-Turbo		250-25009		•250-241122
				Non-Turbo		250-25011		
1999	2.9 L6		B6304S	Non-Turbo		250-25009		250-24410
2014-2008	3.0 L6	90	B6304T2, B6304T4			250-54043		250-24455
2014-2011	3.2 L6	94	B6324S4	Eng Desg. B6324S4		250-54043	250-241176	250-24455
2014-2011	3.2 L6	95	B6324S5	Eng Desg. B6324S5		250-54043		250-24455
				Eng Desg. B6324S5	Left	250-54043		250-24455
2010	3.2 L6		B6324S2	Eng Desg. B6324S2	Right	250-54043	250-241176	250-24455
2010	3.2 L6	98	B6324S	Eng Desg. B6324S	Left	250-54043		250-24455
				Eng Desg. B6324S	Right	250-54043		250-24455
2009-2007	3.2 L6		B6324S		Left	250-54043		250-24455
					Right	250-54043		250-24455

● Requires only one rear sensor/

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLVO (cont'd)								
S80 (cont'd)								
2010-2008	4.4 V8		B8444S		Left Right	250-54077 250-54077		250-24455 250-24482
2007	4.4 V8		B8444S	From Chassis/VIN #35288 From Chassis/VIN #35288	Left Right	250-54077 250-54077		250-24455 250-24482
2007	4.4 V8		B8444S	To Chassis/VIN #35287 To Chassis/VIN #35287	Left Right	250-54026 250-54077		250-24455 250-24482
S90								
1998-1997	2.9 L6	96	B6304S2			250-24177		250-24385
V40								
2004-2000	1.9 L4		B4204T, B4204T3, B4204T4			250-24415		250-24428
V50								
2010-2007	2.4 L5		B5244S7			250-54042	250-24408	250-24455
2010-2005	2.4 L5		B5244S4			250-54026		250-24455
2006	2.4 L5		B5244S7			250-54026	250-24408	250-24455
2005	2.4 L5		B5244S7			250-54026	250-24408	250-24482
2011-2005	2.5 L5		B5254T3, B5254T7			250-25079		250-24409
V70								
2004-2000	2.3 L5		B5234T3			250-25006		250-24409
1999	2.3 L5		B5234T3, B5234T8			250-25005		250-24409
1998	2.3 L5	52, 53	B5234T3, B5234T6	From Chassis #342001		250-24135		250-24048
1998	2.3 L5	52, 53	B5234T3, B5234T6	To Chassis #342000		250-24135		250-24133
2007-2003	2.4 L5		B5244S			250-54028		250-24482
2006-2005	2.4 L5	64	B5244S6			250-54026		250-24482
2005	2.4 L5		B5244T5	Turbo		250-25006		250-24409
2003-2000	2.4 L5	56	B5244T, B5244T3	Turbo		250-25006		250-24409
2003	2.4 L5		B5244S6			250-54026		250-24482
2002	2.4 L5		B5244S	Non Turbo		250-54009		250-24482
2001	2.4 L5		B5244S	Non Turbo		250-54009		250-24408
2000-1999	2.4 L5	55, 61	B5244S, B5254S	Non Turbo		250-54010		250-24408
1999	2.4 L5	56	B5254T	Turbo		250-25005		250-24409
1998	2.4 L5	55	B5254S	Non Turbo		250-24135		250-24048
1998	2.4 L5	56	B5254T	X/C AWD		250-24135		250-24133
2007-2005	2.5 L5		B5254T2, B5254T4			250-25006		250-24409
2004-2003	2.5 L5	59	B5254T2, B5254T4			250-25006		250-24748
2010	3.2 L6		B6324S2	Eng Desg. B6324S2		250-54043	250-241176	250-24455
2010	3.2 L6		B6324S	Eng Desg. B6324S	Left Right	250-54043 250-54043		250-24455 250-24455
2009-2008	3.2 L6		B6324S	Eng Desg. B6324S	Left Right	250-54043 250-54043		250-24455 250-24455
V90								
1998-1997	2.9 L6	96	B6304S2			250-24177		250-24385
XC60								
2014-2010	3.0 L6	90	B6304T4			250-54043	250-241176	250-24455
2015-2011	3.2 L6	94	B6324S4	Eng Desg. B6324S4		250-54043		250-24455
2015-2011	3.2 L6	95	B6324S5	Eng Desg. B6324S5 Eng Desg. B6324S5	Left Right	250-54043 250-54043		250-24455 250-24455
2010	3.2 L6		B6324S2	Eng Desg. B6324S2		250-54043	250-241176	250-24455
2010	3.2 L6		B6324S	Eng Desg. B6324S Eng Desg. B6324S	Left Right	250-54043 250-54043		250-24455 250-24455
XC70								
2007-2005	2.5 L5		B5254T2			250-25006		250-24409
2004-2003	2.5 L5		B5254T2			250-25006		250-24748
2014-2009	3.0 L6	90	B6304T2, B6304T4			250-54043		250-24455
2015-2011	3.2 L6	94	B6324S4	Eng Desg. B6324S4		250-54043	250-241176	250-24455
2014-2011	3.2 L6	95	B6324S5	Eng Desg. B6324S5 Eng Desg. B6324S5	Left Right	250-54043 250-54043		250-24455 250-24455
2010	3.2 L6		B6324S2	Eng Desg. B6324S2		250-54043	250-241176	250-24455
2010	3.2 L6		B6324S	Eng Desg. B6324S Eng Desg. B6324S	Left Right	250-54043 250-54043		250-24455 250-24455
2009-2008	3.2 L6		B6324S		Left Right	250-54043 250-54043		250-24455 250-24455
XC90								
2006-2005	2.5 L5		B5254T2			250-25006		250-24409

Year	Eng.	Eng VIN	Eng DESG	Application Identifier Application Identifier	Bank	Upstream	Center	Downstream
VOLVO (cont'd)								
XC90 (cont'd)								
2004-2003	2.5 L5		B5254T2			250-25006		250-24748
2005-2003	2.9 L6		B6294T		Left	250-25011		250-24409
					Right	250-25006		250-24409
2014-2009	3.2 L6	95	B6324S, B6324S5		Left	250-54043		250-24482
					Right	250-54043		250-24744
2008	3.2 L6		B6324S		Left	250-54043		250-24455
					Right	250-54043		250-24744
2007	3.2 L6		B6324S		Left	250-54043		250-24482
					Right	250-54043		250-24744
2011-2005	4.4 V8		B8444S		Left	250-54077		250-24455
					Right	250-54077		250-24482
YUGO								
Cabrio								
1992-1991	1.3 L4	6				250-23019		
1990	1.3 L4					250-21011		
GV								
1992-1991	1.3 L4	6				250-23019		
1990	1.3 L4					250-21011		



250-21000
Unheated Sensor



250-23000
Heated Sensor



250-21050
Unheated Sensor



250-23050
Heated Sensor



250-22000
Unheated Sensor



250-23880
Heated Sensor



250-22050
Unheated Sensor



250-23881
Heated Sensor

Walker



250-24000
Heated Sensor

Walker



250-24400
Heated Sensor

Walker



250-24050
Heated Sensor

Walker



250-24882
Heated Sensor

Walker



250-24200
Heated Sensor

Walker



250-24883
Heated Sensor

Walker



250-24250
Heated Sensor

Walker



250-21000
M-B (6,8) 1980-85
Unheated Sensor



250-21004
AMC (4,6) 1981-87 / FORD (4,6,8) 1984-86
JEEP (4,6) 1981-86 / MER (4) 1984-86
MERKUR (4) 1985-89 / REN (4) 1983-87
Unheated Sensor



250-21001
AMC (6) 1988 / AM GEN (8) 1995-96
BUICK (4,6,8) 1982-98 / CAD (4,6,8) 1982-93
CHEV (3,4,6,8) 1980-98 / GEO (3,4) 1989-94
GMC (4,6,8) 1982-98 / ISUZU (4,6) 1982-98
JEEP (6) 1984-90 / OLDS (4,6,8) 1982-98
PONT (4,6,8) 1981-99 / REN (4) 1986-87
SUZ (4) 1990-92
Unheated Sensor



250-21005
CHRY (4) 1984-85 / DODGE (4) 1984-89
HYUN (4) 1987-89 / MITSU (4) 1983-93
PLY (4) 1984-87 / SUB (4,6) 1988-94
Unheated Sensor



250-21002
CHRY (4,6,8) 1980-89 / DODGE (4,6,8) 1980-89
PLY (4,6,8) 1980-89
Unheated Sensor



250-21007
DODGE (4) 1987-90 / EAGLE (4) 1989-90
HYUN (4) 1986-93 / MITSU (4) 1985-93
PLY (4) 1987-90
Unheated Sensor



250-21003
AMC (4) 1983 / FORD (4,6,8) 1980-91
LINC (8) 1980-85 / MER (4,6,8) 1980-87
Unheated Sensor



250-21009
ACURA (4,6) 1986-91 / CHEV (3) 1985-86
GEO (4) 1989-90 / HONDA (4) 1984-91
STER (6) 1987-91 / SUZ (4) 1986-95
Unheated Sensor



250-21010
FORD (4) 1990-94 / KIA (4) 1994-95
MAZDA (4) 1990-94 / MER (4) 1991-94
Unheated Sensor



250-21014
MAZDA (4) 1986-93
Unheated Sensor



250-21011
AUDI (4,5) 1978-87 / EAGLE (4) 1988-89
JAG (6) 1976-85 / NISS (4) 1986-91
PEUG (4) 1976-79 / REN (4) 1980-86
SAAB (4) 1980-85 / SUB (4) 1981-89
VOLVO (4,6) 1980-84 / VW (4,5) 1980-87
YUGO (4) 1990
Unheated Sensor



250-21015
ALFA (4,6) 1981-85 / BMW (4,6) 1979-92
JAG (6) 1976-79 / PEUG (4) 1976-85
SAAB (4) 1986-87 / VOLVO (4) 1985
Unheated Sensor



250-21012
FORD (4) 1989 / MAZDA (4) 1983-89
MER (4) 1988-94
Unheated Sensor



250-21016
SUB (3) 1989-94
Unheated Sensor



250-21013
JAG (6) 1976-87 / NISS (4,6) 1980-96
PEUG (4) 1976-79 / SUB (3) 1987
Unheated Sensor



250-21019
FORD (4) 1988-89 / MAZDA (2,4) 1984-88
Unheated Sensor



250-21020
 FORD (4) 1990-92 / MAZDA (2,4) 1990-95
Unheated Sensor



250-21026
 FORD (4) 1994-97 / MAZDA (2) 1989-91
Unheated Sensor



250-21023
 PORSCHE (4,6,8) 1980-83
Unheated Sensor



250-21027
 VW (4) 1984-85
Unheated Sensor



250-21024
 VW (4) 1979-83
Unheated Sensor



250-21028
 CHEV (4) 1999-00 / GMC (4) 1999-00
 ISUZU (4) 1999-00 / OLDS (4) 1999
 PONT (4) 1999 / SAT (4) 1995-02
Unheated Sensor



250-21025
 CAD (8) 1979-80
Unheated Sensor



250-21029
 SAT (4) 1991-94
Unheated Sensor

Walker



250-21030
SAT (4) 1994
Unheated Sensor

Walker



250-21035
MAZDA (4) 1990-93
Unheated Sensor

Walker



250-21031
HONDA (4) 1992-95
Unheated Sensor

Walker



250-21036
PORSCHE (4) 1983-85
Unheated Sensor

Walker



250-21033
HONDA (4) 1984-87
Unheated Sensor

Walker



250-21051
TOY (4,6) 1980-92
Unheated Sensor

Walker



250-21034
MAZDA (4) 1990-92
Unheated Sensor

Walker



250-21053
GEO (4) 1993-95 / LEXUS (6) 1992-93
TOY (4,6) 1992-95
Unheated Sensor



250-21054
LEXUS (6) 1992-94 / TOY (4,6) 1992-95
Unheated Sensor



250-21059
TOY (6) 1980
Unheated Sensor



250-21055
TOY (4) 1992-93
Unheated Sensor



250-21060
CHRY (4) 1987-89 / DODGE (4) 1984-86
MITSU (4) 1983-89 / PLY (4) 1984-86
Unheated Sensor



250-21056
CHEV (4) 1985-88 / DAIHATSU (3,4) 1988-92
TOY (4,6) 1981-92
Unheated Sensor



250-21061
DODGE (4) 1990 / MITSU (4) 1990
Unheated Sensor



250-21058
TOY (4) 1983-86
Unheated Sensor



250-21062
DODGE (4) 1989-91 / PLY (4) 1989-91
Unheated Sensor



250-21065

LEXUS (6) 1993-94
Unheated Sensor



250-22003

GEO (4) 1995-97 / TOY (4) 1992-97
Unheated Sensor



250-21070

SUZ (4) 1989-94
Unheated Sensor



250-22004

MAZDA (4) 1989-93
Unheated Sensor



250-22001

AMC (4) 1980-82 / BUICK (4,6,8) 1979-82
CAD (6,8) 1980-95 / CHEV (4,6,8) 1979-82
DAEWOO (4) 1999-02 / GMC (6,8) 1980-81
JEEP (4) 1980-82 / OLDS (4,6,8) 1980-82
PONT (4,6,8) 1980-82
Unheated Sensor



250-22006

MAZDA (4) 1989-94
Unheated Sensor



250-22002

DODGE (4) 1989-91 / EAGLE (4) 1989-94
HYUN (4) 1989-93 / MITSU (4) 1989-94
PLY (4) 1989-94
Unheated Sensor



250-22007

AMC (6) 1980
Unheated Sensor



250-22008
TOY (4) 1992-97
Unheated Sensor



250-22013
CHEV (6) 1998-00 / PONT (6) 1998-00
Unheated Sensor



250-22009
LEXUS (8) 1990-92
Unheated Sensor



250-22014
JAG (8) 1998
Unheated Sensor



250-22010
TOY (4) 1994-99
Unheated Sensor



250-22051
GEO (4) 1993-95 / TOY (4) 1993-95
Unheated Sensor



250-22011
LEXUS (8) 1993-94
Unheated Sensor



250-22052
GEO (4) 1993-95 / TOY (4) 1991-95
Unheated Sensor



250-22055
GEO (4) 1990-92 / TOY (4) 1990-92
Unheated Sensor



250-22061
GEO (4) 1990-92 / TOY (6) 1988-89
Unheated Sensor



250-22057
TOY (4) 1990-93
Unheated Sensor



250-22062
GEO (4) 1989-90 / TOY (4) 1989
Unheated Sensor



250-22058
TOY (4) 1996-99
Unheated Sensor



250-22064
MITSU (6) 1988-90
Unheated Sensor



250-22060
CHEV (4) 2000-03 / GMC (4) 2000-03
OLDS (4) 2000-01 / PONT (4) 2000-02
SAT (4) 2000-01
Unheated Sensor



