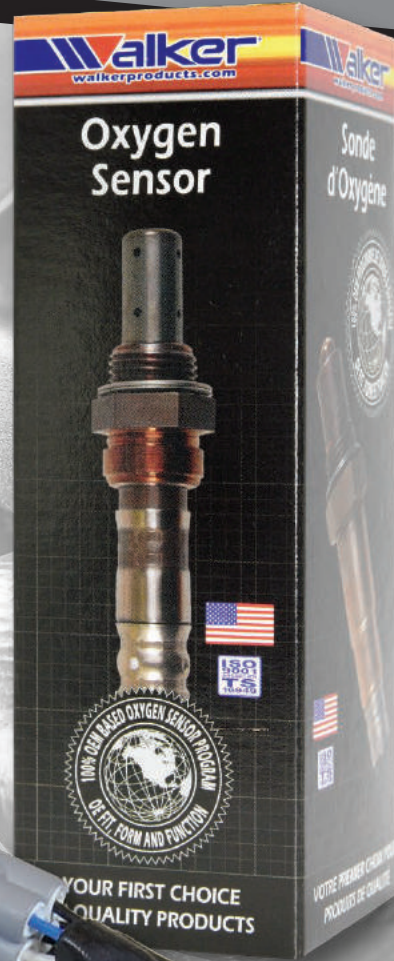


**CATALOG**

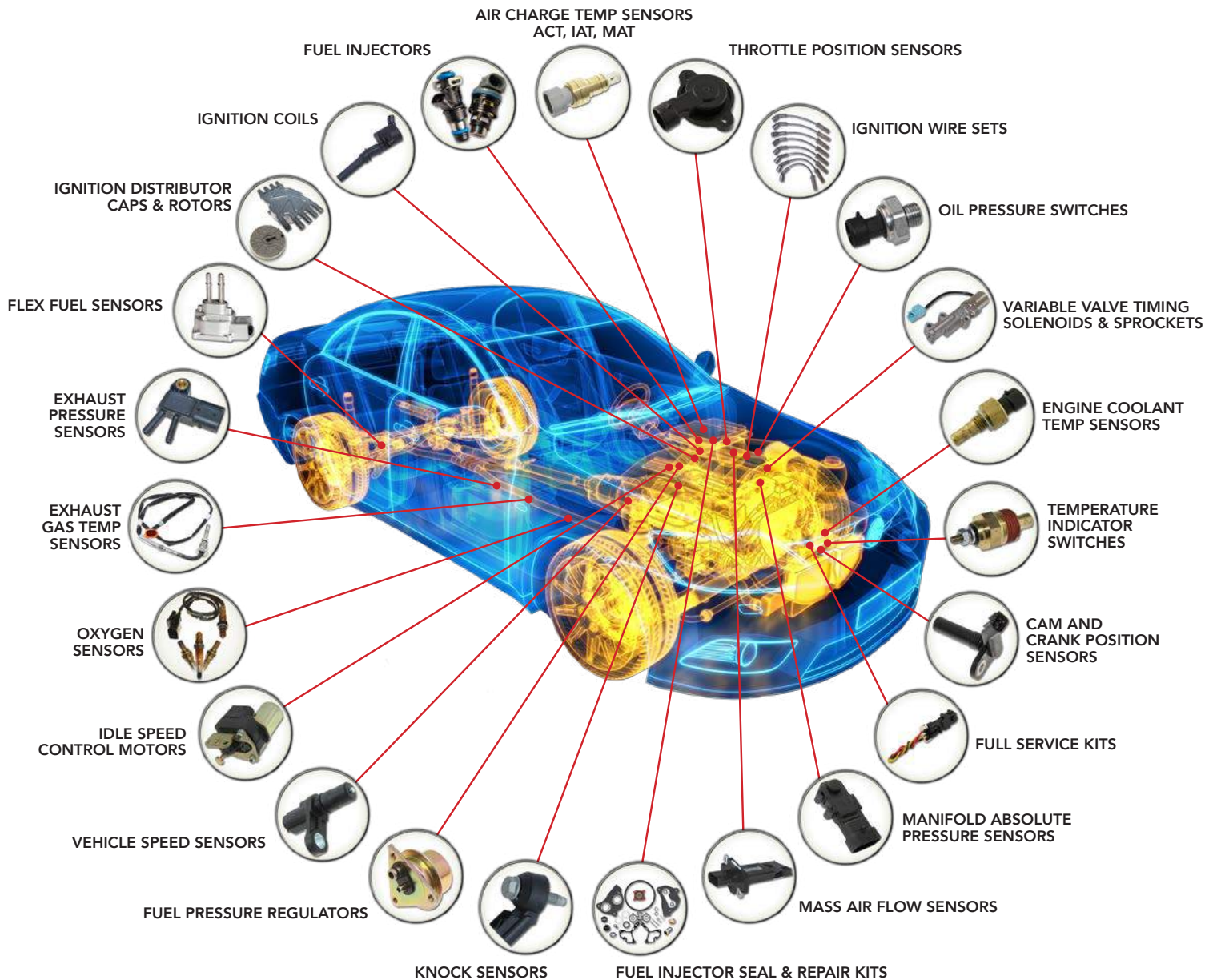
**OXYGEN  
SENSORS**



**Quality ■ Coverage ■ Support**

# Complete Engine Management Solutions

## All Makes. All Models.



WALKER PRODUCTS, INC.

525 WEST CONGRESS STREET • PACIFIC, MO 63069 • [www.walkerproducts.com](http://www.walkerproducts.com)

U.S. Corporate Office: 636-257-2400 • Fax: 636-257-6211

Customer Service: 636-257-1700 • Technical Support: 844-252-0114

U.K. Sales Office and Distribution Center: +44-121-459-8006 • [saleseurope@walkerproducts.com](mailto:saleseurope@walkerproducts.com)

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

Soporte tecnico y servicio al cliente en Mexico: +52-72-2207-8957

# QUALITY • COVERAGE • SUPPORT



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TOOLS & ACCESSORIES.....387-388



*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.*

**QUALITY • COVERAGE • SUPPORT**



# The Industry's Most Intelligent Oxygen (O<sub>2</sub>) Sensor Program

## Technology

- 100% OE base sensor program
- Dual OEM shield
- Rolled threads
- Crimped weather shield
- Direct fit style connectors

## Marketing

- Intelligent consolidation opportunities
- Industry exclusive product to serve all makes, all models, and all customers
- Custom sensor manufacturing capabilities for Othermotive® and off-road applications
- O<sub>2</sub> Bungs and kits available when repairing damaged or seized threads
- Industry proven performance - approved by professional technicians nationwide

## Coverage

- 98% coverage of all North American vehicle applications
- Over 1,100 SKUs
- Coverage spanning from 1976 to 2021
- Wideband and air fuel ratio applications included
- O<sub>2</sub> Bung & Bung Kits available in stainless and mild steel



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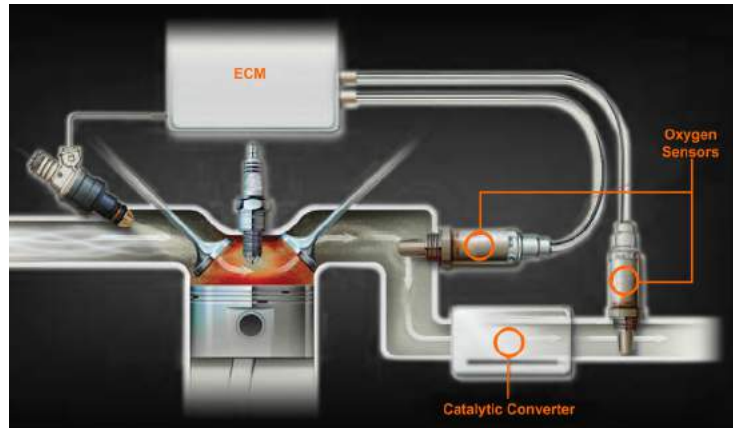


## WHAT DOES YOUR OXYGEN SENSOR DO?

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.

## WHERE IS YOUR OXYGEN SENSOR LOCATED?

Oxygen sensors are located on the exhaust pipe(s). They are screwed into the exhaust pipe via a bung. Each car generally has 1 oxygen sensor located before and after the catalytic converter. For engines with multiple banks, there will be an oxygen sensor before and after the catalytic converter in each bank.



## WHY DO OXYGEN SENSORS FAIL?

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.

## HOW DO YOU KNOW YOUR OXYGEN SENSOR IS FAULTY OR FAILING?

Symptoms of a failing oxygen sensor are surging, hesitation, poor overall performance, falling fuel mileage, rough idling, a failed emissions test, and an inefficient or clogged catalytic converter.

## HOW TO DIAGNOSE A FAULTY OR FAILING OXYGEN SENSOR?

Oxygen sensors can be difficult to diagnose quickly. Please refer to our Oxygen Sensors 101 information booklet for detailed information on how to properly test and diagnose an oxygen sensor. Ask our Customer Service Team or visit our website for more details.

## WHY CHOOSE WALKER PRODUCTS OXYGEN SENSORS?

Walker Products offers the most intelligent O2 program in the industry. Now, you can rely on Walker O2s for guaranteed performance, inventory solutions, and increased category performance.



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## Catalog Guide

### HOW TO USE THIS CATALOG

The Walker Oxygen Sensor Catalog contains six reference sections including:

#### PROGRAM GUIDE:

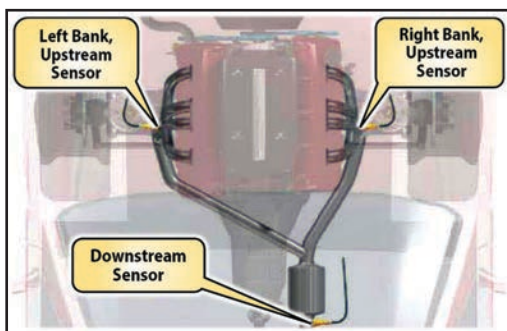
The Program Guide contains a complete direct fit part number listing and information relevant to the design of that part. The universal cross-reference is also part of this guide.

#### BUYER'S GUIDE:

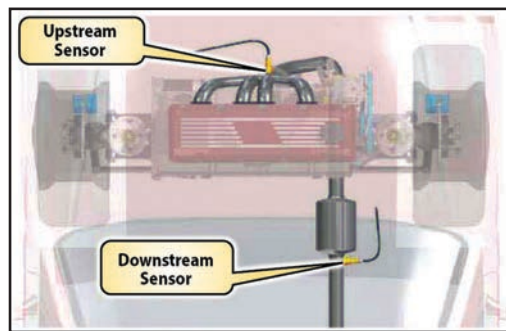
The Universal and Direct Fit Buyer's Guide contains oxygen sensor technical line drawings that include the length of the sensor in inches and millimeters.

#### APPLICATION GUIDE:

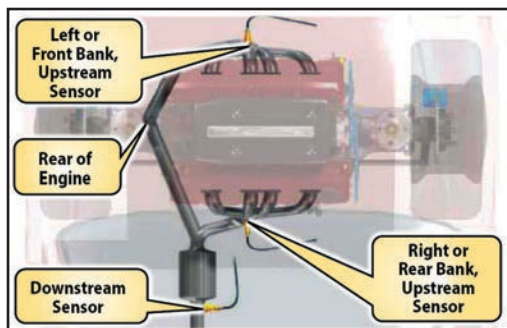
The Application Guide is consolidated by make, model year, engine size, etc. Specific vehicle information is required including engine type and location of the oxygen sensor. The illustrations below should assist with terms, determining engine type and typical locations related to common engine mounting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



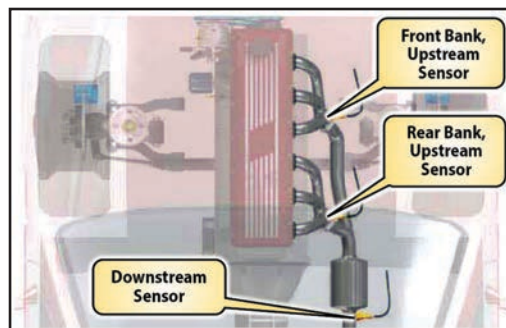
V6, V8, V10 & V12 \*



L4 & L6 - TRANSVERSE \*



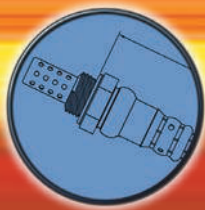
V6 & V8 - TRANSVERSE \*



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.

## YOUR FIRST CHOICE IN QUALITY PRODUCTS



# 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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## 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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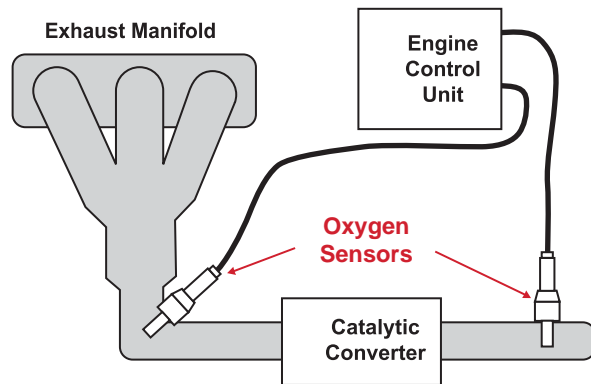


## What is the Life Expectancy of an Oxygen Sensor?

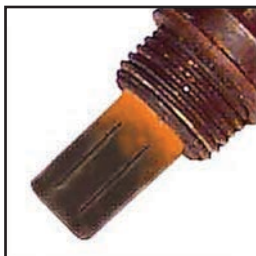
The life expectancy of an oxygen sensor is approximately 30,000 miles for unheated sensors and 60,000 miles for heated sensors. Even under normal operating conditions, oxygen sensors must endure a constant barrage of harmful exhaust gases, extreme heat and high velocity particulates. Longevity of oxygen 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:**



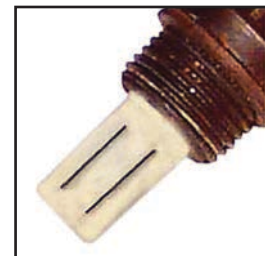
Lead Poisoning



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.

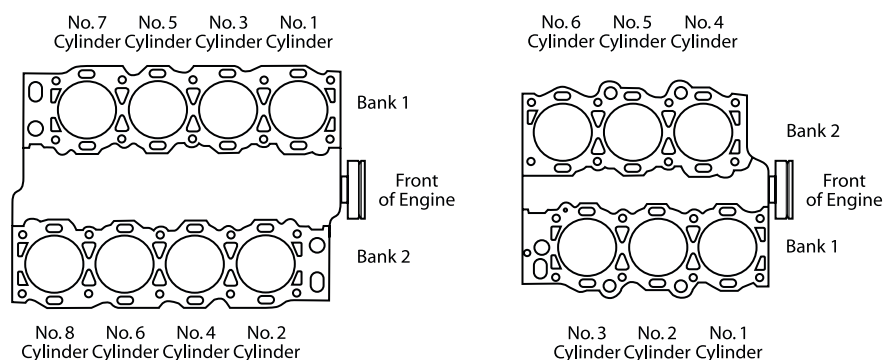
The scan tools or code readers speak OBD II language, meaning the references to the engine are coded.

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 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:  
 WB/ DRK INT TR TP/PS R AXLE TR SPR 1E412 F0054  
 138 C A2 7 19 U GC DOA T0809  
 MADE IN U.S.A. ULC V F8UB-3520472-AB

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	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	250-24119 New	Heated Sensor	4	985	
250-23523	Heated Sensor	3	295	250-23880	250-24121	Heated Sensor	4	650	No Univ.
250-23802	Heated Sensor	3	520	250-23880	250-24123	Heated Sensor	4	740	250-24200
250-23811	Heated Sensor	3	1720	250-23881	250-24125	Heated Sensor	4	555	No Univ.
250-23812	Heated Sensor	3	1900	250-23881	250-24126	Heated Sensor	4	1240	No Univ.
250-23822	Heated Sensor	3	985	No Univ.	250-24127	Heated Sensor	4	500	250-24400
250-23827	Heated Sensor	3	1375	No Univ.	250-24128	Heated Sensor	4	810	250-24400
250-24001	Heated Sensor	4	400	250-24400	250-24129	Heated Sensor	4	500	No Univ.
250-24002	Heated Sensor	4	490	250-24400	250-24130	Heated Sensor	4	660	250-24200
250-24003	Heated Sensor	4	605	250-24400	250-24131	Heated Sensor	4	450	250-24200
250-24004	Heated Sensor	4	300	250-24400	250-24132	Heated Sensor	4	1140	No Univ.
250-24006	Heated Sensor	4	315	No Univ.	250-24133	Heated Sensor	4	890	No Univ.
250-24007	Heated Sensor	4	755	No Univ.	250-24134	Heated Sensor	4	480	No Univ.
250-24009	Heated Sensor	4	220	250-24400	250-24135	Heated Sensor	4	740	No Univ.
250-24011	Heated Sensor	4	300	No Univ.	250-24137	Heated Sensor	4	800	250-24200
250-24012	Heated Sensor	4	375	250-24000	250-24138	Heated Sensor	4	730	250-24000
250-24013	Heated Sensor	4	910	No Univ.	250-24139	Heated Sensor	4	650	250-24400
250-24014	Heated Sensor	4	1495	250-24400	250-24140	Heated Sensor	4	275	No Univ.
250-24015	Heated Sensor	4	375	250-24400	250-24141	Heated Sensor	4	620	No Univ.
250-24016	Heated Sensor	4	680	250-24400	250-24143	Heated Sensor	4	820	No Univ.
250-24017	Heated Sensor	4	555	No Univ.	250-24144	Heated Sensor	4	600	No Univ.
250-24018	Heated Sensor	4	375	No Univ.	250-24145	Heated Sensor	4	1695	No Univ.
250-24019	Heated Sensor	4	375	250-24000	250-24146	Heated Sensor	4	1140	No Univ.
250-24020	Heated Sensor	4	300	No Univ.	250-24147	Heated Sensor	4	740	No Univ.
250-24021	Heated Sensor	4	1425	No Univ.	250-24150	Heated Sensor	4	235	No Univ.
250-24023	Heated Sensor	4	1570	No Univ.	250-24151	Heated Sensor	4	350	250-24050
250-24024	Heated Sensor	4	630	No Univ.	250-24152	Heated Sensor	4	800	No Univ.
250-24025	Heated Sensor	4	825	No Univ.	250-24153	Heated Sensor	4	555	250-24250
250-24026	Heated Sensor	4	985	No Univ.	250-24154	Heated Sensor	4	410	250-24250
250-24030	Heated Sensor	4	1225	No Univ.	250-24155	Heated Sensor	4	655	250-24250
250-24034	Heated Sensor	4	760	No Univ.	250-24156	Heated Sensor	4	325	No Univ.
250-24035	Heated Sensor	4	505	No Univ.	250-24157	Heated Sensor	4	275	No Univ.
250-24038	Heated Sensor	4	350	No Univ.	250-24158	Heated Sensor	4	325	No Univ.
250-24044	Heated Sensor	4	640	No Univ.	250-24159	Heated Sensor	4	925	250-24250
250-24046	Heated Sensor	4	1010	No Univ.	250-24160	Heated Sensor	4	1015	No Univ.
250-24048	Heated Sensor	4	2050	No Univ.	250-24162	Heated Sensor	4	325	No Univ.
250-24049	Heated Sensor	4	325	250-24400	250-24163	Heated Sensor	4	1100	No Univ.
250-24051	Heated Sensor	4	375	No Univ.	250-24169	Heated Sensor	4	275	No Univ.
250-24052	Heated Sensor	4	530	250-24050	250-24170	Heated Sensor	4	925	No Univ.
250-24053	Heated Sensor	4	575	No Univ.	250-24172	Heated Sensor	4	810	250-24000
250-24055	Heated Sensor	4	580	No Univ.	250-24174	Heated Sensor	4	1725	No Univ.
250-24056	Heated Sensor	4	505	No Univ.	250-24177	Heated Sensor	4	1750	No Univ.
250-24059	Heated Sensor	4	250	No Univ.	250-24178	Heated Sensor	4	540	No Univ.
250-24060	Heated Sensor	4	520	250-24200	250-24180	Heated Sensor	4	980	No Univ.
250-24066	Heated Sensor	4	625	No Univ.	250-24183	Heated Sensor	4	375	No Univ.
250-24067	Heated Sensor	4	480	No Univ.	250-24187	Heated Sensor	4	1100	No Univ.
250-24068	Heated Sensor	4	300	No Univ.	250-24188	Heated Sensor	4	800	No Univ.
250-24070	Heated Sensor	4	765	250-24400	250-24189	Heated Sensor	4	605	250-24200
250-24072	Heated Sensor	4	870	No Univ.	250-24192	Heated Sensor	4	525	No Univ.
250-24074	Heated Sensor	4	300	250-24400	250-24194	Heated Sensor	4	885	No Univ.
250-24075	Heated Sensor	4	1290	250-24400	250-24198	Heated Sensor	4	1165	No Univ.
250-24076	Heated Sensor	4	600	250-24400	250-24202	Heated Sensor	4	550	250-24000
250-24081	Heated Sensor	4	310	250-24400	250-24203	Heated Sensor	4	400	No Univ.
250-24082	Heated Sensor	4	910	250-24400	250-24213	Heated Sensor	4	550	No Univ.
250-24083	Heated Sensor	4	630	No Univ.	250-24220	Heated Sensor	4	240	No Univ.
250-24086	Heated Sensor	4	400	250-24400	250-24224	Heated Sensor	4	550	No Univ.
250-24087	Heated Sensor	4	425	250-24000	250-24225	Heated Sensor	4	450	No Univ.
250-24091	Heated Sensor	4	450	No Univ.	250-24226	Heated Sensor	4	705	No Univ.
250-24093	Heated Sensor	4	580	No Univ.	250-24228	Heated Sensor	4	425	No Univ.
250-24095	Heated Sensor	4	630	No Univ.	250-24229	Heated Sensor	4	325	No Univ.
250-24097	Heated Sensor	4	755	No Univ.	250-24230	Heated Sensor	4	475	No Univ.





Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-24231	Heated Sensor	4	385	No Univ.	250-24347	Heated Sensor	4	800	No Univ.
250-24232	Heated Sensor	4	610	No Univ.	250-24348	Heated Sensor	4	890	No Univ.
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.



Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-24428	Heated Sensor	4	970	No Univ.	250-24507	Heated Sensor	4	225	No Univ.
250-24429	Heated Sensor	4	540	No Univ.	250-24508	Heated Sensor	4	505	No Univ.
250-24430	Heated Sensor	4	1620	No Univ.	250-24509	Heated Sensor	4	1050	No Univ.
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.	250-24538 New	Heated Sensor	4	620	
250-24438	Heated Sensor	4	220	No Univ.	250-24546	Heated Sensor	4	650	No Univ.
250-24439	Heated Sensor	4	550	No Univ.	250-24552	Heated Sensor	4	735	250-24400
250-24440	Heated Sensor	4	700	No Univ.	250-24577	Heated Sensor	4	1080	250-24400
250-24441	Heated Sensor	4	900	No Univ.	250-24585	Heated Sensor	4	470	250-24700
250-24442	Heated Sensor	4	525	No Univ.	250-24601	Heated Sensor	4	860	No Univ.
250-24443	Heated Sensor	4	940	250-24200	250-24603	Heated Sensor	4	730	No Univ.
250-24444	Heated Sensor	4	900	No Univ.	250-24605	Heated Sensor	4	330	No Univ.
250-24445	Heated Sensor	4	820	No Univ.	250-24607	Heated Sensor	4	425	No Univ.
250-24446	Heated Sensor	4	600	No Univ.	250-24609	Heated Sensor	4	325	No Univ.
250-24447	Heated Sensor	4	550	No Univ.	250-24610	Heated Sensor	4	480	No Univ.
250-24448	Heated Sensor	4	380	No Univ.	250-24611	Heated Sensor	4	350	No Univ.
250-24449	Heated Sensor	4	1215	No Univ.	250-24612	Heated Sensor	4	400	No Univ.
250-24450	Heated Sensor	4	530	No Univ.	250-24613	Heated Sensor	4	750	No Univ.
250-24451	Heated Sensor	4	910	No Univ.	250-24615	Heated Sensor	4	1850	250-24000
250-24452	Heated Sensor	4	370	No Univ.	250-24616	Heated Sensor	4	1720	250-24000
250-24453	Heated Sensor	4	470	No Univ.	250-24617	Heated Sensor	4	1140	250-24000
250-24454	Heated Sensor	4	385	No Univ.	250-24618	Heated Sensor	4	705	No Univ.
250-24455	Heated Sensor	4	475	No Univ.	250-24619	Heated Sensor	4	325	No Univ.
250-24456	Heated Sensor	4	780	No Univ.	250-24620	Heated Sensor	4	340	No Univ.
250-24457	Heated Sensor	4	360	No Univ.	250-24621	Heated Sensor	4	475	No Univ.
250-24458	Heated Sensor	4	900	No Univ.	250-24623	Heated Sensor	4	680	No Univ.
250-24459	Heated Sensor	4	1210	No Univ.	250-24625	Heated Sensor	4	445	No Univ.
250-24460	Heated Sensor	4	475	No Univ.	250-24626	Heated Sensor	4	1290	250-24000
250-24461	Heated Sensor	4	460	No Univ.	250-24627	Heated Sensor	4	580	No Univ.
250-24462	Heated Sensor	4	525	No Univ.	250-24628	Heated Sensor	4	380	No Univ.
250-24463	Heated Sensor	4	590	No Univ.	250-24629	Heated Sensor	4	325	No Univ.
250-24464	Heated Sensor	4	425	No Univ.	250-24630	Heated Sensor	4	480	No Univ.
250-24465	Heated Sensor	4	500	No Univ.	250-24631	Heated Sensor	4	725	No Univ.
250-24466	Heated Sensor	4	750	No Univ.	250-24632	Heated Sensor	4	1165	No Univ.
250-24468	Heated Sensor	4	900	No Univ.	250-24633	Heated Sensor	4	700	No Univ.
250-24469	Heated Sensor	4	470	No Univ.	250-24634	Heated Sensor	4	250	No Univ.
250-24470	Heated Sensor	4	420	250-24400	250-24636	Heated Sensor	4	870	No Univ.
250-24472	Heated Sensor	4	620	No Univ.	250-24637	Heated Sensor	4	600	No Univ.
250-24473	Heated Sensor	4	350	No Univ.	250-24638	Heated Sensor	4	450	No Univ.
250-24474	Heated Sensor	4	1230	No Univ.	250-24641	Heated Sensor	4	1020	No Univ.
250-24475	Heated Sensor	4	620	No Univ.	250-24644	Heated Sensor	4	800	No Univ.
250-24476	Heated Sensor	4	1070	No Univ.	250-24645	Heated Sensor	4	525	No Univ.
250-24477	Heated Sensor	4	280	No Univ.	250-24646	Heated Sensor	4	440	No Univ.
250-24478	Heated Sensor	4	1120	No Univ.	250-24647	Heated Sensor	4	400	No Univ.
250-24479	Heated Sensor	4	550	No Univ.	250-24648	Heated Sensor	4	575	No Univ.
250-24482	Heated Sensor	4	875	No Univ.	250-24649	Heated Sensor	4	520	No Univ.
250-24483	Heated Sensor	4	800	No Univ.	250-24650	Heated Sensor	4	260	No Univ.
250-24484	Heated Sensor	4	620	No Univ.	250-24651	Heated Sensor	4	320	No Univ.
250-24485	Heated Sensor	4	400	No Univ.	250-24652	Heated Sensor	4	680	No Univ.
250-24486	Heated Sensor	4	540	No Univ.	250-24653	Heated Sensor	4	550	No Univ.
250-24487	Heated Sensor	4	400	250-24400	250-24654	Heated Sensor	4	480	No Univ.
250-24488	Heated Sensor	4	580	250-24200	250-24655	Heated Sensor	4	300	No Univ.
250-24489	Heated Sensor	4	350	No Univ.	250-24656	Heated Sensor	4	400	No Univ.
250-24490	Heated Sensor	4	425	250-24200	250-24657	Heated Sensor	4	1140	No Univ.
250-24491	Heated Sensor	4	380	No Univ.	250-24658	Heated Sensor	4	730	No Univ.
250-24492	Heated Sensor	4	550	No Univ.	250-24659	Heated Sensor	4	1210	No Univ.
250-24493	Heated Sensor	4	1525	No Univ.	250-24660	Heated Sensor	4	460	No Univ.
250-24494	Heated Sensor	4	950	No Univ.	250-24661	Heated Sensor	4	800	No Univ.
250-24495	Heated Sensor	4	500	No Univ.	250-24662	Heated Sensor	4	460	No Univ.
250-24496	Heated Sensor	4	470	No Univ.	250-24664	Heated Sensor	4	750	No Univ.
250-24497	Heated Sensor	4	420	No Univ.	250-24669	Heated Sensor	4	1000	No Univ.
250-24498	Heated Sensor	4	580	No Univ.	250-24670	Heated Sensor	4	1125	No Univ.
250-24499	Heated Sensor	4	620	No Univ.	250-24671	Heated Sensor	4	800	No Univ.
250-24501	Heated Sensor	4	500	No Univ.	250-24672	Heated Sensor	4	800	No Univ.
250-24505	Heated Sensor	4	730	250-24883	250-24675	Heated Sensor	4	475	No Univ.
250-24506	Heated Sensor	4	1160	250-24883	250-24676	Heated Sensor	4	820	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
250-24677	Heated Sensor	4	1000	No Univ.	250-24779	Heated Sensor	4	550	No Univ.
250-24678	Heated Sensor	4	460	No Univ.	250-24780 New	Heated Sensor	4	750	
250-24680	Heated Sensor	4	325	No Univ.	250-24782	Heated Sensor	4	650	No Univ.
250-24682	Heated Sensor	4	775	No Univ.	250-24783	Heated Sensor	4	650	No Univ.
250-24683	Heated Sensor	4	530	No Univ.	250-24784	Heated Sensor	4	550	No Univ.
250-24684	Heated Sensor	4	550	No Univ.	250-24785	Heated Sensor	4	550	No Univ.
250-24685	Heated Sensor	4	1130	No Univ.	250-24786	Heated Sensor	4	350	No Univ.
250-24686	Heated Sensor	4	500	No Univ.	250-24787	Heated Sensor	4	650	No Univ.
250-24687	Heated Sensor	4	475	No Univ.	250-24788	Heated Sensor	4	325	No Univ.
250-24688	Heated Sensor	4	750	No Univ.	250-24789	Heated Sensor	4	475	No Univ.
250-24689	Heated Sensor	4	1900	No Univ.	250-24791	Heated Sensor	4	675	No Univ.
250-24690	Heated Sensor	4	330	No Univ.	250-24794	Heated Sensor	4	475	No Univ.
250-24691	Heated Sensor	4	600	No Univ.	250-24795	Heated Sensor	4	375	No Univ.
250-24692	Heated Sensor	4	470	No Univ.	250-24796	Heated Sensor	4	550	No Univ.
250-24693	Heated Sensor	4	580	No Univ.	250-24797	Heated Sensor	4	500	No Univ.
250-24694	Heated Sensor	4	700	250-24700	250-24798	Heated Sensor	4	600	No Univ.
250-24697	Heated Sensor	4	1700	No Univ.	250-24799	Heated Sensor	4	525	No Univ.
250-24698	Heated Sensor	4	500	No Univ.	250-24804	Heated Sensor	4	520	250-24883
250-24699	Heated Sensor	4	525	No Univ.	250-24810	Heated Sensor	4	990	250-24882
250-24701	Heated Sensor	4	450	250-24200	250-24817	Heated Sensor	4	735	250-24883
250-24703	Heated Sensor	4	430	No Univ.	250-24820	Heated Sensor	4	915	No Univ.
250-24704	Heated Sensor	4	420	No Univ.	250-24823	Heated Sensor	4	1080	No Univ.
250-24707	Heated Sensor	4	750	No Univ.	250-24824	Heated Sensor	4	935	No Univ.
250-24708	Heated Sensor	4	400	No Univ.	250-24833	Heated Sensor	4	225	250-24883
250-24709	Heated Sensor	4	900	No Univ.	250-24835	Heated Sensor	4	475	250-24883
250-24712	Heated Sensor	4	700	No Univ.	250-24836	Heated Sensor	4	350	250-24883
250-24713	Heated Sensor	4	600	No Univ.	250-24837	Heated Sensor	4	650	250-24883
250-24714	Heated Sensor	4	250	No Univ.	250-24838	Heated Sensor	4	675	250-24883
250-24715	Heated Sensor	4	925	No Univ.	250-24839	Heated Sensor	4	800	250-24883
250-24717	Heated Sensor	4	1300	No Univ.	250-24840	Heated Sensor	4	925	250-24883
250-24718	Heated Sensor	4	775	No Univ.	250-24841	Heated Sensor	4	550	250-24883
250-24722	Heated Sensor	4	825	No Univ.	250-24842	Heated Sensor	4	725	250-24883
250-24724	Heated Sensor	4	1350	No Univ.	250-24843	Heated Sensor	4	1250	250-24883
250-24725	Heated Sensor	4	450	No Univ.	250-24845	Heated Sensor	4	300	No Univ.
250-24726	Heated Sensor	4	1325	No Univ.	250-24847	Heated Sensor	4	525	No Univ.
250-24727	Heated Sensor	4	400	No Univ.	250-24849	Heated Sensor	4	400	No Univ.
250-24728	Heated Sensor	4	675	No Univ.	250-24850	Heated Sensor	4	400	No Univ.
250-24729	Heated Sensor	4	975	No Univ.	250-24851	Heated Sensor	4	350	No Univ.
250-24730	Heated Sensor	4	500	No Univ.	250-24852	Heated Sensor	4	400	No Univ.
250-24732	Heated Sensor	4	600	No Univ.	250-24853	Heated Sensor	4	1475	No Univ.
250-24733	Heated Sensor	4	750	250-24400	250-24854	Heated Sensor	4	825	No Univ.
250-24734	Heated Sensor	4	1100	No Univ.	250-24856	Heated Sensor	4	825	No Univ.
250-24736	Heated Sensor	4	400	No Univ.	250-24857	Heated Sensor	4	925	No Univ.
250-24739	Heated Sensor	4	475	No Univ.	250-24859	Heated Sensor	4	900	No Univ.
250-24740	Heated Sensor	4	850	No Univ.	250-24860	Heated Sensor	4	275	No Univ.
250-24741	Heated Sensor	4	475	No Univ.	250-24861	Heated Sensor	4	300	No Univ.
250-24742	Heated Sensor	4	925	No Univ.	250-24864	Heated Sensor	4	575	No Univ.
250-24743	Heated Sensor	4	800	No Univ.	250-24867	Heated Sensor	4	1125	No Univ.
250-24744	Heated Sensor	4	800	No Univ.	250-24868	Heated Sensor	4	850	No Univ.
250-24745	Heated Sensor	4	675	No Univ.	250-24869	Heated Sensor	4	400	No Univ.
250-24746	Heated Sensor	4	350	No Univ.	250-24870	Heated Sensor	4	575	No Univ.
250-24747	Heated Sensor	4	500	No Univ.	250-24871	Heated Sensor	4	725	No Univ.
250-24748	Heated Sensor	4	1250	No Univ.	250-24872	Heated Sensor	4	325	No Univ.
250-24749	Heated Sensor	4	280	No Univ.	250-24873	Heated Sensor	4	1125	No Univ.
250-24751	Heated Sensor	4	925	No Univ.	250-24876 New	Heated Sensor	4	975	
250-24752	Heated Sensor	4	725	No Univ.	250-24878	Heated Sensor	4	600	No Univ.
250-24753	Heated Sensor	4	525	No Univ.	250-24906	Heated Sensor	4	350	No Univ.
250-24755	Heated Sensor	4	975	No Univ.	250-24908	Heated Sensor	4	425	No Univ.
250-24762	Heated Sensor	4	1175	No Univ.	250-24909	Heated Sensor	4	325	No Univ.
250-24764	Heated Sensor	4	675	No Univ.	250-24913	Heated Sensor	4	525	No Univ.
250-24765	Heated Sensor	4	475	No Univ.	250-24914	Heated Sensor	4	525	No Univ.
250-24767	Heated Sensor	4	850	No Univ.	250-24915	Heated Sensor	4	600	No Univ.
250-24768	Heated Sensor	4	525	No Univ.	250-24916	Heated Sensor	4	475	No Univ.
250-24769	Heated Sensor	4	650	No Univ.	250-24917	Heated Sensor	4	350	No Univ.
250-24770	Heated Sensor	4	250	No Univ.	250-24921 New	Heated Sensor	4	1825	
250-24771	Heated Sensor	4	300	No Univ.	250-24924	Heated Sensor	4	350	No Univ.
250-24772	Heated Sensor	4	425	No Univ.	250-24934	Heated Sensor	4	1225	No Univ.
250-24773	Heated Sensor	4	375	No Univ.	250-24935	Heated Sensor	4	950	No Univ.
250-24775	Heated Sensor	4	625	No Univ.	250-24940	Heated Sensor	4	550	250-24400
250-24776	Heated Sensor	4	475	No Univ.	250-24942	Heated Sensor	4	400	No Univ.
250-24777	Heated Sensor	4	480	No Univ.	250-24943	Heated Sensor	4	475	No Univ.



Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number	Direct Fit Part Number	Description	Number Wires	Length mm	Universal Part Number
250-24944	Heated Sensor	4	700	No Univ.	250-241124	Heated Sensor	4	450	No Univ.
250-24945	Heated Sensor	4	850	No Univ.	250-241125	Heated Sensor	4	400	No Univ.
250-24946	Heated Sensor	4	450	No Univ.	250-241126	Heated Sensor	4	325	No Univ.
250-24947	Heated Sensor	4	460	No Univ.	250-241127	Heated Sensor	4	450	250-24200
250-24949	Heated Sensor	4	350	250-24700	250-241128	Heated Sensor	4	400	No Univ.
250-24950	Heated Sensor	4	350	No Univ.	250-241129	Heated Sensor	4	650	250-24883
250-24951	Heated Sensor	4	275	No Univ.	250-241132	Heated Sensor	4	375	No Univ.
250-24953	Heated Sensor	4	600	No Univ.	250-241133	Heated Sensor	4	375	No Univ.
250-24954	Heated Sensor	4	675	No Univ.	250-241138	Heated Sensor	4	325	No Univ.
250-24955	Heated Sensor	4	675	No Univ.	250-241139	Heated Sensor	4	400	No Univ.
250-24958	Heated Sensor	4	450	No Univ.	250-241140	Heated Sensor	4	650	No Univ.
250-24961	Heated Sensor	4	300	250-24400	250-241141	Heated Sensor	4	500	No Univ.
250-24966	Heated Sensor	4	250	250-24400	250-241142	Heated Sensor	4	775	No Univ.
250-24976	Heated Sensor	4	725	No Univ.	250-241143	Heated Sensor	4	425	No Univ.
250-24977 New	Heated Sensor	4	500		250-241144	Heated Sensor	4	975	No Univ.
250-24982	Heated Sensor	4	700	No Univ.	250-241145	Heated Sensor	4	325	No Univ.
250-24983	Heated Sensor	4	325	No Univ.	250-241146	Heated Sensor	4	750	No Univ.
250-24987	Heated Sensor	4	800	No Univ.	250-241147	Heated Sensor	4	1450	No Univ.
250-24988	Heated Sensor	4	625	No Univ.	250-241148	Heated Sensor	4	900	250-24700
250-24989	Heated Sensor	4	450	No Univ.	250-241149	Heated Sensor	4	975	No Univ.
250-24990	Heated Sensor	4	1075	No Univ.	250-241150	Heated Sensor	4	575	No Univ.
250-24991	Heated Sensor	4	750	No Univ.	250-241151	Heated Sensor	4	400	No Univ.
250-24992	Heated Sensor	4	400	No Univ.	250-241152	Heated Sensor	4	700	No Univ.
250-24993	Heated Sensor	4	925	No Univ.	250-241159	Heated Sensor	4	500	No Univ.
250-24994	Heated Sensor	4	700	No Univ.	250-241160	Heated Sensor	4	250	No Univ.
250-24996	Heated Sensor	4	375	No Univ.	250-241161	Heated Sensor	4	550	No Univ.
250-24997	Heated Sensor	4	375	No Univ.	250-241162	Heated Sensor	4	350	No Univ.
250-24998	Heated Sensor	4	450	No Univ.	250-241166 New	Heated Sensor	4	400	
250-24999	Heated Sensor	4	400	No Univ.	250-241175	Heated Sensor	4	550	No Univ.
250-241001	Heated Sensor	4	350	250-24400	250-241176	Heated Sensor	4	375	No Univ.
250-241003	Heated Sensor	4	325	No Univ.	250-241177	Heated Sensor	4	400	No Univ.
250-241010	Heated Sensor	4	800	No Univ.	250-241178	Heated Sensor	4	650	250-24400
250-241023	Heated Sensor	4	700	No Univ.	250-241179	Heated Sensor	4	675	No Univ.
250-241027	Heated Sensor	4	650	No Univ.	250-241180	Heated Sensor	4	425	No Univ.
250-241034	Heated Sensor	4	600	No Univ.	250-241181	Heated Sensor	4	725	No Univ.
250-241035	Heated Sensor	4	700	No Univ.	250-241182	Heated Sensor	4	700	No Univ.
250-241040	Heated Sensor	4	475	No Univ.	250-241183	Heated Sensor	4	400	No Univ.
250-241042	Heated Sensor	4	470	No Univ.	250-241184	Heated Sensor	4	750	No Univ.
250-241045	Heated Sensor	4	700	No Univ.	250-241185	Heated Sensor	4	475	No Univ.
250-241046	Heated Sensor	4	750	No Univ.	250-241186	Heated Sensor	4	450	No Univ.
250-241052	Heated Sensor	4	400	No Univ.	250-241187	Heated Sensor	4	450	No Univ.
250-241054	Heated Sensor	4	425	No Univ.	250-241188	Heated Sensor	4	325	No Univ.
250-241055	Heated Sensor	4	475	No Univ.	250-241189	Heated Sensor	4	350	No Univ.
250-241058 New	Heated Sensor	4	1250		250-241191	Heated Sensor	4	625	250-24200
250-241059	Heated Sensor	4	700	No Univ.	250-241192	Heated Sensor	4	625	No Univ.
250-241068	Heated Sensor	4	700	No Univ.	250-241193	Heated Sensor	4	1150	No Univ.
250-241070	Heated Sensor	4	400	No Univ.	250-241196	Heated Sensor	4	275	No Univ.
250-241071	Heated Sensor	4	1050	No Univ.	250-241198	Heated Sensor	4	450	No Univ.
250-241074	Heated Sensor	4	650	No Univ.	250-241199	Heated Sensor	4	350	No Univ.
250-241075	Heated Sensor	4	750	No Univ.	250-241200	Heated Sensor	4	1075	No Univ.
250-241077	Heated Sensor	4	900	No Univ.	250-241201	Heated Sensor	4	1100	No Univ.
250-241085	Heated Sensor	4	850	250-24400	250-241205	Heated Sensor	4	800	No Univ.
250-241089	Heated Sensor	4	300	No Univ.	250-241206	Heated Sensor	4	275	No Univ.
250-241090 New	Heated Sensor	4	700		250-241207	Heated Sensor	4	500	No Univ.
250-241099	Heated Sensor	4	410	250-24250	250-241208	Heated Sensor	4	425	No Univ.
250-241102	Heated Sensor	4	525	250-24700	250-241209	Heated Sensor	4	475	No Univ.
250-241104	Heated Sensor	4	375	No Univ.	250-241210	Heated Sensor	4	500	No Univ.
250-241105	Heated Sensor	4	300	No Univ.	250-241211	Heated Sensor	4	1025	No Univ.
250-241106	Heated Sensor	4	375	No Univ.	250-241212	Heated Sensor	4	325	No Univ.
250-241107	Heated Sensor	4	400	No Univ.	250-241213	Heated Sensor	4	850	No Univ.
250-241108	Heated Sensor	4	475	No Univ.	250-241214	Heated Sensor	4	550	No Univ.
250-241109	Heated Sensor	4	400	250-24700	250-241215 New	Heated Sensor	4	600	
250-241115	Heated Sensor	4	325	250-24400	250-241216 New	Heated Sensor	4	550	
250-241116	Heated Sensor	4	450	No Univ.	250-241217 New	Heated Sensor	4	375	
250-241117	Heated Sensor	4	460	No Univ.	250-241219	Heated Sensor	4	300	250-24400
250-241118	Heated Sensor	4	460	No Univ.	250-241220 New	Heated Sensor	4	425	
250-241119	Heated Sensor	4	460	250-24200	250-241221	Heated Sensor	4	800	250-24400
250-241120	Heated Sensor	4	610	No Univ.	250-241222 New	Heated Sensor	4	925	
250-241121	Heated Sensor	4	450	No Univ.	250-241223	Heated Sensor	4	675	
250-241122	Heated Sensor	4	1045	No Univ.	250-241224	Heated Sensor	4	725	250-24700
250-241123	Heated Sensor	4	320	No Univ.	250-241225	Heated Sensor	4	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
250-241226	Heated Sensor	4	450	No Univ.	250-25041	Wideband Sensor	5	1325	No Univ.
250-241227	Heated Sensor	4	1450	No Univ.	250-25042	Wideband Sensor	5	375	No Univ.
250-241228 New	Heated Sensor	4	550		250-25043	Wideband Sensor	5	550	No Univ.
250-241230	Heated Sensor	4	625	No Univ.	250-25044	Wideband Sensor	5	700	No Univ.
250-241231	Heated Sensor	4	1075	No Univ.	250-25045	Wideband Sensor	5	825	No Univ.
250-241234	Heated Sensor	4	800	250-24400	250-25046	Wideband Sensor	5	1050	No Univ.
250-241238	Heated Sensor	4	275	No Univ.	250-25047	Wideband Sensor	5	1200	No Univ.
250-241242 New	Heated Sensor	4	900		250-25048	Wideband Sensor	5	1300	No Univ.
250-241245 New	Heated Sensor	4	450		250-25049	Wideband Sensor	5	550	No Univ.
250-241246	Heated Sensor	4	600	No Univ.	250-25050	Wideband Sensor	5	925	No Univ.
250-241247	Heated Sensor	4	400	No Univ.	250-25051	Wideband Sensor	5	1575	No Univ.
250-241252	Heated Sensor	4	400	No Univ.	250-25052	Wideband Sensor	5	1725	No Univ.
250-241253	Heated Sensor	4	575	No Univ.	250-25053	Wideband Sensor	5	1050	No Univ.
250-241254	Heated Sensor	4	475	No Univ.	250-25054	Wideband Sensor	5	1000	No Univ.
250-241255	Heated Sensor	4	400		250-25055	Wideband Sensor	5	425	No Univ.
250-241256	Heated Sensor	4	375		250-25056	Wideband Sensor	5	300	No Univ.
250-241257 New	Heated Sensor	4	700		250-25058	Wideband Sensor	5	850	No Univ.
250-241258	Heated Sensor	4	850		250-25059	Wideband Sensor	5	275	No Univ.
250-241259	Heated Sensor	4	500	No Univ.	250-25060	Wideband Sensor	5	290	No Univ.
250-241261 New	Heated Sensor	4	525		250-25062	Wideband Sensor	5	475	No Univ.
250-241264 New	Heated Sensor	4	425		250-25063	Wideband Sensor	5	325	No Univ.
250-241266 New	Heated Sensor	4	725		250-25064	Wideband Sensor	5	815	No Univ.
250-241267	Heated Sensor	4	400		250-25065	Wideband Sensor	5	700	No Univ.
250-241268 New	Heated Sensor	4	400		250-25066	Wideband Sensor	5	800	No Univ.
250-241269 New	Heated Sensor	4	375		250-25067	Wideband Sensor	5	800	No Univ.
250-241270 New	Heated Sensor	4	550		250-25068	Wideband Sensor	5	500	No Univ.
250-241272 New	Heated Sensor	4	700		250-25069	Wideband Sensor	5	650	No Univ.
250-241273 New	Heated Sensor	4	525		250-25073	Wideband Sensor	5	1050	No Univ.
250-241274 New	Heated Sensor	4	325		250-25077	Wideband Sensor	5	1050	No Univ.
250-241275 New	Heated Sensor	4	1125		250-25078	Wideband Sensor	5	550	No Univ.
250-241276 New	Heated Sensor	4	675		250-25079	Wideband Sensor	5	750	No Univ.
250-241277 New	Heated Sensor	4	275		250-25080	Wideband Sensor	5	1025	No Univ.
250-241278 New	Heated Sensor	4	700		250-25081	Wideband Sensor	5	1300	No Univ.
250-241280 New	Heated Sensor	4	775		250-25082	Wideband Sensor	5	250	No Univ.
250-241281 New	Heated Sensor	4	425		250-25083	Wideband Sensor	5	1050	No Univ.
250-241282 New	Heated Sensor	4	350		250-25084	Wideband Sensor	5	700	No Univ.
250-25001	Wideband Sensor	5	325	No Univ.	250-25085	Wideband Sensor	5	350	No Univ.
250-25002	Wideband Sensor	5	600	No Univ.	250-25086	Wideband Sensor	5	425	No Univ.
250-25003	Wideband Sensor	5	900	No Univ.	250-25087	Wideband Sensor	5	475	No Univ.
250-25004	Wideband Sensor	5	1450	No Univ.	250-25088	Wideband Sensor	5	330	No Univ.
250-25005	Wideband Sensor	5	600	No Univ.	250-25089	Wideband Sensor	5	465	No Univ.
250-25006	Wideband Sensor	5	1200	No Univ.	250-25090	Wideband Sensor	5	550	No Univ.
250-25007	Wideband Sensor	5	850	No Univ.	250-25091	Wideband Sensor	5	550	No Univ.
250-25008	Wideband Sensor	5	1500	No Univ.	250-25092	Wideband Sensor	5	750	No Univ.
250-25009	Wideband Sensor	5	780	No Univ.	250-25093	Wideband Sensor	5	700	No Univ.
250-25010	Wideband Sensor	5	565	No Univ.	250-25095	Wideband Sensor	5	400	No Univ.
250-25011	Wideband Sensor	5	1310	No Univ.	250-25101	Wideband Sensor	5	425	No Univ.
250-25012	Wideband Sensor	5	550	No Univ.	250-25102	Wideband Sensor	5	625	No Univ.
250-25015	Wideband Sensor	5	850	No Univ.	250-25103	Wideband Sensor	5	500	No Univ.
250-25016	Wideband Sensor	5	1000	No Univ.	250-25105	Wideband Sensor	5	475	No Univ.
250-25017	Wideband Sensor	5	650	No Univ.	250-25106	Wideband Sensor	5	750	No Univ.
250-25018	Wideband Sensor	5	1525	No Univ.	250-25107	Wideband Sensor	5	325	No Univ.
250-25019	Wideband Sensor	5	525	No Univ.	250-25108	Wideband Sensor	5	775	No Univ.
250-25020	Wideband Sensor	5	1775	No Univ.	250-25109	Wideband Sensor	5	575	No Univ.
250-25021	Wideband Sensor	5	1900	No Univ.	250-25111	Wideband Sensor	5	900	No Univ.
250-25025	Wideband Sensor	5	500	No Univ.	250-25112	Wideband Sensor	5	700	No Univ.
250-25026	Wideband Sensor	5	800	No Univ.	250-25113	Wideband Sensor	5	575	No Univ.
250-25027	Wideband Sensor	5	925	No Univ.	250-25114	Wideband Sensor	5	900	No Univ.
250-25028	Wideband Sensor	5	1700	No Univ.	250-25115	Wideband Sensor	5	700	No Univ.
250-25029	Wideband Sensor	5	500	No Univ.	250-25118	Wideband Sensor	5	650	No Univ.
250-25030	Wideband Sensor	5	475	No Univ.	250-25119	Wideband Sensor	5	424	No Univ.
250-25031	Wideband Sensor	5	1450	No Univ.	250-25120	Wideband Sensor	5	460	No Univ.
250-25032	Wideband Sensor	5	1275	No Univ.	250-25121	Wideband Sensor	5	650	No Univ.
250-25033	Wideband Sensor	5	900	No Univ.	250-25122	Wideband Sensor	5	300	No Univ.
250-25034	Wideband Sensor	5	400	No Univ.	250-25123	Wideband Sensor	5	850	No Univ.
250-25035	Wideband Sensor	5	725	No Univ.	250-25124	Wideband Sensor	5	725	No Univ.
250-25036	Wideband Sensor	5	950	No Univ.	250-25125	Wideband Sensor	5	300	No Univ.
250-25037	Wideband Sensor	5	1325	No Univ.	250-25126	Wideband Sensor	5	750	No Univ.
250-25038	Wideband Sensor	5	400	No Univ.	250-25127	Wideband Sensor	5	525	No Univ.
250-25039	Wideband Sensor	5	725	No Univ.	250-25128	Wideband Sensor	5	480	No Univ.
250-25040	Wideband Sensor	5	750	No Univ.	250-25129	Wideband Sensor	5	1175	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
250-25130 New	Wideband Sensor	5	475		250-54061	Air/Fuel Sensor	4	475	No Univ.
250-25131	Wideband Sensor	5	575	No Univ.	250-54062	Air/Fuel Sensor	4	300	No Univ.
250-25132	Wideband Sensor	5	375	No Univ.	250-54063	Air/Fuel Sensor	4	225	No Univ.
250-25133	Wideband Sensor	5	975	No Univ.	250-54064	Air/Fuel Sensor	4	275	No Univ.
250-25135	Wideband Sensor	5	525	No Univ.	250-54065	Air/Fuel Sensor	4	300	No Univ.
250-25136	Wideband Sensor	5	625	No Univ.	250-54066	Air/Fuel Sensor	4	375	No Univ.
250-25137	Wideband Sensor	5	325	No Univ.	250-54067	Air/Fuel Sensor	4	500	No Univ.
250-25138	Wideband Sensor	5	300	No Univ.	250-54068	Air/Fuel Sensor	4	600	No Univ.
250-25140	Wideband Sensor	5	305	No Univ.	250-54069	Air/Fuel Sensor	4	450	No Univ.
250-25141	Wideband Sensor	5	300	No Univ.	250-54070	Air/Fuel Sensor	4	225	No Univ.
250-25143 New	Wideband Sensor	5	420		250-54071	Air/Fuel Sensor	4	250	No Univ.
250-25144 New	Wideband Sensor	5	700		250-54072	Air/Fuel Sensor	4	275	No Univ.
250-25145	Wideband Sensor	5	300	No Univ.	250-54073	Air/Fuel Sensor	4	400	No Univ.
250-25146 New	Wideband Sensor	5	875		250-54074	Air/Fuel Sensor	4	200	No Univ.
250-25147 New	Wideband Sensor	5	650		250-54075	Air/Fuel Sensor	4	550	No Univ.
250-25148	Wideband Sensor	5	425	No Univ.	250-54076	Air/Fuel Sensor	4	275	No Univ.
250-25149	Wideband Sensor	5	275	No Univ.	250-54077	Air/Fuel Sensor	4	775	No Univ.
250-25150	Wideband Sensor	5	750	No Univ.	250-54078	Air/Fuel Sensor	4	300	No Univ.
250-25151 New	Wideband Sensor	5	900		250-54079	Air/Fuel Sensor	4	800	No Univ.
250-25152 New	Wideband Sensor	5	425		250-54080	Air/Fuel Sensor	4	225	No Univ.
250-25153 New	Wideband Sensor	5	700		250-54081	Air/Fuel Sensor	4	600	No Univ.
250-25154 New	Wideband Sensor	5	600		250-54082	Air/Fuel Sensor	4	375	No Univ.
250-25155 New	Wideband Sensor	5	450		250-54083	Air/Fuel Sensor	4	325	No Univ.
250-25156 New	Wideband Sensor	5	700		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.
250-54022	Air/Fuel Sensor	4	610	No Univ.	250-54112	Air/Fuel Sensor	4	425	No Univ.
250-54023	Air/Fuel Sensor	4	525	No Univ.	250-54113	Air/Fuel Sensor	4	375	No Univ.
250-54025	Air/Fuel Sensor	4	960	No Univ.	250-54114	Air/Fuel Sensor	4	375	No Univ.
250-54026	Air/Fuel Sensor	4	700	No Univ.	250-54115	Air/Fuel Sensor	4	450	No Univ.
250-54027	Air/Fuel Sensor	4	575	No Univ.	250-54116	Air/Fuel Sensor	4	525	No Univ.
250-54028	Air/Fuel Sensor	4	475	No Univ.	250-54117	Air/Fuel Sensor	4	300	No Univ.
250-54029	Air/Fuel Sensor	4	460	No Univ.	250-54118	Air/Fuel Sensor	4	625	No Univ.
250-54031	Air/Fuel Sensor	4	550	No Univ.	250-54119	Air/Fuel Sensor	4	500	No Univ.
250-54032	Air/Fuel Sensor	4	325	No Univ.	250-54120	Air/Fuel Sensor	4	300	No Univ.
250-54033	Air/Fuel Sensor	4	625	No Univ.	250-54122	Air/Fuel Sensor	4	300	No Univ.
250-54034	Air/Fuel Sensor	4	400	No Univ.	250-54125 New	Air/Fuel Sensor	4	550	
250-54035	Air/Fuel Sensor	4	375	No Univ.	250-54126	Air/Fuel Sensor	4	275	No Univ.
250-54036	Air/Fuel Sensor	4	375	No Univ.	250-54127 New	Air/Fuel Sensor	4	400	
250-54037	Air/Fuel Sensor	4	400	No Univ.	250-54128 New	Air/Fuel Sensor	4	350	
250-54038	Air/Fuel Sensor	4	350	No Univ.	250-54129 New	Air/Fuel Sensor	4	400	
250-54039	Air/Fuel Sensor	4	625	No Univ.					
250-54040	Air/Fuel Sensor	4	425	No Univ.					
250-54041	Air/Fuel Sensor	4	275	No Univ.					
250-54042	Air/Fuel Sensor	4	650	No Univ.					
250-54043	Air/Fuel Sensor	4	475	No Univ.					
250-54044	Air/Fuel Sensor	4	600	No Univ.					
250-54045	Air/Fuel Sensor	4	425	No Univ.					
250-54046	Air/Fuel Sensor	4	375	No Univ.					
250-54050	Air/Fuel Sensor	4	275	No Univ.					
250-54051	Air/Fuel Sensor	4	310	No Univ.					
250-54052	Air/Fuel Sensor	4	420	No Univ.					
250-54053	Air/Fuel Sensor	4	450	No Univ.					
250-54054	Air/Fuel Sensor	4	350	No Univ.					
250-54055	Air/Fuel Sensor	4	350	No Univ.					
250-54056	Air/Fuel Sensor	4	525	No Univ.					
250-54057	Air/Fuel Sensor	4	325	No Univ.					
250-54058	Air/Fuel Sensor	4	800	No Univ.					
250-54059	Air/Fuel Sensor	4	375	No Univ.					



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>ACURA</b>								
<b>CL</b>								
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
<b>CSX</b>								
2011-2006	2.0 L4		K20Z2, K20Z3	Canada		250-54040		250-24798
<b>EL</b>								
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
<b>ILX</b>								
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
2020-2016	2.4 L4		K24V7			250-54038		250-24833
2015-2013	2.4 L4		K24Z7			250-54038		250-24917
<b>Integra</b>								
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		
<b>Legend</b>								
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		
<b>MDX</b>								
2020-2017	3.0 V6		JNA2		Front Rear	250-25059 250-25059		250-24917 250-24787
2020-2017	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
<b>NSX</b>								
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
2020-2017	3.5 V6		JNC1		Left Right	250-25149 250-25149		250-24917 250-241254
<b>RDX</b>								
2020-2019	2.0 L4		K20C4			250-25148		250-241252
2012-2007	2.3 L4		K23A1			250-54110		250-24785
2018-2017	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.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>ACURA (cont'd)</b>								
<b>RL</b>								
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
<b>RLX</b>								
2020-2018	3.5 V6		J35Y4		Front Rear	250-25059 250-25059		
2020-2016	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
<b>RSX</b>								
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
<b>SLX</b>								
1997-1996	3.2 V6	V	6VD1		Left Right	250-24012 250-24012		250-24012 250-24012
1999-1998	3.5 V6	X	6VE1		Left Right	250-24012 250-24012		250-24012 250-24012
<b>TL</b>								
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
<b>TLX</b>								
2020-2015	2.4 L4		K24W7			250-54038		250-24917
2020-2016	3.5 V6		J35Y6	AWD AWD	Front Rear	250-25059 250-25059		250-24833 250-24785
2020	3.5 V6		J35Y6		Front Rear	250-25059 250-25059		250-24833 250-24785
2019-2015	3.5 V6		J35Y6		Front Rear	250-25059 250-25059		250-24917 250-24785
<b>TSX</b>								
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.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>ACURA (cont'd)</b>								
<b>Vigor</b>								
1994-1992	2.5 L5		G25A1			250-24011		
<b>ZDX</b>								
2013-2010	3.7 V6		J37A5		Front Rear	250-25059 250-25059		250-24915 250-24785
<b>ALFA ROMEO</b>								
<b>4C</b>								
2018-2015	1.7 L4		EBC			250-25049		250-241211
<b>164</b>								
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		
<b>Giulia</b>								
2020-2017	2.0 L4	N	EC2			250-25062		250-241045
2019-2017	2.9 V6	V	EED		Left Right	250-25108 250-25108		250-241211 250-241211
<b>GTV-6</b>								
1986-1983	2.5 V6					250-23027		
1982-1981	2.5 V6					250-21015		
<b>Milano</b>								
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		
<b>Spider</b>								
1994-1990	2.0 L4	2				250-23048		
1989-1986	2.0 L4					250-23027		
1985-1982	2.0 L4					250-21015		
<b>Stelvio</b>								
2020-2018	2.0 L4	N	EC2			250-25062		250-241045
2019-2018	2.9 V6	V	EED		Left Right	250-25108 250-25108		250-241211 250-241211
<b>AMERICAN MOTORS</b>								
<b>AMX</b>								
1980	4.2 L6	C				250-22007		
<b>Concord</b>								
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		
<b>Eagle</b>								
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		
<b>Pacer</b>								
1980	4.2 L6	C				250-22007		
<b>Spirit</b>								
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		



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AM GENERAL</b>								
<b>Hummer</b>								
1996-1995	5.7 V8	D				250-21001		
<b>ASTON MARTIN</b>								
<b>DB7</b>								
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
<b>DB9</b>								
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
<b>Vanquish</b>								
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
<b>AUDI</b>								
<b>80</b>								
1990-1988	2.0 L4	A, B	3A			250-23048		
1992-1991	2.3 L5	C, D	NG			250-23048		
<b>80 Quattro</b>								
1992-1988	2.3 L5	C, D	NG			250-23048		
<b>90</b>								
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		
<b>90 Quattro</b>								
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		
<b>100</b>								
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		
<b>100 Quattro</b>								
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		
<b>200</b>								
1991-1989	2.2 L5	C, D	MC			250-23048		
<b>200 Quattro</b>								
1991-1989	2.2 L5	C, D, E	3B, MC			250-23048		
<b>4000</b>								
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>4000 (cont'd)</b>								
1986-1984	2.2 L5	C	KX, WE	Canada		250-21011		
1983-1980	2.2 L5		WE			250-21011		
<b>4000 Quattro</b>								
1987-1984	2.2 L5	B	JT			250-21011		
<b>5000</b>								
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	C	WD, WE, WK			250-21011		
1988-1987	2.3 L5	B, C	NF			250-23048		
<b>5000 Quattro</b>								
1988-1986	2.2 L5	D, E	MC			250-23048		
1988-1987	2.3 L5	B, C	NF			250-23048		
<b>A1</b>								
2016	1.4 L4					250-25092		250-241089
2015	1.4 L4					250-25040		
2013	1.4 L4					250-25040		
<b>A3</b>								
2016-2015	1.8 L4		CNSB			250-25115		250-241142
2020-2018	2.0 L4		CZRA			250-25153		250-241142
2017	2.0 L4		CZRA			250-25112		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
2005-2004	2.0 L4					250-25040		250-24717
<b>A3 Quattro</b>								
2019	2.0 L4		DHHA			250-25156		250-241280
2018	2.0 L4		CNTC			250-25153		250-241142
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	250-25026 250-25035		250-24954 250-24699
<b>A3 Sportback e-tron</b>								
2018-2016	1.4 L4		CXUA	Hybrid		250-25017		250-241201
<b>A4</b>								
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	-	AEB			250-24417		250-24147
1997	1.8 L4	-	AEB			250-24146		250-24147
2020	2.0 L4		DBPA			250-25120		250-241273
2019	2.0 L4		DBPA	From 06/04/2018		250-25120		250-241273
2019	2.0 L4		DBPA	To 06/04/2018		250-25120		250-241143
2018-2017	2.0 L4		CYMC			250-25113		250-241143
2018	2.0 L4		DBPA			250-25120		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			250-24395		250-24414
						250-24395		250-24414
1999-1997	2.8 V6	A, D	AHA		Left Right	250-24147		250-24174
						250-24147		250-24174
1997-1996	2.8 V6	A	AFC		Left Right	250-23113		250-24174
						250-23113		250-24174
2005	3.0 V6		BGN		Left Right	250-25007		250-24432
						250-25007		250-24432
2004-2002	3.0 V6	T	AVK		Left Right	250-25007		250-24689
						250-25007		250-24689
2008-2006	3.2 V6		BKH		Left Right	250-25017		250-24953
						250-25017		250-24669

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>A4 allroad</b>								
2020	2.0 L4		CYMC			250-25113		250-241273
2019	2.0 L4		CYMC	From 06/04/2018		250-25120		250-241273
2019	2.0 L4		CYMC	To 06/04/2018		250-25120		250-241143
2018-2017	2.0 L4		CYMC			250-25113		250-241143
<b>A4 Quattro</b>								
2005-2001	1.8 L4	C	AMB, AWM			250-25008		250-24689
2000-1998	1.8 L4	-	AEB			250-24417		250-24147
2000	1.8 L4	C	ATW			250-24689		250-24689
1997	1.8 L4	-	AEB			250-24146		250-24147
2020	2.0 L4		CYMC			250-25113		250-241273
2019	2.0 L4		CYMC	From 06/04/2018		250-25120		250-241273
2019	2.0 L4		CYMC	To 06/04/2018		250-25120		250-241143
2018-2017	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
1997-1996	2.8 V6	A	AFC		Left Right	250-23113 250-23113		250-24174 250-24174
2014	3.0 V6		CMUA		Left Right	250-25017 250-25017		250-24753 250-24753
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	3.2 V6		CALA		Left Right	250-25017 250-25017		250-24753 250-24753
2009	3.2 V6		BKH	Cabriolet Cabriolet	Left Right	250-25017 250-25017		250-24953 250-24669
2008-2005	3.2 V6		BKH		Left Right	250-25017 250-25017		250-24953 250-24669
<b>A5</b>								
2016-2010	2.0 L4		CAEB, CAED, CDNC			250-25040		250-24672
<b>A5 Quattro</b>								
2020	2.0 L4		CYMC			250-25113		250-241273
2019	2.0 L4		CYMC	From 06/04/2018		250-25113		250-241273
2019	2.0 L4		CYMC	To 06/04/2018		250-25113		250-241143
2018	2.0 L4		CYMC			250-25113		250-241143
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
<b>A5 Sportback</b>								
2020	2.0 L4		CYMC			250-25113		250-241273
2019	2.0 L4		CYMC	From 06/04/2018		250-25113		250-241273
2019	2.0 L4		CYMC	To 06/04/2018		250-25113		250-241143
2018	2.0 L4		CYMC			250-25113		250-241143
<b>A6</b>								
2018-2016	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		
2016	3.0 V6		CGWD		Left Right	250-25017 250-25017		250-241089 250-241089

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>A6 (cont'd)</b>								
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, CALA		Left Right	250-25017 250-25017		250-24953 250-24669
<b>A6 allroad</b>								
2021-2020	3.0 V6		DLZA	Hybrid		250-25154		250-241280
<b>A6 Quattro</b>								
2020	2.0 L4		DLHB			250-25143		
2019	2.0 L4		DLHB	From 09/17/2018		250-25143		
2018-2016	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		
2021-2019	3.0 V6		DLZA	Hybrid		250-25154		250-241280
2018-2016	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
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
<b>A7 Quattro</b>								
2018-2016	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
<b>A7 Sportback</b>								
2021	2.0 L4		DLGA	Hybrid		250-25143		
2021	3.0 V6		DLZA	Hybrid		250-25154		250-241280
<b>A8</b>								
1999-1997	3.7 V8	F	AEW		Left Right	250-24147 250-24147		250-24416 250-24416
<b>A8 Quattro</b>								
2021-2020	3.0 V6		CZSE	Hybrid		250-25154		250-241280
2019	3.0 V6		CZSE	Hybrid; From 09/27/2018		250-25154		250-241280
2019	3.0 V6		CZSE	Hybrid; To 09/27/2018		250-25147		250-241280
2018	3.0 V6		CREC		Left Right	250-25017 250-25017		250-241089 250-241089
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>A8 Quattro (cont'd)</b>								
2014-2013	3.0 V6		CTUB		Left Right	250-25064 250-25064		250-24753 250-24753
2018-2013	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
2003-2001	4.2 V8	L	AUX		Left Right	250-24393 250-24393		250-24430 250-24430
2003-2000	4.2 V8	L	AKB		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 From Chassis/VIN #4E7017 001	Cyl 1-3 Cyl 4-6	250-25019 250-25028		250-24493 250-24697
2007	6.0 W12		BSB	From Chassis/VIN #4E7017 001 From Chassis/VIN #4E7017 001	Cyl 7-9 Cyl 10-12	250-25028 250-25028		250-24689 250-24689
2007	6.0 W12		BSB	To Chassis/VIN #4E7017 000 To Chassis/VIN #4E7017 000	Cyl 1-3 Cyl 4-6	250-25002 250-25007		250-24493 250-24697
2007	6.0 W12		BSB	To Chassis/VIN #4E7017 000 To Chassis/VIN #4E7017 000	Cyl 7-9 Cyl 10-12	250-25021 250-25020		250-24689 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		Cl 1,3,5 Cl 2,4,6	250-25033 250-25040		250-241142 250-241181
2016-2015	6.3 W12		CTNA		Cl 7,9,11 Cl 8,10,12	250-25040 250-25040		250-241181 250-241181
2014-2012	6.3 W12		CEJA		Cl 1,3,5 Cl 2,4,6	250-25114 250-25118		250-24955 250-241181
2014-2012	6.3 W12		CEJA		Cl 7,9,11 Cl 8,10,12	250-25118 250-25111		250-24671 250-24954
<b>allroad</b>								
2016-2013	2.0 L4		CPMA, CPMB			250-25040		250-24672
<b>Allroad Quattro</b>								
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
2003	4.2 V8		BAS		Left Right	250-25002 250-25002		250-24493 250-24493
<b>Cabriolet</b>								
1998-1994	2.8 V6	A, L	AAH, AFC		Left Right	250-23028 250-23028		250-24417 250-24417
<b>Coupe</b>								
1987-1981	2.2 L5	A, D, E	KX, WE			250-21011		
1987	2.3 L5	C	NG			250-23048		
<b>Coupe Quattro</b>								
1991-1990	2.3 L5	E	7A			250-23048		
<b>Q3</b>								
2020-2019	2.0 L4		DHHA			250-25156		
2018-2015	2.0 L4		CCTA			250-25049		250-24672
2015-2013	2.0 L4					250-25040		250-24672
<b>Q3 Quattro</b>								
2018-2015	2.0 L4		CCTA			250-25049		250-24672

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>Q5</b>								
2020	2.0 L4		DJYA			250-25143		
2019	2.0 L4		DJYA	From 11/12/2018		250-25113		
2019	2.0 L4		DJYA	To 11/12/2018		250-25113		250-241273
2018	2.0 L4		DAYB			250-25113		250-241273
2017-2011	2.0 L4		CAEB, CPMA, CPMB			250-25040		250-24672
2016-2013	2.0 L4		CHJA	Hybrid		250-25113		250-24672
2017-2013	3.0 V6		CTUC		Left Right	250-25017 250-25017		250-24753 250-24753
2016-2015	3.0 V6		CPNB	Diesel		250-25040		
2015-2014	3.0 V6					250-25040		
2011	3.0 V6			Diesel				250-25017
2012-2009	3.2 V6		CALB		Left Right	250-25017 250-25017		250-24753 250-24753
<b>Q5 PHEV</b>								
2020	2.0 L4		DLGA	Hybrid		250-25143		
<b>Q7</b>								
2020	2.0 L4		DMFB			250-25113		250-241273
2019	2.0 L4		CYMC	From 05/28/2018		250-25113		250-241273
2019	2.0 L4		CYMC	To 05/28/2018		250-25113		250-241143
2018-2017	2.0 L4		CYMC			250-25113		250-241143
2021-2020	3.0 V6		DCBD	Hybrid		250-25154		
2019-2017	3.0 V6		CREC		Left Right	250-25017 250-25017		250-241089 250-241089
2016	3.0 V6				Left Right	250-25017 250-25017		
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
<b>Q8</b>								
2021-2019	3.0 V6		DCBD	Hybrid		250-25154		
<b>Quattro</b>								
1986	2.2 L5	C	WX	Canada		250-21011		
1985-1983	2.2 L5	C	WX			250-21011		
<b>R8</b>								
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
2021-2020	5.2 V10		DKAA, DKAC		Left Right	250-25034 250-25049		250-241142 250-241142
2018-2017	5.2 V10		CSPA, CSPB, DKAA, DKAB		Left Right	250-25034 250-25049		250-241142 250-241142
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
<b>RS3</b>								
2020-2017	2.5 L5		DAZA			250-25147		250-241222
<b>RS4</b>								
2008-2007	4.2 V8		BNS		Left Right	250-25028 250-25028		250-24954 250-24699
<b>RS5</b>								
2021	2.9 V6		DECA		Left Right	250-25147 250-25154		250-241222 250-241280
2019	2.9 V6		DECA	From 09/27/2018	Left	250-25147		250-241222
2019	2.9 V6		DECA	From 09/27/2018	Right	250-25154		250-241280
2019	2.9 V6		DECA	To 09/27/2018	Left	250-25147		250-241222
2019	2.9 V6		DECA	To 09/27/2018	Right	250-25147		250-241280
2018	2.9 V6		DECA	From 06/26/2017	Left	250-25147		250-241222
2018	2.9 V6		DECA	From 06/26/2017	Right	250-25147		250-241280
2018	2.9 V6		DECA	To 06/26/2017	Left	250-25147		250-241222
2018	2.9 V6		DECA	To 06/26/2017	Right	250-25147		250-241222

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>RS5 (cont'd)</b>								
2015-2014	4.2 V8		CFSA		Cabriolet	Left		250-24672
					Cabriolet	Right		250-24672
2015-2013	4.2 V8		CFSA			Left		250-24692
						Right		250-24692
<b>RS5 Sportback</b>								
2021	2.9 V6		DECA			Left		250-241222
						Right		250-241280
2019	2.9 V6		DECA	From 09/27/2018		Left		250-241222
				From 09/27/2018		Right		250-241280
2019	2.9 V6		DECA	To 09/27/2018		Left		250-241222
				To 09/27/2018		Right		250-241280
<b>RS6</b>								
2004-2003	4.2 V8		BCY			Left		250-24414
						Right		250-24414
<b>RS7</b>								
2018	4.0 V8		CWUB			Left		250-24955
						Right		250-24955
2017-2014	4.0 V8		CRDB, CWUB, CWUC			Left		250-24954
						Right		250-24955
<b>S3</b>								
2020-2019	2.0 L4		DLRA					250-241280
2018	2.0 L4		DJJA					250-241142
2017-2015	2.0 L4		CYFB					250-241142
<b>S4</b>								
1994-1992	2.2 L5	P, R	AAN					250-23102
2002-2000	2.7 V6	D	APB			Left		250-24414
						Right		250-24414
2021-2020	3.0 V6		CWGD					250-241280
2019	3.0 V6		CWGD	From 09/27/2018				250-241280
2019	3.0 V6		CWGD	To 09/27/2018				250-241280
2018	3.0 V6		CWGD					250-241280
2016-2015	3.0 V6		CTUB			Left		250-24753
						Right		250-24753
2016	3.0 V6		CGWC			Left		250-24753
						Right		250-24753
2014	3.0 V6					Left		250-24753
						Right		250-24753
2013-2010	3.0 V6		CCBA, CGXC			Left		250-24753
						Right		250-24753
2009-2004	4.2 V8		BHF			Left		250-24689
						Right		250-24689
<b>S5</b>								
2021-2020	3.0 V6		CWGD					250-241280
2019	3.0 V6		CWGD	From 09/27/2018				250-241280
2019	3.0 V6		CWGD	To 09/27/2018				250-241280
2018	3.0 V6		CWGD					250-241280
2017-2015	3.0 V6		CTUB			Left		250-24753
						Right		250-24753
2014	3.0 V6					Left		250-24753
						Right		250-24753
2013-2010	3.0 V6		CAKA, CCBA, CGXC			Left		250-24753
						Right		250-24753
2012	4.2 V8		CAUA			Left		250-24672
						Right		250-24672
2011-2008	4.2 V8		CAUA			Left		250-24692
						Right		250-24692
<b>S5 Sportback</b>								
2021-2020	3.0 V6		CWGD					250-241280
2019	3.0 V6		CWGD	From 09/27/2018				250-241280
2019	3.0 V6		CWGD	To 09/27/2018				250-241280
2018	3.0 V6		CWGD					250-241280
<b>S6</b>								
1997-1996	2.2 L5	A	AAN	Canada				250-23019
1995	2.2 L5	A	AAN					250-23102
2021-2020	2.9 V6		DKMB	Hybrid	Left			250-25147
				Hybrid	Right			250-25154



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>S6 (cont'd)</b>								
2018-2015	4.0 V8		CEUC, CTGE		Left Right	250-25113 250-25112		250-24954 250-24955
2014	4.0 V8		CEUC		Right	250-25112		250-24955
2014	4.0 V8		CEUC		Left Left	250-25112		250-24672 250-24954
2014	4.0 V8		CEUC		Left Right	250-25113		250-24672
2013	4.0 V8		CEUC		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
<b>S7</b>								
2020	2.9 V6		DKMB	Hybrid	Left Right	250-25147 250-25154		250-241280
2018-2013	4.0 V8		CEUC, CTGE		Left Right	250-25113 250-25112		250-24954 250-24955
<b>S7 Sportback</b>								
2021	2.9 V6		DKMB	Hybrid	Left Right	250-25147 250-25154		250-241280
<b>S8</b>								
2018-2013	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
<b>SQ5</b>								
2021-2020	3.0 V6		CWGD			250-25154		250-241280
2019	3.0 V6		CWGD	From 09/27/2018		250-25154		250-241280
2019	3.0 V6		CWGD	To 09/27/2018		250-25147		250-241280
2018	3.0 V6		CWGD			250-25147		250-241280
2017-2014	3.0 V6		CTUD		Left Right	250-25017 250-25017		250-24753 250-24753
<b>SQ5 Sportback</b>								
2021	3.0 V6		CWGD			250-25154		250-241280
<b>TT</b>								
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
<b>TT Quattro</b>								
2006-2003	1.8 L4		BEA			250-25007		250-24432
2002-2001	1.8 L4	C, X	AWP			250-25008		250-24432
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
2021-2019	2.0 L4		DHHA			250-25156		250-241280
2018-2016	2.0 L4		CNTC			250-25112		250-241142
2015-2009	2.0 L4		CCTA, CDMA, CETA			250-25035		250-24717

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>AUDI (cont'd)</b>								
<b>TT Quattro (cont'd)</b>								
2009-2008	3.2 V6		CBRA		Left Right	250-25037 250-25040		250-24755 250-24762
2006-2004	3.2 V6		BHE		Left Right	250-25008 250-25004		250-24494 250-24432
<b>TT RS Quattro</b>								
2020	2.5 L5		DAZA	To 03/16/2020		250-25147		250-241222
2019-2018	2.5 L5		DAZA			250-25147		250-241222
<b>TTS Quattro</b>								
2021-2019	2.0 L4		DLRA			250-25156		250-241280
2018-2016	2.0 L4		CYFB			250-25112		250-241142
<b>V8 Quattro</b>								
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		
<b>BENTLEY</b>								
<b>Arnage</b>								
2004-2003	6.8 V8				Left Right	250-24495 250-24495		250-24495 250-24495
<b>Continental</b>								
2003	6.0 W12				Left Right	250-25008 250-25003		250-24493 250-24493
<b>Turbo R</b>								
1994	6.8 V8					250-24046		
1993	6.8 V8			From 04/93		250-24046		
<b>BMW</b>								
<b>1 Series M</b>								
2011	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
<b>118i</b>								
2015-2012	1.6 L4					250-25087		250-241090
<b>125i</b>								
2013-2012	3.0 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
<b>128i</b>								
2013-2011	3.0 L6		N51B30A, N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2010-2008	3.0 L6				Front Rear	250-25018 250-25046		250-24713 250-24465
<b>130i</b>								
2010-2006	3.0 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
<b>135i</b>								
2013-2011	3.0 L6		N55B30A			250-25106		250-24991
2010-2008	3.0 L6		N54B30A		Front Rear	250-25018 250-25047		250-24713 250-24465
<b>135is</b>								
2013	3.0 L6		N55B30A			250-25106		250-24991
<b>228i</b>								
2016-2014	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
<b>228i xDrive</b>								
2016-2015	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
<b>228i xDrive Gran Coupe</b>								
2021-2020	2.0 L4		B46A20B					250-241272
<b>230i</b>								
2021-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>230i xDrive</b>								
2021-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>318i</b>								
1995-1992	1.8 L4		M42			250-24607		
1991	1.8 L4		M42			250-24824		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>318i (cont'd)</b>								
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
<b>318is</b>								
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
<b>318ti</b>								
1995	1.8 L4		M42			250-24607		
1999-1996	1.9 L4		M44			250-24611		250-24390
<b>320i</b>								
1983-1980	1.8 L4		M10			250-21015		
2018-2013	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				Cyl 1-3 Cyl 4-6	250-24611		250-24392
2005-2001	2.2 L6					250-24611		250-24392
<b>320i xDrive</b>								
2018-2013	2.0 L4		N20B20A			250-25089		250-241027
<b>323Ci</b>								
2000	2.5 L6		M52		Cyl 1-3 Cyl 4-6	250-24611		250-24392
2000	2.5 L6		M52			250-24611		250-24392
<b>323i</b>								
2011-2010	2.5 L6		N52N	Canada	Cyl 1-3 Cyl 4-6	250-25018		250-24465
				Canada		250-25046		250-24713
2009-2007	2.5 L6		N52N	Canada	Cyl 1-3	250-25018		250-24464
				Canada	Cyl 4-6	250-25046		250-24465
2006	2.5 L6		N52	Canada: From 12/05	Cyl 1-3	250-25018		250-24464
				Canada: From 12/05	Cyl 4-6	250-25046		250-24465
2006	2.5 L6		N52	Canada: To 12/05	Cyl 1-3	250-25042		250-24464
				Canada: To 12/05	Cyl 4-6	250-25042		250-24465
2001-2000	2.5 L6				Left Right	250-24611		250-24392
						250-24611		250-24392
1999	2.5 L6			Convertible		250-24810		250-24810
1999	2.5 L6			Sedan	Left	250-24611		250-24392
				Sedan	Right	250-24611		250-24392
1998	2.5 L6					250-24516		250-24810
1997	2.5 L6					250-24810		250-24876
<b>323is</b>								
1999-1998	2.5 L6		M52		Cyl 1-3 Cyl 4-6	250-24810		250-24516
1999-1998	2.5 L6		M52			250-24810		250-24516
<b>325</b>								
1988	2.7 L6		M20			250-23016		
1987-1986	2.7 L6		M20			250-24310		
<b>325Ci</b>								
2006-2004	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-25016		250-24677
						250-25016		250-24677
2003	2.5 L6		M56		Cyl 1-3	250-25004		250-24677
					Cyl 4-6	250-25004		250-24677
2003	2.5 L6		M54	From 03/2003	Cyl 1-3	250-25016		250-24677
				From 03/2003	Cyl 4-6	250-25016		250-24677
2003	2.5 L6		M54	To 03/2003	Cyl 1-3	250-24611		250-24392
				To 03/2003	Cyl 4-6	250-24611		250-24392
2002-2001	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-24611		250-24392
2002-2001	2.5 L6		M54			250-24611		250-24392
<b>325e</b>								
1987-1984	2.7 L6		M20			250-23016		
<b>325es</b>								
1987-1986	2.7 L6		M20			250-23016		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>325i</b>								
2011-2006	2.5 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
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
1997-1996	2.5 L6				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		
2013-2011	3.0 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24997 250-24997
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
<b>325is</b>								
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		
<b>325iX</b>								
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		
<b>325xi</b>								
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
<b>328Ci</b>								
2000	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
<b>328d</b>								
2018-2014	2.0 L4		N47D20	Diesel, before DEF injection			250-25043	250-25046
2017-2014	2.0 L4		N47D20	Diesel, after Particulate Filter				
2017-2014	2.0 L4		N47D20	Diesel, before Particulate Filter		250-25042		
<b>328d xDrive</b>								
2018-2014	2.0 L4		N47D20	Diesel, before DEF injection			250-25043	250-25046
2017-2014	2.0 L4		N47D20	Diesel, after Particulate Filter				
2017-2014	2.0 L4		N47D20	Diesel, before Particulate Filter		250-25042		
<b>328i</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>328i GT xDrive</b>								
2016-2014	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
<b>328is</b>								
1999-1996	2.8 L6		M52		Cyl 1-3 Cyl 4-6	250-24810 250-24810		250-24810 250-24810
<b>328i xDrive</b>								
2016-2013	2.0 L4		N20B20A, N26B20A		Cyl 1-3 Cyl 4-6	250-25089		250-241027
2013-2011	3.0 L6		N51B30A, N52			250-25018 250-25046		250-24713 250-24465
2010-2009	3.0 L6				Left Right	250-25018 250-25046		250-24713 250-24465
<b>328xi</b>								
2008-2007	3.0 L6		N51B30A, N52		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
<b>330Ci</b>								
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
<b>330e</b>								
2018-2016	2.0 L4		B48A20M0	Hybrid		250-25131		250-241213
<b>330i</b>								
2019-2017	2.0 L4		B46B2000		Cyl 1-3 Cyl 4-6	250-25131		250-241213
2006	3.0 L6		N52	From 11/2005 From 11/2005		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
<b>330i GT xDrive</b>								
2019-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>330i xDrive</b>								
2019-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>330xi</b>								
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
<b>335d</b>								
2011-2009	3.0 L6		M57T2D30	Diesel		250-25035		
<b>335i</b>								
2015-2014	3.0 L6		N55B30A		Cyl 1-3 Cyl 4-6	250-25089		250-241161
2013-2011	3.0 L6		N55B30A			250-25106		250-24991
2010-2007	3.0 L6		N54B30A			250-25018 250-25047		250-24713 250-24465
<b>335i GT xDrive</b>								
2016-2014	3.0 L6		N55B30A			250-25106		250-24991
<b>335is</b>								
2013-2011	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
<b>335i xDrive</b>								
2015-2014	3.0 L6		N55B30A			250-25089		250-241161
2013-2011	3.0 L6		N55B30A			250-25106		250-24993