250-22065
DODGE (6) 1989 / MITSU (6) 1989
Unheated Sensor



250-22066
 DODGE (4) 1991-94 / EAGLE (4) 1991-94
 MITSU (4) 1991-93 / PLY (4) 1991-94
Unheated Sensor



250-23001
 FORD (4,6,8) 1984-86 / LINC (8) 1985-87
 MER (4,6,8) 1984-86 / MERKUR (6) 1989
Heated Sensor



250-22067
 DODGE (4) 1990-93 / MITSU (4) 1990-95
Unheated Sensor



250-23002
 FORD (4,6,8) 1986-95 / LINC (6,8) 1987-92
 MAZDA (4) 1994 / MER (4,6,8) 1987-91
Heated Sensor



250-22068
 TOY (4) 1989-92
Unheated Sensor



250-23003
 CHRY (4,6) 1987-90 / DODGE (4,6,8) 1987-88
 PLY (4,6) 1987-88
Heated Sensor



250-22069
 LEXUS (6) 1990-91 / TOY (6) 1990-91
Unheated Sensor



250-23004
 CHEV (6) 1985 / GEO (4) 1990-95 / GMC (6) 1985
 HONDA (4) 1994-95 / ISUZU (4) 1990-95
 PONT (6) 1985 / SUZ (4) 1991-95
Heated Sensor



250-23005
BUICK (6) 1993 / CHEV (6,8) 1990-95
GMC (6,8) 1991-95 / OLDS (6) 1992-94
PONT (6) 1993
Heated Sensor



250-23016
BMW (6) 1984-88
Heated Sensor



250-23007
FORD (4,6,8) 1987-92 / MER (4) 1987-91
Heated Sensor



250-23018
VW (4) 1987-92
Heated Sensor



250-23011
BUICK (6) 1993 / CHEV (6,8) 1993-96
GMC (8) 1995 / OLDS (6) 1993 / PONT (6) 1993
Heated Sensor



250-23019
ALFA (6) 1988 / ASTON (6) 1997-98
AUDI (4,5) 1985-97 / JAG (6,12) 1992-94
VOLVO (4,6) 1983-93 / YUGO (4) 1991-92
Heated Sensor



250-23013
VW (4,5) 1990-95
Heated Sensor



250-23023
VW (4) 1990-93
Heated Sensor



250-23024
PORSCHE (6,8) 1983-87
Heated Sensor



250-23029
PORSCHE (4) 1986-95
Heated Sensor



250-23025
PORSCHE (4) 1983-88
Heated Sensor



250-23031
BMW (4) 1985-91
Heated Sensor



250-23027
ALFA (4,6) 1983-89
Heated Sensor



250-23032
AUDI (6) 1992-93 / PEUG (4) 1985
Heated Sensor



250-23028
AUDI (6) 1993-98 / FERRARI (8) 1986-89
SAAB (4) 1987-89 / VOLVO (4,6) 1985-88
Heated Sensor



250-23033
VOLVO (4,6) 1987-94
Heated Sensor



250-23034

BMW (6) 1987-88
Heated Sensor



250-23051

TOY (6) 1987-90
Heated Sensor



250-23042

MAZDA (6) 1994-95
Heated Sensor



250-23052

TOY (6) 1991-92
Heated Sensor



250-23047

PEUG (4,6) 1986-91
Heated Sensor



250-23060

PORSCHE (4,6,8) 1986-95
Heated Sensor



250-23048

ALFA (4,6) 1987-94 / AUDI (4,5,8) 1984-94
JAG (6,12) 1980-93 / SAAB (4) 1986-94
VW (4,5) 1984-92
Heated Sensor



250-23062

MERKUR (6) 1988-89
Heated Sensor



250-23063
M-B (6) 1990-93
Heated Sensor



250-23070
VOLVO (4) 1994-95
Heated Sensor



250-23066
M-B (4) 1991-93
Heated Sensor



250-23073
M-B (6,8) 1980-93
Heated Sensor



250-23067
M-B (4,6) 1984-93
Heated Sensor



250-23074
M-B (6,8) 1990-93
Heated Sensor



250-23069
VOLVO (4) 1993
Heated Sensor



250-23075
MER (6) 1994-99 / NISS (4,6) 1984-00
Heated Sensor



250-23078
SAAB (6) 1994-95
Heated Sensor



250-23084
FORD (6) 1996-97 / KIA (4) 1995
MAZDA (6) 1996-97
Heated Sensor



250-23079
SAAB (4) 1994-95
Heated Sensor



250-23085
KIA (4) 1995-97 / MAZDA (4) 1994-99
Heated Sensor



250-23080
VOLVO (4) 1994-95
Heated Sensor



250-23086
MAZDA (6) 1988-91
Heated Sensor



250-23083
SUB (4,6) 1990-97
Heated Sensor



250-23087
INFIN (6,8) 1991-01 / NISS (6) 1986-96
Heated Sensor



250-23088
SUB (4) 1995-98
Heated Sensor



250-23094
MAZDA (6) 1995-02
Heated Sensor



250-23089
INFIN (4,6,8) 1990-00 / MER (6) 1999-02
NISS (4,6) 1984-03
Heated Sensor



250-23095
MAZDA (6) 1995-96
Heated Sensor



250-23091
SUB (4) 1996-99
Heated Sensor



250-23096
FORD (6) 1996-97 / MAZDA (4,6) 1996-97
Heated Sensor



250-23093
NISS (6) 1994-95
Heated Sensor



250-23097
MAZDA (6) 1995-02
Heated Sensor



250-23100

SAAB (4) 1992-93
Heated Sensor



250-23109

INFIN (6) 1997-00 / NISS (6) 1996-03
Heated Sensor



250-23102

AUDI (5,8) 1990-95 / HYUN (4) 1993
Heated Sensor



250-23113

AUDI (6) 1996-97
Heated Sensor



250-23103

SUB (4) 1991-94
Heated Sensor



250-23121

INFIN (4,6) 2000-01 / NISS (4,6) 2000-01
Heated Sensor



250-23104

INFIN (6) 1996-99 / NISS (6) 1995-99
Heated Sensor



250-23122

INFIN (6) 2001-03 / NISS (6) 2001-02
Heated Sensor



250-23123
HYUN (4) 1994-95
Heated Sensor



250-23129
HYUN (4) 1995
Heated Sensor



250-23124
VW (4) 1986-91
Heated Sensor



250-23130
SAAB (4) 1993
Heated Sensor



250-23126
KIA (4) 1995
Heated Sensor



250-23131
INFIN (6) 2001-04 / NISS (6) 2001-04
Heated Sensor



250-23128
SUZ (4) 1992-93
Heated Sensor



250-23132
HYUN (4) 1994-95
Heated Sensor



250-23133
INFIN (6) 2000-01 / NISS (6) 2000-01
Heated Sensor



250-23159
INFIN (4) 2001-02 / NISS (4) 2001-04
Heated Sensor



250-23135
INFIN (6) 2001 / NISS (6) 2001
Heated Sensor



250-23163
M-B (8) 1982-91
Heated Sensor



250-23156
NISS (6) 2004
Heated Sensor



250-23500
JEEP (4) 1986-90
Heated Sensor



250-23157
NISS (6) 2004
Heated Sensor



250-23501
DODGE (6) 1990 / EAGLE (4,6) 1988-90
JEEP (6) 1987-90 / REN (4) 1987
Heated Sensor



250-23502
NISS (4,6) 1986-96
Heated Sensor



250-23507
INFIN (4) 1994-96
Heated Sensor



250-23503
NISS (6) 1990-93
Heated Sensor



250-23508
SUB (4) 1988-90
Heated Sensor



250-23504
NISS (6) 1987-89
Heated Sensor



250-23509
MER (6) 1993 / NISS (6) 1990-94
Heated Sensor



250-23505
INFIN (6) 1996 / NISS (4,6) 1993-97
Heated Sensor



250-23510
INFIN (6) 1990-92
Heated Sensor



250-23521

NISS (6) 1996
Heated Sensor



250-23812

VOLVO (4) 1994-95
Heated Sensor



250-23523

NISS (4) 1987-96
Heated Sensor



250-23822

VW (4) 1992
Heated Sensor



250-23802

ROVER (8) 1987-95
Heated Sensor



250-23827

VW (4) 1988-92
Heated Sensor



250-23811

VOLVO (4) 1989-92
Heated Sensor



250-24001

ASTON (12) 2000-07 / FORD (4,6,8,10) 1989-16
JAG (6,8) 2000-02 / LINC (6,8) 1991-14
MAZDA (4,6) 1994-10 / MER (4,6,8) 1991-11
Heated Sensor



250-24002
 CHRY (4,6) 1995-97 / DODGE (4,6,8,10) 1990-97
 EAGLE (6) 1996-97 / JEEP (6,8) 1991-95
 PLY (4) 1996-98
Heated Sensor



250-24007
 DODGE (4) 1989 / EAGLE (4) 1989-94
 MITSU (4) 1989-94 / PLY (4) 1989-94
Heated Sensor



250-24003
 CHRY (4,6) 1995-97 / DODGE (4,6) 1995-97
 EAGLE (4,6) 1995-97 / JEEP (6) 1993-95
 MITSU (4) 1995-96
Heated Sensor



250-24009
 HYUN (6) 1990-93
Heated Sensor



250-24004
 CHRY (4,6) 1989-96 / DODGE (4,6,8,10) 1988-96
 EAGLE (6) 1993-95 / JEEP (4) 1991-95
 PLY (4,6) 1989-96
Heated Sensor



250-24011
 ACURA (4,5) 1992-01 / HONDA (4) 1990-01
 ISUZU (4) 1996-99
Heated Sensor



250-24006
 CAD (8) 1993-95 / OLDS (8) 1995
Heated Sensor



250-24012
 ACURA (6) 1996-99 / BUICK (6,8) 1993-96
 CAD (8) 1994-02 / CHEV (6,8) 1994-03
 DAEWOO (4) 1999-02 / GMC (6,8) 1994-02
 HONDA (6) 1996-00 / ISUZU (4,6) 1995-03
 OLDS (6) 1993-01 / PONT (6,8) 1994-97
Heated Sensor



250-24013
DODGE (4,6,8) 1988-96 / EAGLE (6) 1991-92
PLY (4) 1995-96
Heated Sensor



250-24017
MITSU (4) 1994-06
Heated Sensor



250-24014
DODGE (6) 1988-89
Heated Sensor



250-24018
BUICK (6) 1997-03 / CAD (8) 1996-02
CHEV (6,8) 1996-03 / GMC (6,8) 1996-02
OLDS (6,8) 1996-00 / PONT (6) 1997-03
Heated Sensor



250-24015
FORD (6) 1995-99 / MER (6) 1995-99
Heated Sensor



250-24019
CHEV (6,8) 1996-02 / GMC (6,8) 1996-02
Heated Sensor



250-24016
FORD (4) 1995-99 / MER (4) 1995-99
Heated Sensor



250-24020
DODGE (4) 1993-94 / EAGLE (4) 1993-96
MITSU (4) 1993-98 / PLY (4) 1993-94
Heated Sensor



250-24021
BMW (6) 1993-95
Heated Sensor



250-24026
DODGE (6) 1994 / EAGLE (4) 1995-98
MITSU (4,6) 1994-12
Heated Sensor



250-24023
BMW (6) 1986-87
Heated Sensor



250-24030
PEUG (4) 1989-91
Heated Sensor



250-24024
BMW (6,12) 1987-95
Heated Sensor



250-24034
M-B (6) 1993-95
Heated Sensor



250-24025
BMW (4) 1991
Heated Sensor



250-24035
BMW (12) 1988-94
Heated Sensor



250-24038
M-B (6,8,12) 1990-96
Heated Sensor



250-24049
CHEV (4) 2001-02 / SUZ (4,6) 1996-00
Heated Sensor



250-24044
M-B (4,6) 1995-96
Heated Sensor



250-24051
LEXUS (6) 1990-91 / TOY (4,6) 1988-92
Heated Sensor



250-24046
BENTLEY (8) 1993-94 / ROLLS-ROYCE (8) 1993-95
Heated Sensor



250-24052
TOY (4,6) 1991-95
Heated Sensor



250-24048
SAAB (6) 1996-97 / VOLVO (5) 1993-98
Heated Sensor



250-24053
TOY (4) 1988
Heated Sensor



250-24055
TOY (4) 1988-91
Heated Sensor



250-24066
VW (4,6) 1992-95
Heated Sensor



250-24056
TOY (4,6) 1988-91
Heated Sensor



250-24067
CHEV (4) 2006-08 / FORD (6) 1993-95
MAZDA (4,6) 1992-00
Heated Sensor



250-24059
GEO (4) 1990-92 / TOY (4) 1989-91
Heated Sensor



250-24068
FORD (4,6) 1993-95 / MAZDA (4,6) 1992-06
Heated Sensor



250-24060
SUZ (4) 1996-00
Heated Sensor



250-24070
FORD (4,6,10) 1995-15 / MAZDA (4,6) 1995-04
MER (4) 1996-99
Heated Sensor

Walker



250-24072
FORD (4) 1996-97 / MAZDA (6) 1991-00
Heated Sensor

Walker



250-24081
CHRY (6) 1996-00 / DODGE (4,6) 1996-00
PLY (4,6) 1996-00
Heated Sensor

Walker



250-24074
CHRY (4,6) 1996-00 / DODGE (4,6) 1997-98
Heated Sensor

Walker



250-24082
CHRY (6) 1996-00 / DODGE (6) 1996-00
PLY (4,6) 1996-00
Heated Sensor

Walker



250-24075
CHRY (6) 1996-00 / DODGE (6) 1996-00
Heated Sensor

Walker



250-24083
CHRY (4) 1995-99 / DODGE (4) 1995-99
EAGLE (4) 1995-98 / MITSU (4) 1995-99
Heated Sensor

Walker



250-24076
CHRY (4,6) 1997-00 / DODGE (4,6) 1997-00
EAGLE (4) 1997-98 / JEEP (6) 1996-98
MITSU (4) 1997-99
Heated Sensor