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>335i xDrive (cont'd)</b>								
2010-2009	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
<b>335xi</b>								
2008-2007	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
<b>340i</b>								
2018-2016	3.0 L6		B58B30M0			250-25132		250-241214
<b>340i GT xDrive</b>								
2019-2017	3.0 L6		B58B30M0			250-25132		250-241214
<b>340i xDrive</b>								
2018-2016	3.0 L6		B58B30M0			250-25132		250-241214
<b>428i</b>								
2016-2014	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
<b>428i Gran Coupe</b>								
2016-2015	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
<b>428i xDrive</b>								
2016-2014	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
<b>428i xDrive Gran Coupe</b>								
2016-2015	2.0 L4		N20B20A, N26B20A			250-25089		250-241027
<b>430i</b>								
2020-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>430i Gran Coupe</b>								
2020-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>430i xDrive</b>								
2020-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>430i xDrive Gran Coupe</b>								
2020-2017	2.0 L4		B46B2000			250-25131		250-241213
<b>435i</b>								
2016-2014	3.0 L6		N55B30A			250-25089		250-241161
<b>435i Gran Coupe</b>								
2016-2015	3.0 L6		N55B30A			250-25089		250-241161
<b>435i xDrive</b>								
2016-2014	3.0 L6		N55B30A			250-25089		250-241161
<b>435i xDrive Gran Coupe</b>								
2016-2015	3.0 L6		N55B30A			250-25089		250-241161
<b>440i</b>								
2020-2017	3.0 L6		B58B30M0			250-25132		250-241214
<b>440i Gran Coupe</b>								
2020-2017	3.0 L6		B58B30M0			250-25132		250-241214
<b>440i xDrive</b>								
2020-2017	3.0 L6		B58B30M0			250-25132		250-241214
<b>440i xDrive Gran Coupe</b>								
2020-2017	3.0 L6		B58B30M0			250-25132		250-241214
<b>525i</b>								
2009-2006	2.5 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
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		M50TU			250-24021		
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	Cyl 1-3	250-25018		250-24464
				From 11/2005	Cyl 4-6	250-25046		250-24465
2006	3.0 L6		N52	To 11/2005	Cyl 1-3	250-25042		250-24464
				To 11/2005	Cyl 4-6	250-25042		250-24465

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>525iT</b>								
1993	2.5 L6		M50TU			250-24021		
<b>525xi</b>								
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
<b>528e</b>								
1988	2.7 L6		M20			250-24310		
1987-1982	2.7 L6		M20			250-21015		
<b>528i</b>								
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
2011	3.0 L6				Cyl 1-3 Cyl 1-3	250-25018 250-25046		250-24997
2011	3.0 L6				Cyl 4-6 Cyl 4-6	250-25018 250-25046		250-24997
2010-2008	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
<b>528i xDrive</b>								
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
<b>528xi</b>								
2008	3.0 L6		N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
<b>530e</b>								
2020-2018	2.0 L4		B48A20BM0	Hybrid		250-25131		250-241213
<b>530e xDrive</b>								
2020-2018	2.0 L4		B48A20BM0	Hybrid		250-25131		250-241213
<b>530i</b>								
2020-2017	2.0 L4		B46B2000			250-25131		250-241213
2013	3.0 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-241027 250-241027
2012	3.0 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24997 250-241027
2010-2007	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		
<b>530i xDrive</b>								
2020-2017	2.0 L4		B46B2000			250-25131		250-241213

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>530xi</b>								
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	Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24464 250-24465
2006	3.0 L6		N52	From 11/2005 To 11/2005	Cyl 1-3 Cyl 4-6	250-25042 250-25042		250-24464 250-24465
<b>533i</b>								
1984-1983	3.2 L6		M30			250-21015		
<b>535d</b>								
2016-2014	3.0 L6		N57D30T	Diesel, after Particulate Filter				250-25043
2016-2014	3.0 L6		N57D30T	Diesel, before Particulate Filter		250-25035		
<b>535d xDrive</b>								
2016-2014	3.0 L6		N57D30T	Diesel, after Particulate Filter				250-25043
2016-2014	3.0 L6		N57D30T	Diesel, before Particulate Filter		250-25035		
<b>535i</b>								
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		
<b>535i GT</b>								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2010	3.0 L6		N55B30A			250-25089		250-24991
<b>535i GT xDrive</b>								
2017	3.0 L6		N55B30A			250-25089		250-241161
2016-2011	3.0 L6		N55B30A			250-25089		250-24991
<b>535is</b>								
1988	3.5 L6		M30			250-24382		
<b>535i xDrive</b>								
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
<b>535xi</b>								
2008	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25048 250-25047		250-24713 250-24466
<b>540i</b>								
2020-2017	3.0 L6		B58B30M0			250-25132		250-241214
1995	4.0 V8		M60		Left Right	250-24381 250-24381		
1994	4.0 V8		M60	From 3/94	Left Right	250-24380 250-24380		
1994	4.0 V8		M60	From 3/94 To 3/94	Left Right	250-24605 250-24605		
2003-1997	4.4 V8		M62	To 3/94	Left Right	250-24611 250-24611		250-24125 250-24125
<b>540i xDrive</b>								
2020-2017	3.0 L6		B58B30M0			250-25132		250-241214
<b>545i</b>								
2006-2004	4.4 V8		N62	A/T	Left Right	250-25003 250-25003		250-24638 250-24638
2005-2004	4.4 V8		N62	M/T	Left Right	250-25002 250-25004		250-24638 250-24638
<b>550i</b>								
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	Left Right	250-25044 250-25044		250-24713 250-24464
2010-2006	4.8 V8		N62B48B	M/T	Left Right	250-25043 250-25046		250-24713 250-24464
<b>550i GT</b>								
2015-2010	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>550i GT xDrive</b>								
2017-2010	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
<b>550i xDrive</b>								
2016-2011	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
<b>633CSi</b>								
1984-1980	3.2 L6		M30			250-21015		
<b>635CSi</b>								
1989-1988	3.5 L6		M30			250-24382		
1987	3.5 L6		M30			250-23034		
1986-1985	3.5 L6		M30			250-23016		
<b>640i</b>								
2018	3.0 L6		N55B30A			250-25089		250-241161
2017-2014	3.0 L6		N55B30A			250-25089		250-24991
2013-2012	3.0 L6		N55B30A			250-25106		250-24991
<b>640i Gran Coupe</b>								
2019-2018	3.0 L6		N55B30A			250-25089		250-241161
2017-2015	3.0 L6		N55B30A			250-25089		250-24991
2014-2013	3.0 L6		N55B30A			250-25106		250-24991
<b>640i xDrive</b>								
2018	3.0 L6		N55B30A			250-25089		250-241161
2017-2014	3.0 L6		N55B30A			250-25089		250-24991
<b>640i xDrive Gran Coupe</b>								
2019-2018	3.0 L6		N55B30A			250-25089		250-241161
2017-2015	3.0 L6		N55B30A			250-25089		250-24991
2014	3.0 L6		N55B30A			250-25106		250-24991
<b>640i xDrive Gran Turismo</b>								
2019-2018	3.0 L6		B58B30M0			250-25132		250-241214
<b>645Ci</b>								
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
<b>650i</b>								
2018-2012	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 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
<b>650i Gran Coupe</b>								
2019-2013	4.4 V8		-, N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
<b>650i xDrive</b>								
2018-2012	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
<b>650i xDrive Gran Coupe</b>								
2019-2013	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
<b>733i</b>								
1984-1979	3.2 L6		M30			250-21015		
<b>735i</b>								
1992-1988	3.5 L6		M30			250-24382		
1987-1986	3.5 L6		M30			250-24023		
1985	3.5 L6		M30			250-23016		
<b>735iL</b>								
1992-1988	3.5 L6		M30			250-24382		
<b>740e xDrive</b>								
2019-2017	2.0 L4		B48A20M0	Hybrid		250-25131		250-241213
<b>740i</b>								
2020-2016	3.0 L6		B58B30M0			250-25132		250-241214

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>740i (cont'd)</b>								
2015	3.0 L6		N55B30A			250-25089		250-24991
2014-2013	3.0 L6		N55B30A			250-25106		250-24991
2012-2011	3.0 L6		N54B30A		Cyl 1-3 Cyl 4-6	250-25048 250-25046		250-24466 250-24713
1995	4.0 V8		M60		Left Right	250-24380 250-24380		
1994-1993	4.0 V8		M60		Left Right	250-24605 250-24605		
2001-1997	4.4 V8		M62		Left Right	250-24611 250-24611		250-24125 250-24125
<b>740iL</b>								
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
<b>740i xDrive</b>								
2020-2017	3.0 L6		B58B30M0			250-25132		250-241214
<b>740Ld xDrive</b>								
2015	3.0 L6		N57D30T	Diesel, after Particulate Filter				250-25043
2015	3.0 L6		N57D30T	Diesel, before Particulate Filter				250-25043
<b>740Li</b>								
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
<b>740Li xDrive</b>								
2015-2013	3.0 L6		N55B30A			250-25089		250-24991
<b>745i</b>								
2005-2004	4.4 V8		N62		Left Right	250-25003 250-25003		250-24638 250-24638
2003	4.4 V8		N62	From 9/02	Left	250-25003		250-24638
2003	4.4 V8		N62	From 9/02	Right	250-25003		250-24638
2003	4.4 V8		N62	To 9/02	Left	250-25003		250-24638
2003	4.4 V8		N62	To 9/02	Right	250-25002		250-24638
2002	4.4 V8		N62		Left Right	250-25003 250-25002		250-24638 250-24638
<b>745Li</b>								
2005-2004	4.4 V8		N62		Left Right	250-25003 250-25003		250-24638 250-24638
2003	4.4 V8		N62	From 9/02	Left	250-25003		250-24638
2003	4.4 V8		N62	From 9/02	Right	250-25003		250-24638
2003	4.4 V8		N62	To 9/02	Left	250-25003		250-24638
2003	4.4 V8		N62	To 9/02	Right	250-25002		250-24638
2002	4.4 V8		N62		Left Right	250-25003 250-25002		250-24638 250-24638
<b>750i</b>								
2019-2017	4.4 V8		N63B44B		Left Right	250-25133 250-25133		250-241213 250-241213
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
<b>750iL</b>								
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
<b>750i xDrive</b>								
2019-2017	4.4 V8		N63B44B		Left Right	250-25133 250-25133		250-241213 250-241213
2016-2010	4.4 V8		N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>750Li</b>								
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
<b>750Li xDrive</b>								
2015-2010	4.4 V8		N63B44A, N63B44B		Left Right	250-25087 250-25087		250-24713 250-24713
<b>760i</b>								
2006-2004	6.0 V12		N73		Left Right	250-25003 250-25003		250-24638 250-24638
<b>760Li</b>								
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
2006-2003	6.0 V12		N73		Left Right	250-25003 250-25003		250-24638 250-24638
<b>840Ci</b>								
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
<b>850Ci</b>								
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
<b>850CSi</b>								
1995-1994	5.6 V12		S70		Left Right	250-24024 250-24024		
<b>850i</b>								
1992-1991	5.0 V12		M70		Left Right	250-24035 250-24035		
<b>ActiveHybrid 3</b>								
2015-2014	3.0 L6		N55B30A	Hybrid		250-25089		250-241161
2013	3.0 L6		N55B30A	Hybrid		250-25106		250-24991
<b>ActiveHybrid 5</b>								
2016-2014	3.0 L6		N55B30A	Hybrid		250-25089		250-241161
2013-2012	3.0 L6		N55B30A	Hybrid		250-25089		250-24991
<b>ActiveHybrid 7</b>								
2015-2013	3.0 L6		N55B30A	Hybrid		250-25089		250-24991
<b>Alpina B6 xDrive Gran Coupe</b>								
2019-2015	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
<b>Alpina B7</b>								
2019-2017	4.4 V8		N63M30		Left Right	250-25133 250-25133		250-241213 250-241213
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
<b>Alpina B7L</b>								
2015-2011	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
<b>Alpina B7L xDrive</b>								
2015-2011	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
<b>Alpina B7 xDrive</b>								
2015-2011	4.4 V8		N63M20A		Left Right	250-25087 250-25087		250-24713 250-24713
<b>i3</b>								
2020-2014	0.6 L2		W20K06A	Hybrid		250-25089		250-241161

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>i3s</b>								
2020-2018	0.6 L2		W20K06A, XB4	Hybrid		250-25089		250-241161
<b>i8</b>								
2020-2019	1.5 L3		B38T	Hybrid		250-25089		250-241192
2017	1.5 L3		B38T	Hybrid		250-25089		250-241192
2016-2014	1.5 L3		B38T	Hybrid		250-25089		250-241161
<b>L6</b>								
1987	3.5 L6		M30			250-23034		
<b>L7</b>								
1987-1986	3.5 L6		M30			250-24023		
<b>M2</b>								
2020-2019	3.0 L6		S55B30		Left Right	250-25123 250-25089		250-241179 250-241161
2018-2016	3.0 L6		N55B30A			250-25089		250-241161
<b>M3</b>								
1991-1988	2.3 L4		S14			250-23031		
2018-2015	3.0 L6		S55B30		Cyl 1-3 Cyl 4-6	250-25123 250-25089		250-241179 250-241161
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
<b>M4</b>								
2020-2015	3.0 L6		S55B30		Cyl 1-3 Cyl 4-6	250-25123 250-25089		250-241179 250-241161
<b>M5</b>								
1988	3.5 L6		S38			250-23034		
1993-1991	3.6 L6		S38			250-24382		
2020-2018	4.4 V8		S63B44T4		Left Right			250-241272 250-241272
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
<b>M6</b>								
1988-1987	3.5 L6		S38		Cyl 1-3 Cyl 4-6	250-23034 250-23034		
2018-2012	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
<b>M6 Gran Coupe</b>								
2019-2014	4.4 V8		S63B44B		Left Right	250-25087 250-25087		250-24465 250-24465
<b>M8</b>								
2020	4.4 V8		S63B44T3		Left Right			250-241272 250-241272
<b>M8 Gran Coupe</b>								
2020	4.4 V8		S63B44T3		Left Right			250-241272 250-241272
<b>M235i</b>								
2016-2014	3.0 L6		N55B30A			250-25089		250-241161
<b>M235i xDrive</b>								
2016-2015	3.0 L6		N55B30A			250-25089		250-241161
<b>M235i xDrive Gran Coupe</b>								
2021-2020	2.0 L4		B48A2000					250-241272

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>M240i</b>								
2021-2017	3.0 L6		B58B30M0, B58M30O0			250-25132		250-241214
<b>M240i xDrive</b>								
2020-2017	3.0 L6		B58B30M0, B58M30O0			250-25132		250-241214
<b>M550i xDrive</b>								
2019-2018	4.4 V8		N63B44O2		Left Right	250-25133 250-25133		250-241213 250-241213
<b>M760i xDrive</b>								
2019-2017	6.6 V12		N74B66		Left Right	250-25144 250-25144		250-241213 250-241213
<b>X1</b>								
2021-2020	2.0 L4		B46A20B					250-241272
2019-2016	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
<b>X2</b>								
2020-2019	2.0 L4		B48A20O0	M35i Model Only				250-241272
2020-2018	2.0 L4		B46A20B			250-25106		250-241192
<b>X3</b>								
2019-2018	2.0 L4		B46B20O0			250-25131		250-241213
2017-2015	2.0 L4		N47D20	Diesel, after Particulate Filter				250-25046
2017-2015	2.0 L4		N47D20	Diesel, before Particulate Filter		250-25042		
2017-2013	2.0 L4		N20B20A			250-25089		250-241027
2011-2007	2.5 L6				Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24997 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
2020-2019	3.0 L6		B58B30M0, B58B30O1	M40i Model Only		250-25132		250-241214
2020	3.0 L6		S58B30T0					250-241213
2018	3.0 L6		B58B30M0			250-25132		250-241214
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
<b>X4</b>								
2019	2.0 L4		B46B20O0			250-25131		250-241213
2018-2015	2.0 L4		N20B20A			250-25089		250-241027
2020	3.0 L6		B58B30O1					250-241213
2020	3.0 L6		B58B30O1	M40i Model Only		250-25132		250-241214
2018-2016	3.0 L6		N55B30A			250-25089		250-241161
2015	3.0 L6		N55B30A			250-25106		250-24991
<b>X5</b>								
2018-2016	2.0 L4		N20B20A	Hybrid		250-25089		250-241027
2018-2016	3.0 L6		N55B30A			250-25089		250-241161
2018-2014	3.0 L6		N57D30T	Diesel, after Particulate Filter				250-25042
2018-2014	3.0 L6		N57D30T	Diesel, before Particulate Filter		250-25035		
2015-2014	3.0 L6		N55B30A		Cyl 1-3 Cyl 4-6	250-25089 250-25089		250-241161 250-241161
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		
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
2021-2019	4.4 V8		N63B44M0, N63B44T3		Left Right			250-241272 250-241272

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BMW (cont'd)</b>								
<b>X5 (cont'd)</b>								
2018-2011	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, N62TUB48		Left Right	250-25046 250-25044		250-24464 250-24464
2006-2004	4.8 V8		N62B48, N62TUB48		Left Right	250-25003 250-25002		250-24657 250-24638
<b>X6</b>								
2019-2017	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		N54B30A		Cyl 1-3 Cyl 4-6	250-25048 250-25047		250-24713 250-24466
2019-2011	4.4 V8		N63B44A, N63B44B, S63R		Left Right	250-25087 250-25087		250-24713 250-24713
2016-2014	4.4 V8				Left Right	250-25087 250-25087		250-24611 250-24611
2014-2010	4.4 V8		S63B44A	M Model M Model	Left Right	250-25087 250-25087		250-24464 250-24464
2013	4.4 V8		-		Left Right	250-25087 250-25087		250-24464 250-24464
2010-2008	4.4 V8		N63B44A		Left Right	250-25087 250-25087		250-24713 250-24466
<b>X7</b>								
2020-2019	4.4 V8		N63B44M0, N63B44T3		Left Right			250-241272 250-241272
<b>Z3</b>								
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
<b>Z4</b>								
2016-2012	2.0 L4		N20B20A			250-25089		250-241027
2006-2003	2.5 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2016-2015	3.0 L6		N54B30A		Front Rear	250-25018 250-25047		250-24713 250-24465
2014-2009	3.0 L6		N52KB30, N54B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25047		250-24713 250-24465
2011-2006	3.0 L6		N52, N52B30A		Cyl 1-3 Cyl 4-6	250-25018 250-25046		250-24713 250-24465
2006-2003	3.0 L6		M54		Cyl 1-3 Cyl 4-6	250-24611 250-24611		250-24392 250-24392
2008-2006	3.2 L6		S54		Cyl 1-3 Cyl 4-6	250-25046 250-25046		250-24478 250-24444
<b>Z8</b>								
2003	4.8 V8				Left Right	250-24611 250-24611		250-24125 250-24125
2003-2000	5.0 V8		S62		Left Right	250-24611 250-24611		250-24125 250-24125

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BUICK</b>								
<b>Allure</b>								
2010	3.0 V6	G	LF1	Canada	Front	250-24649		250-24649
				Canada	Rear	250-24649		250-24649
2010	3.6 V6	V	LLT	Canada, CXS Model	Front	250-24649		250-24649
				Canada, CXS Model	Rear	250-24649		250-24649
2008-2006	3.6 V6	7		Canada, CXS Model		250-25002		250-24649
2005	3.6 V6	7		Canada		250-25002		250-24649
2009-2008	3.8 V6	2	L26	Canada w/ Calif-ESV		250-24470		250-24248
2009-2008	3.8 V6	2	L26	Canada w/ Non Calif-ESV		250-24273		250-24248
2007-2005	3.8 V6	2	L26	Canada w/ Calif-ESV		250-24470		250-24836
2007-2005	3.8 V6	2	L26	Canada w/ Non Calif-ESV		250-24273		250-24836
2009-2008	5.3 V8	C	LS4	Canada		250-24703		250-24703
<b>Cascada</b>								
2019-2016	1.6 L4	5	LWC			250-241133		250-241132
<b>Century</b>								
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		
<b>Commercial Chassis</b>								
1991	5.0 V8					250-21001		
1996	5.7 V8	P			Left	250-24012		250-24012
					Right	250-24012		250-24012
1995-1994	5.7 V8	P				250-24012		
1993-1992	5.7 V8					250-21001		
<b>Electra</b>								
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		
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		
<b>Enclave</b>								
2021-2018	3.6 V6	W	LFY		Front	250-241212		250-241212
					Rear	250-241212		250-241212
2017-2012	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	3.6 V6	7			Front	250-24470		250-24708
					Rear	250-24470		250-24708
<b>Encore</b>								
2022-2021	1.4 L4	M	LE2	Engine LE2, VIN M		250-241188		250-241188
2021-2016	1.4 L4	B	LUV	Engine LUV, VIN B		250-24847		250-24612
2019-2016	1.4 L4	M	LE2	Engine LE2, VIN M		250-241188		250-241188
2015-2013	1.4 L4	B	LUV			250-24847		250-24612
<b>Encore GX</b>								
2022-2020	1.2 L3	2	LIH			250-25155		250-241188
2022-2020	1.3 L3	L	L3T			250-25140		250-241269

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BUICK (cont'd)</b>								
<b>Envision</b>								
2021	2.0 L4	4	LSY			250-25140		250-241269
2020-2018	2.0 L4	X	LTG			250-25128		250-241132
2017-2016	2.0 L4	X	LTG			250-241133		250-241132
2020-2017	2.5 L4	A	LCV			250-241133		250-241132
<b>Estate Wagon</b>								
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		
<b>LaCrosse</b>								
2016	2.4 L4	R	LUK			250-24492		250-24698
2015	2.4 L4	R	LUK	Hybrid		250-24492		250-24698
2014-2013	2.4 L4	R	LUK			250-24492		250-24698
2012	2.4 L4	R	LUK	Hybrid		250-24492		250-24698
2011	2.4 L4	C	LAF			250-24492		250-24698
2010	2.4 L4	C	LAF			250-24492		250-24708
2019	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
2019-2017	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	LY7			250-25002		250-24649
2009-2008	3.8 V6	2	L26	Calif-ESV		250-24470		250-24248
2009-2008	3.8 V6	2	L26	Non Calif-ESV		250-24273		250-24248
2007-2006	3.8 V6	2		Non Calif-ESV		250-24273		250-24836
2007-2005	3.8 V6	2		Calif-ESV		250-24470		250-24836
2005	3.8 V6	2		Non Calif-ESV				250-24836
2009-2008	5.3 V8	C	LS4		Front	250-24273		250-24703
<b>LeSabre</b>								
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		
<b>Lucerne</b>								
2008-2007	3.8 V6	2	L26	Exc.PZEV Spec		250-24273		250-24836
2008-2007	3.8 V6	2	L26	PZEV Spec		250-24470		250-24836
2006	3.8 V6	2				250-24273		250-24836
2011-2009	3.9 V6	1, M	LGD, LZ9			250-24470		250-24708
2011-2006	4.6 V8	9, S, Y	L37, LD8		Front Rear	250-24704 250-24704		250-24708 •250-24703
<b>Park Avenue</b>								
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	3.8 V6	1		1 Wire Sensor		250-21001		
1993	3.8 V6	L		3 Wire Sensor		250-23011		
1992-1991	3.8 V6	1, L				250-21001		
<b>Rainier</b>								
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



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BUICK (cont'd)</b>								
<b>Rainier (cont'd)</b>								
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 Triangular Connector	Left	250-24704		250-24950
2006	5.3 V8	M		2nd Design - Downstream Triangular Connector	Right	250-24704		250-24950
2005	5.3 V8	M			Left Right	250-24470 250-24470		250-24836 250-24836
2004	5.3 V8	P			Left Right	250-24269 250-24269		250-24836 250-24836
<b>Reatta</b>								
1991-1988	3.8 V6	C, L				250-21001		
<b>Regal</b>								
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
2016-2015	2.4 L4	R	LUK	Hybrid		250-24492		250-24698
2012	2.4 L4	R	LUK	Hybrid		250-24492		250-24698
1989-1988	2.8 V6	W				250-21001		
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				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 Rear	250-24012 250-24012		•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		
<b>Regal Sportback</b>								
2020-2018	2.0 L4	X	LTG			250-25128		250-241132
2020-2018	3.6 V6	S	LGX		Front Rear	250-241162 250-241162		250-241162 250-241162
<b>Regal TourX</b>								
2020-2018	2.0 L4	X	LTG			250-25128		250-241132
<b>Rendezvous</b>								
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
2004	3.6 V6	7				250-25002		250-241125
<b>Riviera</b>								
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		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>BUICK (cont'd)</b>								
<b>Riviera (cont'd)</b>								
1985-1982	5.0 V8					250-21001		
1981-1980	5.0 V8	Y				250-22001		
1980-1979	5.7 V8	R				250-22001		
<b>Roadmaster</b>								
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		
<b>Skyhawk</b>								
1986-1983	1.8 L4	0, J				250-21001		
1982	1.8 L4	G		Carbureted, 1 Wire Sensor Fuel Injected, 2 Wire Sensor		250-21001		
1982	1.8 L4	0				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		
<b>Skylark</b>								
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		
<b>Somerset</b>								
1987-1986	2.5 L4	U				250-21001		
1987-1986	3.0 V6	L				250-21001		
<b>Somerset Regal</b>								
1985	2.5 L4	U				250-21001		
1985	3.0 V6	L				250-21001		
<b>Terraza</b>								
2006-2005	3.5 V6					250-24470		250-24836
2007-2006	3.9 V6					250-24470		250-24836
<b>Verano</b>								
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
<b>CADILLAC</b>								
<b>60 Special</b>								
1993	4.9 V8					250-22001		
<b>Allante</b>								
1988-1987	4.1 V8	7				250-22001		
1992-1989	4.5 V8	8				250-22001		
1993	4.6 V8	9				250-24006		
<b>ATS</b>								
2019-2016	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
2019-2018	3.6 V6	S	LGX			250-241162		250-241238
					Left Right	250-241162		250-241238
2019-2016	3.6 V6	Y	LF4	Turbocharged	Left Right	250-24869 250-24869		250-24773 250-24773
				Turbocharged	Left Right	250-241212 250-241212		250-241133 250-241133

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CADILLAC (cont'd)</b>								
<b>ATS (cont'd)</b>								
2015-2013	3.6 V6	3	LFX		Left Right	250-24869 250-24869		250-24773 250-24773
<b>Brougham</b>								
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		
<b>Catera</b>								
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
<b>Cimarron</b>								
1982	1.8 L4	G				250-21001		
1986-1983	2.0 L4	P				250-21001		
1988-1985	2.8 V6	W				250-21001		
<b>Commercial Chassis</b>								
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	P			Right			250-24012
1996	5.7 V8	P			Left	250-24012		250-24012
1995-1994	5.7 V8	P				250-24012		
1993-1992	5.7 V8					250-21001		
<b>CT4</b>								
2021-2020	2.0 L4	K	LSY			250-25140		250-241269
2021-2020	2.7 L4	L	L3B			250-25140		250-241269
<b>CT5</b>								
2021-2020	2.0 L4	K	LSY			250-25140		250-241269
2021-2020	3.0 V6	W	LGY		Left Right	250-25140 250-25140		250-241238 250-241238
<b>CT6</b>								
2019	2.0 L4	K	LSY			250-25140		250-241269
2018-2017	2.0 L4	X	LTG	Plug-In Hybrid		250-25128		250-241132
2018-2016	2.0 L4	X	LTG			250-25128		250-241132
2019	3.0 V6	6	LGW		Left Right	250-25140 250-25140		250-241238 250-241238
2018-2016	3.0 V6	6	LGW		Left Right	250-25140 250-25140		250-241133 250-241133
2020-2019	3.6 V6	S	LGX		Left Right	250-241162 250-241162		250-241238 250-241238
2018-2016	3.6 V6	S	LGX		Left Right	250-241212 250-241212		250-241133 250-241133
2019	4.2 V8	J	LTA		Left Right			250-241267 250-241267
<b>CTS</b>								
2019-2016	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
				2nd Design - Upstream Oval Connector	Left	250-25038		250-24773
				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
2019-2018	3.6 V6	S	LGX		Left Right	250-241162 250-241162		250-241238 250-241238
2019-2014	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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CADILLAC (cont'd)</b>								
<b>CTS (cont'd)</b>								
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 A/T	Left Right	250-24324 250-24324		250-24746 250-24773
2011-2009	3.6 V6	7, D, V	LLT	M/T M/T	Left Right	250-24324 250-24324		250-24773 250-24773
2009	3.6 V6	7		A/T A/T	Left Right	250-24324 250-24324		250-24773 250-24746
2008	3.6 V6	7		A/T A/T	Left Right	250-25038 250-25038		250-24773 250-24746
2008	3.6 V6	7		M/T M/T	Left Right	250-25038 250-25038		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	250-25038 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
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
2019	6.2 V8	6	LT4		Left Right	250-241133 250-241133		250-241162 250-241162
2018-2016	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
<b>DeVille</b>								
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			Rear	250-24470		
2005	4.6 V8	9, Y						•250-24267
2004-2000	4.6 V8	9, Y			Front Front Rear	250-24470 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			Rear	250-24018	250-24087	
1998-1996	4.6 V8	9, Y						•250-24087
1995-1994	4.6 V8	Y			Front Front Rear	250-24018 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		
<b>DTS</b>								
2011-2006	4.6 V8	6, 9, S, Y			Front Rear	250-24704 250-24704		•250-24703

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CADILLAC (cont'd)</b>								
<b>Eldorado</b>								
1982	4.1 V6	4		1 Wire Sensor		250-21001		
1981	4.1 V6	4				250-22001		
1987	4.1 V8	8				250-22001		
1986-1985	4.1 V8	8				250-21001		
1984-1983	4.1 V8	8				250-22001		
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	250-24269		•250-24267
					Rear	250-24269		
1999-1998	4.6 V8	9, Y			Front	250-24018		•250-24087
					Rear	250-24018		
1997-1996	4.6 V8	9, Y				250-24018	250-24087	
1997-1996	4.6 V8	9, Y				250-24018		
1995-1993	4.6 V8	9, Y			Front	250-24018		•250-24087
					Front	250-24006		
					Rear	250-24006		
1993-1991	4.9 V8	B			Front	250-22001		
					Rear	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		
<b>ELR</b>								
2016-2014	1.4 L4					250-24847		250-24649
<b>Escalade</b>								
2005-2003	5.3 V8	T			Left	250-24470		250-24470
					Right	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
2000-1999	5.7 V8	R			Left	250-24012		250-24018
					Right	250-24012		250-24018
2013-2009	6.0 V8	5, J	LFA, LZ1		Left	250-24470		250-24736
					Right	250-24470		250-24736
2006-2003	6.0 V8	N			Left	250-24491		250-24267
					Right	250-24491		250-24267
2002	6.0 V8	N			Left	250-24248		250-24018
					Right	250-24248		250-24018
2021	6.2 V8	L	L87		Left	250-241268		250-241212
					Right	250-241268		250-241212
2020-2016	6.2 V8	J	L86		Left	250-241162		250-241132
					Right	250-241133		250-241132
2015	6.2 V8	J	L86		Left	250-241162		250-241132
					Right	250-241162		250-241132
2014-2008	6.2 V8	2, 8, F	L92, L94, L9H		Left	250-24470		250-24736
					Right	250-24470		250-24736
2007	6.2 V8	8	L92		Left	250-24703		250-24355
					Right	250-24703		250-24355
<b>Escalade ESV</b>								
2006-2003	6.0 V8				Left	250-24491		250-24267
					Right	250-24491		250-24267
2021	6.2 V8	L	L87		Left	250-241268		250-241212
					Right	250-241268		250-241212
2020-2015	6.2 V8	J	L86		Left	250-241162		250-241132
					Right	250-241162		250-241132
2014-2008	6.2 V8	8	L92		Left	250-24470		250-24736
					Right	250-24470		250-24736
2007	6.2 V8	8	L92		Left	250-24703		250-24355
					Right	250-24703		250-24355
<b>Escalade EXT</b>								
2006-2003	6.0 V8				Left	250-24491		250-24267
					Right	250-24491		250-24267
2002	6.0 V8				Left	250-24248		250-24018
					Right	250-24248		250-24018
2013-2008	6.2 V8				Left	250-24470		250-24736
					Right	250-24470		250-24736
2007	6.2 V8	8	L92		Left	250-24703		250-24355
					Right	250-24703		250-24355

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CADILLAC (cont'd)</b>								
<b>Fleetwood</b>								
1982-1980	4.1 V6	4				250-22001		
1987-1986	4.1 V8	8		1 Wire Sensor		250-21001		
1987-1986	4.1 V8	8		2 Wire Sensor		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	250-24012		250-24012
					Right	250-24012		250-24012
1995-1994	5.7 V8	P			Left	250-24012		
					Right	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		
<b>Seville</b>								
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			Rear	250-24470		
2004	4.6 V8	Y						•250-24267
2003-2000	4.6 V8	9, Y			Front	250-24470		
					Front	250-24269		•250-24267
					Rear	250-24269		
1999	4.6 V8	9, Y			Front	250-24018		•250-24087
					Rear	250-24018		
1998	4.6 V8	9, Y		1st Design Exhaust		250-24018	250-24087	
1998	4.6 V8	9, Y		1st Design Exhaust	Front	250-24018		•250-24087
				1st Design Exhaust	Front	250-24018		•250-24087
1998	4.6 V8	9, Y		2nd Design Exhaust	Rear	250-24018		
				2nd Design Exhaust	Rear	250-24018		
1997-1996	4.6 V8	9, Y				250-24018	250-24087	
1997-1996	4.6 V8	9, Y			Front	250-24018		•250-24087
1995-1993	4.6 V8	9, Y			Front	250-24006		
					Rear	250-24006		
1993-1991	4.9 V8	B			Front	250-22001		
					Rear	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		
<b>SRX</b>								
2011-2010	2.8 V6	4, 6	LAU			250-24612		250-24612
2011-2010	3.0 V6	Y	LF1		Front	250-24649		250-24649
					Rear	250-24649		250-24649
2016-2012	3.6 V6	3	LFX		Front	250-24649		250-24649
					Rear	250-24649		250-24649
2009-2007	3.6 V6	7			Front	250-24324		250-24773
					Rear	250-24324		250-24773
2006	3.6 V6	7			Front	250-25038		250-24773
					Rear	250-25038		250-24773
2005	3.6 V6	7		1st Design - Upstream Rectangular Connector	Front	250-25005		250-24773
				1st Design - Upstream Rectangular Connector	Rear	250-25005		250-24773
2005	3.6 V6	7		2nd Design - Upstream Oval Connector	Front	250-25038		250-24773
				2nd Design - Upstream Oval Connector	Rear	250-25038		250-24773
2004	3.6 V6	7			Front	250-25005		250-24649
					Rear	250-25005		250-24649
2009-2007	4.6 V8	A			Front	250-24492		250-24728
					Rear	250-24492		250-24722
2006	4.6 V8	A			Front	250-25005		250-24773
					Rear	250-25005		250-24773
2005	4.6 V8	A		1st Design - Upstream Rectangular Connector	Front	250-25005		250-24773
				1st Design - Upstream Rectangular Connector	Rear	250-25005		250-24773
2005	4.6 V8	A		2nd Design - Upstream Oval Connector	Front	250-25038		250-24773
				2nd Design - Upstream Oval Connector	Rear	250-25038		250-24773

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CADILLAC (cont'd)</b>								
<b>SRX (cont'd)</b>								
2004	4.6 V8	A			Front Rear	250-25005 250-25005		250-24649 250-24649
<b>STS</b>								
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	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 Oval Connector	Left	250-25038		250-24773
2005	3.6 V6	7		2nd Design - Upstream Oval Connector	Right	250-25038		250-24773
2009-2006	4.4 V8	D			Left Right	250-24698 250-24698		250-24728 250-24728
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
2005	4.6 V8	A		2nd Design - Upstream Oval Connector	Left	250-25038		250-24773
2005	4.6 V8	A		2nd Design - Upstream Oval Connector	Right	250-25038		250-24773
<b>XLR</b>								
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 OEM Sensor Length 21.5"	Left	250-25005		250-24649
2005	4.6 V8	A		1st Design - Upstream OEM Sensor Length 21.5"	Right	250-25005		250-24649
2005	4.6 V8	A		2nd Design - Upstream OEM Sensor Length 37.25"	Left	250-25006		250-24743
2005	4.6 V8	A		2nd Design - Upstream OEM Sensor Length 37.25"	Right	250-25006		250-24743
2004	4.6 V8	A			Left Right	250-25005 250-25005		250-24649 250-24649
<b>XT4</b>								
2021-2019	2.0 L4	4	LSY			250-25140		250-241269
<b>XT5</b>								
2021-2020	2.0 L4	4	LSY			250-25140		250-241269
2021-2017	3.6 V6	S	LGX		Front Rear	250-241212 250-241212		250-241212 250-241212
<b>XT6</b>								
2021	2.0 L4	4	LSY			250-25140		250-241269
2021-2020	3.6 V6	S	LGX		Front Rear	250-241212 250-241212		250-241212 250-241212
<b>XTS</b>								
2019-2017	3.6 V6	8	LF3	Turbocharged	Left Right	250-24773 250-24773		250-24773 250-24773
2019-2013	3.6 V6	3	LFX	Turbocharged	Left Right	250-24773 250-24773		250-24773 250-24773
2015-2014	3.6 V6	8	LF3	Turbocharged	Left Right	250-24773 250-24773		250-24773 250-24773
<b>CHEVROLET</b>								
<b>Astra</b>								
2008-2006	1.8 L4							250-24694
2003-2000	1.8 L4					250-24733		
2008-2005	2.0 L4		LE4, LU2			250-24949		250-24653
2005	2.4 L4					250-24949		250-24694
<b>Astro</b>								
1990-1985	2.5 L4	E				250-21001		
2005-2003	4.3 V6	X			Right	250-24355		
2005-2003	4.3 V6	X						•250-24355
2002-2000	4.3 V6	W, X			Left Right	250-24339 250-24269		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Astro (cont'd)</b>								
2002-2000	4.3 V6	W, X			Left	250-24836		•250-24269
1999-1998	4.3 V6	W			Right	250-24273		
1999-1998	4.3 V6	W						•250-24273
1997-1996	4.3 V6	W			Left	250-24273		
1997-1996	4.3 V6	W			Right	250-24012		•250-24018
1995	4.3 V6	W			Left	250-24012		
1994-1992	4.3 V6	W, Z				250-23011		
1991-1985	4.3 V6	B, N, Z				250-23005		
						250-21001		
<b>Avalanche</b>								
2013-2008	5.3 V8	0, 3, 7, J	LC9, LMG, LY5		Left	250-24470		250-24736
					Right	250-24470		250-24736
2007	5.3 V8	0, 3, J	LC9, LMG, LY5		Left	250-24703		250-24355
					Right	250-24703		250-24355
2009-2008	6.0 V8	Y	L76		Left	250-24470		250-24736
					Right	250-24470		250-24736
2007	6.0 V8	Y	L76		Left	250-24703		250-24355
					Right	250-24703		250-24355
<b>Avalanche 1500</b>								
2006	5.3 V8	T, Z	L59		Left	250-24703		250-241128
					Right	250-24703		250-241128
2005-2003	5.3 V8	T, Z			Left	250-24470		250-24470
					Right	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
<b>Avalanche 2500</b>								
2006-2003	8.1 V8	G			Left	250-24491		250-24492
					Right	250-24491		250-24491
2002	8.1 V8	G			Left	250-24248		250-24274
					Right	250-24248		250-24248
<b>Aveo</b>								
2017-2012	1.6 L4		LXT			250-24067		250-24789
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
<b>Aveo5</b>								
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
<b>Bel Air</b>								
1981	4.4 V8	J		Canada		250-22001		
1981	5.0 V8	H		Canada		250-22001		
<b>Beretta</b>								
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		
<b>Blazer</b>								
2021-2020	2.0 L4	4	LSY			250-25140		250-241269
2021-2019	2.5 L4	A	LCV			250-241133		250-241132
2021-2019	3.6 V6	S	LGX		Front	250-241212		250-241212
					Rear	250-241212		250-241212
2005-2002	4.3 V6	W, X			Left	250-24269		250-24269
					Right	250-24269		250-24269