Walker



250-24086
MAZDA (4,6) 1990-13
Heated Sensor



250-24087
CAD (8) 1996-99 / CHEV (8) 1998-02
PONT (8) 1998-02
Heated Sensor



250-24097
ACURA (5,6) 1995-04
Heated Sensor



250-24091
HYUN (4) 1992-93 / MITSU (4) 1991-92
Heated Sensor



250-24099
ACURA (4,6) 1992-99 / HONDA (4,6) 1992-00
Heated Sensor



250-24093
ACURA (6) 1991-04
Heated Sensor



250-24101
INFIN (6) 1997-00 / NISS (6) 1996-00
Heated Sensor



250-24095
ACURA (6) 1996-98
Heated Sensor



250-24102
INFIN (6) 1997-00 / NISS (6) 1996-03
Heated Sensor



250-24103
INFIN (8) 1997-01 / NISS (4) 1996-99
Heated Sensor



250-24107
CHEV (4) 1998-02 / GEO (4) 1995-97
TOY (4,6) 1995-06
Heated Sensor



250-24104
FERRARI (12) 1995
Heated Sensor



250-24109
VOLVO (5) 1993-94
Heated Sensor



250-24105
ACURA (4) 1996-01 / HONDA (4) 1997-01
Heated Sensor



250-24113
CHRY (4,6) 2001-04 / DODGE (6) 2002-04
Heated Sensor



250-24106
LEXUS (6) 1998-05 / TOY (4,6) 1997-01
Heated Sensor



250-24121
ACURA (6) 1995-99 / HONDA (4) 1996-05
ISUZU (4) 1996-99
Heated Sensor



250-24123
MAZDA (4) 1994-00
Heated Sensor



250-24128
KIA (4) 1996-97 / MAZDA (4,6) 1995-05
Heated Sensor



250-24125
BMW (4,8,12) 1995-03
Heated Sensor



250-24129
MAZDA (4) 1996-00
Heated Sensor



250-24126
MITSU (6) 1990-91
Heated Sensor



250-24130
MAZDA (6) 1996-06
Heated Sensor



250-24127
FORD (4,6,8) 1990-10 / LINC (6) 2010-11
MAZDA (4,6) 1991-11 / MER (4,6) 1998-10
Heated Sensor



250-24131
MAZDA (2,6) 1996-11
Heated Sensor



250-24132

ALFA (6) 1993-95
Heated Sensor



250-24137

LEXUS (6) 1998-05 / TOY (4) 2001-04
Heated Sensor



250-24133

PORSCHE (6) 1995-98 / VOLVO (5) 1998
Heated Sensor



250-24138

INFIN (8) 1996 / NISS (6) 1996
Heated Sensor



250-24134

SAAB (4,6) 1996-98
Heated Sensor



250-24139

FORD (6) 1997 / MAZDA (4,6) 1995-02
Heated Sensor



250-24135

PORSCHE (6) 1995-01 / SAAB (4,6) 1996-00
VOLVO (5) 1994-98
Heated Sensor



250-24140

M-B (6) 1996
Heated Sensor



250-24141
M-B (6) 1996
Heated Sensor



250-24146
AUDI (4) 1997 / VW (4,6) 1996-99
Heated Sensor



250-24143
BMW (6) 2001-06 / M-B (6,8) 1996-02
Heated Sensor



250-24147
AUDI (4,6,8) 1997-00 / VW (4,6) 1995-00
Heated Sensor



250-24144
FERRARI (8,12) 1995-97
Heated Sensor



250-24150
CHEV (4) 1988 / TOY (4,6) 1988-92
Heated Sensor



250-24145
ALFA (6) 1994
Heated Sensor



250-24151
TOY (4,6) 1992-97
Heated Sensor



250-24152

TOY (4,6) 1988-89
Heated Sensor



250-24156

TOY (4) 1990-95
Heated Sensor



250-24153

LEXUS (6) 1996-97 / TOY (4,6) 1993-00
Heated Sensor



250-24157

LEXUS (6) 1996-97 / TOY (6) 1995-97
Heated Sensor



250-24154

LEXUS (8) 1998-05 / TOY (4,6,8) 1993-05
Heated Sensor



250-24158

TOY (4) 1990-91
Heated Sensor



250-24155

LEXUS (6) 1992-97 / TOY (4,6) 1994-00
Heated Sensor



250-24159

TOY (4,6) 2000-04
Heated Sensor



250-24160
MAZDA (6) 1997-00
Heated Sensor



250-24172
LEXUS (8) 1992-95
Heated Sensor



250-24163
PORSCHE (6) 1994 / SAAB (4) 1996-99
Heated Sensor



250-24174
AUDI (6) 1996-99 / VW (6) 1998-99
Heated Sensor



250-24169
LEXUS (8) 1995-16 / TOY (6,8) 1998-15
Heated Sensor



250-24177
SAAB (6) 1996-00 / VOLVO (6) 1995-98
Heated Sensor



250-24170
VW (6) 2002-05
Heated Sensor



250-24178
VOLVO (5) 1994
Heated Sensor



250-24180
M-B (4) 1994-96
Heated Sensor



250-24189
CHEV (4) 1998-00 / GEO (4) 1996-97
Heated Sensor



250-24183
CHEV (4) 2006-07 / SUZ (4) 2006-08
Heated Sensor



250-24192
VOLVO (5) 1993-94
Heated Sensor



250-24187
LEXUS (6) 2006-13
Heated Sensor



250-24194
VW (6) 1995
Heated Sensor



250-24188
LEXUS (8) 2006-10 / PONT (4) 2009-10
TOY (4) 2009-13
Heated Sensor



250-24198
M-B (4) 1997-00
Heated Sensor



250-24202
CHEV (8) 1999-01 / GMC (8) 1999-01
Heated Sensor



250-24224
EAGLE (4) 1993-98 / MITSU (4,6) 1993-07
PLY (4) 1993-94
Heated Sensor



250-24203
TOY (6) 2006-12
Heated Sensor



250-24225
LEXUS (4,6) 1998-17 / TOY (6) 2002-14
Heated Sensor



250-24213
LEXUS (6,8) 2006-15
Heated Sensor



250-24226
LEXUS (6) 2001-05
Heated Sensor



250-24220
LEXUS (8) 1990-95
Heated Sensor



250-24228
DODGE (4) 1993 / EAGLE (4) 1993-96
MITSU (4) 1993-96 / PLY (4) 1993-94
Heated Sensor



250-24229
DODGE (4) 1993-94 / EAGLE (4) 1993-96
MITSU (4,6) 1988-99 / PLY (4) 1993-94
Heated Sensor



250-24233
CHRY (6) 2001-05 / DODGE (6) 2001-05
MITSU (4,6) 1998-12
Heated Sensor



250-24230
MITSU (4,6) 1992-99
Heated Sensor



250-24234
MITSU (6) 1997-00
Heated Sensor



250-24231
DODGE (6) 1991-95 / EAGLE (4) 1993-98
MITSU (4,6) 1991-99 / PLY (4) 1993
Heated Sensor



250-24235
DODGE (6) 1994-96 / EAGLE (4) 1995-96
MITSU (4,6) 1994-06
Heated Sensor



250-24232
DODGE (4) 1993-94 / EAGLE (4) 1993-96
MITSU (4,6) 1993-03 / PLY (4) 1993-94
Heated Sensor



250-24236
DODGE (6) 1991-96 / MITSU (4,6) 1991-12
Heated Sensor



250-24237
DODGE (6) 1990-93 / MITSU (4,6) 1990-99
Heated Sensor



250-24241
CHRY (6) 2001-05 / DODGE (6) 1995-05
MITSU (6) 1994-12
Heated Sensor



250-24238
DODGE (4) 1993 / MITSU (4) 1993-96
Heated Sensor



250-24242
MITSU (4,6) 1998-12
Heated Sensor



250-24239
MITSU (6) 1995-11
Heated Sensor



250-24243
CHRY (4) 2001-05 / DODGE (4) 2001-05
MITSU (4) 1999-05
Heated Sensor



250-24240
MITSU (6) 2004-12
Heated Sensor



250-24244
LEXUS (6) 2007-16
Heated Sensor



250-24245
FORD (4) 1995-96 / KIA (4) 1995-97
MAZDA (4,6) 1992-00 / MER (4) 1995-96
Heated Sensor



250-24252
DODGE (8) 2003-05
Heated Sensor



250-24248
BUICK (6) 2008-09 / CAD (8) 2002
CHEV (8) 2000-02 / GMC (8) 2000-02
PONT (6) 2008
Heated Sensor



250-24253
CHRY (4,6,8) 2003-18 / DODGE (4,6,8,10) 2001-18
JEEP (4,6,8) 2004-18 / M-B (6,8) 2011-15
MITSU (6) 2006-09 / RAM (6,8) 2011-18
VW (6) 2009-12
Heated Sensor



250-24249
DODGE (8) 2001-02 / JEEP (8) 2001-04
Heated Sensor



250-24259
DODGE (6,8,10) 2001-06 / JEEP (6) 2001-04
Heated Sensor



250-24251
CHRY (6,8) 2005-07 / DODGE (8) 2005-07
MITSU (8) 2006-07
Heated Sensor



250-24261
TOY (6) 2009-14
Heated Sensor



250-24263
 AUDI (4) 2001-02 / VW (6) 2004
Heated Sensor



250-24273
 BUICK (6) 2004-09 / CHEV (4,6) 1998-07
 GMC (6) 1998-99 / OLDS (4) 2002-04
 PONT (4,6,8) 2002-08 / SAT (4) 2002-07
Heated Sensor



250-24265
 CHRY (4) 2001-04 / DODGE (4) 2001-04
Heated Sensor



250-24274
 CHEV (8) 2001-02 / GMC (8) 2001-02
Heated Sensor



250-24267
 CAD (8) 2000-07 / CHEV (6,8) 2003-07
 GMC (8) 2003-07 / PONT (6,8) 2004-07
 SAT (6) 2007
Heated Sensor



250-24275
 CHEV (4) 1996-01 / PONT (4) 1999-01
Heated Sensor



250-24269
 BUICK (6,8) 2001-05 / CAD (8) 2000-04
 CHEV (6,8) 2000-05 / GMC (6,8) 2000-04
 HONDA (6) 2002 / ISUZU (6,8) 2002-04
 OLDS (6,8) 2000-04 / PONT (6) 2001-05
Heated Sensor



250-24276
 DODGE (8) 2001-02 / JEEP (8) 2001-04
Heated Sensor



250-24277
LEXUS (6) 1999-03 / TOY (6) 1993-03
Heated Sensor



250-24281
TOY (6) 1988-92
Heated Sensor



250-24278
TOY (6) 2000
Heated Sensor



250-24282
TOY (4) 2000-03
Heated Sensor



250-24279
TOY (6) 1989-92
Heated Sensor



250-24284
INFIN (6) 1999-01 / NISS (4,6) 1998-01
Heated Sensor



250-24280
HYUN (4,6) 1992-98 / MITSU (4) 1993-94
Heated Sensor



250-24285
INFIN (6) 2001-04 / NISS (4,6) 2001-03
Heated Sensor



250-24286
INFIN (6) 1999-01 / NISS (6) 1998-01
Heated Sensor



250-24291
SUZ (4,6) 2002-08
Heated Sensor



250-24288
TOY (6) 1993-98
Heated Sensor



250-24292
KIA (4) 1996-97 / MAZDA (4) 1995-98
Heated Sensor



250-24289
HYUN (4,6) 1992-01 / MITSU (4) 1993-94
Heated Sensor



250-24293
FORD (4) 1996 / MER (4) 1996
Heated Sensor



250-24290
MAZDA (4) 2000-02 / SUB (4) 1999-01
Heated Sensor



250-24294
CHRY (6) 2001-03 / DODGE (6) 2001-03
Heated Sensor



250-24295

SUB (4) 1999-04
Heated Sensor



250-24305

LEXUS (6) 1994-05 / TOY (4,6,8) 1993-14
Heated Sensor



250-24298

LEXUS (6,8) 1992-11 / PONT (4) 2003-06
SCION (4) 2004-14 / TOY (4,6) 1992-14
Heated Sensor



250-24307

VW (4) 1995
Heated Sensor



250-24301

FORD (4,6,8,10) 2003-17 / LINC (6) 2006-10
MAZDA (4,6) 2005-10 / MER (4,6) 2005-09
Heated Sensor



250-24308

HONDA (4,6) 2000-03
Heated Sensor



250-24302

FORD (4,6,8,10) 1999-11 / LINC (8) 1998-11
MAZDA (4,6) 2001-04 / MER (4,6,8) 1999-11
Heated Sensor



250-24310

BMW (6) 1986-88
Heated Sensor



250-24314
CHRY (4) 2001-03 / DODGE (4) 2001-03
Heated Sensor



250-24333
SUZ (4) 2007-13
Heated Sensor



250-24321
CHEV (4,8) 2004-05 / OLDS (4) 2002-04
PONT (4) 2002-05
Heated Sensor



250-24334
CHEV (4) 2002-05 / PONT (4,6) 2002-05
Heated Sensor



250-24324
CAD (6) 2007-11 / CHEV (6) 2008-09
PONT (6) 2008-09 / SUZ (6) 2007-09
Heated Sensor



250-24335
CHEV (3,4) 1998-01 / GEO (3,4) 1996-97
SUZ (4) 1996-01
Heated Sensor



250-24332
CAD (6) 1999-01
Heated Sensor



250-24336
CHEV (4) 2001-03 / SUZ (4,6) 2001-06
Heated Sensor



250-24338
CHEV (3,4) 1998-01 / GEO (3,4) 1994-97
SUZ (4) 1993-01
Heated Sensor



250-24342
CAD (6) 1997-98
Heated Sensor



250-24339
BUICK (6,8) 2004-06 / CHEV (4,5,6,8) 2002-08
GMC (4,5,6,8) 2002-07 / ISUZU (6,8) 2003-06
OLDS (6) 2002-04 / PONT (4) 2006-07
SAAB (8) 2005-06 / SAT (4) 2007
Heated Sensor



250-24343
ACURA (4,6) 1999-05 / HONDA (4,6) 1998-05
Heated Sensor



250-24340
BUICK (6) 1996-04 / CHEV (4,6,8) 1996-04
GMC (4) 1996-03 / ISUZU (4) 1997-00
OLDS (6,8) 1996-04 / PONT (6,8) 1996-04
Heated Sensor



250-24344
LEXUS (8) 2014-16 / TOY (4,6,8) 2012-15
Heated Sensor



250-24341
KIA (4) 1996-02
Heated Sensor



250-24345
CHRY (4) 2003 / DODGE (4,6,8,10) 2001-06
JEEP (4,6) 2001-04
Heated Sensor



250-24346
ACURA (6) 2001-08 / HONDA (6) 2002-10
SAT (6) 2004-07
Heated Sensor



250-24350
SAT (4) 2000-01
Heated Sensor



250-24347
ACURA (6) 1997-99
Heated Sensor



250-24351
HYUN (4) 1996-97
Heated Sensor



250-24348
ACURA (6) 1997-99
Heated Sensor



250-24353
SAAB (4) 2004-11 / SAT (6) 2000-05
VOLVO (6) 2001
Heated Sensor



250-24349
HYUN (4) 2000-12 / KIA (4) 2004-11
Heated Sensor



250-24354
CHEV (4) 2005-11 / PONT (4) 2007-09
SAT (4) 2000-07
Heated Sensor



250-24355
CAD (8) 2006-08 / CHEV (6,8) 2002-07
GMC (6,8) 2002-07 / HUM (8) 2007
ISUZU (6) 2003 / OLDS (6) 2002-03
SAT (4) 2002-03
Heated Sensor



250-24360
LEXUS (4,6,8) 1993-16 / PONT (4) 2009-10
SCION (4) 2011-15 / TOY (4,6,8) 1994-15
Heated Sensor



250-24356
HYUN (4) 1998-01
Heated Sensor



250-24361
TOY (4) 1993-00
Heated Sensor



250-24357
HYUN (4) 1997-01
Heated Sensor



250-24362
MAZDA (6) 1997-00
Heated Sensor



250-24358
HYUN (4) 1997-99
Heated Sensor



250-24363
MAZDA (4) 1999-01
Heated Sensor



250-24364
MAZDA (4) 2000-02
Heated Sensor



250-24368
HYUN (4) 1999-05 / KIA (4) 2001-06
Heated Sensor



250-24365
MAZDA (6) 2000-02
Heated Sensor



250-24369
MAZDA (4,6) 1998-00
Heated Sensor



250-24366
MAZDA (4,6) 1999-05
Heated Sensor



250-24371
MER (6) 1999-02 / NISS (6) 1999-02
Heated Sensor



250-24367
MAZDA (4,6) 1999-03
Heated Sensor



250-24372
CHEV (6) 2001-04 / SUZ (4,6) 1999-07
Heated Sensor



250-24373
SUB (4) 1999-06
Heated Sensor



250-24378
MAZDA (6) 2000-01
Heated Sensor



250-24374
CAD (6) 1997-98
Heated Sensor



250-24379
HYUN (4) 1996-97
Heated Sensor



250-24376
MAZDA (4,6) 2000-08
Heated Sensor



250-24380
BMW (8) 1994-95
Heated Sensor



250-24377
MAZDA (6) 2000-02
Heated Sensor



250-24381
BMW (8) 1994-95
Heated Sensor



250-24382
BMW (6) 1988-93
Heated Sensor



250-24386
M-B (6) 1995-96
Heated Sensor



250-24383
HYUN (4,6) 1997-03 / KIA (6) 2002-05
Heated Sensor



250-24387
M-B (4,6,8) 1996-02
Heated Sensor



250-24384
CHEV (6) 2004-06 / KIA (4) 2001-05
MAZDA (6) 2000-08 / SUZ (4,6) 2004-05
Heated Sensor



250-24388
KIA (4) 1998-02
Heated Sensor



250-24385
VOLVO (6) 1996-98
Heated Sensor



250-24389
GEO (4) 1992-93 / HONDA (6) 1994-95
ISUZU (6) 1992-95
Heated Sensor



250-24390
BMW (4,8,12) 1996-03
Heated Sensor



250-24394
AUDI (8) 2003-04
Heated Sensor



250-24391
ACURA (5,6) 1995-08 / HONDA (4,6) 2003-10
SAT (6) 2004-07
Heated Sensor



250-24395
AUDI (6,8) 2000-04 / VW (6) 2000-05
Heated Sensor



250-24392
BMW (6) 1999-06 / ROVER (8) 2003-05
Heated Sensor



250-24397
INFINITI (6) 1997-99 / NISSAN (6) 1997-99
Heated Sensor



250-24393
AUDI (8) 2000-03
Heated Sensor



250-24398
ACURA (4) 1999-00 / HONDA (3,4) 1999-11
Heated Sensor



250-24399
SUZ (4) 1996-98
Heated Sensor



250-24405
AUDI (6) 1994-97
Heated Sensor



250-24401
NISS (4) 1998-04
Heated Sensor



250-24406
DAEWOO (4) 1999-02
Heated Sensor



250-24403
INFIN (6,8) 2002-10 / NISS (4,6) 2002-15
SUZ (6) 2009-12
Heated Sensor



250-24407
SUZ (6) 1999-00
Heated Sensor



250-24404
JAG (12) 1995-96 / TOY (4) 2000-05
Heated Sensor



250-24408
VOLVO (5) 1999-10
Heated Sensor



250-24409
SAAB (4,6) 2000-09 / SAT (6) 2000-05
VOLVO (5,6) 1999-13
Heated Sensor



250-24413
M-B (6,8) 1998-00
Heated Sensor



250-24410
SAAB (6) 2000-03 / VOLVO (6) 1999-01
Heated Sensor



250-24414
AUDI (6,8) 2000-04 / VW (6) 2000-05
Heated Sensor



250-24411
M-B (6,8) 1998-00
Heated Sensor



250-24415
VOLVO (4) 2000-04
Heated Sensor



250-24412
M-B (4) 1998-99
Heated Sensor



250-24416
AUDI (6,8) 1996-99
Heated Sensor



250-24417
AUDI (4,6) 1994-00 / VW (4,6) 1997-00
Heated Sensor



250-24422
HYUN (4,6) 1999-05 / KIA (6) 2004-06
Heated Sensor



250-24418
INFIN (6) 2002-04 / NISS (6) 2002-03
Heated Sensor



250-24423
PORSCHE (6) 1997-03
Heated Sensor



250-24419
M-B (6,8) 1998-00
Heated Sensor



250-24424
MAZDA (6) 1996-05
Heated Sensor



250-24420
LEXUS (4,6,8) 2004-16 / SCION (4) 2005-15
TOY (4,6) 2002-15
Heated Sensor



250-24425
NISS (4) 1998-00
Heated Sensor



250-24428
VOLVO (4) 2000-04
Heated Sensor



250-24433
MER (6) 1999 / NISS (6) 1998-00
Heated Sensor



250-24429
ACURA (4) 2001-04 / HONDA (4) 2001-05
Heated Sensor



250-24434
INFIN (4) 2000-01 / NISS (4) 2000-02
Heated Sensor



250-24431
VW (4,6) 1998-06
Heated Sensor



250-24435
INFIN (6) 2001 / NISS (6) 2001
Heated Sensor



250-24432
AUDI (4,6) 2000-06 / PORSCHE (6,8) 2003-06
VW (4,6,12) 2000-06
Heated Sensor



250-24436
NISS (4) 2000-01
Heated Sensor



250-24437
INFIN (4) 2001-02 / NISS (6) 2001-04
Heated Sensor



250-24441
ACURA (6) 2000-05
Heated Sensor



250-24438
HYUN (4) 2001-09 / KIA (4) 2005-10
Heated Sensor



250-24442
SUZ (4) 1999-02
Heated Sensor



250-24439
JAG (6,8) 1997-08
Heated Sensor



250-24443
SAT (4) 2003-04
Heated Sensor



250-24440
SAAB (4) 2005-06 / SCION (4) 2013-15
SUB (4,6) 2001-15
Heated Sensor



250-24444
BMW (6) 2001-08
Heated Sensor



250-24445

BMW (6) 2001-06
Heated Sensor



250-24449

INFIN (6) 2001-03 / NISS (6) 2001-02
Heated Sensor



250-24446

ACURA (4) 2005-06 / HONDA (4) 2001-05
Heated Sensor



250-24450

INFIN (8) 2002-06 / NISS (6) 2003-04
Heated Sensor



250-24447

KIA (4) 2002-04
Heated Sensor



250-24451

NISS (6) 2003-04
Heated Sensor



250-24448

INFIN (6,8) 2002-10 / NISS (4,6) 2003-09
Heated Sensor



250-24452

INFIN (8) 2002-06 / NISS (4,6) 2002-04
Heated Sensor



250-24453
INFIN (8) 2004-10 / NISS (4,8) 2003-15
Heated Sensor



250-24457
NISS (6) 2002-04
Heated Sensor



250-24454
NISS (4) 2002
Heated Sensor



250-24458
NISS (6) 2003
Heated Sensor



250-24455
ROVER (6,8) 2005-13 / VOLVO (5,6,8) 2004-15
Heated Sensor



250-24459
NISS (6) 2003
Heated Sensor



250-24456
NISS (4) 2001-02
Heated Sensor



250-24460
CHRY (4,6,8) 2004-10 / DODGE (4,6,8,10) 2001-14
JEEP (6,8) 2004-11 / M-B (6,8) 2012-15
MITSU (6) 2006-09 / RAM (8) 2011-18
SRT (10) 2013-14 / VW (6) 2009-10
Heated Sensor



250-24461
HYUN (6) 2002-09 / KIA (6) 2003-10
Heated Sensor



250-24465
BMW (6,8) 2006-17 / M-B (6,8) 2001-09
Heated Sensor



250-24462
HYUN (6) 2002-09 / KIA (6) 2002-10
Heated Sensor



250-24466
BMW (6,8) 2008-12 / M-B (6,8) 2001-10
Heated Sensor



250-24463
M-B (6,8) 2001-03
Heated Sensor



250-24468
M-B (4,6,8) 2000-11
Heated Sensor



250-24464
BMW (6,8,12) 2006-14 / M-B (6,8) 2001-03
Heated Sensor



250-24469
CHRY (6) 2004-08 / M-B (4,6,8,12) 1999-14
Heated Sensor



250-24470
BUICK (6,8) 2005-11 / CAD (8) 2003-15
CHEV (4,6,8) 2003-15 / GMC (6,8) 2003-14
ISUZU (8) 2005 / PONT (4,6,8) 2004-10
SAAB (8) 2005 / SAT (4,6) 2005-10
Heated Sensor



250-24475
MAZDA (4,6) 2001-05
Heated Sensor



250-24472
DODGE (4) 1993-94 / EAGLE (4) 1993-96
MITSU (4) 1993-96 / PLY (4) 1993-94
Heated Sensor



250-24476
ACURA (4) 2004-08 / HONDA (4) 2003-07
Heated Sensor



250-24473
HONDA (4) 2001-05
Heated Sensor



250-24477
HONDA (3,4) 2001-06
Heated Sensor



250-24474
MAZDA (6) 2003-08
Heated Sensor



250-24478
BMW (6) 2001-08
Heated Sensor



250-24479

NISS (6) 2000
Heated Sensor



250-24485

JAG (8) 1997-99
Heated Sensor



250-24482

JAG (8) 2010-15 / VOLVO (5,6,8) 2002-14
Heated Sensor



250-24486

PONT (4) 2003-08 / TOY (4) 2003-08
Heated Sensor



250-24483

LEXUS (8) 2001-06
Heated Sensor



250-24487

SUB (4,6) 2005-15
Heated Sensor



250-24484

MITSU (4) 2003-06
Heated Sensor



250-24488

CHEV (8) 2002-07 / GMC (8) 2002-07
PONT (6) 2007 / SAT (6) 2007
Heated Sensor



250-24489
 SCION (4) 2004-06 / TOY (4) 2003-05
Heated Sensor



250-24493
 AUDI (12) 2003-09 / BENTLEY (12) 2003
 VW (8) 2004-07
Heated Sensor



250-24490
 CHEV (4) 2004-07 / HONDA (6) 2001
 ISUZU (6) 2000-03 / PONT (8) 2004-06
Heated Sensor



250-24494
 AUDI (6) 2004-06 / VW (4,6,8,12) 1999-06
Heated Sensor



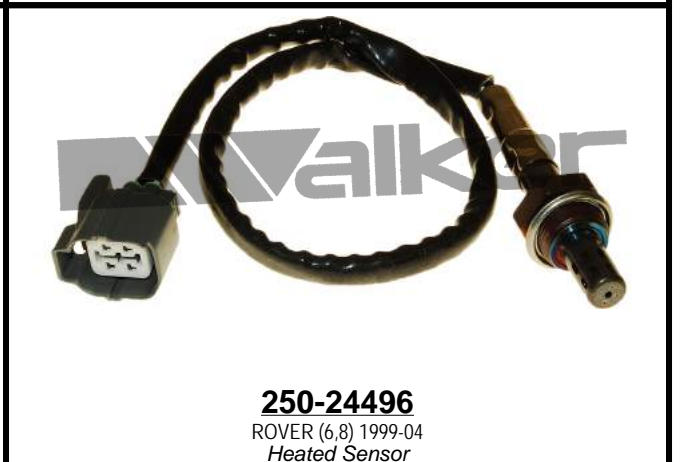
250-24491
 BUICK (4) 2012-14 / CAD (8) 2003-06
 CHEV (6,8) 2003-17 / GMC (6,8) 2003-16
 HUM (8) 2003-10 / SAAB (8) 2008-11
Heated Sensor



250-24495
 BENTLEY (8) 2003-04 / VW (4,5) 1999-10
Heated Sensor



250-24492
 BUICK (4) 2010-17 / CAD (8) 2007-10
 CHEV (4,8) 2003-17 / GMC (8) 2003-16
 PONT (4) 2009 / SAT (4) 2009
Heated Sensor



250-24496
 ROVER (6,8) 1999-04
Heated Sensor



250-24497
SAAB (4) 2003
Heated Sensor



250-24505
NISS (6) 1989
Heated Sensor



250-24498
ROVER (6,8) 1999-05
Heated Sensor



250-24506
NISS (6) 1987-88
Heated Sensor



250-24499
INFIN (8) 1996
Heated Sensor



250-24507
GEO (4) 1990-92 / TOY (4) 1990-91
Heated Sensor



250-24501
TOY (6) 1992-95
Heated Sensor



250-24508
TOY (6) 1990-91
Heated Sensor



250-24509
ROVER (8) 2010-13
Heated Sensor



250-24516
BMW (6) 1997-99
Heated Sensor



250-24512
ROVER (8) 1994-99
Heated Sensor



250-24517
HYUN (6) 1999-02 / KIA (6) 2001-03
Heated Sensor



250-24514
NISS (6) 1986-89
Heated Sensor



250-24518
HYUN (6) 1999-02 / KIA (6) 2001-03
Heated Sensor



250-24515
BMW (6) 1998-00
Heated Sensor



250-24546
MINI (4) 2007-16
Heated Sensor



250-24601
ACURA (4,6) 1997-02 / HONDA (4,6) 1995-04
Heated Sensor



250-24609
M-B (4,6,8,12) 1996-03
Heated Sensor



250-24603
ROLLS-ROYCE (8) 1991
Heated Sensor



250-24610
M-B (6,8,12) 1996-02
Heated Sensor



250-24605
BMW (6,8) 1992-95
Heated Sensor



250-24611
BMW (4,6,8,12) 1995-06 / ROVER (8) 2003-05
Heated Sensor



250-24607
BMW (4,6,8) 1992-95
Heated Sensor



250-24612
BUICK (4) 2013-18 / CAD (6) 2010-11
CHEV (4) 2011-18 / PONT (6) 2008-09
SAAB (6) 2010-11
Heated Sensor





250-24623
LEXUS (6,8) 1998-16 / TOY (4,6) 1996-09
Heated Sensor



250-24628
CHEV (4) 2006-07 / FORD (4,6) 1996-97
MAZDA (6) 1996-06 / SUZ (4) 2006-08
Heated Sensor