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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Blazer (cont'd)</b>								
2001-1996	4.3 V6	W			Left Right	250-24012		250-24012
1995	4.3 V6	W			Left Right	250-24012		250-24012
1987	5.0 V8	H				250-21001		
1994-1992	5.7 V8	K		1 Wire Sensor		250-21001		
1994-1992	5.7 V8	K		3 Wire Sensor		250-23005		
1991-1987	5.7 V8	K				250-21001		
<b>C10</b>								
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		
<b>C10 Suburban</b>								
1986-1983	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		
<b>C20</b>								
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		
<b>C20 Suburban</b>								
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					250-21001		
1986-1983	7.4 V8	W				250-21001		
<b>C30</b>								
1986-1983	4.8 L6	T				250-21001		
1986-1983	5.7 V8	M				250-21001		
1986-1983	7.4 V8	W				250-21001		
<b>C35</b>								
1984	4.1 L6					250-21001		
1987-1983	4.8 L6	T				250-21001		
1995-1983	5.7 V8	R	L31			250-21001		
<b>C1500</b>								
1998-1996	4.3 V6	W			Left Right	250-24012		250-24018
1995	4.3 V6	Z				250-24012		250-24018
1994	4.3 V6	Z				250-23011		
1993-1988	4.3 V6	Z				250-23005		
1999-1996	5.0 V8	M				250-21001		
1999-1996	5.0 V8	M		w/o Trans Code 4L60-E	Left Right	250-24019		250-24018
				w/ Trans Code 4L60-E	Left	250-24019		250-24018
				w/ Trans Code 4L60-E	Right	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 Right	250-24019		250-24018
				w/ 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		
<b>C1500 Suburban</b>								
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left Right	250-24019		250-24018
				w/ 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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>C1500 Suburban (cont'd)</b>								
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		
<b>C2500</b>								
1995	4.3 V6	Z			Left Right	250-23005 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 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
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 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		
<b>C2500 Suburban</b>								
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	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		
1999-1996	7.4 V8	J			Left Right	250-24019 250-24019		250-24018 250-24018
1995-1992	7.4 V8	N				250-21001		
<b>C3500</b>								
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		
<b>C3500HD</b>								
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
<b>Camaro</b>								
2021-2016	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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Camaro (cont'd)</b>								
1992-1990	3.1 V6	T				250-21001		
1995-1993	3.4 V6	S			Left Right	250-21001 250-21001		
2021-2018	3.6 V6	S	LGX		Left Right	250-241268 250-241268		250-241238 250-241238
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 A/T	Left Right	250-24869 250-24869		250-24746 250-24773
2015-2013	3.6 V6	3	LFX	M/T M/T	Left Right	250-24869 250-24869		250-24773 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 A/T	Left Right	250-24869 250-24869		250-24746 250-24773
2011-2010	3.6 V6	D, V	LLT	M/T M/T	Left Right	250-24869 250-24869		250-24773 250-24773
2002-2001	3.8 V6	K			Right	250-24018		
2002-2001	3.8 V6	K			Left	250-24018		•250-24340
2000-1998	3.8 V6	K		2 Wire Sensor in Manifold	Right	250-22013		
2000-1998	3.8 V6	K		2 Wire Sensor in Manifold				•250-24340
2000-1998	3.8 V6	K		2 Wire Sensor in Manifold	Left	250-22013		
2000-1998	3.8 V6	K		4 Wire Sensor in Manifold	Right	250-24018		
2000-1998	3.8 V6	K		4 Wire Sensor in Manifold				•250-24340
1997	3.8 V6	K		4 Wire Sensor in Manifold	Left	250-24018		
1997	3.8 V6	K			Right	250-24018	250-24340	•250-24340
1996-1995	3.8 V6	K			Left	250-24018		
1996	3.8 V6	K			Right	250-24012	250-24340	•250-24340
					Left	250-24012		
1995	3.8 V6				Left	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			Right	250-24012	250-24340	•250-24340
1997-1996	5.7 V8	P						
1995-1994	5.7 V8	P			Left Left Right	250-24012 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		
2021-2017	6.2 V8	6	LT4	Supercharged Supercharged	Left Right	250-241133 250-241133		250-241132 250-241132
2021-2016	6.2 V8	7	LT1		Left Right	250-241133 250-241133		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
<b>Caprice</b>								
2017-2012	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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Caprice (cont'd)</b>								
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		
2017-2014	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
<b>Captiva Sport</b>								
2015-2012	2.4 L4	K	LEA			250-24704		250-24708
2011	2.4 L4					250-24704		250-241128
2010	2.4 L4					250-24708		250-241128
2015-2011	3.0 V6	5, Y	LF1, LFW		Left Right	250-24649 250-24649		250-24649 250-24649
2009	3.6 V6				Front Rear	250-24470 250-24470		250-24736 250-24728
<b>Cavalier</b>								
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		
<b>Celebrity</b>								
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		
<b>Chevette</b>								
1987-1983	1.6 L4	C			1 Wire Sensor	250-21001		
1982	1.6 L4	C				250-21001		
1981-1980	1.6 L4	0, 9			1 Wire Sensor	250-21001		
1981-1980	1.6 L4	0, 9			2 Wire Sensor	250-22001		
<b>Chevy</b>								
2012-2010	1.6 L4		LLQ			250-24340		250-24339
2009-2008	1.6 L4		LLQ			250-24267		250-24836
2007-2006	1.6 L4					250-24267		250-24269
<b>Chevy Monza</b>								
2003	1.6 L4					250-24267		250-24339
<b>Cheyenne</b>								
2017-2014	5.3 V8		L83		Left Right	250-241162 250-241162		250-241132 250-241132
2017-2014	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132
<b>Citation</b>								
1983-1982	2.5 L4	R				250-21001		
1983-1982	2.5 L4	5		Canada; Eng. Vin 5		250-21001		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Citation (cont'd)</b>								
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		
<b>Citation II</b>								
1985-1984	2.5 L4	R				250-21001		
1985-1984	2.8 V6	W, X, Z				250-21001		
<b>City Express</b>								
2018-2015	2.0 L4	3	LOA			250-54102		250-241108
<b>Classic</b>								
2005-2004	2.2 L4	F	L61			250-24273		250-24321
<b>Cobalt</b>								
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
<b>Colorado</b>								
2021-2015	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
2021-2017	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
<b>Corsica</b>								
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		
<b>Corvette</b>								
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 Base Model	Left Right	250-24012 250-24012		
1995-1990	5.7 V8	J		ZR-1 Model ZR-1 Model	Left Right	250-23005 250-23005		
1993-1990	5.7 V8	8, P		Base Model Base Model	Left Right	250-21001 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	LS2		Left Right	250-24492 250-24492		250-24836 250-24836
2021-2020	6.2 V8	4	LT2		Left Right	250-25128 250-25128		250-241269 250-241269
2019-2015	6.2 V8	6, 9	LT4, LT5	Supercharged Supercharged	Left Right	250-241133 250-241133		250-241132 250-241132
2019-2014	6.2 V8	7	LT1		Left Right	250-241133 250-241133		250-241132 250-241132
2013-2009	6.2 V8	R, T	LS9	Supercharged Supercharged	Left Right	250-24491 250-24491		250-24736 250-24736
2013-2008	6.2 V8	W	LS3	Naturally Aspirated Naturally Aspirated	Left Right	250-24492 250-24492		250-24736 250-24736

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Corvette (cont'd)</b>								
2013-2010	7.0 V8	E			Left Right	250-24491 250-24491		250-24736 250-24736
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
<b>Cruze</b>								
2019-2016	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
2015-2010	1.8 L4	G, H	LUW, LWE			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		
<b>Cruze Limited</b>								
2016	1.4 L4	B	LUV			250-24847		250-24612
2016	1.8 L4	G, H	LUW, LWE			250-24648		250-24612
<b>El Camino</b>								
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		
<b>Epica</b>								
2006-2004	2.5 L6	L		Canada Canada	Cyl 1-3 Cyl 4-6	250-24384 250-24384		250-24691 250-24691
<b>Equinox</b>								
2021-2018	1.5 L4	V	LYX			250-241188		250-241188
2020-2018	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
<b>Express 1500</b>								
2014-2008	4.3 V6	X	LU3		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 OEM Sensor Length 14.75" 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-24267 250-241119		250-24267 250-241119
2003	4.3 V6	X		2nd Design - Right OEM Sensor Length 12.25" 2nd Design - Right OEM Sensor Length 12.25"	Left Right	250-24267 250-24339		250-24267 250-24339
2002-1998	4.3 V6	W				250-24012		
2002-1998	4.3 V6	W						•250-24018
1997-1996	4.3 V6	W			Left Left Right	250-24012 250-24012 250-24012		250-24018 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			Right	250-24012		
1998	5.0 V8	M						•250-24018
1997-1996	5.0 V8	M			Left Left Right	250-24012 250-24012 250-24012		250-24018 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



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Express 1500 (cont'd)</b>								
2006-2004	5.3 V8	T			Left Right	250-241119 250-24339		250-241119 250-24339
2003	5.3 V8	T		1st Design - Right OEM Sensor Length 14.75"	Left	250-241119		250-241119
				1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-241119
2003	5.3 V8	T		2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		250-24339
2002-1996	5.7 V8	R			Left Right	250-24012 250-24012		250-24018 250-24018
<b>Express 2500</b>								
2021-2020	4.3 V6	P	LV1		Left Right	250-241268 250-241268		250-241212 250-241212
2019-2018	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 OEM Sensor Length 14.75"	Left	250-241119		250-241119
				1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-241119
2003	4.3 V6	X		2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		250-24339
2002-1996	4.3 V6	W		Over GVW 8,500 Lbs.	Left	250-24019		250-24018
				Over GVW 8,500 Lbs.	Right	250-24019		250-24018
2002-1996	4.3 V6	W		Under GVW 8,500 Lbs.	Left	250-24012		250-24018
				Under GVW 8,500 Lbs.	Right	250-24012		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 OEM Sensor Length 14.75"	Left	250-241119		250-241119
				1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-24267
2003	4.8 V8	V		2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		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 OEM Sensor Length 14.75"	Left	250-241119		250-241119
				1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-241119
2003	5.3 V8	T		2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		250-24339
2002-1996	5.7 V8	R		Over GVW 8,500 Lbs.	Left	250-24019		250-24018
				Over GVW 8,500 Lbs.	Right	250-24019		250-24018
2002-1996	5.7 V8	R		Under GVW 8,500 Lbs.	Left	250-24012		250-24018
				Under GVW 8,500 Lbs.	Right	250-24012		250-24018
2020-2016	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	Left	250-241128		250-24491
				Passenger & Cargo Vans	Right	250-241128		250-24491
2012	6.0 V8	B, G		Cutaway Van	Left	250-24492		250-24491
				Cutaway Van	Right	250-24492		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 - Right OEM Sensor Length 14.75"	Left	250-241119		250-241119
				CNG, 1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-241119
2004	6.0 V8	U		CNG, 2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				CNG, 2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		250-24339
2004	6.0 V8	U		Gas	Left	250-241119		250-24267
				Gas	Right	250-24339		250-24339
2003	6.0 V8	U		1st Design - Right OEM Sensor Length 14.75"	Left	250-241119		250-241119
				1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-241119

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Express 2500 (cont'd)</b>								
2003	6.0 V8	U		2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		250-24339
2021	6.6 V8	7	L8T		Left	250-241268		250-241212
					Right	250-241268		250-241212
<b>Express 3500</b>								
2021	4.3 V6	P	LV1		Left	250-241268		250-241212
					Right	250-241268		250-241212
2020-2018	4.3 V6	P	LV1		Left	250-241162		250-241132
					Right	250-241162		250-241132
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
2007-2005	4.8 V8	V			Left	250-241119		250-241119
					Right	250-24339		250-24339
2002-1999	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
1998-1997	5.7 V8	R		4L80-E 4L80-E	Left	250-24019		250-24018
					Right	250-24019		250-24018
1996	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
2020-2016	6.0 V8	B, G	L96, LC8		Left	250-241162		250-241132
					Right	250-241162		250-241132
2015-2014	6.0 V8	B, G	L96, LC8		Left	250-241128		250-24491
					Right	250-241128		250-24491
2013-2012	6.0 V8	B, G		Cutaway Van Cutaway Van	Left	250-24492		250-24491
					Right	250-24492		250-24491
2013-2012	6.0 V8	B, G		Passenger & Cargo Vans Passenger & Cargo Vans	Left	250-241128		250-24491
					Right	250-241128		250-24491
2011-2008	6.0 V8	B, G, K	L96	Cutaway Chassis Cutaway Chassis	Left	250-24492		250-24491
					Right	250-24492		250-24491
2011-2008	6.0 V8	B, G, K	L96	Exc.Cutaway Chassis Exc.Cutaway Chassis	Left	250-241128		250-24491
					Right	250-241128		250-24491
2007-2006	6.0 V8	U			Left	250-241119		250-241119
					Right	250-24339		250-24339
2005	6.0 V8	U			Left	250-241119		250-24267
					Right	250-24339		250-24339
2004	6.0 V8	U		CNG, 1st Design - Right OEM Sensor Length 14.75"	Left	250-241119		250-241119
				CNG, 1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-241119
2004	6.0 V8	U		CNG, 2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				CNG, 2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		250-24339
2004	6.0 V8	U		Gas Gas	Left	250-241119		250-24267
					Right	250-24339		250-24339
2003	6.0 V8	U		1st Design - Right OEM Sensor Length 14.75"	Left	250-241119		250-241119
				1st Design - Right OEM Sensor Length 14.75"	Right	250-241119		250-241119
2003	6.0 V8	U		2nd Design - Right OEM Sensor Length 12.25"	Left	250-241119		250-241119
				2nd Design - Right OEM Sensor Length 12.25"	Right	250-24339		250-24339
2021	6.6 V8	7	L8T		Left	250-241268		250-241212
					Right	250-241268		250-241212
2000-1996	7.4 V8	J			Left	250-24019		250-24018
					Right	250-24019		250-24018
2002-2001	8.1 V8	G			Left	250-24248		250-24248
					Right	250-24248		250-24248
<b>Express 4500</b>								
2019	6.0 V8	B, G	L96, LC8		Left	250-241162		250-241132
					Right	250-241162		250-241132
2018	6.0 V8	B, G	L96, LC8		Left	250-241133		250-241132
					Right	250-241133		250-241132
2017	6.0 V8	G	L96		Left	250-241162		250-241132
					Right	250-241162		250-241132
2016-2009	6.0 V8	B, G, K	L96, LC8		Left	250-24492		250-24491
					Right	250-24492		250-24491
<b>Express Cargo</b>								
2017	6.0 V8	G	L96		Left	250-241128		250-24491
					Right	250-241128		250-24491
2016	6.0 V8		LY6		Left	250-241162		250-241132
					Right	250-241162		250-241132





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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Express Pasajeros</b>								
2017	6.0 V8	G	L96		Left Right	250-241128 250-241128		250-24491 250-24491
2016	6.0 V8		LY6		Left Right	250-241162 250-241162		250-241132 250-241132
<b>G10</b>								
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		
<b>G20</b>								
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		
<b>G30</b>								
1984-1981	4.1 L6	D				250-21001		
2001	4.3 V6				Left Right	250-24019 250-24019		250-24018 250-24018
1996-1995	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					250-21001		
1982	5.0 V8	F				250-21001		
1996-1980	5.7 V8	K, L, M				250-21001		
1996	7.4 V8	J	L29		Left Right	250-24019 250-24019		250-24018 250-24018
1995-1988	7.4 V8	N				250-21001		
<b>HHR</b>								
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
<b>Impala</b>								
2014	2.4 L4					250-24492		250-24698
2019-2014	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						•250-24736
2011-2006	3.5 V6	K, N	LZ4, LZE		Front Rear	250-24470 250-24470		
2007-2006	3.5 V6	K, N	LZ4, LZE					•250-24836
2020-2014	3.6 V6	3, N	LFR, LFX		Front Front Rear	250-24470 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						•250-24736
2011-2007	3.9 V6	3, M, R			Front Rear	250-24470 250-24470		
2007	3.9 V6	R						•250-24836
2007	3.9 V6	R		Police Model	Front	250-24470		
2007	3.9 V6	R		Police Model	Rear	250-24470		•250-24836
2007	3.9 V6	R		Police Model	Front	250-24470		
2006	3.9 V6	1	LZ9			250-24470		250-24836

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Impala (cont'd)</b>								
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		
<b>Impala Limited</b>								
2016-2014	3.6 V6	3	LFX		Left Right	250-24649		250-24649
						250-24649		250-24649
<b>K5 Blazer</b>								
1986-1983	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L				250-21001		
<b>K10</b>								
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		
<b>K10 Suburban</b>								
1986	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L				250-21001		
<b>K20</b>								
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		
<b>K20 Suburban</b>								
1985	5.0 V8	H				250-21001		
1986-1983	5.7 V8	L, M				250-21001		
<b>K30</b>								
1986-1983	4.8 L6	T				250-21001		
1986-1983	5.7 V8	M				250-21001		
1986-1983	7.4 V8	W				250-21001		
<b>K1500</b>								
1998	4.3 V6	W			Left Right Right	250-24012 250-24012		•250-24018
1997-1996	4.3 V6	W				250-24012		
1997-1996	4.3 V6	W			Left	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		w/ Trans Code 4L60-E		250-21001		



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>K1500 Suburban</b>								
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		
<b>K2500</b>								
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 w/o Trans Code 4L60-E	Left Right	250-24019 250-24019		250-24018 250-24018
1998-1997	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
1998-1996	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
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
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 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		
<b>K2500 Suburban</b>								
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		
<b>K3500</b>								
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		
<b>LCF 3500</b>								
2018	6.0 V8	G	L96		Left Right	250-241133 250-241133		250-241132 250-241132
<b>LLV</b>								
1995-1994	2.2 L4	4				250-21001		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>LLV (cont'd)</b>								
1993-1987	2.5 L4	A, E				250-21001		
<b>Lumina</b>								
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			Right	250-24012		
1996	3.1 V6	M						•250-24340
1995	3.1 V6	M			Left Left Right	250-24012 250-24012 250-24012		
1994	3.1 V6	T				250-21001		
1993	3.1 V6	T, W		Calif-ESV		250-23005		
1993	3.1 V6	T, W		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
<b>Lumina APV</b>								
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		
<b>Lumina Van</b>								
1995	3.8 V6					250-24012		
<b>LUV</b>								
1982-1980	1.8 L4	N				250-21001		
<b>Malibu</b>								
2021-2016	1.5 L4	T	LFV			250-241188		250-241188
2019-2016	1.8 L4	U	LKN	Hybrid		250-241133		250-241132
2021-2016	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
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Malibu (cont'd)</b>								
1981-1980	5.0 V8	H				250-22001		
1981-1980	5.7 V8	L				250-22001		
<b>Malibu Limited</b>								
2016	2.5 L4	A	LCV			250-241133		250-241132
<b>Matiz</b>								
2015-2011	1.0 L4		LA2			250-24067		250-241001
<b>Metro</b>								
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		
<b>Monte Carlo</b>								
1999-1997	3.1 V6	M				250-24018		250-24340
1996	3.1 V6	M			Front	250-24012		•250-24340
					Rear	250-24012		
1995	3.1 V6	M			Front	250-24012		
					Rear	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	250-24012		
					Rear	250-24012		
2007-2006	3.5 V6	K, N	LZ4, LZE		Rear	250-24470		
2007-2006	3.5 V6	K, N	LZ4, LZE		Front	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		Rear	250-24470		
2006	3.9 V6	1	LZ9		Front	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		
1981-1980	5.0 V8	H				250-22001		
2007-2006	5.3 V8	C				250-24703		250-24836
<b>Monza</b>								
1980	2.5 L4	V				250-22001		
1980-1979	3.8 V6	2, A				250-22001		
<b>Nova</b>								
1988-1985	1.6 L4	4				250-21056		
1988	1.6 L4	5		Fuel Injection		250-24150		
<b>Optra</b>								
2010-2009	2.0 L4	Z				250-24384		250-24183
2008	2.0 L4	Z				250-24628		250-24183
2007-2006	2.0 L4					250-24628		250-24447
2007-2006	2.0 L4			Canada		250-24628		250-24183
<b>Orlando</b>								
2014-2012	2.4 L4	K, M, T	LAF, LEA			250-24704		250-24708
<b>P20</b>								
1989-1983	4.8 L6	T				250-21001		
1989-1983	5.7 V8	K, M				250-21001		
<b>P30</b>								
1999-1996	4.3 V6	W			Right	250-24019		
1999-1996	4.3 V6	W			Left	250-24019		•250-24018
1995	4.3 V6	Z				250-24012		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>P30 (cont'd)</b>								
1994-1993	4.3 V6	Z				250-23005		
1992-1990	4.3 V6	Z				250-21001		
1989-1983	4.8 L6	T				250-21001		
2000	5.7 V8	R	L31			250-21001		250-24018
1999-1996	5.7 V8	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		
<b>Prizm</b>								
2002-1998	1.8 L4	8				250-241099		250-24107
<b>R10</b>								
1987	4.3 V6	Z				250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		
<b>R10 Suburban</b>								
1987	5.0 V8	H				250-21001		
1988-1987	5.7 V8	K				250-21001		
<b>R20</b>								
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		
<b>R20 Suburban</b>								
1988-1987	5.7 V8	K				250-21001		
1988-1987	7.4 V8	N				250-21001		
<b>R30</b>								
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		
<b>R1500 Suburban</b>								
1991-1989	5.7 V8	K				250-21001		
<b>R2500</b>								
1989	5.7 V8					250-21001		
1989	7.4 V8	N				250-21001		
<b>R2500 Suburban</b>								
1991-1989	5.7 V8	K				250-21001		
1991-1989	7.4 V8	N				250-21001		
<b>R3500</b>								
1991-1989	5.7 V8	K				250-21001		
1991-1989	7.4 V8	N, W				250-21001		
<b>S10</b>								
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			Right	250-24269		
2004-2002	4.3 V6	W, X			Left	250-24269		•250-24269
2001-1999	4.3 V6	W, X			Left Right	250-24012 250-24012		•250-24012
2001-1996	4.3 V6	W, X			Left	250-24012	250-24012	•250-24012
1998-1996	4.3 V6	W, X				250-24012		
1995-1994	4.3 V6	W, Z		3 Wire Sensor		250-23005		
1995-1994	4.3 V6	W		4 Wire Sensor		250-24012		
1993-1992	4.3 V6	Z				250-23005		



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>S10 (cont'd)</b>								
1991-1988	4.3 V6	Z				250-21001		
<b>S10 Blazer</b>								
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	4.3 V6	W, Z		3 Wire Sensor		250-23005		
1994	4.3 V6	W		4 Wire Sensor		250-24012		
1993-1992	4.3 V6	W, Z				250-23005		
1991-1988	4.3 V6	Z				250-21001		
<b>Silverado 1500</b>								
2021-2019	2.7 L4	K	L3B			250-25128		250-241269
2021	4.3 V6	H	LV3		Left	250-241268		250-241212
					Right	250-241268		250-241212
2020	4.3 V6	H	LV3		Left	250-241268		250-241212
					Right	250-241266		250-241212
2019-2014	4.3 V6	H	LU3, LV3		Left	250-241162		250-241132
					Right	250-241162		250-241132
2013-2008	4.3 V6	X	LU3		Left	250-24703		250-24704
					Right	250-24703		250-24704
2013	4.3 V6		LU3		Left	250-24704		250-24703
					Right	250-24704		250-24703
2010	4.3 V6		LU3		Left	250-24704		250-24703
					Right	250-24704		250-24703
2007	4.3 V6	X			Left	250-24703		250-24355
					Right	250-24703		250-24355
2006-2003	4.3 V6	X			Left	250-241119		250-241119
					Right	250-241119		250-241119
2002-1999	4.3 V6	W			Left	250-24012		250-24018
					Right	250-24012		250-24018
2002	4.3 V6	X		W/ Engine Vin X W/ Engine Vin X	Left	250-24269		250-24269
					Right	250-24269		250-24269
2013-2008	4.8 V8	A, C	L20		Left	250-24470		250-24736
					Right	250-24470		250-24736
2007	4.8 V8	C			Left	250-24470		250-24267
					Right	250-24470		250-24267
2006	4.8 V8	V			Left	250-24703		250-24355
					Right	250-24703		250-24355
2005-2003	4.8 V8	V			Left	250-241119		250-241119
					Right	250-241119		250-241119
2002-2000	4.8 V8	V		Canada Built Vehicle Canada Built Vehicle	Left	250-24269		250-24269
					Right	250-24269		250-24269
2002-2000	4.8 V8	V		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left	250-24012		250-24018
					Right	250-24012		250-24018
1999	4.8 V8	V			Left	250-24012		250-24018
					Right	250-24012		250-24018
2021	5.3 V8	D, F	L82, L84		Left	250-241268		250-241212
					Right	250-241268		250-241212
2020	5.3 V8	F	L82		Left	250-241268		250-241212
					Right	250-241266		250-241212
2019-2014	5.3 V8	C, F	L82, L83		Left	250-241162		250-241132
					Right	250-241162		250-241132
2018-2016	5.3 V8	R	L8B	Hybrid Hybrid	Left	250-241162		250-241132
					Right	250-241162		250-241132
2013-2008	5.3 V8	0, 3, 7, J, M	LC9, LMG, LY5		Left	250-24470		250-24736
					Right	250-24470		250-24736
2007	5.3 V8				Left	250-24470		250-24267
					Right	250-24470		250-24267
2006	5.3 V8	B, T	L59		Left	250-24703		250-241128
					Right	250-24703		250-241128
2005-2003	5.3 V8	B, T, Z			Left	250-24470		250-24470
					Right	250-24470		250-24470
2002-2000	5.3 V8	T		Canada Built Vehicle Canada Built Vehicle	Left	250-24269		250-24269
					Right	250-24269		250-24269
2002-2000	5.3 V8	T		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left	250-24012		250-24018
					Right	250-24012		250-24018
2002	5.3 V8	Z			Left	250-24269		250-24269
					Right	250-24269		250-24269
1999	5.3 V8	T			Left	250-24012		250-24018
					Right	250-24012		250-24018

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Silverado 1500 (cont'd)</b>								
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
2021	6.2 V8	L	L87		Left Right	250-241268 250-241268		250-241212 250-241212
2020	6.2 V8	L	L87		Left Right	250-241268 250-241266		250-241212 250-241212
2019-2014	6.2 V8	J, L	L86, L87		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
<b>Silverado 1500 Classic</b>								
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
<b>Silverado 1500 HD</b>								
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
<b>Silverado 1500 HD Classic</b>								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
<b>Silverado 2500</b>								
2017	4.3 V6	H	LV3		Left Right	250-241162 250-241162		250-241132 250-241132
2017-2014	5.3 V8				Left Right	250-241162 250-241162		250-241132 250-241132
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
<b>Silverado 2500 HD</b>								
2019-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241133 250-241133		250-241132 250-241132
2015-2011	6.0 V8	B, G	L96, LC8		Left Right	250-24492 250-24492		250-24736 250-24736
2010-2008	6.0 V8	G, K			Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K			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
2021-2020	6.6 V8	7	L8T		Left Right	250-241268 250-241268		250-241212 250-241212



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Silverado 2500 HD (cont'd)</b>								
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
<b>Silverado 2500 HD Classic</b>								
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
<b>Silverado 3500</b>								
2017-2016	6.0 V8				Left Right	250-241133 250-241133		250-241132 250-241132
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
<b>Silverado 3500 Classic</b>								
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
<b>Silverado 3500 HD</b>								
2019-2016	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
2021-2020	6.6 V8	7	L8T		Left Right	250-241268 250-241268		250-241212 250-241212
<b>Sonic</b>								
2020-2012	1.4 L4	B	LUV			250-24847		250-24612
2017-2012	1.6 L4					250-24648		250-24612
2018-2012	1.8 L4	G, H	LUW, LWL			250-24648		250-24612
<b>Spark</b>								
2015-2013	1.2 L4	9	LL0			250-24470		250-24703
2022-2017	1.4 L4	A	LV7			250-241188		250-241188
2016	1.4 L4	A	LV7			250-24470 250-241188		250-24703 250-241188
<b>Spark Classic</b>								
2017-2016	1.2 L4					250-24470		250-24703
<b>Spectrum</b>								
1988-1985	1.5 L4	7, 9, K				250-21001		
<b>Sprint</b>								
1992-1989	1.0 L3	2, 6		Canada		250-21001		
1988-1987	1.0 L3	2, 5				250-21001		
1986-1985	1.0 L3	5, M				250-21009		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>SS</b>								
2017-2014	6.2 V8	W	LS3		Left Right	250-24491 250-24491		250-24736 250-24736
<b>SSR</b>								
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		1st Design - Downstream Square Connector 2nd Design - Downstream Triangular Connector	Left Right	250-24704 250-24704		250-24950 250-24950
2005	6.0 V8	H		2nd Design - Downstream Triangular Connector	Left Right	250-24470 250-24470		250-24836 250-24836
<b>Suburban</b>								
2021	5.3 V8	D	L84		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2016	5.3 V8	C	L83		Left Right	250-241162 250-241133		250-241132 250-241132
2015	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
2014	5.3 V8				Left Right	250-24470 250-24470		250-24736 250-24736
1994-1987	5.7 V8					250-21001		
2017-2016	6.0 V8	G	L96		Left Right	250-241133 250-241133		250-241132 250-241132
2021	6.2 V8	L	L87		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2019	6.2 V8	J	L86		Left Right	250-241162 250-241133		250-241132 250-241132
<b>Suburban 1500</b>								
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 Canada Built Vehicle	Left Right	250-24269 250-24269		250-24269 250-24269
2002-2000	5.3 V8	T, Z		Exc.Canada Built Vehicle Exc.Canada Built Vehicle	Left Right	250-24012 250-24012		250-24018 250-24018
1995	5.7 V8	R	L31			250-21001		
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
<b>Suburban 2500</b>								
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
<b>Suburban 3500 HD</b>								
2019-2016	6.0 V8	G	L96		Left Right	250-241133 250-241133		250-241132 250-241132

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Tahoe</b>								
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
2021	5.3 V8	D	L84		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2016	5.3 V8	C	L83		Left Right	250-241162 250-241133		250-241132 250-241132
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			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
2021	6.2 V8	L	L87		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2018	6.2 V8	J	L86		Left Right	250-241162 250-241133		250-241132 250-241132
2018	6.2 V8	J	L86		Right	250-241162		
2009	6.2 V8	2	L9H		Left Right	250-24470 250-24470		250-24736 250-24736
<b>Tornado</b>								
2017-2015	1.8 L4		LJ1					250-24577
2014-2011	1.8 L4		LJ1			250-24119		250-24577
2010-2004	1.8 L4					250-21001		250-24577
<b>Tracker</b>								
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			Right	250-24372		
2004-2001	2.5 V6	4			Left	250-24372		•250-241120
<b>Trailblazer</b>								
2022-2021	1.2 L3	2	LIH			250-25155		250-241188
2022-2021	1.3 L3	L	L3T			250-25140		250-241269
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

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>Trailblazer (cont'd)</b>								
2003-2002	4.2 L6	S				250-24355		250-24339
2008	5.3 V8	M			Left	250-24704		250-24703
					Right	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 Triangular Connector	Left	250-24704		250-24950
				2nd Design - Downstream Triangular Connector	Right	250-24704		250-24950
2009-2008	6.0 V8	H			Left	250-24704		250-24703
					Right	250-24704		250-24491
2007	6.0 V8	H			Left	250-24704		250-24950
					Right	250-24704		250-24950
2006	6.0 V8	H		1st Design - Downstream Square Connector	Left	250-24704		250-24339
				1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	6.0 V8	H		2nd Design - Downstream Triangular Connector	Left	250-24704		250-24950
				2nd Design - Downstream Triangular Connector	Right	250-24704		250-24950
<b>Trailblazer EXT</b>								
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
				1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M	LH6	2nd Design - Downstream Triangular Connector	Left	250-24704		250-24950
				2nd Design - Downstream Triangular Connector	Right	250-24704		250-24950
2005	5.3 V8				Left	250-24470		250-24836
					Right	250-24470		250-24836
2004-2003	5.3 V8				Left	250-24269		250-24836
					Right	250-24269		250-24836
<b>Traverse</b>								
2019-2018	2.0 L4	X	LTG	Turbocharged		250-25128		250-241132
2021-2018	3.6 V6	W	LFY		Front	250-241212		250-241212
					Rear	250-241212		250-241212
2017-2012	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
<b>Trax</b>								
2021-2014	1.4 L4	B	LUV			250-24847		250-24612
2021	1.4 L4	M	LE2			250-241188		250-241188
2017-2014	1.8 L4					250-24648		250-24612
<b>Uplander</b>								
2006-2005	3.5 V6					250-24470		250-24267
2006-2005	3.5 V6	L				250-24470		250-24836
2009-2008	3.9 V6	1, W	LGD					•250-24736
					Front	250-24470		
2009-2007	3.9 V6	1, W	LGD		Rear	250-24470		
2007	3.9 V6	1, W	LGD					•250-24836
					Front	250-24470		
2006	3.9 V6	1				250-24470		250-24836
<b>V10</b>								
1987	4.3 V6	Z		Calif-ESV		250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		
<b>V10 Suburban</b>								
1988-1987	5.7 V8	K				250-21001		
<b>V20</b>								
1987	4.8 L6	T				250-21001		
1987	5.7 V8	K				250-21001		
<b>V20 Suburban</b>								
1988-1987	5.7 V8	K				250-21001		
1988-1987	7.4 V8	N				250-21001		



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHEVROLET (cont'd)</b>								
<b>V30</b>								
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		
<b>V1500 Suburban</b>								
1991-1989	5.7 V8	K				250-21001		
<b>V2500 Suburban</b>								
1991-1989	5.7 V8	K				250-21001		
1990	7.4 V8	N				250-21001		
<b>V3500</b>								
1991-1989	5.7 V8	K				250-21001		
1991-1989	7.4 V8	N, W				250-21001		
<b>Vectra</b>								
2005-2003	2.2 L4					250-21001		250-24612
2008-2006	2.8 V6					250-24949		250-24694
<b>Venture</b>								
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
<b>Volt</b>								
2015-2011	1.4 L4	4	LUU			250-24847		250-24649
2019-2018	1.5 L4	5	L3A			250-241162		250-241188
2017-2016	1.5 L4	5	L3A			250-241188		250-241188
<b>CHRYSLER</b>								
<b>200</b>								
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	250-24680		250-24253
					Rear	250-24680		250-24253
2016-2015	3.6 V6	G	ERB		Front	250-24253		250-24680
					Rear	250-24253		250-24680
2014-2012	3.6 V6	G	ERB		Front	250-24680		250-24253
					Rear	250-24680		250-24680
2011	3.6 V6	G	ERB		Front	250-24680		250-24680
					Rear	250-24680		250-24680
<b>300</b>								
2010-2008	2.7 V6	D, R	EER		Left	250-24253		250-24253
					Right	250-24253		250-24460
2007-2005	2.7 V6	R	EER		Left	250-24253		250-24253
					Right	250-24253		250-24253
2010-2008	3.5 V6	G, V			Left	250-24253		250-24253
					Right	250-24253		250-24253
2007	3.5 V6	G		Calif-ESV	Left	250-24253		250-24253
				Calif-ESV	Right	250-24253		250-24460
2007	3.5 V6	G		Non Calif-ESV	Left	250-24253		250-24253
				Non Calif-ESV	Right	250-24253		250-24253
2006-2005	3.5 V6	G			Left	250-24253		250-24253
					Right	250-24253		250-24253
2020	3.6 V6	G	ERB		Right	250-24680		250-24253
2020	3.6 V6	G	ERB		Left	250-24680		250-24253
					Left	250-24680		250-24680
2019-2016	3.6 V6	G	ERB		Left	250-24680		250-24680
					Right	250-24680		250-24253
2015	3.6 V6	G	ERB		Left	250-24680		250-24680
					Right	250-24253		250-24253
2014	3.6 V6	G	ERB		Left	250-24680		250-24680
					Right	250-24680		250-24253
2013-2011	3.6 V6	G	ERB		Left	250-24680		250-24680
					Right	250-24680		250-24680
2020-2016	5.7 V8	T	EZH		Left	250-24253		250-24680
					Right	250-24680		250-24680
2015	5.7 V8	T	EZH		Left	250-24253		250-24680
					Right	250-24253		250-24253
2014-2013	5.7 V8	T	EZH		Left	250-24680		250-24680
					Right	250-24680		250-24680
2012-2008	5.7 V8	H, T	EZD, EZH		Left	250-24253		250-24253
					Right	250-24253		250-24253

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHRYSLER (cont'd)</b>								
<b>300 (cont'd)</b>								
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
<b>300M</b>								
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
<b>Aspen</b>								
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
<b>Cirrus</b>								
2000	2.0 L4	C				250-24942		250-24943
2000-1998	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
1996	2.5 V6	H	EEB			250-24002		250-24002
1995	2.5 V6	H	EEB			250-24004		250-24002
<b>Concorde</b>								
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		
<b>Conquest</b>								
1989-1987	2.6 L4	H, N				250-21060		
<b>Cordoba</b>								
1983	3.7 L6					250-21002		
1981-1980	3.7 L6	C, D				250-21002		
1983-1981	5.2 V8	K, M, P				250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
<b>Crossfire</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHRYSLER (cont'd)</b>								
<b>E Class</b>								
1984-1983	2.2 L4	C, E				250-21002		
1984	2.6 L4	G				250-21005		
<b>Executive Limousine</b>								
1985	2.6 L4	G				250-21005		
<b>Executive Sedan</b>								
1984	2.6 L4	G				250-21005		
<b>Fifth Avenue</b>								
1983	3.7 L6	H				250-21002		
1989-1983	5.2 V8	P				250-21002		
<b>Grand Voyager</b>								
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
2002-2001	3.8 V6	L				250-24294		250-24944
2000-1996	3.8 V6					250-24942		250-24081
1995	3.8 V6					250-24942		
<b>Imperial</b>								
1991-1990	3.3 V6	R				250-24004		
1993-1991	3.8 V6	L				250-24004		
1982-1981	5.2 V8	J				250-21002		
<b>Intrepid</b>								
1997	3.5 V6				Front	250-24942		250-24002
					Rear	250-24942		250-24003
1994	3.5 V6					250-24004		
<b>Laser</b>								
1986-1984	2.2 L4	D, E				250-21002		
1986	2.5 L4	K				250-21002		
<b>LeBaron</b>								
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		
1995-1989	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	C, D, E, F				250-21002		
1981	5.2 V8	K, L				250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
<b>LHS</b>								
2001-1999	3.5 V6	G			Front	250-24942		250-24942
					Rear	250-24942		250-24942
1997-1996	3.5 V6	F			Front	250-24942		250-24002
					Rear	250-24942		250-24003
1995-1994	3.5 V6	F			Front	250-24004		
					Rear	250-24004		
<b>Newport</b>								
1981-1980	3.7 L6	C, E				250-21002		
1981	5.2 V8	K, L, M				250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
1980	5.9 V8	K		Calif-ESV		250-21002		
<b>New Yorker</b>								
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	250-24942		250-24002
					Rear	250-24942		250-24003

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHRYSLER (cont'd)</b>								
<b>New Yorker (cont'd)</b>								
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		
1982-1981	5.2 V8	K, M				250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
1980	5.9 V8	K		Calif-ESV		250-21002		
<b>Pacifica</b>								
2006-2005	3.5 V6	4				250-24251		250-241117
2004	3.5 V6	4				250-24835		250-24652
2020-2017	3.6 V6	7, G	EH3, ERC, ERF		Front Rear	250-24253 250-24253		250-24680 250-24680
2008-2006	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
<b>Prowler</b>								
2002-2001	3.5 V6	G			Left Right	250-24942 250-24942		250-24942 250-24942
<b>PT Cruiser</b>								
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			Non Turbo		250-24253		250-24345
2003	2.4 L4			Turbo		250-24253		250-24345
2002-2001	2.4 L4					250-24113		250-24942
<b>Sebring</b>								
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
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	Front Rear	250-24253 250-24253		250-24253 250-24253
2004	2.7 V6	R, T	EER	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
<b>Shadow</b>								
1990	2.2 L4					250-24004		
1994-1990	2.5 L4					250-24004		
<b>Stratus</b>								
1997	2.0 L4					250-24942		250-24074
1995	2.0 L4					250-24004		250-24002
<b>TC Maserati</b>								
1990	2.2 L4	R				250-23003		
1989	2.2 L4	P, R				250-24004		



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>CHRYSLER (cont'd)</b>								
<b>TC Maserati (cont'd)</b>								
1991-1990	3.0 V6	S				250-24004		
<b>Town &amp; Country</b>								
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		250-24680
						250-24253		250-24253
2014-2011	3.6 V6	G	ERB		Front Rear	250-24680		250-24680
						250-24680		250-24253
1981-1980	3.7 L6	C, E				250-21002		
2010-2006	3.8 V6	L, P				250-24675		250-24460
2005	3.8 V6	L		w/Next Gen. Eng. Controller		250-24675		250-24460
2005	3.8 V6	L		w/o Next Gen. Eng. Controller		250-24835		250-24460
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	L				250-24942		
1994	3.8 V6	L				250-24004		
2010-2008	4.0 V6	X			Front Rear	250-24253		250-24253
						250-24253		250-24253
1981-1980	5.2 V8	G, K				250-21002		
<b>Voyager</b>								
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
2008-2005	3.3 V6					250-24675		250-24460
2004	3.3 V6					250-24835		250-24460
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
2020	3.6 V6	G	ERC		Front Rear	250-24253		250-24680
						250-24253		250-24680
<b>DAEWOO</b>								
<b>Lanos</b>								
2002-1999	1.6 L4	6				250-22001		250-24012
<b>Leganza</b>								
2002-1999	2.2 L4	2	X22SE			250-22001		250-24012
<b>Nubira</b>								
2002-1999	2.0 L4	Z				250-22001		250-24406
<b>DAIHATSU</b>								
<b>Charade</b>								
1992-1988	1.0 L3	0				250-21056		
1992-1989	1.3 L4	2				250-21056		
<b>Rocky</b>								
1992-1990	1.6 L4	0				250-21056		
<b>DODGE</b>								
<b>400</b>								
1983-1982	2.2 L4					250-21002		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>600</b>								
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		
<b>Aries</b>								
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		
<b>Aspen</b>								
1980	3.7 L6	C, D				250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
1980	5.9 V8	L				250-21002		
<b>Attitude</b>								
2014	1.4 L4					250-24349		250-24577
2010-2006	1.4 L4					250-24349		250-24577
2014-2013	1.6 L4					250-25035		250-24982
2012-2006	1.6 L4					250-24349		250-24349
<b>Avenger</b>								
2010-2008	2.0 L4					250-24675		250-24675
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	Front	250-24942		250-24944
				Calif-ESV	Rear	250-24944		250-24944
2000-1998	2.5 V6			Non Calif-ESV	Front	250-24076		250-24075
				Non Calif-ESV	Rear	250-24076		250-24075
1997-1996	2.5 V6				Front	250-24003		250-24075
					Rear	250-24002		250-24075
1995	2.5 V6				Front	250-24003		
					Rear	250-24002		
2010-2008	2.7 V6	D, R	EER		Front	250-24253		250-24253
					Rear	250-24253		250-24253
2010-2008	3.5 V6	M, V			Front	250-24253		250-24253
					Rear	250-24253		250-24253
2014-2012	3.6 V6	G	ERB		Front	250-24680		250-24253
					Rear	250-24680		250-24680
2011	3.6 V6	G	ERB		Front	250-24680		250-24680
					Rear	250-24680		250-24680
<b>B150</b>								
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		
<b>B200</b>								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>B250</b>								
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		