250-24625
M-B (6) 1994-95
Heated Sensor



250-24629
FORD (4) 1996-97 / MAZDA (4,6) 1995-02
Heated Sensor



250-24626
MER (6) 1996-98 / NISS (6) 1996-97
Heated Sensor



250-24630
DODGE (6) 1991-96 / MITSU (4,6) 1991-02
Heated Sensor



250-24627
FORD (6) 1996-97 / MAZDA (6) 1996
Heated Sensor



250-24631
MITSU (4,6) 1999-06
Heated Sensor



250-24632
NISS (4,6) 1996-03
Heated Sensor



250-24637
INFIN (6) 1996-97
Heated Sensor



250-24633
CHRY (4) 2001-05 / DODGE (4) 2001-04
EAGLE (4) 1995-96 / MITSU (4,6) 1995-11
Heated Sensor



250-24638
BMW (8,10,12) 2002-10
Heated Sensor



250-24634
MAZDA (4,6) 1992-01
Heated Sensor



250-24641
MAZDA (4) 2001-05
Heated Sensor



250-24636
INFIN (6) 1996-97
Heated Sensor



250-24644
TOY (4) 2005-07
Heated Sensor



250-24645
TOY (6) 2004-10
Heated Sensor



250-24649
BUICK (6) 2005-16 / CAD (4,6,8) 2004-16
CHEV (4,6) 2009-17 / GMC (6) 2009-17
SAT (6) 2009-10
Heated Sensor



250-24646
JAG (12) 1995-96
Heated Sensor



250-24650
PORSCHE (6) 2004
Heated Sensor



250-24647
PORSCHE (6) 2000-03
Heated Sensor



250-24651
FORD (4) 2003-11
Heated Sensor



250-24648
CHEV (4) 2011-18 / PORSCHE (6,10) 2001-17
SAAB (6) 2010-11
Heated Sensor



250-24652
CHRY (6) 2004
Heated Sensor



250-24653
MITSU (4) 2004-06
Heated Sensor



250-24657
BMW (8) 2004-06
Heated Sensor



250-24654
BUICK (6) 2004-05 / CHEV (4,5,6) 2004-05
GMC (4,5,6) 2004-05 / ISUZU (6) 2004-05
OLDS (6) 2004 / SAAB (6) 2005
Heated Sensor



250-24658
HYUN (6) 2003-06 / KIA (6) 2003-06
Heated Sensor



250-24655
TOY (6) 2001-03
Heated Sensor



250-24659
NISS (6) 2004
Heated Sensor



250-24656
FORD (4) 2003-07
Heated Sensor



250-24660
MAZDA (4) 2004-07
Heated Sensor



250-24661
MAZDA (4) 2004-07
Heated Sensor



250-24670
AUDI (6) 2005-15
Heated Sensor



250-24662
MITSU (4) 2004-12
Heated Sensor



250-24671
AUDI (6,8,12) 2007-14 / PORSCHE (6,8) 2008-10
VW (4,6) 2006-10
Heated Sensor



250-24664
HONDA (3) 2002-06
Heated Sensor



250-24672
AUDI (4,5,6,8) 2006-17 / PORSCHE (6) 2011-14
VW (4,5,6) 2005-15
Heated Sensor



250-24669
AUDI (6) 2005-11
Heated Sensor



250-24675
CHRY (4,6) 2005-10 / DODGE (4,6) 2005-10
JEEP (4,6) 2007-10 / M-B (6,8) 2005-15
SMART (3) 2008-15 / VW (6) 2009-10
Heated Sensor



250-24676
MAZDA (4) 2004-14
Heated Sensor



250-24682
PORSCHE (6,8) 2005-12
Heated Sensor



250-24677
BMW (6) 2003-06
Heated Sensor



250-24683
ROVER (6) 2005
Heated Sensor



250-24678
FORD (4) 2003-07
Heated Sensor



250-24684
LEXUS (6) 2006
Heated Sensor



250-24680
CHRY (4,6,8) 2005-18 / DODGE (4,6,8) 2005-18
FIAT (4) 2016 / JEEP (4,6,8) 2005-18
M-B (8) 2011-15 / MITSU (6) 2006
RAM (4,6,8) 2012-18 / SRT (10) 2013-14
VW (6) 2011-12
Heated Sensor



250-24685
LEXUS (6) 2006
Heated Sensor



250-24686

M-B (6,8) 2006-13
Heated Sensor



250-24690

HYUN (6) 2006-12 / KIA (6) 2006-10
Heated Sensor



250-24687

HYUN (4) 2006-09 / KIA (4) 2006-08
Heated Sensor



250-24691

CHEV (6) 2004-06 / SUZ (6) 2004-05
Heated Sensor



250-24688

HYUN (4,6) 2006-14 / KIA (4,6) 2006-14
Heated Sensor



250-24692

AUDI (8,10) 2007-15 / VW (5) 2005-11
Heated Sensor



250-24689

AUDI (4,6,8,12) 2000-09 / VW (6) 2001-02
Heated Sensor



250-24693

MAZDA (4) 2006-08
Heated Sensor



250-24697
AUDI (12) 2005-09
Heated Sensor



250-24703
BUICK (8) 2006-11 / CAD (8) 2006-11
CHEV (4,5,6,8) 2006-15 / GMC (5,6,8) 2006-13
HUM (8) 2007-10 / ISUZU (5,6) 2006
PONT (8) 2006-08 / SAAB (8) 2006-09
Heated Sensor



250-24698
BUICK (4,6) 2006-17 / CAD (8) 2006-09
CHEV (4,5,6) 2006-14 / GMC (4,5,6) 2006-12
HUM (5) 2006-10 / ISUZU (4,5,6) 2006-08
SAAB (6) 2006-11
Heated Sensor



250-24704
BUICK (8) 2006-11 / CAD (8) 2006-11
CHEV (4,6,8) 2006-15 / GMC (4,6,8) 2006-15
HUM (8) 2008 / ISUZU (8) 2006
PONT (4) 2008-10 / SAAB (8) 2006-09
SAT (4) 2007-10
Heated Sensor



250-24699
AUDI (6,8,10) 2006-11 / PORSCHE (6,8) 2008-10
VW (4,6) 2006-10
Heated Sensor



250-24707
HYUN (6) 2006-12 / KIA (6) 2006-10
Heated Sensor



250-24701
FORD (6,8,10) 1999-12 / LINC (8) 2006-08
MAZDA (6) 2001-03 / MER (6,8) 1999-01
Heated Sensor



250-24708
BUICK (6) 2007-11 / CHEV (4,5,6) 2007-17
GMC (4,5,6,8) 2007-15 / HUM (5) 2007-10
ISUZU (4,5,6) 2007-08 / PONT (4) 2008-10
SAAB (6) 2007-09 / SAT (4,6) 2007-10
Heated Sensor



250-24709
MITSU (4) 2006
Heated Sensor



250-24715
MAZDA (6) 2003-05
Heated Sensor



250-24712
PORSCHE (6) 2006-17
Heated Sensor



250-24717
AUDI (4,8,10) 2005-15 / VW (4,5,6,8) 2007-15
Heated Sensor



250-24713
BMW (6,8,12) 2006-17
Heated Sensor



250-24718
MAZDA (4) 2006-09
Heated Sensor



250-24714
ROVER (8) 2007-09
Heated Sensor



250-24722
CAD (8) 2006-10
Heated Sensor



250-24724
MAZDA (6) 2006-08
Heated Sensor



250-24728
CAD (8) 2006-15 / CHEV (6,8) 2008-12
GMC (8) 2008-10 / HUM (8) 2009
PONT (6) 2008-09 / SAT (6) 2008-09
Heated Sensor



250-24725
MAZDA (4) 2006-15
Heated Sensor



250-24729
CAD (8) 2006-09
Heated Sensor



250-24726
AUDI (8) 2007-10 / PORSCHE (6) 2011-14
VW (8) 2007-09
Heated Sensor



250-24730
JAG (6,8) 2005-11
Heated Sensor



250-24727
PONT (4) 2007 / SAT (4) 2007
Heated Sensor



250-24732
MAZDA (4) 2005-08
Heated Sensor



250-24734

VW (4,6,8) 1998-06
Heated Sensor



250-24741

INFIN (6,8) 2007-15 / NISS (4,6) 2007-15
Heated Sensor



250-24736

CAD (8) 2008-14 / CHEV (6,8) 2008-17
GMC (8) 2008-15 / HUM (5) 2006
PONT (6) 2008-10 / SAT (6) 2008-09
Heated Sensor



250-24742

MITSU (4,6) 2007-11
Heated Sensor



250-24739

HYUN (6) 2007-12 / KIA (6) 2007-09
Heated Sensor



250-24743

CAD (8) 2005-06
Heated Sensor



250-24740

KIA (6) 2007-09
Heated Sensor



250-24744

VOLVO (6) 2007-14
Heated Sensor



250-24745
 CHEV (4) 2008-10 / PONT (4) 2008-09
 SAT (4) 2007-10
 Heated Sensor



250-24749
 FORD (6,8) 1998-10 / JAG (6,8) 2000-02
 LINC (6,8) 1998-06 / MAZDA (6) 2001-09
 MER (6,8) 1998-08
 Heated Sensor



250-24746
 CAD (6) 2008-14 / CHEV (6) 2010-15
 Heated Sensor



250-24751
 MITSU (4) 2008-11
 Heated Sensor



250-24747
 TOY (4) 2003-05
 Heated Sensor



250-24752
 DODGE (6) 2007-08 / M-B (6,8) 2010-15
 Heated Sensor



250-24748
 VOLVO (5) 2003-04
 Heated Sensor



250-24753
 AUDI (6) 2008-17
 Heated Sensor



250-24755

AUDI (6) 2008-09
Heated Sensor



250-24767

AUDI (10) 2007-11 / PORSCHE (6) 2011-14
Heated Sensor



250-24762

AUDI (6) 2008-09
Heated Sensor



250-24768

HYUN (4) 2007-12 / KIA (4) 2010-11
Heated Sensor



250-24764

HONDA (4) 2006-09
Heated Sensor



250-24769

MAZDA (4) 2008-10
Heated Sensor



250-24765

SAT (4) 2008
Heated Sensor



250-24770

SUZ (4) 2008-13
Heated Sensor



250-24771
 INFIN (8) 2011-15 / NISS (4,6,8) 2007-15
 Heated Sensor



250-24776
 FORD (4) 2008-13
 Heated Sensor



250-24772
 SUZ (6) 2006
 Heated Sensor



250-24777
 PONT (4) 2003-06 / TOY (4) 2003-06
 Heated Sensor



250-24773
 BUICK (6) 2012-17 / CAD (6,8) 2005-18
 CHEV (6) 2008-18 / GMC (6) 2012-16
 PONT (6) 2008-09 / SUZ (6) 2007-09
 Heated Sensor



250-24779
 KIA (4) 2010-11
 Heated Sensor



250-24775
 MINI (4) 2002-08
 Heated Sensor



250-24782
 MAZDA (4) 2007-12
 Heated Sensor



250-24783
HYUN (6) 2002-09 / KIA (6) 2003-10
Heated Sensor



250-24787
HONDA (6) 2008-12
Heated Sensor



250-24784
HONDA (4) 1998-03
Heated Sensor



250-24788
CHEV (8) 2011-13 / PONT (8) 2008-09
Heated Sensor



250-24785
ACURA (4,6) 2007-17 / HONDA (6) 2008-15
Heated Sensor



250-24789
CHEV (4) 2006-08 / SUZ (6) 2006
Heated Sensor



250-24786
ACURA (4) 2013-14 / HONDA (4) 2006-15
Heated Sensor



250-24791
MAZDA (4) 2006-07
Heated Sensor



250-24794
NISS (4) 2007-13
Heated Sensor



250-24799
HONDA (4) 2007-09
Heated Sensor



250-24795
MAZDA (4) 2007-13
Heated Sensor



250-24804
ROVER (8) 1995-99
Heated Sensor



250-24796
PONT (4) 2004-06 / TOY (4) 2003-06
Heated Sensor



250-24810
BMW (6) 1996-00
Heated Sensor



250-24798
ACURA (4) 2006-11 / HONDA (4) 2006-11
Heated Sensor



250-24817
JAG (6) 1995-97
Heated Sensor



250-24820
FERRARI (8) 1990-94
Heated Sensor



250-24835
CHRY (6) 2004-05 / DODGE (6) 2004-05
Heated Sensor



250-24823
VW (6) 1993-94
Heated Sensor



250-24836
BUICK (6,8) 2004-08 / CHEV (6,8) 2000-07
GMC (6,8) 2000-05 / ISUZU (8) 2003-05
OLDS (6,8) 2000-03 / PONT (6,8) 2004-07
SAAB (8) 2005 / SAT (6) 2005-07
Heated Sensor



250-24824
BMW (4) 1991
Heated Sensor



250-24837
LEXUS (6) 2006-15 / TOY (4,6) 2006-15
Heated Sensor



250-24833
ACURA (4,6) 2009-17 / HONDA (4) 2008-12
Heated Sensor



250-24838
TOY (4) 2004-05
Heated Sensor



250-24839
LEXUS (6,8) 1995-05 / TOY (4,6) 1997-15
Heated Sensor



250-24843
VW (4,6,8) 2000-07
Heated Sensor



250-24840
LEXUS (6) 2001-05
Heated Sensor



250-24845
PONT (6) 2008-09
Heated Sensor



250-24841
PORSCHE (6) 2002-05 / SAAB (4) 2004-11
Heated Sensor



250-24847
BUICK (4) 2013-18 / CAD (4) 2014-15
CHEV (4) 2011-18
Heated Sensor



250-24842
SAAB (4) 2003
Heated Sensor



250-24849
HYUN (8) 2009-14 / KIA (8) 2009
Heated Sensor



250-24850
CHEV (4) 2009-11 / PONT (4) 2009-10
Heated Sensor



250-24854
PORSCHE (6) 2009-17
Heated Sensor



250-24851
CHEV (4) 2009-11 / PONT (4) 2009-10
Heated Sensor



250-24856
HONDA (4) 2009-15
Heated Sensor



250-24852
SUZ (6) 2009-10
Heated Sensor



250-24857
M-B (8) 2009-15
Heated Sensor



250-24853
M-B (8) 2013-14
Heated Sensor



250-24859
MAZDA (4) 2009-13
Heated Sensor



250-24860
MAZDA (2) 2009-11
Heated Sensor



250-24868
NISS (6) 2004
Heated Sensor



250-24861
SUZ (4,6) 2009-13
Heated Sensor



250-24869
CAD (6) 2010-18 / CHEV (6) 2010-15
Heated Sensor



250-24864
HYUN (4) 2010-13 / KIA (4) 2009-14
Heated Sensor



250-24870
LEXUS (4,6) 2011-16 / TOY (4,6) 2010-15
Heated Sensor



250-24867
NISS (6) 2004
Heated Sensor



250-24871
MAZDA (4) 2010-12
Heated Sensor



250-24872
MAZDA (4) 2010-13
Heated Sensor



250-24908
HYUN (6) 2010-14 / KIA (6) 2011-14
Heated Sensor



250-24873
FORD (4) 2010-13
Heated Sensor



250-24909
HYUN (6) 2010-14 / KIA (6) 2011-14
Heated Sensor



250-24878
HYUN (4) 2010-14 / KIA (4) 2010-14
Heated Sensor



250-24913
HYUN (4) 2010-14 / KIA (4) 2011-14
Heated Sensor



250-24906
TOY (6) 2003-04
Heated Sensor



250-24914
TOY (4,6) 2011-15
Heated Sensor



250-24915
 ACURA (6) 2010-14 / HONDA (6) 2011-15
Heated Sensor



250-24935
 PORSCHE (6,8) 2010-14
Heated Sensor



250-24916
 HYUN (4) 2010-12
Heated Sensor



250-24942
 CHRY (4,6) 1995-04 / DODGE (4,6,8,10) 1993-04
 EAGLE (6) 1996-97 / JEEP (4,6,8) 1996-01
 PLY (4,6) 1995-01
Heated Sensor



250-24917
 ACURA (4,6) 2013-17 / HONDA (4,6) 2010-15
Heated Sensor



250-24943
 CHRY (4,6) 1996-00 / DODGE (4,6,8,10) 1995-02
 JEEP (4,6) 1996-01 / PLY (4) 1996-00
Heated Sensor



250-24934
 PORSCHE (6,8) 2010-14
Heated Sensor



250-24944
 CHRY (4,6) 1998-03 / DODGE (4,6) 1998-03
Heated Sensor



250-24945
DODGE (4) 1997-00 / PLY (4) 1997-00
Heated Sensor



250-24951
NISS (4,6) 2005-15 / SUZ (4,6) 2009-12
Heated Sensor



250-24946
DODGE (4) 2000-02 / PLY (4) 2000-01
Heated Sensor



250-24953
AUDI (6) 2005-11
Heated Sensor



250-24947
DODGE (8) 2000 / JEEP (8) 1999-00
Heated Sensor



250-24954
AUDI (6,8,12) 2006-17 / VW (6) 2006-08
Heated Sensor



250-24950
BUICK (8) 2006-07 / CHEV (8) 2006-07
GMC (8) 2006-07 / ISUZU (8) 2006
SAAB (8) 2006-07
Heated Sensor



250-24955
AUDI (8,10,12) 2007-17 / PORSCHE (6) 2011-14
VW (4) 2006-10
Heated Sensor



250-24958
MAZDA (4) 2011-14
Heated Sensor



250-24987
HYUN (4) 2011-14 / KIA (4) 2014
Heated Sensor



250-24976
FORD (4) 2013-17
Heated Sensor



250-24988
HYUN (4) 2011-14 / KIA (4) 2014
Heated Sensor



250-24982
HYUN (4) 2012-14 / KIA (4) 2012-14
Heated Sensor



250-24989
FORD (4,6,8) 2011-18 / LINC (4,6) 2011-16
MER (6) 2011
Heated Sensor



250-24983
FORD (6) 2011-18 / LINC (6) 2011-18
MAZDA (6) 2011-14 / MER (6) 2011
Heated Sensor



250-24990
KIA (4) 2011
Heated Sensor



250-24991

BMW (6) 2010-17
Heated Sensor



250-24996

NISS (4) 2011-14
Heated Sensor



250-24992

FORD (8) 2011-14
Heated Sensor



250-24997

BMW (6) 2010-12
Heated Sensor



250-24993

BMW (6) 2011-15
Heated Sensor



250-24998

FORD (6) 2011-18 / LINC (6) 2011-18
Heated Sensor



250-24994

AUDI (6) 2011-15
Heated Sensor



250-24999

FORD (4,6) 2011-12 / LINC (6) 2011-12
MER (4) 2011
Heated Sensor



250-241003
DODGE (4) 2013-16 / FIAT (4) 2014-16
JEEP (4) 2015-16
Heated Sensor



250-241034
HYUN (6) 2012-14 / KIA (6) 2014
Heated Sensor



250-241010
PORSCHE (8) 2011-14
Heated Sensor



250-241035
M-B (4) 2012-15 / RAM (8) 2014-18
Heated Sensor



250-241023
FORD (4) 2012-18 / LINCOLN (4) 2013-16
Heated Sensor



250-241040
KIA (4) 2012-13
Heated Sensor



250-241027
BMW (4,6) 2010-17
Heated Sensor



250-241042
ACURA (6) 1999-05 / HONDA (4) 1996-00
Heated Sensor



250-241045

FIAT (4) 2012-14
Heated Sensor



250-241055

ROVER (4) 2012-14
Heated Sensor



250-241046

HYUN (6) 2012-14 / KIA (6) 2014
Heated Sensor



250-241059

FORD (4) 2013-18 / LINC (4) 2015-18
Heated Sensor



250-241052

FORD (8,10) 2012-16 / LINC (8) 2012-14
Heated Sensor



250-241068

SUZ (6) 2006
Heated Sensor



250-241054

AUDI (6) 2015-17
Heated Sensor



250-241070

VOLVO (5) 2013-14
Heated Sensor



250-241071
JAG (4) 2013-14
Heated Sensor



250-241089
AUDI (6) 2015-17
Heated Sensor



250-241074
MAZDA (4) 2013-15
Heated Sensor



250-241099
CHEV (4) 1998-02 / TOY (4) 1998-02
Heated Sensor



250-241075
FORD (3) 2014-17
Heated Sensor



250-241104
INFIN (6) 2012-16 / NISS (4) 2012-14
Heated Sensor



250-241077
M-B (8) 2015
Heated Sensor



250-241105
NISS (6) 2013-15
Heated Sensor



250-241106
INFIN (6) 2013-15 / NISS (4,6) 2011-15
Heated Sensor



250-241116
LEXUS (6,8) 1998-10 / TOY (6) 1998
Heated Sensor



250-241107
NISS (4) 2013-15
Heated Sensor



250-241117
CHRY (6,8) 2005-07 / DODGE (8) 2005-07
JEEP (8) 2005-07 / MITSU (8) 2006-07
Heated Sensor



250-241108
CHEV (4) 2015-18 / INFIN (6) 2013-15
NISS (4,6) 2012-15
Heated Sensor



250-241118
DODGE (8) 2002-05
Heated Sensor



250-241115
CHEV (4) 1999-03 / SUZ (4,6) 1999-06
Heated Sensor



250-241119
CHEV (6,8) 2002-07 / GMC (6,8) 2002-07
HUM (8) 2003-06
Heated Sensor



250-241120
CHEV (6) 2001-04 / SUZ (6) 2001-05
Heated Sensor



250-241124
HYUN (4,6) 1999-05 / KIA (4) 2001-06
Heated Sensor



250-241121
ACURA (6) 2000-03
Heated Sensor



250-241125
BUICK (6) 2004 / CAD (6) 2003-04
SAAB (6) 2006-09 / SAT (6) 2002-03
Heated Sensor



250-241122
SAAB (4) 2000-09 / VOLVO (6) 2000-02
Heated Sensor



250-241126
MAZDA (4) 2001-03 / SUZ (4) 2004-05
Heated Sensor



250-241123
HONDA (4) 2003-06
Heated Sensor



250-241127
FORD (4,6,8,10) 1999-12 / LINC (8) 2001-08
MAZDA (4,6) 1999-09 / MER (6,8) 1999-10
Heated Sensor



250-241128
CHEV (6,8) 2006-15 / GMC (6,8) 2006-15
Heated Sensor



250-241138
JAG (6,8) 2013-16 / ROVER (8) 2013-14
Heated Sensor



250-241129
LEXUS (6) 2004-09 / TOY (6) 2004-15
Heated Sensor



250-241139
JAG (6,8) 2013-16
Heated Sensor



250-241132
BUICK (4) 2014-18 / CAD (4,8) 2013-18
CHEV (4,6,8) 2013-18 / GMC (4,6,8) 2014-18
Heated Sensor



250-241140
JAG (6,8) 2013-16 / ROVER (8) 2013-14
Heated Sensor



250-241133
BUICK (4) 2014-18 / CAD (4,6,8) 2013-18
CHEV (4,6,8) 2013-18 / GMC (4,8) 2015-18
Heated Sensor



250-241141
ROVER (8) 2013-14
Heated Sensor



250-241142
AUDI (4,12) 2015-17 / VW (4) 2013-17
Heated Sensor



250-241146
HYUN (4) 2013-14
Heated Sensor



250-241143
AUDI (4) 2016-17 / VW (4) 2013-14
Heated Sensor



250-241147
PORSCHE (6) 2014
Heated Sensor



250-241144
VW (4) 2013-16
Heated Sensor



250-241149
KIA (4) 2014
Heated Sensor



250-241145
M-B (4,12) 2013-15
Heated Sensor



250-241150
ROVER (6) 2014
Heated Sensor

Walker



250-241151
INFIN (6) 2015 / NISS (6) 2015
Heated Sensor

Walker



250-241161
BMW (2,3,6) 2014-17
Heated Sensor

Walker



250-241152
ROVER (4) 2014
Heated Sensor

Walker



250-241162
BUICK (6) 2017-18 / CAD (8) 2015-18
CHEV (6,8) 2014-18 / GMC (6,8) 2014-18
Heated Sensor



250-241159
M-B (4,12) 2013-17
Heated Sensor



250-241175
FORD (4,6) 2014-18
Heated Sensor



250-241160
SUB (4) 2014-15
Heated Sensor



250-241176
VOLVO (6) 2010-15
Heated Sensor



250-241177
MAZDA (4) 2016-17 / SCION (4) 2016
TOY (4) 2017
Heated Sensor



250-241183
FORD (6) 2015-17 / LINC (6) 2015-18
Heated Sensor



250-241179
BMW (6) 2015-17
Heated Sensor



250-241184
FORD (3,4) 2015-18 / LINC (4) 2016-18
Heated Sensor



250-241181
AUDI (12) 2012-16
Heated Sensor



250-241185
FORD (6,8,10) 2015-18 / LINC (6) 2016-18
Heated Sensor



250-241182
FORD (8,10) 2015-17
Heated Sensor



250-241186
FORD (6) 2015
Heated Sensor



250-241187

BUICK (4) 2015-17
Heated Sensor



250-241193

M-B (12) 2016-17
Heated Sensor



250-241188

BUICK (4) 2016-18 / CHEV (4) 2016-18
GMC (4) 2018
Heated Sensor



250-241195

JAG (8) 2016
Heated Sensor



250-241189

BUICK (4) 2011-16
Heated Sensor



250-241198

JAG (8) 2016
Heated Sensor



250-241192

BMW (4) 2016-17 / MINI (3) 2014-17
Heated Sensor



250-241199

FORD (6) 2016-18
Heated Sensor



250-241201
AUDI (4) 2016-17
Heated Sensor



250-241212
BUICK (6) 2018 / CAD (6) 2016-18
CHEV (6) 2016-18 / GMC (6) 2017-18
Heated Sensor



250-241205
LINC (6) 2014-15
Heated Sensor



250-25001
ACURA (6) 2003-08 / HONDA (6) 2003-08
SAT (6) 2004-07
Wideband Sensor



250-241206
FORD (6) 2016-18
Heated Sensor



250-25002
AUDI (12) 2003-07 / BMW (8) 2002-06
BUICK (6) 2004-08 / VW (6) 2004-06
Wideband Sensor



250-241207
PORSCHE (6) 2015-17
Heated Sensor



250-25003
BENTLEY (12) 2003 / BMW (8,12) 2002-08
M-B (4) 2003-05 / PORSCHE (6,8) 2003-06
VW (4,6,8,12) 1999-09
Wideband Sensor



250-25004
AUDI (6,8) 2004-06 / BMW (6,8) 2003-05
PORSCHE (8) 2003-06 / VW (4) 2000-06
Wideband Sensor



250-25008
AUDI (4,6,8) 2001-06 / BENTLEY (12) 2003
PORSCHE (8) 2003-06 / VW (6,8) 2001-09
Wideband Sensor



250-25005
CAD (6,8) 2004-06 / INFIN (6,8) 2004-10
NISS (4,6,8) 2000-12 / SUB (4) 2000-02
SUZ (4) 2009 / VOLVO (5) 1999
Wideband Sensor



250-25009
VOLVO (6) 1999-04
Wideband Sensor



250-25006
CAD (8) 2005-06 / PORSCHE (10) 2001-05
VOLVO (5,6) 2000-09
Wideband Sensor



250-25010
CAD (6) 1999-01 / SAT (6) 2000-05
Wideband Sensor



250-25007
AUDI (4,6,8,12) 2002-09 / PORSCHE (6) 2004-06
VW (6,8,12) 2002-06
Wideband Sensor



250-25011
VOLVO (6) 2000-05
Wideband Sensor



250-25012
HYUN (4) 2004-09 / KIA (4) 2004-09
Wideband Sensor



250-25018
BMW (6) 2006-16 / M-B (4) 2012-15
Wideband Sensor



250-25015
AUDI (8,10) 2007-15 / PORSCHE (6) 2005-08
Wideband Sensor



250-25019
AUDI (12) 2007
Wideband Sensor



250-25016
BMW (6) 2003-06
Wideband Sensor



250-25020
AUDI (8,12) 2005-10
Wideband Sensor



250-25017
AUDI (4,6) 2005-17 / DODGE (4) 2013-14
FIAT (4) 2012-14 / HYUN (4) 2009-14
KIA (4) 2009-13
Wideband Sensor



250-25021
AUDI (12) 2005-07
Wideband Sensor



250-25025
AUDI (10) 2008-17 / FORD (4,6,8) 2014-18
LINC (4,6) 2016-18 / PORSCHE (6) 2009-14
VW (6) 2007-08
Wideband Sensor



250-25029
MAZDA (4) 2006-13
Wideband Sensor



250-25026
AUDI (5,10) 2008-13 / VW (6,12) 2006-08
Wideband Sensor



250-25030
AUDI (10) 2007
Wideband Sensor



250-25027
AUDI (10) 2007
Wideband Sensor



250-25031
PORSCHE (6,8) 2008-14
Wideband Sensor



250-25028
AUDI (8,12) 2005-15
Wideband Sensor



250-25032
AUDI (10) 2007
Wideband Sensor



250-25033
 AUDI (12) 2015-16 / PORSCHE (6) 2010-17
 VW (5,6,12) 2005-15
Wideband Sensor



250-25037
 AUDI (4,6,10) 2005-13 / VW (4,5,6,10) 2006-15
Wideband Sensor



250-25034
 CHEV (4) 2008-10 / DODGE (6) 2007-10
 FORD (4,6,8,10) 2008-18 / HYUN (4) 2011-14
 KIA (4) 2014 / LINC (4,6) 2009-16
 MER (6) 2008-09 / PONT (4) 2007-09
 PORSCHE (6) 2009-10 / RAM (6) 2011-12
 ROVER (4) 2012-14 / SAT (4) 2007-10
 VW (6) 2007-08
Wideband Sensor