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>B250 (cont'd)</b>								
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		
<b>B300</b>								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>B350</b>								
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		
<b>B1500</b>								
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
<b>B2500</b>								
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		
<b>B3500</b>								
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		
<b>Caliber</b>								
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
<b>Caravan</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Caravan (cont'd)</b>								
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	L		w/o LLE		250-24942		250-24081
1999-1996	3.8 V6	L		with LLE		250-24942		250-24082
<b>Challenger</b>								
2010-2009	3.5 V6	V			Left Right	250-24253 250-24253		250-24253 250-24253
2020	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24253
2019	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
2018-2015	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24253
2014-2011	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
2020-2017	5.7 V8	T	EZC		Left Right	250-24253 250-24680		250-24680 250-24680
2016-2015	5.7 V8	T	EZC, EZH		Left Right	250-24253 250-24253		250-24680 250-24680
2014-2013	5.7 V8	T	EZC, EZH		Left Right	250-24680 250-24680		250-24680 250-24680
2012-2009	5.7 V8	T	EZC, EZH		Left Right	250-24253 250-24253		250-24253 250-24253
2010-2008	6.1 V8	W			Left Right	250-24253 250-24253		250-24253 250-24253
2020-2018	6.2 V8	9	ESD, ESJ		Left Right	250-25128 250-25145		250-24680 250-24680
2017-2015	6.2 V8	9	ESD	SRT Hellcat SRT Hellcat	Left Right	250-25128 250-25128		250-24680 250-24680
2016-2015	6.2 V8	9	ESD		Left Right	250-25128 250-25145		250-24680 250-24680
2020-2015	6.4 V8	J	ESG, ESH		Left Right	250-24253 250-24680		250-24680 250-24680
2014-2013	6.4 V8	J	ESG, ESH		Left Right	250-24680 250-24680		250-24680 250-24680
2012-2011	6.4 V8	J	ESG, ESH		Left Right	250-24253 250-24253		250-24253 250-24253
<b>Charger</b>								
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 Right	250-24253 250-24253		250-24253 250-24460
2007-2006	2.7 V6	R	EER		Left Right	250-24253 250-24253		250-24253 250-24253
2010-2008	3.5 V6				Left Right	250-24253 250-24253		250-24253 250-24253
2007	3.5 V6			Calif-ESV Calif-ESV	Left Right	250-24253 250-24253		250-24253 250-24460
2007	3.5 V6			Non Calif-ESV Non Calif-ESV	Left Right	250-24253 250-24253		250-24253 250-24253
2006	3.5 V6				Left Right	250-24253 250-24253		250-24253 250-24253
2020-2015	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



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Charger (cont'd)</b>								
2013-2011	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
2020-2015	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
2020-2018	6.2 V8	9	ESD		Left Right	250-25128 250-25145		250-24680 250-24680
2017-2015	6.2 V8	9	ESD	SRT Hellcat SRT Hellcat	Left Right	250-25128 250-25128		250-24680 250-24680
2020-2015	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
<b>Colt</b>								
1984	1.4 L4					250-21005		
1994-1993	1.5 L4			Calif-ESV Non Calif-ESV		250-24020		250-24472
1994-1993	1.5 L4					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		
<b>Conquest</b>								
1986-1984	2.6 L4	H, N				250-21060		
<b>D100</b>								
1987-1985	3.7 L6					250-21002		
1980	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		
1988	5.9 V8					250-24004		
1987-1985	5.9 V8					250-21002		
<b>D150</b>								
1990-1980	3.7 L6					250-21002		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>D150 (cont'd)</b>								
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		
<b>D200</b>								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>D250</b>								
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		
<b>D300</b>								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>D350</b>								
1983-1981	5.2 V8					250-21002		
1993-1988	5.9 V8					250-24004		
1987-1981	5.9 V8					250-21002		
<b>Dakota</b>								
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				Left	250-24253		250-24460
					Right	250-24460		250-24460
2006	3.7 V6				Left	250-24680		250-24460
					Right	250-24460		250-24253
2005	3.7 V6				Left	250-24680		250-24460
					Right	250-24680		250-24253
2004	3.7 V6				Left	250-24253		250-24259
					Right	250-24253		250-24345
2003	3.9 V6				Left	250-24460		250-24259
					Right	250-24253		250-24345
2002	3.9 V6			Calif-ESV	Left	250-24460		250-24259
				Calif-ESV	Right	250-24253		250-24345
2002	3.9 V6			Non Calif-ESV		250-24345		250-24345
2001	3.9 V6				Left	250-24460		250-24259
					Right	250-24253		250-24345
2000-1998	3.9 V6					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		
2010-2008	4.7 V8				Left	250-24253		250-24460
					Right	250-24460		250-24460
2007	4.7 V8				Left	250-241117		250-24251
					Right	250-24251		250-24251
2006	4.7 V8				Left	250-241117		250-24251
					Right	250-24251		250-241117

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Dakota (cont'd)</b>								
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 A/T	Left Right	250-24249 250-24249		250-24276 250-24249
2001	4.7 V8			M/T 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 Calif-ESV	Left Right	250-24460 250-24253		250-24259 250-24345
2003-2002	5.9 V8			Non Calif-ESV		250-24345		250-24345
2001	5.9 V8				Left Right	250-24460 250-24253		250-24259 250-24345
2000	5.9 V8					250-24942		250-24942
1999-1998	5.9 V8				Right	250-24943		
1999-1998	5.9 V8				Left	250-24942		•250-24942
<b>Dart</b>								
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
<b>Daytona</b>								
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		
<b>Diplomat</b>								
1983-1980	3.7 L6	C, D				250-21002		
1989-1982	5.2 V8	4, K, L, M, N, P, R, S				250-21002		
1981	5.2 V8			Eng. Vin K, L, M, N		250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
<b>Durango</b>								
2020-2016	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
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Durango (cont'd)</b>								
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	Right	250-241118		
2003	4.7 V8	N		Non Calif-ESV Non Calif-ESV	Left	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	Right	250-241118		•250-24249
2002	4.7 V8	N		w/ Next Gen. Eng. Controller, Non Calif-ESV w/ Next Gen. Eng. Controller, Non Calif-ESV	Left	250-241118		
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
2020-2012	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
2020-2018	6.4 V8	J	ESG		Left Right	250-24253 250-24253		250-24680 250-24253
<b>Dynasty</b>								
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		
<b>Grand Caravan</b>								
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
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		





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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Grand Caravan (cont'd)</b>								
2020-2011	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	L				250-24942		
1994	3.8 V6	L				250-24004		
2010-2008	4.0 V6	X			Front Rear	250-24253 250-24253		250-24253 250-24253
<b>H100</b>								
2005-2004	2.4 L4					250-21005		250-24577
<b>i10</b>								
2014-2012	1.1 L4					250-24779		250-24577
<b>Intrepid</b>								
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		
<b>Journey</b>								
2020-2011	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
2019-2012	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
<b>Lancer</b>								
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		
<b>Magnum</b>								
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	Left	250-24253		250-24253
				Calif-ESV	Right	250-24253		250-24460
2007	3.5 V6	V		Non Calif-ESV	Left	250-24253		250-24253
				Non Calif-ESV	Right	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
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Magnum (cont'd)</b>								
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
<b>Mini Ram</b>								
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		
<b>Mirada</b>								
1983-1980	3.7 L6	C, D, E, H				250-21002		
1983-1981	5.2 V8	K, M, P				250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
1980	5.9 V8					250-21002		
<b>Monaco</b>								
1992-1991	3.0 V6	U				250-24013		
1990	3.0 V6	U				250-23501		
<b>Neon</b>								
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
<b>Nitro</b>								
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
<b>Omni</b>								
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		
<b>Power Ram 50</b>								
1986-1985	2.6 L4	E				250-21005		
<b>Raider</b>								
1989-1987	2.6 L4	E				250-21005		
1989	3.0 V6	S				250-22065		
<b>Ram 50</b>								
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		
<b>Ram 1500</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Ram 1500 (cont'd)</b>								
2003	3.7 V6			A/T	Left	250-24345		250-24345
				A/T	Right	250-24345		250-24345
2003	3.7 V6			M/T	Left	250-24345		250-24259
				M/T	Right	250-24345		250-24259
2002	3.7 V6				Left	250-24345		250-24259
					Right	250-24345		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	250-24253		250-24253
					Right	250-24253		250-24253
2007-2005	4.7 V8				Left	250-241117		250-241117
					Right	250-241117		250-241117
2004-2003	4.7 V8				Left	250-241118		250-241118
					Right	250-241118		250-241118
2002	4.7 V8			A/T, Calif-ESV	Left	250-24249		250-24276
				A/T, Calif-ESV	Right	250-24249		250-24249
2002	4.7 V8			A/T, Non Calif-ESV	Left	250-24249		250-24276
				A/T, Non Calif-ESV	Right	250-24249		250-24276
2002	4.7 V8			M/T, Calif-ESV	Left	250-24276		250-24276
				M/T, Calif-ESV	Right	250-24276		250-24249
2002	4.7 V8			M/T, Non Calif-ESV	Left	250-24276		250-24276
				M/T, Non Calif-ESV	Right	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	Right	250-24942		
2000	5.2 V8			A/T, Calif-ESV				●250-24943
				A/T, Calif-ESV	Left	250-24942		
2000	5.2 V8			A/T, Non Calif-ESV	Right	250-24943		
2000	5.2 V8			A/T, Non Calif-ESV				●250-24943
				A/T, Non Calif-ESV	Left	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			Round Connector		250-24943		
1995	5.2 V8			Square Connector		250-24004		
1994	5.2 V8					250-24002		
2010-2009	5.7 V8				Left	250-24253		250-24253
					Right	250-24460		250-24460
2008	5.7 V8				Left	250-24253		250-24253
					Right	250-24253		250-24460
2007	5.7 V8				Left	250-24253		250-24460
					Right	250-24253		250-24460
2006-2005	5.7 V8				Left	250-24680		250-24253
					Right	250-24680		250-24253
2004	5.7 V8				Left	250-24253		250-24345
					Right	250-24253		250-24345
2003	5.7 V8				Left	250-24253		250-24259
					Right	250-24253		250-24259
2003	5.9 V8				Left	250-24259		250-24259
					Right	250-24259		250-24259
2002-2001	5.9 V8			A/T, Non Calif-ESV	Right	250-24259		
2002-2001	5.9 V8			A/T, Non Calif-ESV				●250-24259
				A/T, Non Calif-ESV	Left	250-24259		
2002-2001	5.9 V8			M/T, Non Calif-ESV	Right	250-24345		
2002-2001	5.9 V8			M/T, Non Calif-ESV				●250-24259
				M/T, Non Calif-ESV	Left	250-24345		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Ram 1500 (cont'd)</b>								
2002	5.9 V8			A/T, Calif-ESV	Left	250-24253		250-24259
				A/T, Calif-ESV	Right	250-24253		250-24259
2002	5.9 V8			M/T, Calif-ESV	Left	250-24259		250-24345
				M/T, Calif-ESV	Right	250-24259		250-24345
2001	5.9 V8			A/T, Calif-ESV	Right	250-24253		
2001	5.9 V8			A/T, Calif-ESV				•250-24259
				A/T, Calif-ESV	Left	250-24253		
2001	5.9 V8			M/T, Calif-ESV	Right	250-24942		
2001	5.9 V8			M/T, Calif-ESV				•250-24259
				M/T, Calif-ESV	Left	250-24942		
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	250-24253		250-24259
					Right	250-24460		250-24345
<b>Ram 1500 Van</b>								
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
2000-1998	5.2 V8	Y				250-24942		250-24943
1996-1995	5.2 V8					250-24942		250-24943
2003	5.9 V8	Z				250-24345		250-24259
2002-2001	5.9 V8	Z		Calif-ESV	Right	250-24253		
2002-2001	5.9 V8	Z		Calif-ESV				•250-24345
				Calif-ESV	Left	250-24253		
2002-2001	5.9 V8	Z		Non Calif-ESV		250-24345		250-24259
2000-1999	5.9 V8	Z				250-24942		250-24943
<b>Ram 2500</b>								
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	250-24253		250-24460
					Right	250-24253		250-24460
2006	5.7 V8	D			Left	250-24680		250-24460
					Right	250-24680		250-24460
2005	5.7 V8	D			Left	250-24680		250-24253
					Right	250-24680		250-24253
2004	5.7 V8	D			Left	250-24253		250-24259
					Right	250-24253		250-24259
2003	5.7 V8	D			Left	250-24253		250-24345
					Right	250-24253		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	Right	250-24253		
2001	5.9 V8	Z		A/T, Calif-ESV				•250-24259
				A/T, Calif-ESV	Left	250-24253		
2001	5.9 V8	Z		A/T, Non Calif-ESV	Right	250-24259		
2001	5.9 V8	Z		A/T, Non Calif-ESV				•250-24259
				A/T, Non Calif-ESV	Left	250-24259		
2001	5.9 V8	Z		M/T, Calif-ESV	Right	250-24942		
2001	5.9 V8	Z		M/T, Calif-ESV				•250-24259
				M/T, Calif-ESV	Left	250-24942		
2001	5.9 V8	Z		M/T, Non Calif-ESV	Right	250-24345		
2001	5.9 V8	Z		M/T, Non Calif-ESV				•250-24259
				M/T, Non Calif-ESV	Left	250-24345		
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	ETJ	Diesel		250-25034		250-25034



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Ram 2500 (cont'd)</b>								
2003	8.0 V10	W			Left Right	250-24460 250-24253		250-24345 250-24345
2002	8.0 V10	W			Right	250-24259		
2002	8.0 V10	W						•250-24259
2001	8.0 V10	W		From 2/21/2000	Left	250-24259		
2001	8.0 V10	W		From 2/21/2000	Right	250-24259		•250-24259
2001	8.0 V10	W		From 2/21/2000	Left	250-24259		
2001	8.0 V10	W		To 2/21/2000	Right	250-24259		
2001	8.0 V10	W		To 2/21/2000	Left	250-24259		•250-24943
2000-1998	8.0 V10	W			Right	250-24943		
2000-1998	8.0 V10	W						•250-24943
1997	8.0 V10	W			Left	250-24943		
1996	8.0 V10	W			Right	250-24943		
1996	8.0 V10	W						•250-24943
1995-1994	8.0 V10	W			Left	250-24942 250-24004		
<b>Ram 2500 Van</b>								
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	2, T, Y				250-24942		250-24943
2003	5.9 V8	Z				250-24345		250-24259
2002-2001	5.9 V8	Z		Calif-ESV	Right	250-24253		
2002-2001	5.9 V8	Z		Calif-ESV				•250-24345
2002-2001	5.9 V8	Z		Calif-ESV	Left	250-24253		
2002-2001	5.9 V8	Z		Non Calif-ESV		250-24345		250-24259
2000-1999	5.9 V8	Z				250-24942		250-24943
<b>Ram 3500</b>								
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	Left	250-24253		250-24259
				A/T, Calif-ESV	Right	250-24253		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	5		A/T	Right	250-24943		
2001	5.9 V8	Z		A/T, Calif-ESV	Right	250-24253		
2001	5.9 V8	Z		A/T, Calif-ESV				•250-24259
2001	5.9 V8	Z		A/T, Calif-ESV	Left	250-24253		
2001	5.9 V8	Z		A/T, Non Calif-ESV	Right	250-24259		
2001	5.9 V8	Z		A/T, Non Calif-ESV				•250-24259
2001	5.9 V8	Z		A/T, Non Calif-ESV	Left	250-24259		
2001	5.9 V8	5		A/T				•250-24943
2001	5.9 V8	5		A/T	Left	250-24942		
2001	5.9 V8	5		M/T, 2WD	Right	250-24942		
2001	5.9 V8	5		M/T, 2WD				•250-24943
2001	5.9 V8	5		M/T, 2WD	Left	250-24942		
2001	5.9 V8	5		M/T, 4WD	Right	250-24943		
2001	5.9 V8	5		M/T, 4WD				•250-24943
2001	5.9 V8	5		M/T, 4WD	Left	250-24943		
2001	5.9 V8	Z		M/T, Calif-ESV	Right	250-24942		
2001	5.9 V8	Z		M/T, Calif-ESV				•250-24259
2001	5.9 V8	Z		M/T, Calif-ESV	Left	250-24942		
2001	5.9 V8	Z		M/T, Non Calif-ESV	Right	250-24345		
2001	5.9 V8	Z		M/T, Non Calif-ESV				•250-24259
2001	5.9 V8	Z		M/T, Non Calif-ESV	Left	250-24345		
2000	5.9 V8	Z			Right	250-24942		
2000	5.9 V8	Z						•250-24943
2000	5.9 V8	5			Left	250-24942		
2000	5.9 V8	5		Heavy Duty Emissions	Right	250-24943		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Ram 3500 (cont'd)</b>								
2000	5.9 V8	5		Heavy Duty Emissions Heavy Duty Emissions	Left	250-24942		•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	ETJ	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			Right	250-24259		
2002	8.0 V10	W			Left	250-24259		•250-24259
2001	8.0 V10	W		From 02/21/01	Right	250-24259		
2001	8.0 V10	W		From 02/21/01				•250-24259
2001	8.0 V10	W		From 02/21/01	Left	250-24259		
2001	8.0 V10	W		To 02/21/01	Right	250-24259		
2001	8.0 V10	W		To 02/21/01				•250-24943
2001	8.0 V10	W		To 02/21/01	Left	250-24259		
2000	8.0 V10	W			Right	250-24943		
2000	8.0 V10	W						•250-24943
1999	8.0 V10	W		Calif-ESV	Left	250-24943		
1999	8.0 V10	W		Calif-ESV	Right	250-24943		
1999	8.0 V10	W		Calif-ESV	Left	250-24943		•250-24943
1999	8.0 V10	W		Non Calif-ESV	Right	250-24942		
1999	8.0 V10	W		Non Calif-ESV				•250-24943
1999	8.0 V10	W		Non Calif-ESV	Left	250-24942		
1998-1997	8.0 V10	W						•250-24943
1998	8.0 V10	W			Left	250-24943		
1998	8.0 V10	W			Right	250-24943		
1997	8.0 V10	W			Right	250-24942		
1996	8.0 V10	W			Right	250-24943		
1996	8.0 V10	W						•250-24943
1995-1994	8.0 V10	W			Left	250-24942		
						250-24004		
<b>Ram 3500 Van</b>								
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	Right	250-24253		
2002-2001	5.9 V8	Z		Calif-ESV				•250-24345
2002-2001	5.9 V8	Z		Calif-ESV	Left	250-24253		
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			Right	250-24943		
1999	5.9 V8	Z						•250-24943
1999	5.9 V8	Z			Left	250-24942		
<b>Ramcharger</b>								
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		
<b>Rampage</b>								
1984-1982	2.2 L4	B, C				250-21002		
<b>Shadow</b>								
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		
<b>Spirit</b>								
1992-1991	2.2 L4					250-24004		
1995-1989	2.5 L4					250-24004		
1995-1989	3.0 V6					250-24004		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Sprinter 2500</b>								
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
<b>Sprinter 3500</b>								
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
<b>St. Regis</b>								
1981-1980	3.7 L6	C				250-21002		
1981	5.2 V8	K, L, M, N				250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
1980	5.9 V8					250-21002		
<b>Stealth</b>								
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
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		
<b>Stratus</b>								
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		250-24460		250-24253
2005	2.4 L4			SOHC		250-24243		250-24243
2004	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	Front	250-24253		250-24253
2004	2.7 V6	R, T	EER	w/ Next Gen. Eng. Controller	Rear	250-24253		250-24253
2004	2.7 V6	R, T	EER	w/o Next Gen. Eng. Controller	Front	250-24942		250-24942
2004	2.7 V6	R, T	EER	w/o Next Gen. Eng. Controller	Rear	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
<b>Verna</b>								
2005-2004	1.5 L4					250-24942		250-24942
<b>Viper</b>								
2002-1996	8.0 V10	E			Left Right	250-24943 250-24943		250-24943 250-24943

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>DODGE (cont'd)</b>								
<b>Viper (cont'd)</b>								
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
<b>W100</b>								
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		
<b>W150</b>								
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		
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		
<b>W200</b>								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>W250</b>								
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		
<b>W300</b>								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>W350</b>								
1983-1982	5.2 V8					250-21002		
1993-1988	5.9 V8					250-24004		
1987-1981	5.9 V8					250-21002		
<b>EAGLE</b>								
<b>Medallion</b>								
1989-1988	2.2 L4	F				250-21011		
<b>Premier</b>								
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	U	Z7X-711			250-23501		
<b>Summit</b>								
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		



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>EAGLE (cont'd)</b>								
<b>Summit (cont'd)</b>								
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
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		
<b>Talon</b>								
1994-1993	1.8 L4	B				250-22002		
1998-1997	2.0 L4	Y	420A			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	420A			250-24003		250-24083
1994-1990	2.0 L4	E, F, R, U	EBG			250-24007		
<b>Vision</b>								
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		
<b>FERRARI</b>								
<b>328 GTS</b>								
1989-1986	3.2 V8	X				250-23028		
<b>348 GTB</b>								
1994-1993	3.4 V8	R				250-24820		
<b>348 TB</b>								
1992-1990	3.4 V8	F, R				250-24820		
<b>456 GT</b>								
1995	5.5 V12	S				250-24144		
<b>512 M</b>								
1995	4.9 H12	V				250-24104		
<b>F355 Berlinetta</b>								
1996-1995	3.5 V8	P				250-24144		
<b>F355 GTS</b>								
1997-1995	3.5 V8	P				250-24144		
<b>F355 Spider</b>								
1997-1996	3.5 V8					250-24144		
<b>Mondial 3.2</b>								
1988	3.2 V8	X				250-23028		
<b>Mondial t</b>								
1993-1992	3.4 V8	R				250-24820		
1990	3.4 V8	F				250-24820		
<b>FIAT</b>								
<b>124 Spider</b>								
2020-2017	1.4 L4	K	EAM			250-25121		250-241234

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FIAT (cont'd)</b>								
<b>500</b>								
2019-2015	1.4 L4	H	EAF, EAM			250-25121		250-241045
2017-2012	1.4 L4		EAB			250-25017		250-241045
2014-2012	1.4 L4	H	EAF	Turbo Engine		250-25017		250-241045
<b>500L</b>								
2020-2017	1.4 L4	H	EAM			250-25058		250-241003
2016	1.4 L4	H	EAM			250-25017		250-241003
2015	1.4 L4	H	EAM			250-25058		250-241003
2014	1.4 L4	H	EAM	Turbo Engine		250-25017		250-241003
<b>500X</b>								
2018-2016	1.4 L4	H	EAM			250-25058		250-241003
2018-2016	2.4 L4	B, T	ED6, ED8			250-25128		250-24680
<b>Ducato</b>								
2015-2011	2.3 L4					250-25034		
<b>Palio</b>								
2005-2004	1.6 L4					250-24119		
<b>Panda</b>								
2012-2011	1.2 L4					250-241003		
2009	1.2 L4					250-241003		
<b>Uno</b>								
2013	1.4 L4		Fire 1.4 EVO			250-24119		
<b>FORD</b>								
<b>Aerostar</b>								
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		
<b>Aspire</b>								
1997-1996	1.3 L4	H				250-21026		250-24072
1995-1994	1.3 L4	H				250-21026		
<b>Bronco</b>								
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			Right	250-24001		•250-24127
1996	5.0 V8	N			Left	250-24001		
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			Right	250-24001		•250-24127
1996	5.8 V8	H			Left	250-24001		
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		
<b>Bronco II</b>								
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Bronco II (cont'd)</b>								
1988-1987	2.9 V6	T				250-23002		
1986	2.9 V6	T				250-23001		
<b>Bronco Sport</b>								
2021	1.5 L3	6				250-25040		
2021	2.0 L4	9						250-241184
<b>C-Max</b>								
2018-2013	2.0 L4	U				250-25049		250-241059
<b>Contour</b>								
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	250-24302		250-24001
					Rear	250-24302		250-24001
1999-1996	2.5 V6	G, L			Front	250-24015		250-24001
					Rear	250-24015		250-24001
1995	2.5 V6	L			Front	250-24015		
					Rear	250-24015		
<b>Country Squire</b>								
1991-1987	5.0 V8	F				250-23002		
<b>Crown Victoria</b>								
2011-1999	4.6 V8	9, V, W			Left	250-24302		250-24001
					Right	250-24302		250-24001
1999-1998	4.6 V8	9, W			Left	250-24749		250-24001
					Right	250-24749		250-24001
1997-1996	4.6 V8	6, 9, W			Left	250-24001		250-24001
					Right	250-24001		250-24001
1995-1992	4.6 V8	W			Left	250-24001		
					Right	250-24001		
<b>E-100 Econoline</b>								
1983-1981	4.9 L6	E, Y				250-21003		
1983-1981	5.0 V8	F				250-21003		
1983	5.8 V8	G				250-21003		
<b>E-100 Econoline Club Wagon</b>								
1983-1981	4.9 L6	E, Y				250-21003		
1983-1981	5.0 V8	F				250-21003		
1983	5.8 V8	G				250-21003		
<b>E-150</b>								
2003	4.2 V6	2			Left	250-24749		250-24001
					Right	250-24749		250-24001
2014-2009	4.6 V8	W			Left	250-25049		250-24001
					Right	250-25049		250-24001
2008-2006	4.6 V8	W			Left	250-24301		250-24001
					Right	250-24301		250-24001
2005-2003	4.6 V8	W			Left	250-24302		250-24001
					Right	250-24302		250-24001
2014-2009	5.4 V8	L			Left	250-25049		250-24001
					Right	250-25049		250-24001
2008-2005	5.4 V8	L			Left	250-24301		250-24001
					Right	250-24301		250-24001
2004	5.4 V8	L			Left	250-24302		250-24001
					Right	250-24302		250-24001
2003	5.4 V8	L			Left	250-24301		250-24001
					Right	250-24301		250-24001
<b>E-150 Club Wagon</b>								
2003	4.2 V6	2			Left	250-24749		250-24001
					Right	250-24749		250-24001
2005	4.6 V8	W			Left	250-24301		250-24001
					Right	250-24301		250-24001
2004-2003	4.6 V8	W			Left	250-24302		250-24001
					Right	250-24302		250-24001
2005	5.4 V8	L			Left	250-24301		250-24001
					Right	250-24301		250-24001
2004-2003	5.4 V8	L			Left	250-24302		250-24001
					Right	250-24302		250-24001
<b>E-150 Econoline</b>								
2002	4.2 V6	2			Left	250-24749		250-24001
					Right	250-24749		250-24001

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>E-150 Econoline (cont'd)</b>								
2001-1999	4.2 V6	2		Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
2001-1999	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
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
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			Right	250-24001		
1996	5.0 V8	N						•250-24127
1995-1991	5.0 V8	N			Left	250-24001		
1990	5.0 V8	N		3 Wire Sensor		250-24001		
1990	5.0 V8	N		4 Wire Sensor		250-23002		
1989-1987	5.0 V8	N				250-24001		
1986	5.0 V8	N				250-23002		
1985-1981	5.0 V8	F				250-23001		
2008-2007	5.4 V8					250-21003		
					Left Right	250-24301 250-24301		250-24001 250-24001
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			Right	250-24001		
1996	5.8 V8	H						•250-24127
1995	5.8 V8	H			Left Left Right	250-24001 250-24001 250-24001		
1994-1990	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		
<b>E-150 Econoline Club Wagon</b>								
2002	4.2 V6	2			Left Right	250-24749 250-24749		250-24001 250-24001
2001-1999	4.2 V6	2		Calif-ESV Calif-ESV	Left Right	250-24749 250-24749		250-24001 250-24001
2001-1999	4.2 V6	2		Exc. Calif-ESV Exc. 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
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		•250-24127
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			Right	250-24001		
1996	5.0 V8	N						•250-24127
1995-1991	5.0 V8	N			Left	250-24001		
1990	5.0 V8	N		3 Wire Sensor		250-24001		
1990	5.0 V8	N		4 Wire Sensor		250-23002		
1989-1987	5.0 V8	N				250-24001		
1986	5.0 V8	N				250-23002		
1985-1981	5.0 V8	F				250-23001		
						250-21003		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>E-150 Econoline Club Wagon (cont'd)</b>								
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			Right	250-24001		
1996	5.8 V8	H						•250-24127
1995	5.8 V8			Calif-ESV Calif-ESV	Left Left Right	250-24001 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		
<b>E-250</b>								
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			Left Right	250-24301 250-24301		250-24001 250-24001
2004-2003	5.4 V8	L, M			Left Right	250-24302 250-24302		250-24001 250-24001
<b>E-250 Econoline</b>								
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			Cyl 1-3 Cyl 4-6	250-24001 250-24001		•250-24001
1995-1991	4.9 L6	Y, Z				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	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		
1985-1984	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			Left Right	250-24302 250-24302		250-24001 250-24001
1999-1997	5.4 V8	L, M, Z			Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8	H			Right	250-24001		
1996	5.8 V8	H						•250-24127
1995	5.8 V8	H			Left Left Right	250-24001 250-24001 250-24001		
1994-1991	5.8 V8	H		GVW Under 8500LBS. GVW Under 8500LBS. GVW Over 8500LBS. GVW Under 8500LBS.	Left Right	250-24001 250-24001		
1994-1990	5.8 V8	H				250-24127		
1990	5.8 V8	H				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		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>E-250 Econoline (cont'd)</b>								
1983-1981	5.8 V8	G				250-21003		
<b>E-250 Econoline Club Wagon</b>								
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	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		
<b>E-350 Club Wagon</b>								
2005	5.4 V8	L			Left Right	250-24301 250-24301		250-24001 250-24001
2004-2003	5.4 V8	L, M			Left Right	250-24302 250-24302		250-24001 250-24001
2005	6.8 V10	S			Left Right	250-24301 250-24301		250-24001 250-24001
2003	6.8 V10				Left Right	250-24302 250-24302		250-24001 250-24001
<b>E-350 Econoline</b>								
1996	4.9 L6	Y			Cyl 1-3 Cyl 4-6	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		
2008-2007	5.4 V8				Left Right	250-24301 250-24301		250-24001 250-24001
2000	5.4 V8				Left Right	250-24302 250-24302		250-24001 250-24001
1999-1997	5.4 V8	L, M, Z			Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8	H				250-24127		
1996	5.8 V8	H			Left	250-24127		•250-24127
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			Right	250-24001		
1996	7.5 V8	G			Left	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		
<b>E-350 Econoline Club Wagon</b>								
1996	4.9 L6	Y, Z			Cyl 1-3 Cyl 4-6	250-24001 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		
2002-2000	5.4 V8	L, M			Left Right	250-24302 250-24302		250-24001 250-24001
1999-1997	5.4 V8	L, M, Z			Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8	H			Right	250-24001		
1996	5.8 V8	H			Left	250-24001		•250-24127
1995	5.8 V8			Calif-ESV (Massachusetts)	Left	250-24001		
1995	5.8 V8			Calif-ESV (Massachusetts)	Left Right	250-24001 250-24001		
1995	5.8 V8			Exc. Calif-ESV (Exc. Massachusetts)		250-24127		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>E-350 Econoline Club Wagon (cont'd)</b>								
1994-1990	5.8 V8	H				250-24127		
1989-1988	5.8 V8					250-23007		
2002-2000	6.8 V10				Left	250-24302		250-24001
					Right	250-24302		250-24001
1999-1998	6.8 V10				Left	250-24001		250-24001
					Right	250-24001		250-24001
1997	6.8 V10					250-24001		250-24001
1996	7.5 V8	G			Right	250-24001		
1996	7.5 V8	G			Left	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		
1989-1988	7.5 V8					250-23007		
<b>E-350 Super Duty</b>								
2016-2009	5.4 V8	L			Left	250-25049		250-24001
					Right	250-25049		250-24001
2008-2005	5.4 V8	L			Left	250-24301		250-24001
					Right	250-24301		250-24001
2004-2000	5.4 V8	L, M			Left	250-24302		250-24001
					Right	250-24302		250-24001
1999	5.4 V8	L, M, Z			Left	250-24001		250-24001
					Right	250-24001		250-24001
2019-2017	6.2 V8	6			Left	250-25122		250-241182
					Right	250-25122		250-241185
2019-2018	6.8 V10	S			Left	250-25122		250-241182
					Right	250-25119		250-241185
2017	6.8 V10	S		From 12/12/2016	Left	250-25122		250-241182
				From 12/12/2016	Right	250-25122		250-241182
2017	6.8 V10	S		To 12/12/2016	Left	250-25119		250-241182
				To 12/12/2016	Right	250-25119		250-241182
2016	6.8 V10	S			Left	250-25119		250-241185
					Right	250-25119		250-241185
2016	6.8 V10	S		LPG Engine	Left	250-25119		250-241182
				LPG Engine	Right	250-25119		250-241182
2015-2013	6.8 V10	S		Ambulance	Right	250-25034		
2015-2013	6.8 V10	S		Ambulance	Left	250-25049		●250-24070
				Ambulance				
2015	6.8 V10	S		Exc.Ambulance	Right	250-25034		
2015	6.8 V10	S		Exc.Ambulance	Left	250-25049		●250-24001
				Exc.Ambulance				
2014-2013	6.8 V10	S		Exc.Ambulance	Left	250-25049		250-24001
				Exc.Ambulance	Right	250-25034		250-24001
2012	6.8 V10	S			Left	250-24701		250-24001
					Right	250-241127		250-24001
2011-2009	6.8 V10	S			Left	250-24701		250-24001
					Right	250-24701		250-24001
2008-2005	6.8 V10	S			Left	250-24301		250-24001
					Right	250-24301		250-24001
2004-2000	6.8 V10	S			Left	250-24302		250-24001
					Right	250-24302		250-24001
1999	6.8 V10	S			Left	250-24001		250-24001
					Right	250-24001		250-24001
<b>E-450 Econoline Super Duty</b>								
2002-2000	5.4 V8	L, M			Left	250-24302		250-24001
					Right	250-24302		250-24001
2002-1999	6.8 V10	S			Left	250-24302		250-24001
					Right	250-24302		250-24001
<b>E-450 Super Duty</b>								
2016-2009	5.4 V8	L			Left	250-25049		250-24001
					Right	250-25049		250-24001
2008-2006	5.4 V8	L			Left	250-24301		250-24001
					Right	250-24301		250-24001
2004-2003	5.4 V8	L, M			Left	250-24302		250-24001
					Right	250-24302		250-24001
2019-2018	6.8 V10				Left	250-25122		250-241182
					Right	250-25119		250-241182
2017	6.8 V10			From 12/12/2016	Left	250-25122		250-241182
				From 12/12/2016	Right	250-25122		250-241182

● Requires only one rear sensor



# APPLICATION GUIDE

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>E-450 Super Duty (cont'd)</b>								
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	Right	250-25034		
2015-2013	6.8 V10	S		Ambulance Ambulance	Left	250-25049		•250-24070
2015	6.8 V10	S		Exc.Ambulance	Right	250-25034		
2015	6.8 V10	S		Exc.Ambulance Exc.Ambulance	Left	250-25049		•250-24001
2014-2013	6.8 V10	S		Exc.Ambulance Exc.Ambulance	Left Right	250-25049 250-25034		250-24001 250-24001
2012-2011	6.8 V10	S		Ambulance Ambulance	Left Right	250-24701 250-241127		250-24070 250-24070
2012-2011	6.8 V10	S		Exc. Ambulance Exc. Ambulance	Left Right	250-24701 250-241127		250-24001 250-24001
2010-2009	6.8 V10	S			Left Right	250-24701 250-24701		250-24001 250-24001
2008-2005	6.8 V10	S			Left Right	250-24301 250-24301		250-24001 250-24001
2003	6.8 V10	S			Left Right	250-24302 250-24302		250-24001 250-24001
<b>E-550 Econoline Super Duty</b>								
2002	6.8 V10	S			Left Right	250-24302 250-24302		250-24001 250-24001
<b>E-550 Super Duty</b>								
2003	6.8 V10	S			Left Right	250-24302 250-24302		250-24001 250-24001
<b>Econoline</b>								
2003	4.2 V6				Left Right	250-24749 250-24749		250-24001 250-24001
2006-2005	5.4 V8				Left Right	250-24301 250-24301		250-24001 250-24001
2004-2001	5.4 V8				Left Right	250-24302 250-24302		250-24001 250-24001
<b>Econoline Super Duty</b>								
1999-1997	5.4 V8	L, M			Left Right	250-24001 250-24001		250-24001 250-24001
1996	5.8 V8	H				250-24001		250-24001
1999	6.8 V10	S				250-24001		250-24001
1998-1997	6.8 V10	S			Left Right	250-24001 250-24001		250-24001 250-24001
1996	7.5 V8	G			Right	250-24001		
1996	7.5 V8	G			Left	250-24001		•250-24127
<b>Econoline Van</b>								
2013-2012	4.6 V8	W			Left Right	250-25049 250-25049		250-24001 250-24001
<b>Econoline Wagon</b>								
2013-2012	4.6 V8	W			Left Right	250-25049 250-25049		250-24001 250-24001
2012	5.4 V8	L			Left Right	250-25049 250-25049		250-24001 250-24001
<b>EcoSport</b>								
2021-2018	1.0 L3	E		Turbocharged		250-25040		250-241225
<b>Edge</b>								
2021	2.0 L4	9						250-241184
2020-2017	2.0 L4	9				250-25025		250-241184
2016	2.0 L4	9		From 02/27/2016 To 02/27/2016		250-25025		250-241184
2016	2.0 L4	9				250-25025		250-241175
2015	2.0 L4	9				250-25025		250-241175
2014-2012	2.0 L4	9				250-25034		250-241023
2021-2019	2.7 V6	P			Left Right	250-25025 250-25025		250-241247 250-241247
2018-2015	2.7 V6	P			Front Rear	250-25025 250-25025		250-241185 250-241185





# APPLICATION GUIDE

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Edge (cont'd)</b>								
2018-2015	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2014-2011	3.5 V6	C			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
<b>Escape</b>								
2021-2020	1.5 L3	6	996			250-25050		
2019-2017	1.5 L4	D				250-25025		250-241225
2016-2013	1.6 L4	X				250-25049		250-24976
2021-2017	2.0 L4	9	999			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
2019	2.5 L4	7				250-25135		250-241227
2018	2.5 L4	7		From 08/28/2017		250-25135		250-241227
2018	2.5 L4	7		To 08/28/2017		250-25135		250-241221
2017	2.5 L4	7				250-25135		250-241221
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		XL, 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
<b>Escort</b>								
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		
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
<b>Excursion</b>								
2005-2000	5.4 V8	L			Left Right	250-24302 250-24302		250-24001 250-24001
2005-2000	6.8 V10	S			Left Right	250-24302 250-24302		250-24001 250-24001
<b>EXP</b>								
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		
<b>Expedition</b>								
2021-2018	3.5 V6	T			Left Right	250-25025 250-25040		250-241199 250-241199
2017-2015	3.5 V6	T			Left Right	250-25035 250-25049		250-241183 250-241183
2004-1999	4.6 V8	6, W			Left Right	250-24749 250-24749		250-24001 250-24001