250-25038
 AUDI (8,10) 2007-12 / CAD (6,8) 2005-08
Wideband Sensor



250-25035
 AUDI (4) 2006-16 / BMW (6) 2009-17
 FORD (3,6,8) 2009-18 / HYUN (4) 2012-14
 KIA (4) 2012-14 / LINC (6,8) 2009-18
 PORSCHE (6,8) 2008-17 / SAAB (6) 2006-09
 VW (4,6) 2005-16
Wideband Sensor



250-25039
 AUDI (8) 2007-10 / PORSCHE (6) 2006-11
Wideband Sensor



250-25036
 VW (4,5,10) 2004-08
Wideband Sensor



250-25040
 AUDI (4,6,10,12) 2006-17 / FORD (3,6) 2015-17
 PORSCHE (6,8) 2010-14 / VW (4,6,12) 2006-15
Wideband Sensor



250-25041

AUDI (10) 2007
Wideband Sensor



250-25045

BMW (6) 2010-12 / DODGE (5,6) 2003-09
M-B (6,8) 2006-15
Wideband Sensor



250-25042

BMW (4,6,8) 2006-17 / JEEP (6) 2007-09
M-B (6,8,12) 2007-17 / MINI (4) 2007-08
SMART (3) 2008-15
Wideband Sensor



250-25046

BMW (4,6,8) 2006-17
Wideband Sensor



250-25043

BMW (6,8) 2006-16 / DODGE (6) 2007-08
M-B (4,6,8) 2005-15
Wideband Sensor



250-25047

BMW (6) 2007-16
Wideband Sensor



250-25044

BMW (8,10,12) 2006-10 / M-B (4,6,8) 2009-17
MINI (4) 2007-12
Wideband Sensor



250-25048

BMW (6) 2008-12 / M-B (6,8) 2005-09
Wideband Sensor



250-25049
 AUDI (4,6) 2013-17 / FORD (4,6,8,10) 2009-18
 HYUN (4) 2011-14 / JAG (4) 2013-14
 KIA (4) 2012-14 / LINC (4,6,8) 2009-18
 MAZDA (4) 2009-10 / MER (4) 2009-11
 PORSCHE (6) 2011-14 / VW (4,6) 2009-15
Wideband Sensor



250-25053
 VW (10) 2004
Wideband Sensor



250-25050
 AUDI (12) 2008-09
Wideband Sensor



250-25054
 VW (10) 2004
Wideband Sensor



250-25051
 AUDI (12) 2008-09 / PORSCHE (6) 2011-14
 VW (6) 2011-15
Wideband Sensor



250-25055
 HONDA (3,4) 1992-01
Wideband Sensor



250-25052
 AUDI (12) 2008-09 / VW (5) 2009-10
Wideband Sensor



250-25056
 ACURA (6) 2007-10 / HONDA (6) 2007-10
Wideband Sensor



250-25058
FIAT (4) 2016 / JEEP (4) 2015-16
Wideband Sensor



250-25063
MAZDA (4) 2010-13
Wideband Sensor



250-25059
ACURA (6) 2009-17 / HONDA (6) 2008-15
Wideband Sensor



250-25064
AUDI (6) 2013-14
Wideband Sensor



250-25060
FORD (6) 2010 / MAZDA (6) 2009-10 / MER (6) 2010
Wideband Sensor



250-25065
HYUN (4) 2010-13 / KIA (4) 2011-13
Wideband Sensor



250-25062
HYUN (4) 2010-14 / KIA (4) 2010-14
Wideband Sensor



250-25066
MAZDA (4) 2006-13
Wideband Sensor



250-25067
MAZDA (4) 2007-09
Wideband Sensor



250-25077
PORSCHE (6) 2015-17
Wideband Sensor



250-25068
MAZDA (4) 2010-11
Wideband Sensor



250-25079
PORSCHE (6) 2002-05 / VOLVO (5) 2004-13
Wideband Sensor



250-25069
MAZDA (4) 2006-08
Wideband Sensor



250-25080
VW (6) 2004
Wideband Sensor



250-25073
PORSCHE (6,8) 2010-14
Wideband Sensor



250-25081
AUDI (6) 2011-15
Wideband Sensor



250-25082
ACURA (6) 2014-17 / HONDA (6) 2008-09
Wideband Sensor



250-25086
FORD (4,6) 2010-16 / LINC (6) 2011-16
MAZDA (4,6) 2010-14 / MER (4,6) 2010-11
Wideband Sensor



250-25083
MITSU (4) 2011
Wideband Sensor



250-25087
BMW (8,12) 2008-17 / MINI (4) 2011-16
Wideband Sensor



250-25084
MITSU (4) 2010-11
Wideband Sensor



250-25088
M-B (6) 2010-15
Wideband Sensor



250-25085
MAZDA (4) 2012-14
Wideband Sensor



250-25089
BMW (2,3,4,6) 2010-17
Wideband Sensor



250-25090
MAZDA (4) 2009-13
Wideband Sensor



250-25101
MAZDA (4) 2012-17
Wideband Sensor



250-25091
M-B (6) 2010-13
Wideband Sensor



250-25102
MAZDA (4) 2013-17 / SCION (4) 2016
TOY (4) 2017
Wideband Sensor



250-25093
M-B (6,8) 2012-15
Wideband Sensor



250-25103
FORD (6) 2013-15
Wideband Sensor



250-25095
MINI (4) 2009-10
Wideband Sensor



250-25105
INFIN (8) 2011-15
Wideband Sensor



250-25106
BMW (4,6) 2011-17 / MINI (3) 2014-17
Wideband Sensor



250-25111
AUDI (12) 2012-14
Wideband Sensor



250-25107
ROVER (8) 2013-14
Wideband Sensor



250-25112
AUDI (4,8) 2011-17 / VW (4) 2015-17
Wideband Sensor



250-25108
JAG (6,8) 2013-16 / JEEP (6) 2014-18
Wideband Sensor



250-25113
AUDI (4,8) 2011-17
Wideband Sensor



250-25109
CHEV (4) 2014-15 / JAG (6,8) 2013-16
RAM (6) 2014-18 / ROVER (4) 2014
Wideband Sensor



250-25114
AUDI (12) 2012-14
Wideband Sensor



250-25115
AUDI (4) 2015-16
Wideband Sensor



250-25121
DODGE (4) 2015-16
Wideband Sensor



250-25118
AUDI (12) 2012-14 / PORSCHE (4) 2017
VW (4) 2014-15
Wideband Sensor



250-25122
FORD (6,8,10) 2015-18 / LINC (6) 2016-18
Wideband Sensor



250-25119
FORD (4,6,8,10) 2014-18
Wideband Sensor



250-25123
BMW (6) 2015-17
Wideband Sensor



250-25120
AUDI (4) 2016-17 / VW (4) 2013-15
Wideband Sensor



250-25124
FORD (8,10) 2015-18
Wideband Sensor



250-25125
SUB (4) 2014-15
Wideband Sensor



250-25129
PORSCHE (4) 2017
Wideband Sensor



250-25126
M-B (4) 2013-16
Wideband Sensor



250-54002
SUB (6) 2001-04 / TOY (4) 2000-03
Air/Fuel Sensor



250-25127
DODGE (4) 2013-16
Wideband Sensor



250-54003
LEXUS (6) 2000-01 / TOY (6) 2000-04
Air/Fuel Sensor



250-25128
BUICK (4) 2018 / CAD (4) 2016-18
CHEV (4) 2016-18 / CHRY (4) 2015-17
DODGE (8) 2015-18 / FIAT (4) 2016
GMC (4) 2018 / JEEP (4) 2014-18
RAM (4) 2015-18
Wideband Sensor



250-54004
SAAB (4) 2005 / SUB (4) 2002-05
Air/Fuel Sensor



250-54005
 HONDA (3,4) 2001-06
 Air/Fuel Sensor



250-54009
 VOLVO (5) 2001-02
 Air/Fuel Sensor



250-54006
 LEXUS (8) 2007-14 / PONT (4) 2005-10
 SCION (4) 2008-09 / TOY (4,6,8) 2001-12
 Air/Fuel Sensor



250-54010
 VOLVO (5) 1999-00
 Air/Fuel Sensor



250-54007
 LEXUS (6) 2007-15 / PONT (4) 2009-10
 SCION (4) 2005-08 / TOY (4,6) 2001-13
 Air/Fuel Sensor



250-54011
 ACURA (4) 2004-05 / SUB (4) 2003-06
 Air/Fuel Sensor



250-54008
 TOY (4,6) 2004-13
 Air/Fuel Sensor



250-54013
 ACURA (4) 2002-04 / HONDA (4) 2001-05
 Air/Fuel Sensor



250-54014
ACURA (4) 2002-04
Air/Fuel Sensor



250-54023
ACURA (4) 2005-06
Air/Fuel Sensor



250-54015
SUB (4) 1999-01
Air/Fuel Sensor



250-54025
SUB (4) 2004-06
Air/Fuel Sensor



250-54018
JAG (6,8) 2002-08
Air/Fuel Sensor



250-54026
VOLVO (5,8) 2003-10
Air/Fuel Sensor



250-54022
ACURA (4) 2004-08
Air/Fuel Sensor



250-54027
SAAB (4) 2006 / SUB (4) 2004-11
Air/Fuel Sensor



250-54028

VOLVO (5) 2003-07
Air/Fuel Sensor



250-54033

MAZDA (4) 2005
Air/Fuel Sensor



250-54029

MAZDA (4) 2004-09
Air/Fuel Sensor



250-54034

SUZ (4) 2007-13
Air/Fuel Sensor



250-54031

MAZDA (2) 2004-08
Air/Fuel Sensor



250-54035

INFIN (6) 2008-11 / NISS (4,6) 2007-15
SUZ (6) 2010-12
Air/Fuel Sensor



250-54032

JAG (6,8) 2005-11
Air/Fuel Sensor



250-54036

INFIN (6) 2008 / NISS (6) 2009-10
Air/Fuel Sensor



250-54037
INFIN (8) 2008-10 / NISS (4, 6, 8) 2007-12
SUZ (4, 6) 2009-12
Air/Fuel Sensor



250-54041
HONDA (4) 2006-15
Air/Fuel Sensor



250-54038
ACURA (4) 2013-17 / HONDA (4) 2011-15
Air/Fuel Sensor



250-54042
JAG (8) 2010-15 / VOLVO (5) 2007-10
Air/Fuel Sensor



250-54039
MAZDA (4) 2007-08
Air/Fuel Sensor



250-54043
ROVER (6) 2008-12 / VOLVO (5, 6) 2007-15
Air/Fuel Sensor



250-54040
ACURA (4) 2006-11 / HONDA (4) 2009-11
Air/Fuel Sensor



250-54044
MAZDA (2) 2009-11
Air/Fuel Sensor



250-54045
HONDA (4) 2003-07
Air/Fuel Sensor



250-54052
TOY (6) 1999-04
Air/Fuel Sensor



250-54046
ACURA (4) 2005-06 / HONDA (4) 2003-10
Air/Fuel Sensor



250-54053
JAG (8) 1999-03
Air/Fuel Sensor



250-54050
LEXUS (4,6,8) 2005-16 / TOY (6,8) 2005-14
Air/Fuel Sensor



250-54054
LEXUS (6) 1997-03 / TOY (4,6) 1997-03
Air/Fuel Sensor



250-54051
TOY (4,6) 1999-04
Air/Fuel Sensor



250-54055
HONDA (4) 1998-00
Air/Fuel Sensor



250-54056
HONDA (4) 2006-09
Air/Fuel Sensor



250-54061
SAAB (4) 2005 / SUB (4) 2005
Air/Fuel Sensor



250-54057
LEXUS (6) 2000-01 / TOY (6) 2000-04
Air/Fuel Sensor



250-54062
ROVER (6,8) 2005-09
Air/Fuel Sensor



250-54058
SAAB (4) 2006 / SUB (4) 2004-15
Air/Fuel Sensor



250-54063
MAZDA (4) 2006-08
Air/Fuel Sensor



250-54059
LEXUS (6) 2002-15 / TOY (4,6) 2003-12
Air/Fuel Sensor



250-54064
SUB (4) 2008-14
Air/Fuel Sensor



250-54065
 ACURA (4) 2013-15 / HONDA (4) 2007-09
 Air/Fuel Sensor



250-54069
 LEXUS (6) 2011-12 / SCION (4) 2011-15
 Air/Fuel Sensor



250-54066
 LEXUS (4,6,8) 2011-16 / SCION (4) 2010-15
 TOY (4,6) 2011-15
 Air/Fuel Sensor



250-54070
 SUZ (6) 2007-08
 Air/Fuel Sensor



250-54067
 SUB (4) 2010-12
 Air/Fuel Sensor



250-54071
 SUZ (4) 2010-13
 Air/Fuel Sensor



250-54068
 SUB (4) 2010-12
 Air/Fuel Sensor



250-54072
 ROVER (8) 2010-13
 Air/Fuel Sensor



250-54073

TOY (4) 2001-03
Air/Fuel Sensor



250-54077

VOLVO (8) 2005-11
Air/Fuel Sensor



250-54074

SUB (6) 2010-14 / TOY (6) 2002-06
Air/Fuel Sensor



250-54078

TOY (4) 2001-03
Air/Fuel Sensor



250-54075

HONDA (4) 2004-05
Air/Fuel Sensor



250-54079

SUB (4) 2008-14
Air/Fuel Sensor



250-54076

ACURA (4) 2002-04 / HONDA (4) 2002-05
Air/Fuel Sensor



250-54080

MAZDA (4) 2009-15
Air/Fuel Sensor



250-54081
MAZDA (4) 2011-14
Air/Fuel Sensor



250-54085
LEXUS (6,8) 2013-15 / TOY (6,8) 2011-15
Air/Fuel Sensor



250-54082
NISS (4) 2011-13
Air/Fuel Sensor



250-54086
TOY (4) 2011-12
Air/Fuel Sensor



250-54083
HONDA (4) 2011
Air/Fuel Sensor



250-54089
INFIN (8) 2009-12 / NISS (4) 2009-14
Air/Fuel Sensor



250-54084
LEXUS (4,6) 2011-16 / SCION (4) 2011-15
SUB (4) 2012-15 / TOY (4,6) 2011-15
Air/Fuel Sensor



250-54092
SUZ (6) 2006
Air/Fuel Sensor



250-54102
CHEV (4) 2015-18 / INFIN (6) 2011-15
NISS (4,6,8) 2011-15
Air/Fuel Sensor