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Expedition (cont'd)</b>								
1998-1997	4.6 V8	6, W			Left Right	250-24001 250-24001		250-24001 250-24001
2014-2012	5.4 V8	5			Left Right	250-25035 250-25049		250-241052 250-241052
2011-2009	5.4 V8	5			Left Right	250-25035 250-25049		250-24001 250-24001
2008-2007	5.4 V8	5			Left Right	250-24701 250-24701		250-24001 250-24001
2006-2005	5.4 V8	5			Left Right	250-241127 250-241127		250-24001 250-24001
2004-2003	5.4 V8	L			Left Right	250-24749 250-24749		250-24001 250-24001
2002-2001	5.4 V8	L			Left Right	250-241127 250-241127		250-24001 250-24001
2000-1999	5.4 V8	L			Left Right	250-24749 250-24749		250-24001 250-24001
1998-1997	5.4 V8	L			Left Right	250-24001 250-24001		250-24001 250-24001
<b>Explorer</b>								
2015-2012	2.0 L4	9				250-25034		250-241023
2021-2016	2.3 L4	H	99H			250-25025		250-241184
2021-2020	3.0 V6	C	99C	Turbocharged	Left Right	250-25077 250-25025		
2019-2016	3.5 V6	8		Turbocharged	Front Rear	250-25122 250-25122		250-241185 250-241185
2019-2013	3.5 V6	T		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
2012-2011	3.5 V6	8			Front Rear	250-25086 250-25086		250-24983 250-24983
2010-2004	4.0 V6	E, K			Left Right	250-241127 250-241127		250-24001 250-24001
2005-2004	4.0 V6	E			Left Right	250-24701 250-24701		250-24001 250-24001
2003-2002	4.0 V6	E, K			Left Right	250-24749 250-24749		250-24001 250-24001
2002	4.0 V6	E		Gas	Left Right	250-24701 250-24701		250-24001 250-24001
2001	4.0 V6	E		Gas	Left Right	250-24701 250-24701		250-24001 250-24001
2000-1999	4.0 V6	X		A/T	Right	250-24701		
2000-1999	4.0 V6	X		A/T	Left	250-241127		•250-24127
2000-1999	4.0 V6	X		M/T	Right	250-24701		
2000-1999	4.0 V6	X		M/T	Left	250-241127		•250-24070
2000	4.0 V6	E			Right	250-24701		
2000	4.0 V6	E			Left	250-24701		•250-24001
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	Right	250-24001		
1998	4.0 V6	X		A/T	Left	250-24001		•250-24127
1998	4.0 V6	X		A/T	Right	250-24001		
1998	4.0 V6	X		M/T	Left	250-24001		•250-24070
1998	4.0 V6	X		M/T	Right	250-24001		
1997-1996	4.0 V6	X			Left	250-24001		•250-24070
1997-1996	4.0 V6	X			Right	250-24001		
1997	4.0 V6	E			Left	250-24001		
1997	4.0 V6	E			Right	250-24070		•250-24001
1995	4.0 V6	X			Left Right	250-24070 250-24001		
1994-1993	4.0 V6	X			Left Right	250-24127 250-24127		
1992-1991	4.0 V6	X			Left Right	250-24127 250-24127		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Explorer (cont'd)</b>								
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
<b>Explorer Sport Trac</b>								
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
<b>F53</b>								
2019-2016	6.8 V10	Y			Right	250-25124		
2019-2016	6.8 V10	Y			Left	250-25119		•250-241185
2015-2012	6.8 V10	Y			Right	250-25049		
2015-2012	6.8 V10	Y			Left	250-25049		•250-24001
1997-1996	7.5 V8	G		Calif-ESV	Right	250-24127		
1997-1996	7.5 V8	G		Calif-ESV				•250-24127
1997-1996	7.5 V8	G		Calif-ESV	Left	250-24127		
1997-1996	7.5 V8	G		Non Calif-ESV	Right	250-24001		
1997-1996	7.5 V8	G		Non Calif-ESV				•250-24127
1997-1996	7.5 V8	G		Non Calif-ESV	Left	250-24001		
1995-1994	7.5 V8	G				250-24001		
1993-1992	7.5 V8	G				250-24127		
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		
<b>F59</b>								
2019-2016	6.8 V10	Y			Right	250-25124		
2019-2016	6.8 V10	Y			Left	250-25119		•250-241185
2016-2015	6.8 V10	Y		LPG Engine	Right	250-25124		
2016-2015	6.8 V10	Y		LPG Engine				•250-241185
2016-2015	6.8 V10	Y		LPG Engine	Left	250-25119		
2015-2012	6.8 V10	Y			Right	250-25049		
2015-2012	6.8 V10	Y			Left	250-25049		•250-24001
<b>F-100</b>								
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		
<b>F-150</b>								
2021-2019	2.7 V6	P			Left Right	250-25025 250-25025		
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
2021-2019	3.3 V6	B			Left Right	250-25136 250-25135		250-241247
2018	3.3 V6	B			Left Left	250-25025 250-25136		250-241247
2018	3.3 V6	B			Right Right	250-25025 250-25135		250-241247
2021-2019	3.5 V6	4, G			Left Right	250-25025 250-25040		250-241199 250-241199
2018	3.5 V6	G		From 07/17/2017 From 07/17/2017	Left Right	250-25025 250-25040		250-241199 250-241199

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>F-150 (cont'd)</b>								
2018	3.5 V6	G		To 07/17/2017 To 07/17/2017	Left Right	250-25025 250-25040		250-241175 250-241175
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	99M		Left Right	250-25086 250-25086		250-24989 250-24989
1994-1991	3.8 V6				Left	250-24001		
2010-2009	4.2 V6				Left Right	250-24749 250-24749		250-24001 250-24001
2008-2005	4.2 V6	2			Left Right	250-241127 250-241127		250-24701 250-24701
2004-2001	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
1995-1990	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		
2021-2019	5.0 V8	5			Left Right	250-25136 250-25135		250-241247
2018	5.0 V8	5			Left Right	250-25136 250-25135		250-241247 250-241247
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	N			Right	250-24001		
1996	5.0 V8	N						•250-24127
1995-1991	5.0 V8	N			Left	250-24001		
1990-1987	5.0 V8	N		3 Wire Sensor, 19" Lead		250-24001		
1990	5.0 V8	N		3 Wire Sensor, 11" Lead		250-23007		
1990	5.0 V8	N		4 Wire Sensor		250-23002		
1986-1985	5.0 V8	N				250-24001		
1985	5.0 V8	F				250-21004		
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>F-150 (cont'd)</b>								
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
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	H			Right	250-24127		
1996	5.8 V8	H						•250-24127
1995	5.8 V8	H		Non Calif-ESV		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
<b>F-150 Heritage</b>								
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
<b>F-250</b>								
2009-2002	4.6 V8				Left Right	250-241127 250-241127		250-24001 250-24001
2001-2000	4.6 V8				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, Z			Cyl 1-3 Cyl 4-6	250-24001 250-24001		•250-24127
1995-1990	4.9 L6	Y, Z				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			Right	250-24001		
1996	5.0 V8	N						•250-24127
1995-1991	5.0 V8	N			Left	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	L, M, Z			Left Right	250-24001 250-24001		250-24001 250-24001

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>F-250 (cont'd)</b>								
1999	5.4 V8	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
1996	5.8 V8	H			Right	250-24127		
1996	5.8 V8	H						•250-24127
1995	5.8 V8	H			Left Left Right	250-24127 250-24127 250-24127		
1994-1990	5.8 V8	H		GVW Over 8500LBS.		250-24127		
1994-1990	5.8 V8	H		GVW 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	Right	250-24127		
1996	7.5 V8	G		Calif-ESV Calif-ESV	Left	250-24127		•250-24127
1996	7.5 V8	G		Non Calif-ESV	Right	250-24001		
1996	7.5 V8	G		Non Calif-ESV Non Calif-ESV	Left	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		
1989-1988	7.5 V8	G				250-23007		
<b>F-250 Super Duty</b>								
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
2020-2017	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
<b>F-350</b>								
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		
1998	5.0 V8					250-24001		250-24001
1994-1990	5.0 V8					250-24749		
2004-1999	5.4 V8				Left Right	250-24302 250-24302		250-24001 250-24001
1997	5.8 V8	H			Right	250-24001		
1997	5.8 V8	H						•250-24127
1996	5.8 V8	H			Left Right	250-24001 250-24127		
1996	5.8 V8	H						•250-24127
1995	5.8 V8	H		Calif-ESV Calif-ESV	Left Left Right	250-24127 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		
2016-2011	6.2 V8		996		Left Right	250-25049 250-25049		250-241052 250-241052
1997-1996	7.5 V8	G			Right	250-24001		
1997-1996	7.5 V8	G			Left	250-24001		•250-24127

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>F-350 (cont'd)</b>								
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		
1989-1988	7.5 V8	G				250-23007		
<b>F-350 Super Duty</b>								
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
2020-2017	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
<b>F-450 Super Duty</b>								
2019-2017	6.8 V10	Y			Right	250-25124		
2019-2017	6.8 V10	Y			Left	250-25119		•250-241182
2016-2013	6.8 V10	Y			Right	250-25049		
2016-2013	6.8 V10	Y						•250-241052
2012-2011	6.8 V10	Y			Left Left Right	250-25049 250-25049 250-25049		250-24001 250-24001
2010	6.8 V10	Y			Left Right	250-24301 250-24301		250-24001 250-24001
2008-2005	6.8 V10	Y			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
<b>F-550 Super Duty</b>								
2019-2017	6.8 V10				Right	250-25124		
2019-2017	6.8 V10				Left	250-25119		•250-241182
2016-2013	6.8 V10	Y			Right	250-25049		
2016-2013	6.8 V10	Y						•250-241052
2012-2011	6.8 V10	Y			Left Left Right	250-25049 250-25049 250-25049		250-24001 250-24001
2010-2005	6.8 V10	Y			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
<b>Fairmont</b>								
1983-1980	2.3 L4	A				250-21003		
1981	4.2 V8	D				250-21003		
<b>Festiva</b>								
1993-1990	1.3 L4	H				250-21010		
1989-1988	1.3 L4	H, K				250-21019		
<b>Fiesta</b>								
2017-2014	1.0 L3	E				250-25035		250-241075
2019-2015	1.6 L4	J		4 Wire Sensor in Manifold		250-24301		250-24301
2019-2015	1.6 L4	J		5 Wire Sensor in Manifold		250-25049		250-24301
2019-2014	1.6 L4	X		Turbocharged		250-25049		250-24976
2016-2007	1.6 L4	J	TIVCT			250-24301		250-24301

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Fiesta (cont'd)</b>								
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
2006-2003	1.6 L4					250-24552		250-24302
<b>Fiesta Ikon</b>								
2015-2014	1.6 L4					250-25049		250-24577
<b>Five Hundred</b>								
2007-2005	3.0 V6	1			Front Rear	250-24302 250-24749		250-24001 250-24001
<b>Flex</b>								
2019-2016	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2019-2011	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
2012-2011	3.5 V6	C		Naturally Aspirated Naturally Aspirated	Front Rear	250-25034 250-25034		250-24983 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
<b>Focus</b>								
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
<b>Freestar</b>								
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
<b>Freestyle</b>								
2007-2005	3.0 V6	1			Front Rear	250-24302 250-24749		250-24001 250-24001
<b>F Super Duty</b>								
1997-1996	7.5 V8	G		Calif-ESV	Right	250-24127		
1997-1996	7.5 V8	G		Calif-ESV Calif-ESV	Left	250-24127		•250-24127
1997-1996	7.5 V8	G		Non Calif-ESV	Right	250-24001		
1997-1996	7.5 V8	G		Non Calif-ESV Non Calif-ESV	Left	250-24001		•250-24127
1995-1994	7.5 V8	G				250-24001		
1993-1992	7.5 V8	G				250-24127		
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		
<b>Fusion</b>								
2020-2017	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
2020-2019	2.0 L4	9				250-25025		250-241184
2020-2013	2.0 L4	U		Hybrid		250-25049		250-241059
2018-2017	2.0 L4	9		Turbocharged		250-25025		250-241184
2016-2013	2.0 L4	9		Turbocharged		250-25034		250-241023
2009-2008	2.3 L4	Z		Calif-ESV		250-24301	250-24001	250-24001
2009-2008	2.3 L4	Z		Non Calif-ESV		250-24301	250-24001	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
2020-2017	2.5 L4	7				250-25135		250-241226
2016-2014	2.5 L4	7				250-25119		250-241059



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Fusion (cont'd)</b>								
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
2019-2017	2.7 V6	P			Front	250-25025		250-241185
					Rear	250-25025		250-241185
2012-2011	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
2009-2008	3.0 V6	1		AWD	Front	250-24301		250-24001
				AWD	Rear	250-24301		250-24001
2009-2008	3.0 V6	1		FWD	Front	250-24301		250-24001
				FWD	Rear	250-24301		250-24127
2007	3.0 V6	1			Front	250-24301		250-24001
					Rear	250-24301		250-24127
2006	3.0 V6	1			Front	250-24301		250-24001
					Rear	250-24301		250-24001
2012-2011	3.5 V6	C			Front	250-24999		250-24983
					Rear	250-24999		250-24983
2010	3.5 V6	C		From 08/03/2009	Front	250-25086		250-24001
				From 08/03/2009	Rear	250-25086		250-24127
2010	3.5 V6	C		To 08/03/2009	Front	250-25060		250-24001
				To 08/03/2009	Rear	250-25060		250-24127
<b>Granada</b>								
1982-1981	2.3 L4	A				250-21003		
1982	3.8 V6	3		Calif-ESV		250-21003		
1981	4.2 V8	D				250-21003		
<b>GT</b>								
2021	3.5 V6	W			Left	250-25025		
					Right	250-25025		
2020-2019	3.5 V6	W			Left	250-25025		250-241184
					Right	250-25025		250-241184
2006-2005	5.4 V8	S			Left	250-24302		250-24001
					Right	250-24302		250-24001
<b>Ikon</b>								
2007-2003	1.6 L4					250-24552		250-24577
<b>Lobo</b>								
2017	3.5 V6				Left	250-25119		250-241185
					Right	250-25119		250-241185
2016-2015	3.5 V6				Left	250-25035		250-241175
					Right	250-25049		250-241175
2017-2015	5.0 V8				Left	250-25124		250-241185
					Right	250-25119		250-241185
<b>LTD</b>								
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		
<b>LTD Crown Victoria</b>								
1991-1987	5.0 V8	F				250-23002		
1991-1987	5.8 V8					250-21003		
<b>Mustang</b>								
2021-2018	2.3 L4	D, H	99D, 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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Mustang (cont'd)</b>								
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
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
2021-2019	5.0 V8	0	990		Left Right	250-25135 250-25135		250-241247 250-241247
2021-2018	5.0 V8	F	99F	A/T A/T	Left Right	250-25135 250-25138		250-241246 250-241246
2021-2018	5.0 V8	F	99F	M/T M/T	Left Right	250-25135 250-25135		250-241247 250-241247
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		
2019-2015	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
<b>Pinto</b>								
1980	2.3 L4	A				250-21003		
<b>Police Interceptor Sedan</b>								
2019-2016	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2019-2013	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
2019-2017	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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Police Interceptor Utility</b>								
2021-2020	3.0 V6	C	99C	Turbocharged	Left	250-25077		
				Turbocharged	Right	250-25025		
2019-2014	3.5 V6	T			Front	250-25049		250-24983
					Rear	250-25049		250-24998
2019-2016	3.7 V6	R	99R		Front	250-25122		250-241185
					Rear	250-25122		250-241185
2015-2013	3.7 V6	R	99R		Front	250-25086		250-24989
					Rear	250-25086		250-24989
<b>Probe</b>								
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	250-23096		250-24627
					Rear	250-23084		250-24139
1996	2.5 V6	B			Front	250-23096		250-24628
					Rear	250-23084		250-24627
1995-1994	2.5 V6	B		Calif-ESV	Front	250-24068		250-24068
				Calif-ESV	Rear	250-24068		250-24068
1995-1994	2.5 V6	B		Non Calif-ESV	Front	250-24067		
				Non Calif-ESV	Rear	250-24067		
1993	2.5 V6	B			Front	250-24067		
					Rear	250-24067		
1992-1990	3.0 V6	U				250-23002		
<b>Ranger</b>								
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	250-24701		250-24001
					Right	250-24701		250-24001
2006	3.0 V6	U			Left	250-24701		250-24001
					Right	250-24701		250-24127
2005-2004	3.0 V6	U, V			Left	250-241127		250-24127
					Right	250-241127		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	Right	250-24001		
2000-1998	3.0 V6	U, V		A/T				•250-24127
				A/T	Left	250-24001		
2000-1998	3.0 V6	U, V		M/T	Right	250-24001		
2000-1998	3.0 V6	U, V		M/T				•250-24070
				M/T	Left	250-24001		
1997-1995	3.0 V6	U			Right	250-24001		
1997-1995	3.0 V6	U						•250-24070
					Left	250-24001		
1994-1991	3.0 V6	U			Left	250-24127		
					Right	250-24127		
2011-2007	4.0 V6	E			Left	250-24701		250-24001
					Right	250-24701		250-24001

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Ranger (cont'd)</b>								
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			Right	250-24701		
2003-2001	4.0 V6	E						•250-24127
2000-1998	4.0 V6	X		A/T	Left Right	250-24701 250-24001		
2000-1998	4.0 V6	X		A/T				•250-24127
2000-1998	4.0 V6	X		M/T	Left Right	250-24001 250-24001		
2000-1998	4.0 V6	X		M/T				•250-24070
2000-1998	4.0 V6	X		M/T	Left Right	250-24001 250-24001		
1997-1995	4.0 V6	X						•250-24070
1997-1995	4.0 V6	X			Left Right	250-24001 250-24001		
1994-1993	4.0 V6	X		Calif-ESV Calif-ESV	Left Left Right	250-24001 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		
<b>Special Service Police Sedan</b>								
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
<b>Taurus</b>								
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			Rear	250-24001		250-24001
1996	3.0 V6	1, S, U			Front	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
2019-2016	3.5 V6	8			Front Rear	250-25122 250-25122		250-241185 250-241185
2019-2016	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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Taurus (cont'd)</b>								
2014-2013	3.5 V6	T		Turbocharged	Front	250-25049		250-24983
				Turbocharged	Rear	250-25049		250-24998
2012-2011	3.5 V6	T			Front	250-25049		250-24983
					Rear	250-25049		250-24998
2012-2011	3.5 V6	W			Front	250-25034		250-24983
					Rear	250-25034		250-24983
2010	3.5 V6	T			Front	250-25049		250-24127
					Rear	250-25049		250-24127
2010	3.5 V6	W			Front	250-25034		250-24001
					Rear	250-25034		250-24001
2009-2008	3.5 V6	W		Calif-ESV	Front	250-25034		250-24001
				Calif-ESV	Rear	250-25034		250-24001
2009-2008	3.5 V6	W		Non Calif-ESV	Front	250-24301		250-24001
				Non Calif-ESV	Rear	250-24301		250-24001
1995-1991	3.8 V6	4			Front	250-24001		
					Rear	250-24001		
1990-1988	3.8 V6	4				250-23002		
<b>Taurus X</b>								
2009-2008	3.5 V6	W		Calif-ESV	Front	250-25034		250-24001
				Calif-ESV	Rear	250-25034		250-24001
2009-2008	3.5 V6	W		Non Calif-ESV	Front	250-24301		250-24001
				Non Calif-ESV	Rear	250-24301		250-24001
<b>Tempo</b>								
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	250-24001		
					Rear	250-24001		
<b>Thunderbird</b>								
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	250-24001		250-24001
					Right	250-24001		250-24001
1993-1991	3.8 V6	4, R				250-24001		
1991	3.8 V6	4			Left	250-24001		
					Right	250-24001		
1990-1988	3.8 V6	4, R			Left	250-23002		
					Right	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	250-24749		250-24001
					Right	250-24749		250-24001
1982-1981	4.2 V8	D				250-21003		
1997-1996	4.6 V8	W			Left	250-24001		250-24001
					Right	250-24001		250-24001
1995-1994	4.6 V8	W			Left	250-24001		
					Right	250-24001		
1993-1991	5.0 V8	T			Left	250-24001		
					Right	250-24001		
1988-1987	5.0 V8	F			Left	250-23002		
					Right	250-23002		
1986	5.0 V8	F				250-23001		
1985-1983	5.0 V8	F				250-21003		
1981	5.0 V8	F				250-21003		
<b>Transit</b>								
2017-2016	3.7 V6	M	99M		Left	250-25119		250-241185
					Right	250-25122		250-241185
2015	3.7 V6	M	99M		Left	250-25103		250-24989
					Right	250-25086		250-24983
<b>Transit-150</b>								
2021-2020	3.5 V6	G	99G		Left	250-25025		
					Right	250-25026		
2019-2016	3.5 V6	G	99G		Left	250-25035		250-241199
					Right	250-25034		250-241175
2015	3.5 V6	G	99G		Left	250-25035		250-241186
					Right	250-25034		250-241186

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>FORD (cont'd)</b>								
<b>Transit-150 (cont'd)</b>								
2019-2016	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
<b>Transit-250</b>								
2021-2020	3.5 V6	G	99G		Left Right	250-25025 250-25026		
2019-2016	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
2019-2016	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
<b>Transit-350</b>								
2021-2020	3.5 V6	G	99G		Left Right	250-25025 250-25026		
2019-2016	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
2019-2016	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
<b>Transit-350 HD</b>								
2020	3.5 V6	G	99G		Left Right	250-25025 250-25026		
2019-2016	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
2019-2016	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
<b>Transit Connect</b>								
2016-2014	1.6 L4	X				250-25049		250-24976
2020-2019	2.0 L4	2				250-25135		250-241199
2013-2010	2.0 L4	N				250-24776		250-24873
2017-2016	2.5 L4	7				250-25119		250-241221
2015-2014	2.5 L4	7				250-25119		250-241059
<b>Windstar</b>								
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
<b>GENESIS</b>								
<b>G70</b>								
2020-2019	2.0 L4	A				250-25062		250-241276
2020-2019	3.3 V6	E			Left Right	250-25034 250-25034		250-241277 250-241277
<b>G80</b>								
2020-2018	3.3 V6	B			Left Right	250-25034 250-25034		250-241277 250-241277
2020-2017	3.8 V6	E			Left Right	250-25034 250-25034		250-241277 250-241277
2020-2017	5.0 V8	F			Left Right	250-25034 250-25034		250-241282 250-241282
<b>G90</b>								
2020-2017	3.3 V6	A			Left Right	250-25034 250-25034		250-241277 250-241277
2020-2017	5.0 V8	H			Left Right	250-25034 250-25034		250-241282 250-241282



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GEO</b>								
<b>Metro</b>								
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		
<b>Prizm</b>								
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	4A-FE			250-22055		
1992-1990	1.6 L4	5	4A-GE	Calif-ESV		250-24059		250-22061
1992-1990	1.6 L4	5	4A-GE	Non Calif-ESV		250-24507		
1990	1.6 L4	6	4A-FE	From Chassis # LZ090311		250-22055		
1990	1.6 L4	6	4A-FE	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		
<b>Spectrum</b>								
1989	1.5 L4	9				250-21001		
<b>Storm</b>								
1993-1990	1.6 L4	6				250-21001		
1991-1990	1.6 L4	5				250-23004		
1993-1992	1.8 L4	8				250-24389		
<b>Tracker</b>								
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		
<b>GMC</b>								
<b>Acadia</b>								
2021-2020	2.0 L4	4	LSY			250-25140		250-241269
2021-2017	2.5 L4	A	LCV			250-241133		250-241132
2021-2017	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
<b>C1500</b>								
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>C1500 (cont'd)</b>								
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		
<b>C1500 Suburban</b>								
1986-1985	5.0 V8	H				250-21001		
1999-1996	5.7 V8	R		w/o Trans Code 4L60-E	Left	250-24019		250-24018
				w/ 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		
<b>C2500</b>								
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/ 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/ 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		
1986-1983	5.7 V8	L				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		
<b>C2500 Suburban</b>								
1986-1985	5.0 V8	H				250-21001		
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/ 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		
1986-1983	5.7 V8	L				250-21001		
1999-1996	7.4 V8	J			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1992	7.4 V8	N				250-21001		
<b>C3500</b>								
2000-1996	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1988	5.7 V8	K				250-21001		



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>C3500 (cont'd)</b>								
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	250-24019		250-24018
1995-1988	7.4 V8	N			Right	250-24019		250-24018
						250-21001		
<b>Caballero</b>								
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		
<b>Canyon</b>								
2021-2015	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
2021-2017	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
<b>Envoy</b>								
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
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
				1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M		2nd Design - Downstream Triangular Connector	Left	250-24704		250-24950
				2nd Design - Downstream Triangular Connector	Right	250-24704		250-24950
2005	5.3 V8	M			Left Right	250-24470 250-24470		250-24836 250-24836
<b>Envoy XL</b>								
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
				1st Design - Downstream Square Connector	Right	250-24704		250-24339
2006	5.3 V8	M	LH6	2nd Design - Downstream Triangular Connector	Left	250-24704		250-24950
				2nd Design - Downstream Triangular 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
<b>Envoy XUV</b>								
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
<b>G1500</b>								
1984-1983	4.1 L6	D				250-21001		
1995	4.3 V6	Z				250-23011		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>G1500 (cont'd)</b>								
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		
<b>G2500</b>								
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		
<b>G3500</b>								
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	J, N				250-21001		
<b>Jimmy</b>								
2001-1996	4.3 V6	W			Right	250-24012		
2001-1996	4.3 V6	W			Left	250-24012	250-24012	•250-24012
1995	4.3 V6	W				250-24012		
1994	4.3 V6	W, Z		3 Wire Sensor		250-23005		
1994	4.3 V6	W		4 Wire Sensor		250-24012		
1993-1992	4.3 V6	W, Z				250-23005		
1987-1985	5.0 V8	H				250-21001		
1991-1983	5.7 V8	K, L				250-21001		
<b>K1500</b>								
1984-1983	4.1 L6	D				250-21001		
1998-1996	4.3 V6	W			Right	250-24012		
1998-1996	4.3 V6	W			Left	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		
1986-1985	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		
1986-1983	5.7 V8	L				250-21001		
<b>K1500 Suburban</b>								
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		
1986-1983	5.7 V8	L				250-21001		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>K2500</b>								
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	Left	250-24019		250-24018
				w/o Trans Code 4L60-E	Right	250-24019		250-24018
1998	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
1998-1997	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
1998-1997	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	250-24019		250-24018
					Right	250-24019		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	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
1999-1996	7.4 V8	J			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1991	7.4 V8	N				250-21001		
<b>K2500 Suburban</b>								
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
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		
1999-1996	7.4 V8	J			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1992	7.4 V8	N				250-21001		
<b>K3500</b>								
2000-1996	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1988	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
1999-1996	7.4 V8	J			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1988	7.4 V8	N				250-21001		
<b>P2500</b>								
1989-1988	5.7 V8	K				250-21001		
<b>P3500</b>								
1999-1996	4.3 V6	W			Left	250-24019		250-24018
					Right	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		
1999-1996	5.7 V8	R			Left	250-24019		250-24018
					Right	250-24019		250-24018
1995-1987	5.7 V8	K				250-21001		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>P3500 (cont'd)</b>								
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		
<b>R1500</b>								
1987	4.3 V6	Z				250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		
<b>R1500 Suburban</b>								
1987	5.0 V8	H				250-21001		
1991-1987	5.7 V8	K				250-21001		
<b>R2500</b>								
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		
<b>R2500 Suburban</b>								
1991-1987	5.7 V8	K				250-21001		
1991-1987	7.4 V8	N				250-21001		
<b>R3500</b>								
1991-1987	5.7 V8	K				250-21001		
1991-1987	7.4 V8	N				250-21001		
<b>S15</b>								
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		
<b>S15 Jimmy</b>								
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		
<b>Safari</b>								
1990-1985	2.5 L4	E				250-21001		
2005-2003	4.3 V6	X			Right	250-24355		•250-24355
2005-2003	4.3 V6	X			Left	250-24339		
2002-2000	4.3 V6	W, X			Right	250-24269		•250-24269
2002-2000	4.3 V6	W, X			Left	250-24836		
1999-1998	4.3 V6	W			Right	250-24273		•250-24273
1999-1998	4.3 V6	W			Left	250-24273		
1997-1996	4.3 V6	W			Right	250-24012		•250-24018
1997-1996	4.3 V6	W			Left	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		
<b>Savana 1500</b>								
2014-2008	4.3 V6	X	LU3		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 OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	4.3 V6	X		2nd Design - Right OEM Sensor Length 12.25"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1998	4.3 V6	W			Right	250-24012		
2002-1998	4.3 V6	W			Left	250-24012		•250-24018
1997-1996	4.3 V6	W			Left Right	250-24012 250-24012		250-24018 250-24018
2002-1998	5.0 V8	M			Right	250-24012		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>Savana 1500 (cont'd)</b>								
2002-1998	5.0 V8	M			Left	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	Calif-ESV Calif-ESV	Left Right	250-241128 250-241128		250-24950 250-24950
2007	5.3 V8	T, Z	L59	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
2003	5.3 V8	T		1st Design - Right OEM Sensor Length 14.75" 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	5.3 V8	T		2nd Design - Right OEM Sensor Length 12.25" 2nd Design - Right OEM Sensor Length 12.25"	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
<b>Savana 2500</b>								
2021	4.3 V6	P	LV1		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2018	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 OEM Sensor Length 14.75" 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	4.3 V6	X		2nd Design - Right OEM Sensor Length 12.25" 2nd Design - Right OEM Sensor Length 12.25"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1998	4.3 V6	W		GVW Over 8,500LBS.	Right	250-24019		
2002-1998	4.3 V6	W		GVW Over 8,500LBS.	Left	250-24019		•250-24018
2002-1998	4.3 V6	W		GVW Under 8,500LBS.	Right	250-24012		
2002-1998	4.3 V6	W		GVW Under 8,500LBS.	Left	250-24012		•250-24018
1997-1996	4.3 V6	W		GVW Over 8,500LBS.	Left	250-24019		250-24018
1997-1996	4.3 V6	W		GVW Over 8,500LBS.	Right	250-24019		250-24018
1997-1996	4.3 V6	W		GVW Under 8,500LBS.	Left	250-24012		250-24018
1997-1996	4.3 V6	W		GVW Under 8,500LBS.	Right	250-24012		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 OEM Sensor Length 14.75" 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	4.8 V8	V		2nd Design - Right OEM Sensor Length 12.25" 2nd Design - Right OEM Sensor Length 12.25"	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 OEM Sensor Length 14.75" 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	5.3 V8	T		2nd Design - Right OEM Sensor Length 12.25" 2nd Design - Right OEM Sensor Length 12.25"	Left Right	250-241119 250-24339		250-241119 250-24339
2002-1996	5.7 V8	R		GVW Over 8,500LBS.	Left	250-24019		250-24018
2002-1996	5.7 V8	R		GVW Over 8,500LBS.	Right	250-24019		250-24018
2002-1996	5.7 V8	R		GVW Under 8,500LBS.	Left	250-24012		250-24018
2002-1996	5.7 V8	R		GVW Under 8,500LBS.	Right	250-24012		250-24018
2020-2016	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

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>Savana 2500 (cont'd)</b>								
2004	6.0 V8	U		CNG, 1st Design - Right OEM Sensor Length 14.75" CNG, 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2004	6.0 V8	U		CNG, 2nd Design - Right OEM Sensor Length 12.25" CNG, 2nd Design - Right OEM Sensor Length 12.25"	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 OEM Sensor Length 14.75" 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	6.0 V8	U		2nd Design - Right OEM Sensor Length 12.25" 2nd Design - Right OEM Sensor Length 12.25"	Left Right	250-241119 250-24339		250-241119 250-24339
2021	6.6 V8	7	L8T		Left Right	250-241268 250-241268		250-241212 250-241212
<b>Savana 3500</b>								
2020-2018	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
2020-2016	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
2007-2005	6.0 V8	U			Left Right	250-241119 250-24339		250-241119 250-24339
2004	6.0 V8	U		CNG, 1st Design - Right OEM Sensor Length 14.75" CNG, 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2004	6.0 V8	U		CNG, 2nd Design - Right OEM Sensor Length 12.25" CNG, 2nd Design - Right OEM Sensor Length 12.25"	Left Right	250-241119 250-24339		250-241119 250-24339
2004	6.0 V8	U		Gas Gas	Left Right	250-241119 250-24339		250-241119 250-24339
2003	6.0 V8	U		1st Design - Right OEM Sensor Length 14.75" 1st Design - Right OEM Sensor Length 14.75"	Left Right	250-241119 250-241119		250-241119 250-241119
2003	6.0 V8	U		2nd Design - Right OEM Sensor Length 12.25" 2nd Design - Right OEM Sensor Length 12.25"	Left Right	250-241119 250-24339		250-241119 250-24339
2021	6.6 V8	7	L8T		Left Right	250-241268 250-241268		250-241212 250-241212
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
<b>Savana 4500</b>								
2018-2009	6.0 V8	B, G, K	L96, LC8		Left Right	250-24492 250-24492		250-24491 250-24491
<b>Sierra</b>								
2017-2014	5.3 V8				Left Right	250-241162 250-241162		250-241132 250-241132

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>Sierra (cont'd)</b>								
2017-2014	6.2 V8				Left Right	250-241162 250-241162		250-241132 250-241132
<b>Sierra 1500</b>								
2021-2019	2.7 L4	K	L3B			250-25128		250-241269
2021	4.3 V6	H	LV3		Left Right	250-241268 250-241268		250-241212 250-241212
2020	4.3 V6	H	LV3		Left Right	250-241268 250-241266		250-241212 250-241212
2019-2014	4.3 V6	H	LV3		Left Right	250-241162 250-241162		250-241132 250-241132
2013-2008	4.3 V6	X	LU3		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
2021	5.3 V8	D, F	L82, L84		Left Right	250-241268 250-241268		250-241212 250-241212
2020	5.3 V8	D, F	L82, L84		Left Right	250-241268 250-241266		250-241212 250-241212
2019-2014	5.3 V8	C, D, F	L82, L83, L84		Left Right	250-241162 250-241162		250-241132 250-241132
2018-2016	5.3 V8	R	L8B	Hybrid Hybrid	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
2021	6.2 V8	L	L87		Left Right	250-241268 250-241268		250-241212 250-241212
2020	6.2 V8	L	L87		Left Right	250-241268 250-241266		250-241212 250-241212

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>Sierra 1500 (cont'd)</b>								
2019-2014	6.2 V8	J, L	L86, L87		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
<b>Sierra 1500 Classic</b>								
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
<b>Sierra 1500 HD</b>								
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
<b>Sierra 1500 HD Classic</b>								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267
<b>Sierra 1500 Limited</b>								
2019	5.3 V8	C	L83		Left Right	250-241162 250-241133		250-241132 250-241132
<b>Sierra 2500</b>								
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
<b>Sierra 2500 HD</b>								
2019-2016	6.0 V8	B, G	L96, LC8		Left Right	250-241133 250-241133		250-241132 250-241132
2015-2011	6.0 V8	B, G	L96, LC8		Left Right	250-24492 250-24492		250-24736 250-24736
2010-2008	6.0 V8	K			Left Right	250-24470 250-24470		250-24736 250-24736
2007	6.0 V8	K			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
2021-2020	6.6 V8	7	L8T		Left Right	250-241268 250-241268		250-241212 250-241212
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
<b>Sierra 2500 HD Classic</b>								
2007	6.0 V8	U			Left Right	250-24491 250-24491		250-24488 250-24267



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>Sierra 2500 HD Classic (cont'd)</b>								
2007	8.1 V8	G			Left Right	250-24491 250-24491		250-24492 250-24491
<b>Sierra 3500</b>								
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
<b>Sierra 3500 Classic</b>								
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
<b>Sierra 3500 HD</b>								
2019-2016	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
2021-2020	6.6 V8	7	L8T		Left Right	250-241268 250-241268		250-241212 250-241212
<b>Sonoma</b>								
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			Right	250-24269		•250-24269
2004-2003	4.3 V6	X			Left	250-24269		•250-24269
2002	4.3 V6	W			Left Left Right	250-24269 250-24269 250-24269		250-24269 250-24269 •250-24012
2001-1998	4.3 V6	W, X			Left Right	250-24012 250-24012	250-24012	•250-24012
2001-1996	4.3 V6	W, X			Left	250-24012		•250-24012
1997-1996	4.3 V6	W, X				250-23005		
1995-1994	4.3 V6	W, Z		3 wire Sensor		250-24012		
1995-1994	4.3 V6	W		4 Wire Sensor		250-24012		
1993-1992	4.3 V6	W, Z				250-23005		
1991	4.3 V6	Z				250-21001		
<b>Syclone</b>								
1991	4.3 V6	Z				250-23005		
<b>Terrain</b>								
2021-2018	1.5 L4	V	LYX			250-241188		250-241188
2020-2018	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

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>Terrain (cont'd)</b>								
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
<b>Typhoon</b>								
1993-1992	4.3 V6	Z				250-23005		
<b>V1500</b>								
1987	4.3 V6	Z				250-21001		
1987	5.0 V8	H				250-21001		
1987	5.7 V8	K				250-21001		
<b>V1500 Suburban</b>								
1991-1987	5.7 V8	K				250-21001		
<b>V2500</b>								
1987	5.7 V8	K				250-21001		
<b>V2500 Suburban</b>								
1991-1987	5.7 V8	K				250-21001		
<b>V3500</b>								
1991-1987	5.7 V8	K				250-21001		
1991-1987	7.4 V8	N				250-21001		
<b>Yukon</b>								
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
2021	5.3 V8	D	L84		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2016	5.3 V8	C	L83		Left Right	250-241162 250-241133		250-241132 250-241132
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	R			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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>GMC (cont'd)</b>								
<b>Yukon (cont'd)</b>								
2001	6.0 V8	U			Left Right	250-24248 250-24248		250-24202 250-24018
2021	6.2 V8	L	L87		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2016	6.2 V8	J	L86		Left Right	250-241162 250-241133		250-241132 250-241132
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
<b>Yukon XL</b>								
2021	5.3 V8	D	L84		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2016	5.3 V8	C	L83		Left Right	250-241162 250-241133		250-241132 250-241132
2015	5.3 V8	C	L83		Left Right	250-241162 250-241162		250-241132 250-241132
2021	6.2 V8	L	L87		Left Right	250-241268 250-241268		250-241212 250-241212
2020-2016	6.2 V8	J	L86		Left Right	250-241162 250-241133		250-241132 250-241132
2015	6.2 V8	J	L86		Left Right	250-241162 250-241162		250-241132 250-241132
<b>Yukon XL 1500</b>								
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
<b>Yukon XL 2500</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HONDA</b>								
<b>Accord</b>								
2021-2018	1.5 L4		L15BE			250-25148		250-241259
1985-1984	1.8 L4					250-21009		
2021-2018	2.0 L4		K20C4			250-25148		250-241252
2021-2017	2.0 L4		LFA1, LFB2	Hybrid		250-25149		250-241208
2015	2.0 L4		LFA1	Hybrid		250-54041		250-24917
2014	2.0 L4		LFA1			250-54041		250-24917
1989-1986	2.0 L4		A20A1, A20A3, BS, BT			250-21009		
1997-1996	2.2 L4		F22B1	EX Model (VTEC)		250-24011		250-24601
1997	2.2 L4		F22B2	DX, LX, SE & Value Package Models		250-24620		250-24601
1996	2.2 L4		F22B2	25th Ann., DX, LX & Value Package Models		250-24620		250-24601
1995-1994	2.2 L4		F22B2	DX & LX Models		250-24620		
1995-1994	2.2 L4		F22B1	EX Model (VTEC)		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		
2002-2001	2.3 L4		F23A5	DX & Value Package Models w/ F23A5 Engine		250-24620		250-24343
2002	2.3 L4		F23A1	EX, LX & SE Models w/ F23A1 Engine		250-24620		250-24343
2002	2.3 L4		F23A4	EX Model w/ F23A4 Engine		250-54005		250-24429
2002	2.3 L4		F23A4	LX & SE Models w/ F23A4 Engine		250-54005		250-24343
2001	2.3 L4		F23A1	EX & LX Models w/ F23A1 Engine		250-24620		250-24343
2001	2.3 L4		F23A4	EX & LX Models w/ F23A4 Engine		250-54005		250-24343
2000-1998	2.3 L4		F23A5	DX Model w/ F23A5 Engine		250-24620		250-24343
2000	2.3 L4		F23A1	EX, LX & SE Models w/ F23A1 Engine		250-24620		250-24343
2000	2.3 L4		F23A4	EX, LX & SE Models w/ F23A4 Engine		250-54055		250-24343
1999-1998	2.3 L4		F23A1	EX & LX Models w/ F23A1 Engine		250-24620		250-24343
1999	2.3 L4		F23A4	EX & LX Models w/ F23A4 Engine		250-54055		250-24343
1998	2.3 L4		F23A4	EX Model w/ F23A4 Engine		250-54055		250-24343
2017-2013	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	Front	250-25001		250-24346
				A/T	Rear	250-25001		250-24391
2007-2006	3.0 V6		J30A5	M/T	Front	250-25001		250-24391
				M/T	Rear	250-25001		250-24391
2007-2005	3.0 V6		JNA1	Hybrid Model	Front	250-25001		250-24346
				Hybrid Model	Rear	250-25001		250-24391
2005-2003	3.0 V6		J30A4	2-Door, A/T	Front	250-25001		250-24346
				2-Door, A/T	Rear	250-25001		250-24391
2005-2003	3.0 V6		J30A4	2-Door, M/T	Front	250-25001		250-24391
				2-Door, M/T	Rear	250-25001		250-24391
2005-2003	3.0 V6		J30A4	4-Door	Front	250-25001		250-24346
				4-Door	Rear	250-25001		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
2017-2014	3.5 V6		J35Y2		Front	250-25059		250-24786
					Rear	250-25059		250-24785
2017-2013	3.5 V6		J35Y1, J35Y2	Calif ESV	Front	250-25082		250-24917
				Calif ESV	Rear	250-25082		250-24785
2017-2013	3.5 V6		J35Y1, J35Y2	Non-Calif ESV	Front	250-25059		250-24917
				Non-Calif ESV	Rear	250-25059		250-24785
2012-2010	3.5 V6		J35Z2, J35Z3		Front	250-25059		250-24787
					Rear	250-25059		250-24785
2011-2010	3.5 V6		J35Z2		Front	250-25059		250-24785
					Rear	250-25059		250-24785
2009-2008	3.5 V6		J35Z2	Calif-ESV	Front	250-25082		250-24785
				Calif-ESV	Rear	250-25082		250-24785
2009-2008	3.5 V6		J35Z2	Non Calif-ESV	Front	250-25059		250-24787
				Non Calif-ESV	Rear	250-25059		250-24787
<b>Accord Crosstour</b>								
2011-2010	3.5 V6		J35Z2		Front	250-25059		250-24785
					Rear	250-25059		250-24785
<b>City</b>								
2017	1.5 L4					250-25137		250-241208
2016	1.5 L4					250-54111		250-24856
<b>Civic</b>								
2011-2009	1.3 L4		LDA2	Hybrid Model		250-54040		250-24786
2008-2006	1.3 L4		LDA2	Hybrid Model		250-54112		250-24786

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HONDA (cont'd)</b>								
<b>Civic (cont'd)</b>								
2005-2004	1.3 L4		LDA1	Hybrid Model, Calif-ESV		250-54013		250-241123
2005-2004	1.3 L4		LDA1	Hybrid Model, Non Calif-ESV		250-54013	250-24398	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		250-24346
2003	1.3 L4		LDA1	Hybrid, Non Calif-ESV		250-54013	250-24398	250-24446
2021-2017	1.5 L4		L15B7, L15BA			250-25137		250-241208
2016	1.5 L4		L15B7					250-241196
						250-25137		250-241208
2015	1.5 L4		LEA2	Hybrid		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 Model		250-54075		250-24343
2005-2001	1.7 L4		D17A7	GX Model		250-24473		250-24121
2005-2001	1.7 L4		D17A6	HX Model		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 Model		250-24429		250-24343
2001	1.7 L4		D17A1	DX Model		250-24473		250-24121
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
2021-2017	2.0 L4		K20C2	Non Turbo		250-25137		250-241196
2021-2017	2.0 L4		K20C1	Turbo		250-25034		250-241256
2016	2.0 L4		K20C2			250-25137		250-241196
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
<b>Civic del Sol</b>								
1995-1993	1.5 L4		D15B7	S Model		250-24099		
1997-1996	1.6 L4		B16A2	Vtec Models		250-24011		250-241042
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		D16Z6	SI Models		250-24099		
1995-1994	1.6 L4		B16A3	Vtec Models		250-24011		
1993	1.6 L4		D16Z6			250-24099		
<b>Clarity</b>								
2020-2018	1.5 L4		LEB3			250-25137		
<b>Crosstour</b>								
2015-2012	2.4 L4		K24Y2			250-54038		250-24917

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HONDA (cont'd)</b>								
<b>Crosstour (cont'd)</b>								
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
<b>CR-V</b>								
2021-2017	1.5 L4		L15BE	Hybrid		250-25137		250-241208
2021-2020	2.0 L4		LFB2			250-25149		250-241208
2001-1997	2.0 L4		B20B4, B20Z2			250-24011		250-24105
2019-2012	2.4 L4		K24W9, 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
<b>CRX</b>								
1991-1988	1.5 L4		D15B2, D15B6			250-21009		
1991-1988	1.6 L4		D16A6			250-21009		
<b>CR-Z</b>								
2015	1.5 L4		LEA1			250-54111		250-24856
2014	1.5 L4		LEA1			250-54038		250-24856
2013-2012	1.5 L4		LEA1			250-54111		250-24856
2011	1.5 L4		LEA1			250-54038		250-24856
<b>Element</b>								
2011	2.4 L4		K24A8			250-54083		250-24398
2010-2003	2.4 L4		K24A4, K24A8			250-54046		250-24398
<b>Fit</b>								
2020-2015	1.5 L4		L15A7, L15B1			250-54038		250-24856
2013-2009	1.5 L4		L15A7			250-54111		250-24856
2008-2007	1.5 L4		L15A1			250-54111		250-24798
<b>HR-V</b>								
2020-2016	1.8 L4		R18Z9			250-54041		250-24917
<b>Insight</b>								
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
2021-2019	1.5 L4		LEB6			250-25137		
<b>Odyssey</b>								
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
2020-2018	3.5 V6		J35Y7		Front Rear	250-25137 250-25137		
2020-2018	3.5 V6		J35Y7	Elite and Touring Models Only Elite and Touring Models Only	Front Rear	250-25137 250-25137		250-241208 250-241253
2017-2014	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
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



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<b>HONDA (cont'd)</b>								
<b>Odyssey (cont'd)</b>								
2000-1999	3.5 V6		J35A1			250-24099		250-24620
<b>Passport</b>								
1996	2.6 L4		4ZE1			250-24012		250-24012
1995-1994	2.6 L4		4ZE1			250-23004		
2002	3.2 V6		6VD1		Left	250-24269		250-24269
					Right	250-24269		250-24269
2001	3.2 V6		6VD1		Left	250-24490		250-24490
					Right	250-24490		250-24490
2000-1996	3.2 V6		6VD1		Left	250-24012		250-24012
					Right	250-24012		250-24012
1995-1994	3.2 V6		6VD1			250-24389		
2020-2019	3.5 V6		J35Y6		Front	250-25137		
					Rear	250-25137		
<b>Pilot</b>								
2019	3.5 V6		J35Y6		Front	250-25059		250-24917
					Rear	250-25059		250-24785
2018-2016	3.5 V6		J35Y6		Rear	250-25059		250-24785
2018-2016	3.5 V6		J35Y6		Front			250-24833
					Front	250-25059		250-24917
2015-2014	3.5 V6		J35Z4		Front	250-25059		250-24915
					Rear	250-25059		250-24785
2013-2009	3.5 V6		J35Z4		Front	250-25059		250-24785
					Rear	250-25059		250-24785
2008-2005	3.5 V6		J35A6, J35A9, J35Z1		Front	250-25001		250-24346
					Rear	250-25001		250-24391
2004	3.5 V6		J35A4		Front	250-24346		250-24601
					Rear	250-24346		250-24601
2003	3.5 V6		J35A4			250-24346		250-24601
<b>Prelude</b>								
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		
<b>Ridgeline</b>								
2020	3.5 V6		J35Y6		Front	250-25137		
2019-2017	3.5 V6		J35Y6		Front	250-25059		250-24917
					Rear	250-25059		250-24785
2014	3.5 V6		J35Z5		Front	250-25059		250-24915
					Rear	250-25059		250-24785
2013-2009	3.5 V6		J35Z5		Front	250-25059		250-24785
					Rear	250-25059		250-24785
2008-2006	3.5 V6		J35A9		Front	250-25001		250-24346
					Rear	250-25001		250-24391
<b>S2000</b>								
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
<b>Wagovan</b>								
1987-1986	1.5 L4					250-21033		
1984	1.5 L4					250-21033		
<b>HUMMER</b>								
<b>H2</b>								
2007	6.0 V8	U			Left	250-24703		250-24355
					Right	250-24703		250-24355
2006-2003	6.0 V8	U			Left	250-24491		250-241119
					Right	250-24491		250-241119

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HUMMER (cont'd)</b>								
<b>H2 (cont'd)</b>								
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
<b>H3</b>								
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
<b>H3T</b>								
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
<b>HYUNDAI</b>								
<b>Accent</b>								
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		
2019-2018	1.6 L4	3				250-25017		250-24982
2017-2012	1.6 L4	E				250-25035		250-24982
2011-2001	1.6 L4	C				250-24349		250-24349
<b>Azera</b>								
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
<b>Elantra</b>								
2020-2017	1.4 L4	A				250-25062		250-24982
2020-2017	1.6 L4	B				250-25062		250-24982
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		
2016-2014	1.8 L4	E				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		
2020	2.0 L4	F		From 04/15/2019		250-25034		
2020	2.0 L4	F		To 04/15/2019		250-25034		250-24988
2019-2017	2.0 L4	F				250-25034		250-24779
2017	2.0 L4					250-24988		250-24988
2016-2015	2.0 L4	H				250-25034		250-24988
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



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HYUNDAI (cont'd)</b>								
<b>Elantra (cont'd)</b>								
2003-2001	2.0 L4		G4CP			250-24438		250-24349
2000-1999	2.0 L4	F	G4CP			250-24357		250-24356
<b>Elantra Coupe</b>								
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
<b>Elantra GT</b>								
2018	1.6 L4	C				250-25062		250-24982
2013	1.8 L4			Calif-ESV		250-25034		250-24988
2013	1.8 L4			Non Calif-ESV		250-25049		250-24987
2020-2018	2.0 L4	E				250-25034		250-24779
2017-2015	2.0 L4	H				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
<b>Entourage</b>								
2008-2007	3.8 V6	3			Front Rear	250-24690 250-24690		250-24690 250-24707
<b>Equus</b>								
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
<b>Excel</b>								
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		
<b>Genesis</b>								
2016-2015	3.8 V6	E			Left Right	250-241277		250-24909 250-24909
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
2016-2012	5.0 V8	F, H			Left Right	250-24849 250-24849		250-24849 250-24849
<b>Genesis Coupe</b>								
2014-2013	2.0 L4	D	G4KF			250-25017		250-24878
2012-2010	2.0 L4	D				250-24916		250-24878
2016-2015	3.8 V6	J			Left Right	250-24908 250-241034		250-24909 250-24909
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
<b>Grand i10</b>								
2015	1.3 L4					250-24780		
<b>Ioniq</b>								
2020-2017	1.6 L4	C, D				250-25017		250-24982
<b>ix35</b>								
2015	2.0 L4					250-25062		250-24878
<b>Kona</b>								
2020-2018	1.6 L4	5				250-25062		250-24982

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HYUNDAI (cont'd)</b>								
<b>Kona (cont'd)</b>								
2020-2018	2.0 L4	A				250-25034		250-24988
<b>Palisade</b>								
2021-2020	3.8 V6	E			Left Right	250-25049 250-25034		250-241276
<b>Santa Fe</b>								
2020-2019	2.0 L4	A				250-25062		
2020	2.4 L4	D		AWD		250-25062		250-241276
2020	2.4 L4	D		FWD		250-25062		
2019	2.4 L4	D				250-25062		
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
2018-2013	3.3 V6	F		AWD	Front	250-24908		250-24909
				AWD	Rear	250-24908		250-24688
2018-2013	3.3 V6	F		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
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
<b>Santa Fe Sport</b>								
2017	2.0 L4					250-25062		
2014-2013	2.0 L4	A				250-25062		250-241146
2014-2013	2.4 L4					250-25062		250-24878
<b>Santa Fe XL</b>								
2019	3.3 V6	F		AWD	Front	250-24908		250-24909
				AWD	Rear	250-24908		250-24688
2019	3.3 V6	F		FWD	Front	250-24908		250-24909
				FWD	Rear	250-241034		250-24688
<b>Scoupe</b>								
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		
<b>Sonata</b>								
2019-2018	1.6 L4	A				250-25062		250-24982
2017-2015	1.6 L4	A				250-25034		250-24982
2019-2018	2.0 L4	B				250-25062		
2019-2016	2.0 L4	1, 2		Hybrid		250-25034		250-24988
2017-2015	2.0 L4	B				250-25062		250-241276
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		
2019-2013	2.4 L4	C, F				250-25062		250-24913
2015-2011	2.4 L4	4	G4KK	Hybrid		250-25062		250-24878
2012	2.4 L4	C		A/T		250-25062		250-24913
2012	2.4 L4	C		M/T		250-25017		250-24913
2011	2.4 L4	C		Calif-ESV; A/T; From 3/21/2011		250-25062		250-24878
2011	2.4 L4	C		Calif-ESV; A/T; To 3/21/2011		250-25062		250-24913
2011	2.4 L4	C		M/T; From 3/21/2011		250-25017		250-24878
2011	2.4 L4	C		M/T; To 3/21/2011		250-25017		250-24913

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HYUNDAI (cont'd)</b>								
<b>Sonata (cont'd)</b>								
2011	2.4 L4	C		Non Calif-ESV; A/T; From 3/21/2011		250-25017		250-24878
2011	2.4 L4	C		Non Calif-ESV; A/T; To 3/21/2011		250-25017		250-24913
2010-2009	2.4 L4	C		Calif-ESV		250-25062		250-24878
2010-2009	2.4 L4	C		Non Calif-ESV		250-25017		250-24913
2008-2006	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
				From 8/16/02	Rear	250-24461		250-24783
2002	2.7 V6			To 8/16/02	Front	250-24517		250-24517
				To 8/16/02	Rear	250-24517		250-24518
1998-1996	3.0 V6	T				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
<b>Tiburon</b>								
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
<b>Tucson</b>								
2018-2016	1.6 L4	2				250-25034		250-24982
2020-2019	2.0 L4	4		AWD		250-25034		
2020-2019	2.0 L4	4		FWD		250-25034		250-24988
2018-2016	2.0 L4	4		AWD		250-25049		250-24987
2018-2016	2.0 L4	4		FWD		250-25049		250-241224
2017-2016	2.0 L4					250-25034		250-24982
2015	2.0 L4	F				250-25049		250-241040
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
2020	2.4 L4	L				250-25062		
2019	2.4 L4	L		AWD		250-25062		250-241276
2019	2.4 L4	L		FWD		250-25062		
2015-2014	2.4 L4	G				250-25062		250-24878
2013	2.4 L4	C		Calif-ESV; A/T		250-25062		250-24878
2013	2.4 L4	C		M/T		250-25065		250-24864
2013	2.4 L4	C		Non Calif-ESV; A/T		250-25065		250-24864
2012	2.4 L4	C		Calif-ESV; A/T Only		250-25062		250-24878
2012	2.4 L4	C		Non Calif-ESV		250-25065		250-24864
2011-2010	2.4 L4	C		Calif-ESV; A/T		250-25062		250-24878
2011-2010	2.4 L4	C		M/T		250-25065		250-24864
2011-2010	2.4 L4	C		Non Calif-ESV; A/T		250-25065		250-24864
2009-2005	2.7 V6	D			Front Rear	250-24461 250-24461		250-24461 250-24783
<b>Veloster</b>								
2021-2019	1.6 L4	B				250-25062		
2017-2016	1.6 L4	E				250-25034		250-24982
2017-2012	1.6 L4	D				250-25035		250-24982
2015	1.6 L4	E				250-25049		250-241148
2020-2019	2.0 L4	F				250-25034		250-24779

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>HYUNDAI (cont'd)</b>								
<b>Veracruz</b>								
2012-2007	3.8 V6	C			Front Rear	250-24690 250-24739		250-24690 250-24707
<b>XG300</b>								
2001	3.0 V6				Front Rear	250-24422 250-24422		250-24383 250-241124
<b>XG350</b>								
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
<b>INFINITI</b>								
<b>EX35</b>								
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
<b>EX37</b>								
2013	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
<b>FX35</b>								
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
<b>FX37</b>								
2013	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
<b>FX45</b>								
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
<b>FX50</b>								
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
<b>G20</b>								
2002	2.0 L4		SR20DE			250-23159		250-24437
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		
<b>G25</b>								
2012-2011	2.5 V6				Left Right	250-54103 250-54103		250-24741 250-24741

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>INFINITI (cont'd)</b>								
<b>G35</b>								
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
<b>G37</b>								
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
<b>I30</b>								
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
<b>I35</b>								
2004-2002	3.5 V6		VQ35DE		Front Rear	250-23131 250-23131		250-24285 250-24418
<b>J30</b>								
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		
<b>JX35</b>								
2013	3.5 V6				Left Right	250-54102 250-54102		250-241106 250-241108
<b>M30</b>								
1992-1990	3.0 V6	H	VG30E			250-23510		
<b>M35</b>								
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
<b>M35h</b>								
2013-2012	3.5 V6				Left Right	250-54102 250-54102		250-241104 250-241104
<b>M37</b>								
2013-2012	3.7 V6				Left Right	250-54102 250-54102		250-24741 250-24741
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
<b>M45</b>								
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
<b>M56</b>								
2013-2011	5.6 V8		VK56VDS		Left Right	250-25105 250-25105		250-24741 250-24741

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>INFINITI (cont'd)</b>								
<b>Q40</b>								
2015	3.7 V6		VQ37VHR	From 06/2014	Left	250-54105		250-241106
				From 06/2014	Right	250-54105		250-241106
2015	3.7 V6		VQ37VHR	To 06/2014	Left	250-54102		250-24741
				To 06/2014	Right	250-54102		250-24741
<b>Q45</b>								
2001-1999	4.1 V8	B	VH41DE		Left	250-23087		250-24103
					Right	250-23087		250-24103
1998	4.1 V8	B	VH41DE		Right	250-23087		
1998	4.1 V8	B	VH41DE					•250-24103
					Left	250-23087		
1997	4.1 V8	B	VH41DE		Left	250-23087		250-24103
					Right	250-23089		250-24103
2006	4.5 V8		VK45DE	From 12/2005	Left	250-25005		250-24448
				From 12/2005	Right	250-25005		250-24403
2006	4.5 V8		VK45DE	To 12/2005	Left	250-24450		250-24448
				To 12/2005	Right	250-24452		250-24403
2005-2002	4.5 V8		VK45DE		Left	250-24450		250-24448
					Right	250-24452		250-24403
1996	4.5 V8	N	VH45DE		Left	250-23089		250-24499
					Right	250-23087		250-24138
1995-1991	4.5 V8	N	VH45DE		Left	250-23089		
					Right	250-23087		
1990	4.5 V8	N	VH45DE		Left	250-23089		
					Right	250-23089		
<b>Q50</b>								
2019-2016	2.0 L4	C				250-25043		250-241159
2020-2016	3.0 V6	E, F	VR30DDTT		Left	250-54117		250-241219
					Right	250-54117		250-241219
2017	3.0 V6		VR30DDTT		Left	250-25043		250-241219
					Right	250-25043		250-241219
2018-2014	3.5 V6		VQ35HR	Hybrid	Left	250-54105		250-241104
				Hybrid	Right	250-54105		250-241104
2017-2014	3.7 V6		VQ37VHR		Left	250-54105		250-241106
					Right	250-54105		250-241106
<b>Q60</b>								
2018-2017	2.0 L4	C				250-25043		250-241159
2020-2017	3.0 V6	E, F	VR30DDTT		Left	250-54117		250-241219
					Right	250-54117		250-241219
2016	3.7 V6		VQ37VHR		Left	250-54105		250-241106
					Right	250-54105		250-241106
2015	3.7 V6		VQ37VHR	From 06/2014	Left	250-54105		250-241106
				From 06/2014	Right	250-54105		250-241106
2015	3.7 V6		VQ37VHR	To 06/2014	Left	250-54102		250-241106
				To 06/2014	Right	250-54102		250-241106
2014	3.7 V6				Left	250-54102		250-241106
					Right	250-54102		250-241106
<b>Q70</b>								
2018-2015	3.5 V6		VQ35HR	Hybrid	Left	250-54105		250-241104
				Hybrid	Right	250-54105		250-241104
2014	3.5 V6		VQ35HR	Hybrid, From 11/2013	Left	250-54105		250-241104
				Hybrid, From 11/2013	Right	250-54105		250-241104
2014	3.5 V6		VQ35HR	Hybrid, To 11/2013	Left	250-54102		250-241104
				Hybrid, To 11/2013	Right	250-54102		250-241104
2019-2015	3.7 V6		VQ37VHR		Left	250-54105		250-241106
					Right	250-54105		250-241106
2014	3.7 V6		VQ37VHR	From 11/2013	Left	250-54105		250-241106
				From 11/2013	Right	250-54105		250-241106
2014	3.7 V6		VQ37VHR	To 11/2013	Left	250-54102		250-24741
				To 11/2013	Right	250-54102		250-24741
2019-2016	5.6 V8		VK56VD		Left	250-54105		250-24741
					Right	250-54105		250-24741
2015	5.6 V8		VK56VD	From 07/2014	Left	250-54105		250-24741
				From 07/2014	Right	250-54105		250-24741
2015	5.6 V8		VK56VD	To 07/2014	Left	250-25105		250-24741
				To 07/2014	Right	250-25105		250-24741
2014	5.6 V8		VK56VD		Left	250-25105		250-24741
					Right	250-25105		250-24741
<b>Q70L</b>								
2019-2015	3.7 V6		VQ37VHR		Left	250-54105		250-241106
					Right	250-54105		250-241106



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>INFINITI (cont'd)</b>								
<b>Q70L (cont'd)</b>								
2019-2016	5.6 V8		VK56VD		Left Right	250-54105 250-54105		250-24741 250-24741
2015	5.6 V8		VK56VD	From 07/2014 From 07/2014	Left Right	250-54105 250-54105		250-24741 250-24741
2015	5.6 V8		VK56VD	To 07/2014 To 07/2014	Left Right	250-25105 250-25105		250-24741 250-24741
<b>QX4</b>								
2000-1997	3.3 V6	-	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
<b>QX30</b>								
2019-2017	2.0 L4	C				250-25043		250-241145
<b>QX50</b>								
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
<b>QX56</b>								
2013-2011	5.6 V8		VK56VD		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
<b>QX60</b>								
2017-2014	2.5 L4		QR25DER	Hybrid		250-54102		250-241105
2019-2016	3.5 V6		VQ35DD, VQ35DE		Left Right	250-54105 250-54105		250-241151 250-241151
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		VQ35DE		Left Right	250-54102 250-54102		250-241106 250-241108
<b>QX70</b>								
2017	3.7 V6		VQ37VHR		Left Right	250-54105 250-54105		250-241106 250-241106
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
2016	5.0 V8		VK50VE		Left Right	250-54105 250-54105		250-241106 250-241106
2014	5.0 V8				Left Right	250-54104 250-54104		250-24741 250-24741
<b>QX80</b>								
2019-2017	5.6 V8		VK56VD		Left Right	250-54105 250-54105		250-241107 250-241107
2016	5.6 V8		VK56VD	From 08/2015 From 08/2015	Left Right	250-54105 250-54105		250-241107 250-241107
2016	5.6 V8		VK56VD	To 08/2015 To 08/2015	Left Right	250-54105 250-54105		250-24771 250-24771
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		VK56VD		Left Right	250-25105 250-25105		250-24771 250-24771
<b>ISUZU</b>								
<b>Amigo</b>								
2000-1998	2.2 L4					250-24012		250-24012

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>ISUZU (cont'd)</b>								
<b>Amigo (cont'd)</b>								
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
<b>Ascender</b>								
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 Right	250-24704		250-24339
2006	5.3 V8	M		1st Design - Downstream Square Connector 2nd Design - Downstream Triangular Connector	Left Right	250-24704 250-24704		250-24339 250-24950
2005	5.3 V8	M		2nd Design - Downstream Triangular Connector	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
<b>Axiom</b>								
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
<b>Hombre</b>								
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			Right	250-24012		
2000	4.3 V6	W			Left	250-24012		•250-24012
1999-1997	4.3 V6	X			Left Right	250-24012 250-24012		250-24012 250-24012
<b>i-280</b>								
2006	2.8 L4	8				250-24698		250-24703
<b>i-290</b>								
2008-2007	2.9 L4	9				250-24698		250-24708
<b>i-350</b>								
2006	3.5 L5	6				250-24698		250-24703
<b>i-370</b>								
2008-2007	3.7 L5	E				250-24698		250-24708
<b>I-Mark</b>								
1989-1985	1.5 L4					250-21001		
1989	1.6 L4					250-21001		
1984-1982	1.8 L4					250-21001		
<b>Impulse</b>								
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		
<b>Oasis</b>								
1997-1996	2.2 L4					250-24011		250-24121
1999-1998	2.3 L4					250-24011		250-24121
<b>Pickup</b>								
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		





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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>ISUZU (cont'd)</b>								
<b>Pickup (cont'd)</b>								
1992-1988	2.6 L4					250-21001		
1994-1991	3.1 V6					250-21001		
<b>Rodeo</b>								
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	250-24269		250-24269
					Right	250-24269		250-24269
2001	3.2 V6				Left	250-24490		250-24490
					Right	250-24490		250-24490
2000-1996	3.2 V6				Left	250-24012		250-24012
					Right	250-24012		250-24012
1995-1993	3.2 V6					250-24389		
2004	3.5 V6				Left	250-24269		250-24269
					Right	250-24269		250-24269
<b>Rodeo Sport</b>								
2003-2001	2.2 L4	D	X22SE			250-24012		250-24012
2003-2002	3.2 V6	W	6VD1		Left	250-24269		250-24269
					Right	250-24269		250-24269
2001	3.2 V6	W	6VD1		Left	250-24490		250-24490
					Right	250-24490		250-24490
<b>Stylus</b>								
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		
<b>Trooper</b>								
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	250-24012		250-24012
					Right	250-24012		250-24012
1995-1992	3.2 V6					250-24389		
2002-2000	3.5 V6				Left	250-24490		250-24490
					Right	250-24490		250-24490
1999-1998	3.5 V6				Left	250-24012		250-24012
					Right	250-24012		250-24012
<b>VehiCROSS</b>								
2001-1999	3.5 V6				Left	250-24012		250-24012
					Right	250-24012		250-24012
<b>JAGUAR</b>								
<b>E-Pace</b>								
2020-2018	2.0 L4	X	AJ20P			250-25141	250-241139	250-241231
<b>F-Pace</b>								
2020	2.0 L4	X	AJ20P	From Chassis/VIN LA649166		250-25141		
2020	2.0 L4	X	AJ20P	From Chassis/VIN LA649978		250-25141		
2020	2.0 L4	X	AJ20P	To Chassis/VIN LA649165		250-25141	250-241138	250-241152
2020	2.0 L4	X	AJ20P	To Chassis/VIN LA649977		250-25141		250-241152
2019-2018	2.0 L4	X	AJ20P			250-25141	250-241138	250-241152
2020	3.0 V6	V		From Chassis/VIN LA649166; LA649978	Left	250-25108		
				From Chassis/VIN LA649166; LA649978	Right	250-25108		
2020	3.0 V6	V		To Chassis/VIN LA649165; LA649977	Left	250-25108	250-241139	250-241139
				To Chassis/VIN LA649165; LA649977	Right	250-25108	250-241138	250-241138
2019-2017	3.0 V6	V			Left	250-25108	250-241139	250-241139
					Right	250-25108	250-241138	250-241138
2020	5.0 V8	E		From Chassis/VIN LA649166; LA649978	Left	250-25150		
				From Chassis/VIN LA649166; LA649978	Right	250-25150		
2020	5.0 V8	E		To Chassis/VIN LA649165; LA649977	Left	250-25150	250-241139	250-241139
				To Chassis/VIN LA649165; LA649977	Right	250-25150	250-241138	250-241138

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>JAGUAR (cont'd)</b>								
<b>F-Pace (cont'd)</b>								
2019	5.0 V8	E			Left Right	250-25150 250-25150	250-241139 250-241138	250-241139 250-241138
<b>F-Type</b>								
2020	2.0 L4	X	AJ20P	From Chassis/VIN K649156		250-25141		
2020	2.0 L4	X	AJ20P	To Chassis/VIN K69155		250-25141	250-241138	250-241140
2019-2018	2.0 L4	X	AJ20P			250-25141	250-241138	250-241140
2018-2017	3.0 V6	7, T, V				250-25109	250-241140	250-241138
					Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
2018-2017	3.0 V6	C, U, V		RWD	Left	250-25109	250-241140	250-241138
				RWD	Right	250-25109	250-241140	250-241138
2018	3.0 V6	V		A/T; AWD	Left	250-25108	250-241139	250-241139
				A/T; AWD	Right	250-25108	250-241138	250-241150
2018	3.0 V6	V		A/T; RWD	Left	250-25109	250-241140	250-241138
				A/T; RWD	Right	250-25109	250-241140	250-241138
2018	3.0 V6	V		AWD	Left	250-25108	250-241139	250-241139
				AWD	Right	250-25108	250-241138	250-241150
2018	3.0 V6	V		M/T	Left	250-25109	250-241140	250-241138
				M/T	Right	250-25109	250-241140	250-241138
2017	3.0 V6	C, U		AWD; A/T Only From Chassis/VIN K47965	Left	250-25108	250-241139	250-241139
				AWD; A/T Only From Chassis/VIN K47965	Right	250-25108	250-241138	250-241198
2017	3.0 V6	C, U		AWD; A/T Only To Chassis/VIN K47964	Left	250-25108	250-241139	250-241139
				AWD; A/T Only To Chassis/VIN K47964	Right	250-25108	250-241138	250-241198
2017	3.0 V6	C, U		AWD; M/T	Left	250-25109	250-241140	250-241138
				AWD; M/T	Right	250-25109	250-241140	250-241138
2016	3.0 V6	6, T		A/T Only	Left	250-25109	250-241140	250-241138
				A/T Only	Right	250-25109	250-241140	250-241138
2016	3.0 V6	C, U		AWD; A/T Only	Left	250-25108	250-241139	250-241139
				AWD; A/T Only	Right	250-25108	250-241138	250-241198
2016	3.0 V6	C, U		RWD; A/T Only	Left	250-25109	250-241140	250-241138
				RWD; A/T Only	Right	250-25109	250-241140	250-241138
2015-2014	3.0 V6	7, C, T, U			Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
2020	5.0 V8	E		To Chassis/VIN K69155	Left	250-25150	250-241139	250-241139
				To Chassis/VIN K69155	Right	250-25150	250-241138	250-241150
2019-2018	5.0 V8	E			Left	250-25150	250-241139	250-241139
					Right	250-25150	250-241138	250-241150
2017	5.0 V8	8, L		From Chassis/VIN K47965	Left	250-25108	250-241139	250-241139
				From Chassis/VIN K47965	Right	250-25108	250-241138	250-241198
2017	5.0 V8	8, L		To Chassis/VIN K47964	Left	250-25108	250-241139	250-241139
				To Chassis/VIN K47964	Right	250-25108	250-241138	250-241198
2016	5.0 V8	8		Model; Project 7	Left	250-25109	250-241140	250-241138
				Model; Project 7	Right	250-25109	250-241140	250-241138
2016	5.0 V8	L		Model R	Left	250-25108	250-241139	250-241139
				Model R	Right	250-25108	250-241138	250-241198
2015-2014	5.0 V8	A, L			Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
<b>S-Type</b>								
2008-2007	3.0 V6				Left	250-54032		250-24730
					Right	250-54032		250-24730
2006	3.0 V6			From Chassis #N52048	Left	250-54032		250-24730
				From Chassis #N52048	Right	250-54032		250-24730
2006	3.0 V6			To Chassis #N52047	Left	250-54018		250-24439
				To Chassis #N52047	Right	250-54018		250-24439
2005-2003	3.0 V6				Left	250-54018		250-24439
					Right	250-54018		250-24439
2002-2000	3.0 V6				Left	250-24749		250-24001
					Right	250-24749		250-24001
2002-2000	4.0 V8				Left	250-24749		250-24001
					Right	250-24749		250-24001
2008-2007	4.2 V8				Left	250-54032		250-24730
					Right	250-54032		250-24730
2006	4.2 V8			From Chassis #N52048	Left	250-54032		250-24730
				From Chassis #N52048	Right	250-54032		250-24730
2006	4.2 V8			To Chassis #N52047	Left	250-54018		250-24439
				To Chassis #N52047	Right	250-54018		250-24439
2005-2003	4.2 V8				Left	250-54018		250-24439
					Right	250-54018		250-24439
<b>Super V8</b>								
2009-2006	4.2 V8				Left	250-54032		250-24730
					Right	250-54032		250-24730

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>JAGUAR (cont'd)</b>								
<b>Super V8 (cont'd)</b>								
2005	4.2 V8				Left Right	250-54018 250-54018		250-24439 250-24439
<b>Vanden Plas</b>								
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
<b>XE</b>								
2020-2018	2.0 L4	X	AJ20P			250-25141	250-241138	250-241152
2018-2017	3.0 V6	V		AWD	Left	250-25108	250-241139	250-241139
				AWD	Right	250-25108	250-241138	250-241138
2018-2017	3.0 V6	V		RWD	Left	250-25109	250-241140	250-241150
				RWD	Right	250-25109	250-241140	250-241150
<b>XF</b>								
2020	2.0 L4	X	AJ20P	From Chassis/VIN LCY86341		250-25141		
2020	2.0 L4	X	AJ20P	To Chassis/VIN LCY86340		250-25141	250-241138	250-241152
2019-2018	2.0 L4	X	AJ20P			250-25141	250-241138	250-241152
2015-2013	2.0 L4					250-25049		250-241071
2020	3.0 V6	V		From Chassis/VIN LCY86341	Left	250-25108		
				From Chassis/VIN LCY86341	Right	250-25108		
2020	3.0 V6	V		To Chassis/VIN LCY86340	Left	250-25108	250-241138	250-241138
				To Chassis/VIN LCY86340	Left	250-25108	250-241139	250-241139
2020	3.0 V6	V		To Chassis/VIN LCY86340	Right	250-25108	250-241138	250-241138
				To Chassis/VIN LCY86340	Right	250-25108	250-241139	250-241139
2019-2018	3.0 V6	V			Left	250-25108	250-241139	250-241139
					Right	250-25108	250-241138	250-241138
2018-2016	3.0 V6	V		RWD	Left	250-25109	250-241140	250-241150
				RWD	Right	250-25109	250-241140	250-241150
2018	3.0 V6	V		AWD	Right	250-25108	250-241139	250-241139
2018	3.0 V6	V		AWD	Left	250-25108	250-241139	250-241139
				AWD	Right	250-25108	250-241138	250-241138
2017-2014	3.0 V6	F, V, X		AWD	Left	250-25108	250-241139	250-241139
				AWD	Right	250-25108	250-241138	250-241138
2015-2013	3.0 V6	F, X		RWD	Left	250-25109	250-241140	250-241138
				RWD	Right	250-25109	250-241140	250-241138
2013	3.0 V6			AWD	Left	250-25108	250-241139	250-241138
				AWD	Right	250-25108	250-241139	250-241138
2010-2009	4.2 V8				Left	250-54032		250-24730
					Right	250-54032		250-24730
2015-2013	5.0 V8	P			Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
2012	5.0 V8				Left	250-54042		250-24482
					Right	250-54042		250-24482
2011	5.0 V8			From Chassis/VIN R47154	Left	250-54042		250-24482
				From Chassis/VIN R47154	Right	250-54042		250-24482
2011	5.0 V8			To Chassis/VIN R47153	Left	250-54032		250-24730
				To Chassis/VIN R47153	Right	250-54032		250-24730
2010	5.0 V8				Left	250-54032		250-24730
					Right	250-54032		250-24730
<b>XFR</b>								
2015-2013	5.0 V8	H			Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
2012	5.0 V8				Left	250-54042		250-24482
					Right	250-54042		250-24482

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>JAGUAR (cont'd)</b>								
<b>XFR (cont'd)</b>								
2011	5.0 V8			From Chassis # R47154	Left	250-54042		250-24482
				From Chassis # R47154	Right	250-54042		250-24482
2011	5.0 V8			To Chassis # R47153	Left	250-54032		250-24730
				To Chassis # R47153	Right	250-54032		250-24730
2010	5.0 V8				Left	250-54032		250-24730
					Right	250-54032		250-24730
<b>XFR-S</b>								
2015-2013	5.0 V8	Z			Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
<b>XJ</b>								
2018-2013	3.0 V6	D, Z		AWD	Left	250-25108	250-241139	250-241139
				AWD	Right	250-25108	250-241138	250-241138
2018-2013	3.0 V6	D, Z		RWD	Left	250-25109	250-241140	250-241138
				RWD	Right	250-25109	250-241140	250-241138
2018-2013	5.0 V8	E, T			Left	250-25109	250-241140	250-241138
					Right	250-25109	250-241140	250-241138
2012-2011	5.0 V8				Left	250-54042		250-24482
					Right	250-54042		250-24482
<b>XJ6</b>								
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		
<b>XJ8</b>								
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
<b>XJ12</b>								
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		
<b>XJR</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>JAGUAR (cont'd)</b>								
<b>XJR (cont'd)</b>								
1998	4.0 V8				Left Right	250-24485 250-24485		250-22014 250-22014
2009-2006	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2005	4.2 V8			From Chassis #G49701 From Chassis #G49701	Left Right	250-54032 250-54032		250-24730 250-24730
2005	4.2 V8			To Chassis #G49700 To Chassis #G49700	Left Right	250-54018 250-54018		250-24439 250-24439
2004	4.2 V8				Left Right	250-54018 250-54018		250-24439 250-24439
2017-2014	5.0 V8	K			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
<b>XJR575</b>								
2018	5.0 V8	T			Left Right	250-25109 250-25109	250-241140 250-241140	250-241138 250-241138
<b>XJRS</b>								
1993	6.0 V12	3				250-23019		
<b>XJS</b>								
1996-1995	4.0 L6				Cyl 1-3 Cyl 4-6	250-24817 250-24817		250-24817 250-24817
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		
<b>XK</b>								
2009-2007	4.2 V8				Left Right	250-54032 250-54032		250-24730 250-24730
2015-2010	5.0 V8	B			Left Right	250-54042 250-54042		250-24482 250-24482
<b>XK8</b>								
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
<b>XKR</b>								
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	C			Left Right	250-54042 250-54042		250-24482 250-24482
<b>XKR-S</b>								
2015-2012	5.0 V8	A			Left Right	250-54042 250-54042		250-24482 250-24482
<b>X-Type</b>								
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
<b>JEEP</b>								
<b>Cherokee</b>								
2020-2019	2.0 L4	N				250-25140		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>JEEP (cont'd)</b>								
<b>Cherokee (cont'd)</b>								
2019-2014	2.4 L4	B	ED6, ED8, EDE			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		
2020-2014	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		
<b>CJ5</b>								
1983	2.5 L4	B				250-21004		
1982-1980	2.5 L4					250-22001		
1983-1981	4.2 L6	C				250-21004		
<b>CJ7</b>								
1986-1983	2.5 L4					250-21004		
1982-1980	2.5 L4					250-22001		
1986-1981	4.2 L6					250-21004		
<b>Comanche</b>								
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		
<b>Commander</b>								
2010-2007	3.7 V6				Left Right	250-24253 250-24253		250-24253 250-24253
2006	3.7 V6				Left Right	250-24680 250-24680		250-24253 250-24253
2009-2008	4.7 V8	N, P			Left Right	250-24253 250-24253		250-24253 250-24253
2007-2006	4.7 V8	N, P			Left Right	250-241117 250-241117		250-241117 250-241117
2010-2007	5.7 V8				Left Right	250-24253 250-24253		250-24253 250-24253
2006	5.7 V8				Left Right	250-24680 250-24680		250-24253 250-24253
<b>Compass</b>								
2017-2011	2.0 L4	A	ECN			250-24253		250-24253
2010-2007	2.0 L4					250-24675		250-24675
2020-2018	2.4 L4	B	ED6, EDD, EDE			250-25128		250-24680
2017-2011	2.4 L4	B	ED3			250-24253		250-24253
2010-2007	2.4 L4					250-24675		250-24675
<b>Grand Cherokee</b>								
2018-2014	3.0 V6	M	EXF	Diesel		250-25108		
2009-2007	3.0 V6	M		Diesel				250-25042
2020-2018	3.6 V6	G	ERC		Left Right	250-24680 250-24680		250-24253 250-24680
2017-2014	3.6 V6	G	ERB, ERC		Left Right	250-24253 250-24680		250-24253 250-24680
2013	3.6 V6	G	ERB		Left Right	250-24253 250-24680		250-24680 250-24680
2012-2011	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
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	4.0 L6				Cyl 1-3 Cyl 4-6	250-24460 250-24253		250-24259 250-24259
2003-2001	4.0 L6				Cyl 1-3 Cyl 4-6	250-24259 250-24345		250-24259 250-24259
2000	4.0 L6					250-24943		250-24943

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>JEEP (cont'd)</b>								
<b>Grand Cherokee (cont'd)</b>								
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				Right	250-24942		
1998-1996	5.2 V8				Left	250-24942		•250-24942
1995-1993	5.2 V8					250-24002		
2020-2012	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
2006-2005	5.7 V8				Left	250-24680		250-24253
					Right	250-24680		250-24253
1998	5.9 V8				Right	250-24942		
1998	5.9 V8				Left	250-24942		•250-24942
2010-2007	6.1 V8				Left	250-24253		250-24253
					Right	250-24253		250-24253
2006	6.1 V8				Left	250-24680		250-24253
					Right	250-24680		250-24253
2020-2018	6.2 V8	9	ESD		Left	250-25145		250-24680
					Right	250-25145		250-24253
2020-2014	6.4 V8	J	ESG		Left	250-24253		250-24680
					Right	250-24253		250-24253
2013-2012	6.4 V8	J	ESG		Left	250-24253		250-24253
					Right	250-24253		250-24253
<b>Grand Wagoneer</b>								
1986-1984	4.2 L6	C				250-21004		
1993	5.2 V8	Y				250-24002		
<b>J10</b>								
1987	4.2 L6	C				250-21001		
1986-1981	4.2 L6	C				250-21004		
<b>Liberty</b>								
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	250-24253		250-24253
					Right	250-24253		250-24253
2006-2005	3.7 V6	K			Left	250-24680		250-24253
					Right	250-24680		250-24253
2004	3.7 V6	K			Left	250-24253		250-24345
					Right	250-24253		250-24345
2003-2002	3.7 V6	K			Left	250-24345		250-24345
					Right	250-24345		250-24259
<b>Patriot</b>								
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
<b>Renegade</b>								
2018-2015	1.4 L4	H	EAM			250-25058		250-241003
2020-2015	2.4 L4	B, T	ED6, ED8			250-25128		250-24680
<b>Scrambler</b>								
1985-1983	2.5 L4					250-21004		
1982-1981	2.5 L4					250-22001		
1985-1981	4.2 L6					250-21004		
<b>Wagoneer</b>								
1987	2.5 L4					250-23500		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>JEEP (cont'd)</b>								
<b>Wagoneer (cont'd)</b>								
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		
<b>Wrangler</b>								
2020-2018	2.0 L4	N	EC3			250-25140		
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		
2017-2012	3.6 V6	G	ERB			250-24680		250-24253
					Left	250-24253		250-24680
2011	3.8 V6	1			Right	250-24253		250-24460
					Left	250-24460		250-24253
2010	3.8 V6				Right	250-24675		250-24460
					Left	250-24675		250-24253
2009-2007	3.8 V6				Right	250-24675		250-24253
					Left	250-24675		250-24253
2006-2005	4.0 L6				Right	250-24675		250-24253
					Left	250-24675		250-24253
2004	4.0 L6				Cyl 1-3	250-24460		250-24253
					Cyl 4-6	250-24680		250-24460
2003-2001	4.0 L6				Cyl 1-3	250-24460		250-24345
					Cyl 4-6	250-24253		250-24259
2000	4.0 L6				Cyl 1-3	250-24259		250-24345
					Cyl 4-6	250-24345		250-24259
2000	4.0 L6			Calif-ESV	Cyl 1-3	250-24943		250-24942
				Calif-ESV	Cyl 4-6	250-24942		250-24942
2000	4.0 L6			Non Calif-ESV	Cyl 1-3	250-24942		250-24942
				Non Calif-ESV	Cyl 4-6	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		
<b>Wrangler JK</b>								
2018	3.6 V6	G	ERB			250-24680		250-24253
					Left	250-24253		250-24680
					Right			
<b>KIA</b>								
<b>Amanti</b>								
2006-2004	3.5 V6				Front	250-24462		250-24658
					Rear	250-24462		250-24422
2009-2007	3.8 V6	5			Front	250-24690		250-24690
					Rear	250-24690		250-24707
<b>Borrego</b>								
2009	3.8 V6	1			Left	250-24690		250-24690
					Right	250-24739		250-24690
2009	4.6 V8	2			Left	250-24849		250-24849
					Right	250-24849		250-24849
<b>Cadenza</b>								
2020-2017	3.3 V6	1			Front	250-25034		
					Rear	250-25049		
2016-2014	3.3 V6	7			Front	250-24908		250-24909
					Rear	250-241034		250-241046
<b>Forte</b>								
2020	1.6 L4	C				250-25062		
2016-2014	1.8 L4	6				250-25034		250-24988
2020-2019	2.0 L4	D				250-25034		250-24988
2018-2017	2.0 L4	7, 8		Calif ESV		250-25034		250-24977
2018-2017	2.0 L4	7		Calif ESV; A/T		250-25034		250-24977
2018-2017	2.0 L4	7		Calif ESV; M/T		250-25049		250-24977
2018-2014	2.0 L4	7, 8		Non-Calif ESV		250-25049		250-24987
2016-2014	2.0 L4	8		Calif ESV		250-25034		250-24988
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