250-54106
TOY (4) 1997-99
Air/Fuel Sensor



250-54103
INFIN (6) 2011-12 / NISS (4,8) 2011-15
Air/Fuel Sensor



250-54107
SCION (4) 2008-10 / TOY (4) 2004-08
Air/Fuel Sensor



250-54104
INFIN (8) 2013-14
Air/Fuel Sensor



250-54108
NISS (6) 2007
Air/Fuel Sensor



250-54105
INFIN (6,8) 2014-16 / NISS (4,6) 2013-15
Air/Fuel Sensor



250-54109
INFIN (8) 2007 / NISS (4,6,8) 2007-10
Air/Fuel Sensor



250-54110
ACURA (4) 2007-13 / HONDA (4) 2008-12
Air/Fuel Sensor



250-54114
ACURA (4) 2014 / LEXUS (6) 2002-03
SUB (6) 2005-09 / TOY (6) 2002-06
Air/Fuel Sensor



250-54111
ACURA (4) 2013-14 / HONDA (4) 2007-15
Air/Fuel Sensor



250-54115
LEXUS (4) 2016-17
Air/Fuel Sensor



250-54112
HONDA (4) 2006-08
Air/Fuel Sensor



250-54113
LEXUS (6) 2007 / TOY (4,6) 2005-12
Air/Fuel Sensor

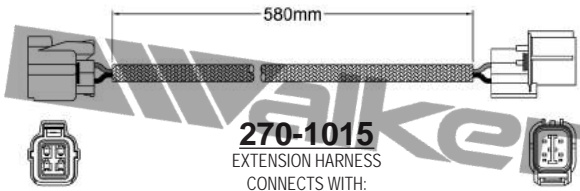


 <p>270-1000 CONNECTS WITH: 250-21001</p>	 <p>270-1007 CONNECTS WITH: 250-24011, 250-24093, 250-24308 250-24346, 250-24347, 250-24348 250-24391, 250-24441, 250-24473 250-24498, 250-24512</p>
 <p>270-1001 CONNECTS WITH: 250-21020</p>	 <p>270-1008 CONNECTS WITH: 250-24012, 250-24406, 250-24490</p>
 <p>270-1004 CONNECTS WITH: 250-23084, 250-23097, 250-23126</p>	 <p>270-1011 CONNECTS WITH: 250-24067, 250-24068 250-24341, 250-24356, 250-24357 250-24384, 250-24388, 250-24438, 250-24447 250-24475, 250-24627, 250-24628, 250-24818</p>
 <p>270-1005 CONNECTS WITH: 250-23085, 250-23095</p>	 <p>270-1012 CONNECTS WITH: 250-23002, 250-24001, 250-24070, 250-24127 250-24301, 250-24302, 250-24701</p>
 <p>270-1006 CONNECTS WITH: 250-23075, 250-23087, 250-23089 250-23093, 250-23104, 250-23109 250-23503, 250-23509, 250-23523</p>	 <p>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</p>



270-1014

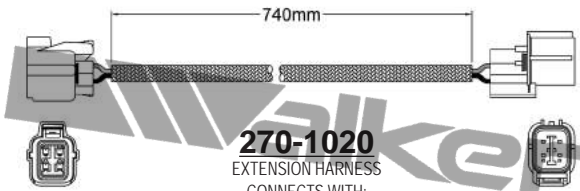
CONNECTS WITH:
 250-24123, 250-24128, 250-24139
 250-24245, 250-24365, 250-24369
 250-24629, 250-24634



270-1015

EXTENSION HARNESS

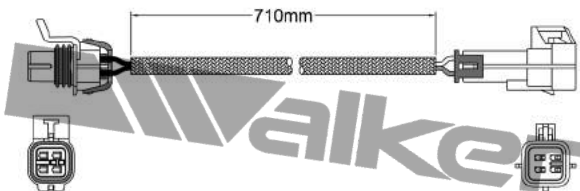
CONNECTS WITH:
 250-24011, 250-24093, 250-24095, 250-25097
 250-24099, 250-24105, 250-24308, 250-24346, 250-24347
 250-24348, 250-24391, 250-24402, 250-24441, 250-24473
 250-24498, 250-24578, 250-24760, 250-24761, 250-24766
 250-24784, 250-54013, 250-54014, 250-54023



270-1020

EXTENSION HARNESS

CONNECTS WITH:
 250-24011, 250-24093, 250-24095, 250-25097
 250-24099, 250-24105, 250-24308, 250-24346, 250-24347
 250-24348, 250-24391, 250-24402, 250-24441, 250-24473
 250-24498, 250-24578, 250-24760, 250-24761, 250-24766
 250-24784, 250-54013, 250-54014, 250-54023



270-1021

EXTENSION HARNESS

CONNECTS WITH:
 250-24018, 250-24273, 250-24355
 250-24618, 250-24704, 250-24706



270-1022

EXTENSION HARNESS

CONNECTS WITH:
 250-24001, 250-24070, 250-24120
 250-24301, 250-24302, 250-24701
 250-24749, 250-24793, 250-24858
 NOTE: LOCATING TABS ON MALE
 OE CONNECTOR MUST BE REMOVED.

88-823
Oxygen Sensor Socket
 Standard Oxygen Sensors
 6 Point With 25/32" Wire Opening



Fits 7/8" or 22mm
 3/8" Drive

88-829
Oxygen Sensor Wrench
 12 & 6 Point



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

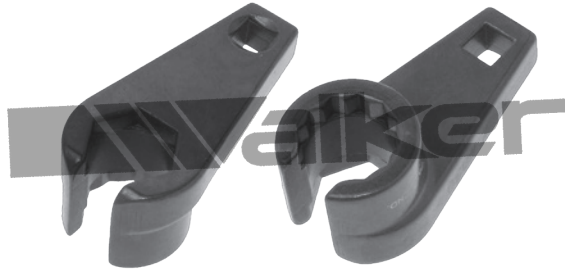
The 12 point side enables the technician twice the number of clock angle attachment positions. This gives the technician the maximum accessibility to remove oxygen sensors in difficult areas.

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

The new beefy design is 25% stronger.

Fits with all configurations of oxygen sensor wire/connectors.

88-830
Oxygen 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 oxygen 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 oxygen sensors in difficult areas.

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

The new beefy design is 25% stronger.

Fits with all configurations of oxygen 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.

88-831
Oxygen Sensor Wrench
 Shielded Applications



This unique tool has been designed to R&R shielded oxygen 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
Oxygen Sensor Bung
Thread Repair Kits

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



88-835
Oxygen Sensor Wrench

6 Point 3/8" Drive
1.2" Overall Depth



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

Fits with all configurations of Oxygen Sensor wire connectors.

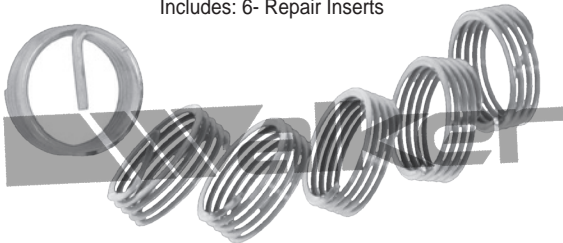
88-836
Oxygen Sensor Socket

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



88-833
Oxygen Sensor
Bung Insert Kit

Includes: 6- Repair Inserts



88-834
Oxygen Sensor Wrench

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



88-837
Oxygen Sensor Chaser

M18x1.5 Thread Chaser 3/8" Drive



Note: All part numbers followed with * 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: 90-186P or 90-187SSP

 <p>90-164* O2 Sensor Bung 1215 Mild Steel 18mm Threads 1.0" OD x 0.400" Thick</p>	 <p>90-164SS* O2 Sensor Bung 303 Stainless Steel 18mm Threads 1.0" OD x 0.400" Thick</p>	 <p>90-164SS-C O2 Sensor Bung w/Curve 303 Stainless Steel 18mm Threads 1.0" OD x 0.400" Thick</p>	 <p>90-184* O2 Sensor Bung - Stepped 1215 Mild Steel 18mm Threads 1.0" OD x 0.875" Step x 0.530" Thick</p>	 <p>90-184SS* O2 Sensor Bung - Stepped 303 Stainless Steel 18mm Threads 1.0" OD x 0.875" Step x 0.530" Thick</p>	 <p>90-184SS-M O2 Sensor Bung - Stepped 316 Stainless Steel 18mm Threads 1.0" OD x 0.875" Step x 0.530" Thick</p>
 <p>90-186* O2 Sensor Bung - Stepped 1215 Mild Steel 10mm Threads 0.980" OD x 0.735" Step x 0.320" Thick</p>	 <p>90-186SS* O2 Sensor Bung - Stepped 303 Stainless Steel 10mm Threads 0.980" OD x 0.735" Step x 0.320" Thick</p>	 <p>90-187* O2 Sensor Bung - Stepped 1215 Mild Steel 12mm Threads 0.985" OD x 0.740" Step x 0.315" Thick</p>	 <p>90-187SS* O2 Sensor Bung - Stepped 303 Stainless Steel 12mm Threads 0.985" OD x 0.740" Step x 0.315" Thick</p>	 <p>90-189* O2 Sensor Bung 1215 Mild Steel 12mm Threads 1.0" OD x 0.500" Thick</p>	 <p>90-189SS* O2 Sensor Bung 303 Stainless Steel 12mm Threads 1.0" OD x 0.500" Thick</p>
 <p>90-190* O2 Sensor Bung - 62° Angle 1215 Mild Steel 18mm Threads 1.0" OD x 0.975" Thick</p>	 <p>90-190SS* O2 Sensor Bung - 62° Angle 303 Stainless Steel 18mm Threads 1.0" OD x 0.975" Thick</p>	 <p>90-195* O2 Sensor Bung 1215 Mild Steel 18mm Threads 1.0" OD x 1.000" Thick</p>	 <p>90-195SS* O2 Sensor Bung 304L Stainless Steel 18mm Threads 1.0" OD x 1.000" Thick</p>	 <p>90-195SS-C O2 Sensor Bung w/Curve 303 Stainless Steel 18mm Threads 1.0" OD x 1.000" Thick</p>	 <p>90-199* O2 Sensor Bung 1215 Mild Steel 18mm Threads 1.0" OD x 0.500" Thick</p>
 <p>90-199SS* O2 Sensor Bung 303 Stainless Steel 18mm Threads 1.0" OD x 0.500" Thick</p>	 <p>90-206SS-C O2 Sensor Bung - 62° Angle w/Curve 303 Stainless Steel 18mm Threads 0.985" OD x 0.824" Thick</p>	 <p>90-207SS-C O2 Sensor Bung w/Curve 303 Stainless Steel 18mm Threads 0.985" OD x 0.550" Thick</p>	 <p>90-208SS O2 Sensor Bung w/Curve 304L Stainless Steel 18mm Threads 1.0" OD x 0.434" Thick</p>	 <p>90-211 O2 Sensor Bung 1215 Mild Steel 18mm Threads 1.0" OD x 0.375" Thick</p>	 <p>90-213-C O2 Sensor Bung - 60° Angle w/Curve 1215 Mild Steel 18mm Threads 1.0" OD x 1.025" Thick</p>
 <p>90-214SS O2 Sensor Bung 303 Stainless Steel 1/8-27 NPT Threads 0.500" OD x 0.500" Thick</p>	 <p>90-185* O2 Sensor Bung Plug 1215 Mild Steel 18mm Threads 1.0" Hex 0.650" Thick Use 1401FP Copper Washer</p>	 <p>90-185SS* O2 Sensor Bung Plug 303 Stainless Steel 18mm Threads 1.0" Hex 0.650" Thick Use 1401FP Copper Washer</p>	 <p>90-200* Bung Plug - Internal 8mm Hex 1215 Mild Steel 18mm Threads 0.875" OD x 0.510" Thick Use 1401FP Copper Washer</p>	 <p>90-200SS* Bung Plug - Internal 8mm Hex 303 Stainless Steel 18mm Threads 0.875" OD x 0.510" Thick Use 1401FP Copper Washer</p>	 <p>90-203* Bung Plug - Internal 6mm Hex 1215 Mild Steel 12mm Threads 0.625" OD x 0.400" Thick Use 215FP Copper Washer</p>
 <p>90-203SS* Bung Plug - Internal 6mm Hex 303 Stainless Steel 12mm Threads 0.625" OD x 0.400" Thick Use 215FP Copper Washer</p>	 <p>90-204* O2 Sensor Bung 1215 Mild Steel 12mm Threads 0.625" Hex 0.570" Thick Use 215FP Copper Washer</p>	 <p>90-204SS* O2 Sensor Bung 303 Stainless Steel 12mm Threads 0.625" Hex 0.570" Thick Use 215FP Copper Washer</p>	 <p>90-210 Plug - 12mm Internal Threads 1215 Mild Steel 18mm Threads 0.875" Hex 0.368" Thick Use 1401FP Copper Washer</p>	 <p>90-210SS Plug - 12mm Internal Threads 303 Stainless Steel 18mm Threads 0.875" Hex 0.368" Thick Use 1401FP Copper Washer</p>	 <p>90-212 Plug - 1/8-27NPT Internal Threads 1215 Steel, Zinc Plated 18mm Threads 1.0" Hex 0.65" Thick Use 1401FP Copper Washer</p>
 <p>85-417 O2 Sensor Flange 38mm x 44mm 18mm Threads</p>	 <p>85-418 O2 Sensor Flange 44mm x 54mm 18mm Threads</p>	 <p>85-419 O2 Sensor Boss 1215 Mild Steel, 18mm Threads 0.460" Thick, M6 x 1.25" Studs</p>	 <p>165-197 O2 Sensor Flange Gasket 44mm x 54mm</p>	 <p>165-202 O2 Sensor Flange Gasket 38mm x 44mm</p>	 <p>215FP Copper Seal Washer Pack of 10 pieces I.D. 0.470" x O.D. 0.625" x 0.030 Thick</p>
 <p>1401FP Copper Seal Washer Pack of 10 pieces I.D. 0.710" x O.D. 0.910" x 0.045 Thick</p>					



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, glow plugs, spark plug wire sets and other engine management products such as throttle position sensors, air charge temperature sensors, engine coolant temperature sensors, manifold absolute pressure sensors, fuel injectors, fuel pressure regulators and 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.

YOUR FIRST CHOICE IN QUALITY PRODUCTS



OXYGEN SENSOR CATALOG

Check Out Our Products!

- Carburetion Repair Kits and Accessories
- Fuel Injection Repair Kits and Accessories
- Oxygen Sensors, Bunges and O2 Tools
- Ignition Wire Sets
- Coil-On-Plug Boots
- Ignition Coils
- Coil-On-Plug
- Exhaust Gas Temperature Sensors
- Engine Management Components:
ACT Sensors, ECT Sensors, Cam and Crankshaft Position Sensors,
EGR Valve Position Sensors, EGR Valve Pressure Sensors,
MAP Sensors, MAF Sensors, Throttle Position Sensors,
EGR Valves, IAC Motors, TABPV, Fuel Pressure Regulators,
TBI and Port Fuel Injectors, Fuel Seal Repair Kits and
High Temperature Sensors.