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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>KIA (cont'd)</b>								
<b>Forte (cont'd)</b>								
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 Only		250-25062		250-24878
2013	2.4 L4	3		Non Calif-ESV		250-25017		250-24864
2012-2010	2.4 L4	3		Calif-ESV; A/T		250-25062		250-24878
2012-2010	2.4 L4	3		M/T		250-25017		250-24864
2012-2010	2.4 L4	3		Non Calif-ESV; A/T		250-25017		250-24864
<b>Forte5</b>								
2016-2015	1.6 L4	3				250-25034		250-24982
2016-2015	2.0 L4	8		Calif ESV		250-25034		250-24988
2016-2015	2.0 L4	8		Non-Calif ESV		250-25049		250-24987
2016	2.0 L4	8		Calif ESV; A/T		250-25034		250-24988
2016	2.0 L4	8		M/T		250-25049		250-24987
2016	2.0 L4	8		Non-Calif ESV; A/T		250-25049		250-24987
<b>Forte Koup</b>								
2016-2014	1.6 L4	3				250-25034		250-24982
2016-2014	2.0 L4	8		Calif ESV; A/T		250-25034		250-24988
2016-2014	2.0 L4	8		M/T		250-25049		250-24987
2016-2014	2.0 L4	8		Non-Calif ESV; A/T		250-25049		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
2013-2010	2.4 L4	3		Calif-ESV; A/T		250-25062		250-24878
2013-2010	2.4 L4	3		M/T		250-25017		250-24864
2013-2010	2.4 L4	3		Non Calif-ESV; A/T		250-25017		250-24864
<b>Niro</b>								
2017	1.6 L4					250-25017		250-24982
<b>Optima</b>								
2020-2019	1.6 L4	1				250-25062		250-24982
2018-2016	1.6 L4	1				250-25034		250-24982
2020-2018	2.0 L4	C, D, E				250-25034		250-24988
2020	2.0 L4	2				250-25062		
2019	2.0 L4	2				250-25062		250-241276
2018	2.0 L4	2		Turbocharged		250-25062		250-241276
2017-2016	2.0 L4	2				250-25062		250-241276
2017	2.0 L4					250-25062		
2017	2.0 L4	C, D		Hybrid		250-25034		250-24988
2015-2011	2.0 L4	6				250-25062		250-24913
2020-2014	2.4 L4	3, 7				250-25062		250-24878
2016-2011	2.4 L4	D		Hybrid		250-25062		250-24878
2013-2011	2.4 L4	7		Calif-ESV; A/T		250-25062		250-24878
2013-2011	2.4 L4	7		M/T		250-25017		250-24913
2013-2011	2.4 L4	7		Non Calif-ESV; A/T		250-25017		250-24913
2010-2009	2.4 L4	8				250-25017		250-24864
2008-2006	2.4 L4	3				250-24688		250-24687
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
<b>Rio</b>								
2002-2001	1.5 L4					250-24384		250-24384
2017	1.6 L4					250-25017		250-24982
2016	1.6 L4					250-25035		250-24982
2014-2012	1.6 L4	3				250-25035		250-24982

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>KIA (cont'd)</b>								
<b>Rio (cont'd)</b>								
2011-2006	1.6 L4					250-24349		250-24349
2005-2003	1.6 L4					250-24384		250-24384
<b>Rio5</b>								
2011-2006	1.6 L4					250-24349		250-24349
<b>Rondo</b>								
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 Rear	250-24461 250-24461		250-24462 250-24462
<b>Sedona</b>								
2014	3.5 V6	7			Front Rear	250-24908 250-241034		250-24909 250-241046
2012-2011	3.5 V6	7			Front Rear	250-24908 250-24908		250-24909 250-24688
2005-2002	3.5 V6				Front Rear	250-24462 250-24462		250-24383 250-24383
2010-2007	3.8 V6	3			Front Rear	250-24690 250-24690		250-24690 250-24707
2006	3.8 V6				Front Rear	250-24707 250-24690		250-24690 250-24707
<b>Sephia</b>								
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	5				250-24245		250-24292
1995	1.8 L4	5				250-24245		
<b>Sorento</b>								
2017	2.4 L4					250-25062		
2014-2011	2.4 L4	1, 6				250-25062		250-24878
2017	3.3 V6			AWD	Front	250-24908		250-24909
				AWD	Rear	250-24908		250-24688
2017	3.3 V6			FWD	Front	250-24908		250-24909
				FWD	Rear	250-241034		250-24688
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 Rear	250-24690 250-24739		250-24707 250-24740
2013-2011	3.5 V6	2			Front Rear	250-24908 250-24908		250-24909 250-24688
2006-2003	3.5 V6				Front Rear	250-24462 250-24462		250-24658 250-24658
2009-2007	3.8 V6				Front Rear	250-24690 250-24739		250-24707 250-24740
<b>Soul</b>								
2017	1.6 L4	2				250-25017		250-24982
2016	1.6 L4	2				250-25035		250-24982
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
<b>Spectra</b>								
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
<b>Spectra5</b>								
2009-2005	2.0 L4					250-25012		250-24349
<b>Sportage</b>								
2017-2016	2.0 L4					250-25062		250-24864



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>KIA (cont'd)</b>								
<b>Sportage (cont'd)</b>								
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		
2017	2.4 L4					250-25062		
2014	2.4 L4	C				250-25062		250-24878
2013-2011	2.4 L4	2		Calif-ESV; A/T		250-25062		250-24878
2013-2011	2.4 L4	2		M/T		250-25065		250-24864
2013-2011	2.4 L4	2		Non Calif-ESV; A/T		250-25065		250-24864
2010-2005	2.7 V6				Front Rear	250-24461		250-24783 250-24461
<b>LAND ROVER</b>								
<b>Defender 90</b>								
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
<b>Defender 110</b>								
1993	3.9 V8	2			Left Right	250-23802 250-23802		
<b>Discovery</b>								
2020-2019	3.0 V6	V		Exc.SULEV Spec Exc.SULEV Spec	Left Right	250-25107 250-25107	250-241140	
2020-2019	3.0 V6	V		SULEV Spec SULEV Spec	Left Right	250-25107 250-25107	250-241230	
2018	3.0 V6	V		Exc.SULEV Spec Exc.SULEV Spec	Left Right	250-25107 250-25107	250-241141 250-241140	
2018	3.0 V6	V		SULEV Spec SULEV Spec	Left Right	250-25107 250-25107	250-241150 250-241230	
2017	3.0 V6	V			Left Right	250-25107 250-25107	250-241141 250-241140	250-241138 250-241138
2017	3.0 V6	V		SULEV Spec SULEV Spec	Left Right	250-25107 250-25107	250-241150 250-241230	250-241138 250-241138
1995-1994	3.9 V8				Left Right	250-23802 250-23802		
2002-2000	4.0 V8				Left Right	250-24496 250-24496		250-24498 250-24498
1999	4.0 V8			SD Series, w/Adv. Evap. Loss System SD Series, w/Adv. Evap. Loss System	Left Right	250-24512 250-24512		250-24512 250-24512
1999	4.0 V8			SD Series, w/o Adv. Evap. Loss System SD Series, w/o Adv. Evap. Loss System	Left Right	250-24804 250-24804		250-24804 250-24804
1999	4.0 V8			Series II Series II	Left Right	250-24496 250-24496		250-24498 250-24498
1998-1996	4.0 V8			w/Adv. Evap. Loss System w/Adv. Evap. Loss System	Left Right	250-24512 250-24512		250-24512 250-24512
1998-1996	4.0 V8			w/o Adv. Evap. Loss System w/o Adv. Evap. Loss System	Left Right	250-24804 250-24804		250-24804 250-24804
2004-2003	4.6 V8				Left Right	250-24496 250-24496		250-24498 250-24498
<b>Discovery Sport</b>								
2019-2018	2.0 L4	X	AJ20P			250-25141	250-241139	250-241231
2017-2015	2.0 L4	G				250-25109	250-241150	250-241152
2016	2.0 L4					250-25107	250-241150	250-241152
<b>Freelander</b>								
2001-1999	1.8 L4					250-24538		
2005	2.5 V6				Left Right	250-24683 250-24683		250-24498 250-24498
2004-2002	2.5 V6				Left Right	250-24496 250-24496		250-24498 250-24498
<b>LR2</b>								
2015-2013	2.0 L4	G				250-25034		250-241055
2012-2008	3.2 L6	N			Left Right	250-54043 250-54043		250-24455 250-24455
<b>LR3</b>								
2007	4.0 V6	4			Left Right	250-54062 250-54062		250-24714 250-24714

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LAND ROVER (cont'd)</b>								
<b>LR3 (cont'd)</b>								
2006-2005	4.0 V6	4			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
2006-2005	4.4 V8	5			Left Right	250-54062 250-54062		250-24455 250-24455
<b>LR4</b>								
2016-2014	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
<b>Range Rover</b>								
2016-2015	3.0 V6	P, V		SULEV Spec SULEV Spec	Left Right	250-25107 250-25107	250-241150 250-241230	250-241138 250-241138
2016-2014	3.0 V6	P, 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	3.9 V8				Left Right	250-24804 250-24804		
1994-1989	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	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	4.2 V8				Left Right	250-24804 250-24804		
1994-1993	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
2016-2015	5.0 V8	E			Left Right	250-25107 250-25107	250-241141 250-241140	250-241138 250-241138
2016-2015	5.0 V8	E		SULEV Spec SULEV Spec	Left Right	250-25107 250-25107	250-241150 250-241230	250-241138 250-241138
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
<b>Range Rover Evoque</b>								
2020	2.0 L4	L, X	AJ20P			250-25141	250-241139	250-241275
2019-2018	2.0 L4	X	AJ20P			250-25141	250-241139	250-241231
2017-2015	2.0 L4					250-25107	250-241150	250-241152
2017-2014	2.0 L4	G, H				250-25109	250-241150	250-241152
2013-2012	2.0 L4	G				250-25034		250-241055

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LAND ROVER (cont'd)</b>								
<b>Range Rover Sport</b>								
2020-2019	2.0 L4	Y	AJ20P			250-25141	250-241274	
2015-2014	3.0 V6	V			Left	250-25107	250-241141	250-241138
					Right	250-25107	250-241140	250-241138
2015	3.0 V6	V		SULEV Spec	Left	250-25107	250-241150	250-241138
				SULEV Spec	Right	250-25107	250-241230	250-241138
2009-2007	4.2 V8	3			Left	250-54062		250-24714
					Right	250-54062		250-24714
2006	4.2 V8	3			Left	250-54062		250-24455
					Right	250-54062		250-24455
2009-2007	4.4 V8	5			Left	250-54062		250-24714
					Right	250-54062		250-24714
2006	4.4 V8	5			Left	250-54062		250-24455
					Right	250-54062		250-24455
2016-2015	5.0 V8	E			Left	250-25107	250-241150	250-241138
					Right	250-25107	250-241230	250-241138
2014	5.0 V8	E			Left	250-25107	250-241141	250-241138
					Right	250-25107	250-241140	250-241138
2013-2010	5.0 V8	D, E			Left	250-54072		250-24455
					Right	250-54072		250-24509
<b>Range Rover Velar</b>								
2019-2018	2.0 L4	X	AJ20P			250-25141	250-241138	250-241152
2019-2018	3.0 V6	V			Left	250-25108	250-241139	250-241139
					Right	250-25108	250-241138	250-241138
<b>LEXUS</b>								
<b>CT200h</b>								
2017-2011	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-24870
<b>ES250</b>								
2021	2.5 L4	-	A25A-FKS			250-54125		
1991-1990	2.5 V6	V	2VZ-FE	2 Wire Sensor		250-22069		
1991-1990	2.5 V6	V	2VZ-FE	4 Wire Sensor		250-24051		
<b>ES300</b>								
2003-2002	3.0 V6		1MZ-FE		Front	250-54114		250-24225
					Rear	250-54059		250-24360
2001-2000	3.0 V6		1MZ-FE		Rear	250-54003		
2001-2000	3.0 V6		1MZ-FE					•250-24839
					Front	250-54057		
1999	3.0 V6		1MZ-FE		Rear	250-54054		
1999	3.0 V6		1MZ-FE					•250-24839
					Front	250-54054		
1998-1997	3.0 V6		1MZ-FE	Calif-ESV	Front	250-54054		•250-24839
				Calif-ESV	Rear	250-54054		
1998-1997	3.0 V6		1MZ-FE	Non Calif-ESV	Front	250-24360		•250-24839
				Non Calif-ESV	Rear	250-24360		
1996-1994	3.0 V6		1MZ-FE		Front	250-24360		•250-24298
					Rear	250-24360		
1993-1992	3.0 V6		3VZ-FE	Calif-ESV	Rear	250-21053		
1993-1992	3.0 V6		3VZ-FE	Calif-ESV				•250-24298
				Calif-ESV	Front	250-21053		
1993-1992	3.0 V6		3VZ-FE	Non Calif-ESV	Front	250-21053		
				Non Calif-ESV	Rear	250-21053		
<b>ES300h</b>								
2021-2019	2.5 L4	-	A25A-FXS	Hybrid		250-54125		
2018-2013	2.5 L4		2AR-FXE	Hybrid		250-54084		250-24360
<b>ES330</b>								
2006-2004	3.3 V6		3MZ-FE		Front	250-54059		250-24225
					Rear	250-54059		250-24360
<b>ES350</b>								
2021-2019	3.5 V6		2GR-FKS	Japan Built Vehicle	Left			250-24924
				Japan Built Vehicle	Right	250-54059		250-24906
2021-2019	3.5 V6		2GR-FKS	USA Built Vehicle	Left	250-54050		250-24924
				USA Built Vehicle	Right	250-54059		250-24906
2018-2015	3.5 V6		2GRFE		Left	250-54007		250-24360
					Right	250-54084		250-24225
2014	3.5 V6			To 08/2014	Front	250-54066		250-24360
				To 08/2014	Rear	250-54084		250-24225
2013	3.5 V6		2GRFE		Front	250-54066		250-24360
					Rear	250-54084		250-24225

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LEXUS (cont'd)</b>								
<b>ES350 (cont'd)</b>								
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
<b>GS200t</b>								
2017-2016	2.0 L4		8AR-FTS			250-54115		250-24225
<b>GS300</b>								
2019-2018	2.0 L4		8AR-FTS			250-54115		250-24225
2005-2000	3.0 L6		2JZ-GE		Cyl 1-3 Cyl 4-6	250-24137 250-24225		250-24305 250-24839
1999-1998	3.0 L6		2JZ-GE		Cyl 1-3 Cyl 4-6	250-24137 250-24225		250-241116 250-24839
1997-1995	3.0 L6		2JZ-GE		Cyl 1-3 Cyl 4-6	250-24360 250-24360		•250-24298
1994-1993	3.0 L6		2JZ-GE	Calif-ESV	Cyl 4-6	250-24360		
1994-1993	3.0 L6		2JZ-GE	Calif-ESV Calif-ESV				•250-24298
1994-1993	3.0 L6		2JZ-GE	Non Calif-ESV		250-21054		250-21065
2006	3.0 V6		3GR-FSE	AWD	Left	250-54050		250-24685
				AWD	Right	250-54050		250-24684
2006	3.0 V6		3GR-FSE	RWD	Left	250-54050		250-24684
				RWD	Right	250-54050		250-24684
<b>GS350</b>								
2020-2016	3.5 V6		2GR-FKS	AWD	Left	250-54050		250-241200
				AWD	Right	250-54066		250-24684
2020-2016	3.5 V6		2GR-FKS	RWD	Left	250-54050		250-24684
				RWD	Right	250-54066		250-24684
2015	3.5 V6		2GR-FSE	AWD	Left	250-54066		250-24244
				AWD	Right	250-54066		250-24623
2015	3.5 V6		2GR-FSE	RWD	Left	250-54066		250-24623
				RWD	Right	250-54066		250-24623
2014	3.5 V6		2GR-FSE	AWD, From 08/2013	Left	250-54066		250-24244
				AWD, From 08/2013	Right	250-54066		250-24623
2014	3.5 V6		2GR-FSE	AWD, To 08/2013	Left	250-54066		250-24244
				AWD, To 08/2013	Right	250-54066		250-24213
2014	3.5 V6		2GR-FSE	RWD, From 08/2013	Left	250-54066		250-24623
				RWD, From 08/2013	Right	250-54066		250-24623
2014	3.5 V6		2GR-FSE	RWD, To 08/2013	Left	250-54085		250-24213
				RWD, To 08/2013	Right	250-54066		250-24213
2013	3.5 V6		2GR-FSE	AWD	Left	250-54066		250-24244
				AWD	Right	250-54066		250-24213
2013	3.5 V6		2GR-FSE	RWD	Left	250-54085		250-24213
				RWD	Right	250-54066		250-24213
2011	3.5 V6		2GR-FSE		Left	250-54050		250-24244
					Right	250-54050		250-24213
2010-2007	3.5 V6		2GR-FSE	AWD	Left	250-54050		250-24244
				AWD	Right	250-54050		250-24213
2010-2007	3.5 V6		2GR-FSE	RWD	Left	250-54050		250-24213
				RWD	Right	250-54050		250-24213
<b>GS400</b>								
2000-1998	4.0 V8		1UZ-FE		Left Right	250-24169 250-24169		250-24623 250-24623
<b>GS430</b>								
2007	4.3 V8		3UZ-FE		Left Right	250-24169 250-241116		250-24213 250-24213
2006-2001	4.3 V8		3UZ-FE		Left Right	250-24169 250-241116		250-24623 250-24623
<b>GS450h</b>								
2018	3.5 V6		2GR-FXE	Hybrid	Left	250-54050		250-24420
				Hybrid	Right	250-54066		250-24623
2017-2016	3.5 V6		2GR-FXE	Hybrid	Left	250-54050		250-24420
				Hybrid	Right	250-54066		250-24213
2015	3.5 V6		2GR-FXE	Hybrid: From 09/2014	Left	250-54050		250-24420
				Hybrid: From 09/2014	Right	250-54066		250-24623
2015	3.5 V6		2GR-FXE	Hybrid: To 09/2014	Left	250-54066		250-24420
				Hybrid: To 09/2014	Right	250-54066		250-24623
2014	3.5 V6		2GR-FXE	Hybrid, From 09/2013	Left	250-54066		250-24420
				Hybrid, From 09/2013	Right	250-54066		250-24623
2014	3.5 V6		2GR-FXE	Hybrid, To 09/2013	Left	250-54066		250-24420
				Hybrid, To 09/2013	Right	250-54066		250-24213

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LEXUS (cont'd)</b>								
<b>GS450h (cont'd)</b>								
2013	3.5 V6		2GR-FXE	Hybrid	Left	250-54066		250-24420
				Hybrid	Right	250-54066		250-24213
2011-2007	3.5 V6		2GR-FSE	Hybrid	Left	250-54050		250-24213
				Hybrid	Right	250-54050		250-24213
<b>GS460</b>								
2011-2008	4.6 V8		1UR-FSE		Left	250-54050		250-24298
					Right	250-54050		250-24298
<b>GS F</b>								
2020-2016	5.0 V8		2UR-GSE		Left	250-54050		250-24623
					Right	250-54050		250-24623
<b>GX460</b>								
2021-2015	4.6 V8		1UR-FE		Left	250-54085		250-24344
					Right	250-54085		250-24169
2014	4.6 V8		1UR-FE	From 08/2013	Left	250-54085		250-24344
				From 08/2013	Right	250-54085		250-24169
2014	4.6 V8		1UR-FE	To 08/2013	Left	250-54050		250-24360
				To 08/2013	Right	250-54050		250-24169
2013-2010	4.6 V8		1UR-FE		Left	250-54050		250-24360
					Right	250-54050		250-24169
<b>GX470</b>								
2009-2005	4.7 V8		2UZ-FE		Left	250-54050		250-24360
					Right	250-54050		250-24360
2004-2003	4.7 V8		2UZ-FE		Left	250-24169		250-24360
					Right	250-24169		250-24360
<b>HS250h</b>								
2012-2010	2.4 L4		2AZ-FXE	Hybrid		250-54050		250-24420
<b>IS200t</b>								
2017-2016	2.0 L4		8AR-FTS			250-54115		250-24225
<b>IS250</b>								
2015	2.5 V6		4GR-FSE		Left	250-54066		250-24623
					Right	250-54066		250-24623
2015	2.5 V6		4GR-FSE	AWD	Left	250-54066		250-24244
				AWD	Right	250-54066		250-24623
2015	2.5 V6		4GR-FSE	RWD	Left	250-54066		250-24623
				RWD	Right	250-54066		250-24623
2014	2.5 V6		4GR-FSE	AWD, From 08/2013	Left	250-54066		250-24623
				AWD, From 08/2013	Right	250-54066		250-24623
2014	2.5 V6		4GR-FSE	AWD, To 08/2013	Left	250-54066		250-24623
				AWD, To 08/2013	Right	250-54066		250-24623
2014	2.5 V6		4GR-FSE	RWD, From 08/2013	Left	250-54066		250-24213
				RWD, From 08/2013	Right	250-54066		250-24213
2014	2.5 V6		4GR-FSE	RWD, To 08/2013	Left	250-54066		250-24244
				RWD, To 08/2013	Right	250-54066		250-24244
2013	2.5 V6		4GR-FSE	AWD	Left	250-54085		250-24187
				AWD	Right	250-54066		250-24213
2013	2.5 V6		4GR-FSE	RWD	Left	250-54085		250-24213
				RWD	Right	250-54066		250-24213
2012-2006	2.5 V6		4GR-FSE	AWD	Left	250-54050		250-24187
				AWD	Right	250-54050		250-24213
2012-2006	2.5 V6		4GR-FSE	RWD	Left	250-54050		250-24213
				RWD	Right	250-54050		250-24213
<b>IS300</b>								
2021-2018	2.0 L4		8AR-FTS			250-54115		250-24225
2005-2001	3.0 L6		2JZ-GE		Cyl 1-3	250-24106		250-24226
					Cyl 4-6	250-241116		250-24840
2021-2019	3.5 V6		2GR-FKS		Left	250-54050		250-241200
					Right	250-54066		250-24684
2018	3.5 V6		2GR-FKS	Base Model; From 10/2017	Left	250-54050		250-24685
				Base Model; From 10/2017	Right	250-54066		250-24684
2018	3.5 V6		2GR-FKS	F Sport; From 10/2017	Left	250-54050		250-241200
				F Sport; From 10/2017	Right	250-54066		250-24684
2018	3.5 V6		2GR-FKS	To 10/2017	Left	250-54066		250-24244
				To 10/2017	Right	250-54066		250-24623
2017-2016	3.5 V6		2GR-FSE		Left	250-54066		250-24244
					Right	250-54066		250-24623
<b>IS350</b>								
2017-2015	3.5 V6		2GR-FSE	RWD	Left	250-54066		250-24623
				RWD	Right	250-54066		250-24623

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LEXUS (cont'd)</b>								
<b>IS350 (cont'd)</b>								
2017-2014	3.5 V6		2GR-FSE	AWD AWD	Left Right	250-54066 250-54066		250-24244 250-24623
2015	3.5 V6		2GR-FSE		Left Right	250-54066 250-54066		250-24623 250-24623
2014	3.5 V6		2GR-FSE	RWD RWD	Left Right	250-54066 250-54066		250-24244 250-24623
2013	3.5 V6		2GR-FSE	AWD AWD	Left Right	250-54066 250-54066		250-24187 250-24213
2013	3.5 V6		2GR-FSE	RWD RWD	Left Right	250-54066 250-54066		250-24213 250-24213
2012-2006	3.5 V6		2GR-FSE		Left Right	250-54050 250-54050		250-24213 250-24213
<b>IS F</b>								
2014-2013	5.0 V8		2UR-GSE		Left Right	250-54050 250-54050		250-24213 250-24213
2012-2008	5.0 V8		2UR-GSE		Left Right	250-54006 250-54006		250-24213 250-24213
<b>LC500</b>								
2021-2018	5.0 V8		2UR-GSE		Left Right	250-54050 250-54066		250-241257 250-241257
<b>LC500h</b>								
2021-2018	3.5 V6		8GR-FXS	Hybrid Hybrid	Left Right	250-54066 250-54129		
<b>LS400</b>								
2000-1995	4.0 V8		1UZ-FE		Left Right	250-24169 250-24169		250-24839 250-24839
1994-1993	4.0 V8		1UZ-FE			250-24220		250-22011
1992-1990	4.0 V8		1UZ-FE			250-24220		250-22009
<b>LS430</b>								
2006-2001	4.3 V8		3UZ-FE		Left Right	250-24169 250-241116		250-24483 250-24483
<b>LS460</b>								
2017-2015	4.6 V8		1UR-FSE	RWD RWD	Left Right	250-54066 250-54066		250-24623 250-24623
2017-2009	4.6 V8		1UR-FSE	AWD AWD	Left Right	250-54050 250-54050		250-24420 250-24623
2014	4.6 V8		1UR-FSE	RWD, From 09/2013 RWD, From 09/2013	Left Right	250-54066 250-54066		250-24623 250-24623
2014	4.6 V8		1UR-FSE	RWD, To 09/2013 RWD, To 09/2013	Left Right	250-54006 250-54050		250-24623 250-24623
2013-2007	4.6 V8		1UR-FSE	RWD RWD	Left Right	250-54006 250-54050		250-24623 250-24623
<b>LS500</b>								
2021-2018	3.5 V6		V35A-FTS		Left Right	250-54066 250-54066		
<b>LS500h</b>								
2021-2018	3.5 V6		8GR-FXS	Hybrid Hybrid	Left Right	250-54066 250-54129		
<b>LS600h</b>								
2016	5.0 V8		2UR-FSE	Hybrid Hybrid	Left Right	250-54066 250-54066		250-24924 250-241223
2015-2008	5.0 V8		2UR-FSE	Hybrid Hybrid	Left Right	250-54050 250-54050		250-24169 250-24623
<b>LX450</b>								
1997-1996	4.5 L6	J	1FZ-FE			250-24157		250-24153
<b>LX470</b>								
2007-2006	4.7 V8		2UZ-FE		Left Right	250-54050 250-54050		250-24360 250-24360
2005	4.7 V8		2UZ-FE	From 05/01/05 From 05/01/05	Left Right	250-54050 250-54050		250-24360 250-24360
2005	4.7 V8		2UZ-FE	To 05/01/2005 To 05/01/2005	Left Right	250-24169 250-24169		250-24154 250-24154
2004-1998	4.7 V8		2UZ-FE		Left Right	250-24169 250-24169		250-24154 250-24154
<b>LX570</b>								
2021	5.7 V8		3UR-FE		Left Right	250-54066 250-54066		



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LEXUS (cont'd)</b>								
<b>LX570 (cont'd)</b>								
2020	5.7 V8		3UR-FE	From 08/2019 From 08/2019	Left Right	250-54066 250-54066		
2020	5.7 V8		3UR-FE	To 08/2019 To 08/2019	Left Right	250-54066 250-54066		250-24344 250-24169
2019-2017	5.7 V8		3UR-FE		Left Right	250-54066 250-54066		250-24344 250-24169
2016	5.7 V8		3UR-FE	From 09/2015 From 09/2015	Left Right	250-54066 250-54066		250-24344 250-24169
2016	5.7 V8		3UR-FE	To 09/2015 To 09/2015	Left Right	250-54085 250-54085		250-24344 250-24169
2015	5.7 V8		3UR-FE		Left Right	250-54085 250-54085		250-24344 250-24169
2014	5.7 V8		3UR-FE	From 08/2013 From 08/2013	Left Right	250-54085 250-54085		250-24344 250-24169
2014	5.7 V8		3UR-FE	To 08/2013 To 08/2013	Left Right	250-54085 250-54085		250-24360 250-24169
2013	5.7 V8		3UR-FE		Left Right	250-54085 250-54085		250-24360 250-24169
2011-2008	5.7 V8		3UR-FE		Left Right	250-54050 250-54050		250-24360 250-24169
<b>NX200t</b>								
2017-2015	2.0 L4		8AR-FTS			250-54066		250-24360
<b>NX300</b>								
2021-2018	2.0 L4		8AR-FTS			250-54066		250-24360
<b>NX300h</b>								
2021-2015	2.5 L4		2AR-FXE	Hybrid		250-54059		250-24360
<b>RC200t</b>								
2016	2.0 L4		8AR-FTS			250-54115		250-24225
<b>RC300</b>								
2021-2018	2.0 L4		8AR-FTS			250-54115		250-24225
2021-2019	3.5 V6		2GR-FKS	RWD RWD	Left Right	250-54050 250-54066		250-24684 250-24684
2021	3.5 V6		2GR-FKS	AWD AWD	Left Right	250-54050 250-54066		250-241200 250-24684
2020-2019	3.5 V6		2GR-FKS	Base AWD Base AWD	Left Right	250-54050 250-54066		250-24685 250-24684
2020-2019	3.5 V6		2GR-FKS	F Sport AWD F Sport AWD	Left Right	250-54050 250-54066		250-241200 250-24684
2018	3.5 V6		2GR-FKS	From 11/2017 Base From 11/2017 Base	Left Right	250-54050 250-54066		250-24685 250-24684
2018	3.5 V6		2GR-FKS	From 11/2017 F Sport From 11/2017 F Sport	Left Right	250-54050 250-54066		250-241200 250-24684
2018	3.5 V6		2GR-FKS	To 11/2017 To 11/2017	Left Right	250-54066 250-54066		250-24244 250-24623
2017-2016	3.5 V6		2GR-FSE		Left Right	250-54066 250-54066		250-24244 250-24623
<b>RC350</b>								
2021-2019	3.5 V6		2GR-FKS	RWD RWD	Left Right	250-54050 250-54066		250-24684 250-24684
2021	3.5 V6		2GR-FKS	AWD AWD	Left Right	250-54050 250-54066		250-241200 250-24684
2020-2019	3.5 V6		2GR-FKS	Base AWD Base AWD	Left Right	250-54050 250-54066		250-24685 250-24684
2020-2019	3.5 V6		2GR-FKS	F Sport AWD F Sport AWD	Left Right	250-54050 250-54066		250-241200 250-24684
2018	3.5 V6		2GR-FKS	AWD; To 11/2017 AWD; To 11/2017	Left Right	250-54066 250-54066		250-24244 250-24623
2018	3.5 V6		2GR-FKS	Base AWD; From 11/2017 Base AWD; From 11/2017	Left Right	250-54050 250-54066		250-24685 250-24684
2018	3.5 V6		2GR-FKS	F Sport AWD; From 11/2017 F Sport AWD; From 11/2017	Left Right	250-54050 250-54066		250-241200 250-24684
2018	3.5 V6		2GR-FKS	RWD; From 11/2017 RWD; From 11/2017	Left Right	250-54050 250-54066		250-24684 250-24684
2018	3.5 V6		2GR-FKS	RWD; To 11/2017 RWD; To 11/2017	Left Right	250-54066 250-54066		250-24623 250-24623
2017-2015	3.5 V6		2GR-FSE	AWD AWD	Left Right	250-54066 250-54066		250-24244 250-24623
2017-2015	3.5 V6		2GR-FSE	RWD RWD	Left Right	250-54066 250-54066		250-24623 250-24623

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LEXUS (cont'd)</b>								
<b>RC F</b>								
2021-2015	5.0 V8		2UR-GSE		Left Right	250-54050 250-54050		250-24623 250-24623
<b>RX300</b>								
2003-1999	3.0 V6		1MZ-FE		Front Rear	250-54054 250-54054		•250-24277
<b>RX330</b>								
2006-2004	3.3 V6		3MZ-FE		Front Rear	250-54059 250-54059		250-24420 250-241129
<b>RX350</b>								
2021-2016	3.5 V6		2GR-FKS	Exc.Japan Built Vehicle Exc.Japan Built Vehicle	Front Rear	250-54059 250-54007		250-241180 250-241178
2021-2016	3.5 V6		2GR-FKS	Japan Built Vehicle Japan Built Vehicle	Front Rear	250-54059 250-54118		250-241180 250-241178
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
<b>RX350L</b>								
2021-2018	3.5 V6		2GR-FKS		Front Rear	250-54059 250-54118		250-241180 250-241178
<b>RX400h</b>								
2008-2006	3.3 V6		3MZ-FE		Front Rear	250-54059 250-54059		250-24420 250-24837
<b>RX450h</b>								
2021-2016	3.5 V6		2GR-FXS	Hybrid Hybrid	Front Rear	250-54059 250-54007		250-241180 250-241178
2015-2011	3.5 V6		2GR-FXE	Hybrid Hybrid	Front Rear	250-54084 250-54084		250-24870 250-24837
2010	3.5 V6		2GR-FXE	Hybrid Hybrid	Front Rear	250-54059 250-54007		250-24420 250-24837
<b>RX450hL</b>								
2021	3.5 V6		2GR-FXS	Hybrid Hybrid	Front Rear	250-54059 250-54118		250-241180 250-241178
2020-2018	3.5 V6		2GR-FXS	Hybrid Hybrid	Front Rear	250-54059 250-54007		250-241180 250-241178
<b>SC300</b>								
2000-1998	3.0 L6		2JZ-GE		Cyl 1-3 Cyl 4-6	250-24106 250-241116		250-24298 250-24106
1997-1995	3.0 L6		2JZ-GE		Cyl 1-3 Cyl 4-6	250-24305 250-24305		•250-24155
1994	3.0 L6		2JZ-GE	From 1/94 From 1/94	Cyl 1-3 Cyl 4-6	250-24305 250-24305		•250-24155
1994	3.0 L6		2JZ-GE	To 1/94 To 1/94	Cyl 1-3 Cyl 4-6	250-21054 250-21054		•250-24155
1993-1992	3.0 L6		2JZ-GE		Cyl 1-3 Cyl 4-6	250-21054 250-21054		•250-24155

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LEXUS (cont'd)</b>								
<b>SC400</b>								
2000-1996	4.0 V8		1UZ-FE		Left Right	250-24169 250-24169		250-24839 250-24839
1995-1992	4.0 V8		1UZ-FE		Left Right	250-24220 250-24220		250-24172 250-24172
<b>SC430</b>								
2010-2006	4.3 V8		3UZ-FE		Left Right	250-24169 250-241116		250-24188 250-24188
2005-2002	4.3 V8		3UZ-FE		Left Right	250-24169 250-241116		250-24483 250-24483
<b>LINCOLN</b>								
<b>Aviator</b>								
2021-2020	3.0 V6	C	99C		Left Right	250-25077 250-25025		
2021-2020	3.0 V6	Y	99Y	Hybrid	Left Right	250-25077 250-25025		
2005-2003	4.6 V8	H			Left Right	250-24749 250-24749		250-24001 250-24001
<b>Blackwood</b>								
2002	5.4 V8	A			Left Right	250-24749 250-24749		250-24001 250-24001
<b>Continental</b>								
2020-2017	2.7 V6	P			Front Rear	250-25025 250-25025		250-241185 250-241185
2020-2017	3.0 V6	C			Front Rear	250-25025 250-25025		250-241185 250-241185
2020-2017	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		
<b>LS</b>								
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
<b>Mark LT</b>								
2008-2006	5.4 V8	5			Left Right	250-241127 250-241127		250-24701 250-24701
<b>Mark VI</b>								
1983-1980	5.0 V8	F				250-21003		
1980	5.8 V8	G				250-21003		
<b>Mark VII</b>								
1992-1988	5.0 V8	E			Left Right	250-23002 250-23002		
1987	5.0 V8	M			Left Right	250-23001 250-23001		
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LINCOLN (cont'd)</b>								
<b>Mark VIII</b>								
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		
<b>MKC</b>								
2019-2017	2.0 L4	9				250-25025		250-241184
2016-2015	2.0 L4	9				250-25034		250-241023
2019-2017	2.3 L4	H				250-25025		250-241184
2016-2015	2.3 L4	H				250-25049		250-241023
<b>MKS</b>								
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
<b>MKT</b>								
2016	2.0 L4	9				250-25025		250-241184
2015-2013	2.0 L4	9				250-25034		250-241023
2019-2012	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
2019-2016	3.7 V6	K			Front Rear	250-25122 250-25122		250-241185 250-241185
2015-2014	3.7 V6	K		Downstream Sensors 17.75" Downstream Sensors 17.75"	Front Rear	250-25086 250-25086		250-24989 250-24989
2015-2014	3.7 V6	K		Downstream Sensors 31.5" Downstream Sensors 31.5"	Front Rear	250-25086 250-25086		250-241205 250-241205
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
<b>MKX</b>								
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
<b>MKZ</b>								
2020-2017	2.0 L4	9				250-25025		250-241184
2020-2013	2.0 L4	U		Hybrid		250-25049		250-241059
2016-2015	2.0 L4	9				250-25034		250-241023
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 Rear	250-25049 250-25049		250-24989 250-24989
2020-2017	3.0 V6	C			Front Rear	250-25025 250-25025		250-241185 250-241185
2017	3.0 V6	C			Right	250-25025		
2012-2011	3.5 V6	C			Front Rear	250-24999 250-24999		250-24983 250-24983



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>LINCOLN (cont'd)</b>								
<b>MKZ (cont'd)</b>								
2010-2007	3.5 V6				Front Rear	250-24301 250-24301		250-24001 250-24001
2016-2013	3.7 V6	K			Front Rear	250-25086 250-25086		250-24989 250-24989
<b>Nautilus</b>								
2021-2019	2.0 L4	9				250-25025		250-241184
2021-2019	2.7 V6	P			Front Rear	250-25025 250-25025		250-241247 250-241247
<b>Navigator</b>								
2021-2019	3.5 V6	T			Left Right	250-25025 250-25040		250-241199 250-241199
2018-2015	3.5 V6	T			Left Right	250-25035 250-25049		250-241183 250-241183
2014-2012	5.4 V8	5			Left Right	250-25035 250-25049		250-241052 250-241052
2011-2009	5.4 V8				Left Right	250-25035 250-25049		250-24001 250-24001
2008	5.4 V8				Left Right	250-24701 250-24701		250-24001 250-24001
2007-2005	5.4 V8				Left Right	250-241127 250-241127		250-24001 250-24001
2004-1999	5.4 V8	R			Left Right	250-24749 250-24749		250-24001 250-24001
2001	5.4 V8	A			Left Right	250-241127 250-241127		250-24001 250-24001
1998	5.4 V8				Left Right	250-24001 250-24001		250-24001 250-24001
<b>Town Car</b>								
2011-2000	4.6 V8				Left Right	250-24302 250-24302		250-24001 250-24001
1999-1998	4.6 V8			Exc.Oil Cooler Exc.Oil Cooler	Left Right	250-24302 250-24302		250-24001 250-24001
1999-1998	4.6 V8			Oil Cooler Oil Cooler	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
1995-1991	4.6 V8				Left Right	250-24001 250-24001		
1990-1987	5.0 V8				Left Right	250-23002 250-23002		
1986	5.0 V8					250-23001		
1985-1981	5.0 V8					250-21003		
<b>Versailles</b>								
1980	5.0 V8	F				250-21003		
<b>Zephyr</b>								
2006	3.0 V6	1			Front Rear	250-24301 250-24301		250-24001 250-24001
<b>MAZDA</b>								
<b>2</b>								
2017-2011	1.5 L4	Y, Z	MZR			250-54081		250-24676
<b>3</b>								
2018-2014	2.0 L4	7				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					250-25029		250-24718
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			250-25067		250-24795
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
2018-2014	2.5 L4	3				250-25102		250-241074
2013-2011	2.5 L4	5, 6				250-25063		250-24958

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MAZDA (cont'd)</b>								
<b>3 (cont'd)</b>								
2011-2010	2.5 L4					250-25063		250-24872
<b>5</b>								
2010-2008	2.3 L4					250-25029		250-24769
2007-2006	2.3 L4					250-24660		250-24661
2015-2012	2.5 L4	L				250-25085		250-24958
<b>6</b>								
2008-2006	2.3 L4			A/T , Calif-ESV		250-54039	250-24732	250-24676
2008	2.3 L4			A/T , Non Calif-ESV		250-25069		250-24693
2008	2.3 L4			M/T		250-25069		250-24693
2007	2.3 L4			A/T , Non Calif-ESV	Front	250-25069		250-24693
				A/T , Non Calif-ESV		250-25069		
2007	2.3 L4			M/T	Front	250-25069		250-24693
				M/T		250-25069		
2007	2.3 L4			Turbocharged		250-25066		250-24791
2006	2.3 L4					250-25066		250-24791
2006	2.3 L4			A/T , Non Calif-ESV		250-25069		250-24693
2006	2.3 L4			M/T		250-25069		250-24693
2005	2.3 L4			A/T , Calif-ESV		250-54033	250-24732	250-24424
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
2020-2018	2.5 L4	5, M						250-241278
2020-2018	2.5 L4	Y				250-25101		250-241074
2017-2014	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
<b>323</b>								
1994-1990	1.6 L4					250-21010		
1989-1986	1.6 L4		B6T			250-21012		
<b>626</b>								
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	Rear	250-24067		
2000	2.5 V6			Non Calif-ESV			250-24628	
				Non Calif-ESV	Front	250-24369		•250-24139
1999-1998	2.5 V6				Rear	250-24067		
1999-1998	2.5 V6						250-24628	
1997	2.5 V6				Front	250-24369		•250-24139
1997	2.5 V6				Rear	250-23084		
							250-24628	
1996	2.5 V6				Front	250-23096		•250-24139
					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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MAZDA (cont'd)</b>								
<b>626 (cont'd)</b>								
1993	2.5 V6				Front Rear	250-24068 250-24067		
<b>929</b>								
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		
<b>B2000</b>								
1987-1986	2.0 L4			Carbureted		250-21014		
<b>B2200</b>								
1993-1990	2.2 L4			Fuel Injected		250-22004		
1989-1987	2.2 L4			Carbureted		250-21014		
<b>B2300</b>								
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
<b>B2500</b>								
2001-1998	2.5 L4	C				250-24001		250-24127
<b>B2600</b>								
1993-1989	2.6 L4					250-22004		
1988	2.6 L4					250-21019		
1987	2.6 L4					250-21012		
<b>B3000</b>								
2007-2006	3.0 V6	U			Left Right	250-241127 250-241127		250-24001 250-24001
2005-2004	3.0 V6	U			Right	250-241127		
2005-2004	3.0 V6	U						•250-24001
2003-2001	3.0 V6	U, V		w/ OEM # ZZR118861	Left	250-241127		•250-24127
2003-2001	3.0 V6	U		w/ OEM # ZZR118861	Left Right	250-24701 250-241127		
2003-2001	3.0 V6	V		w/ OEM # ZZR118861	Left Right	250-241127 250-24701		
2003-2001	3.0 V6	U, V		w/o OEM # ZZR118861				•250-24127
2003-1999	3.0 V6	U, V		w/o OEM # ZZR118861	Left	250-24001		
2000-1999	3.0 V6	V		w/ OEM # ZZR118861	Right	250-24001		
2000-1999	3.0 V6	V		w/ OEM # ZZR118861	Right	250-241127		•250-24070
2000-1999	3.0 V6	V		w/ OEM # ZZR118861	Left	250-241127		•250-24070
2000-1999	3.0 V6	V		w/o OEM # ZZR118861	Left	250-24001		
1998	3.0 V6	U		Downstream 19.75" Lead	Right	250-24001		
1998	3.0 V6	U		Downstream 19.75" Lead				•250-24127
1998	3.0 V6	U		Downstream 19.75" Lead	Left	250-24001		
1998	3.0 V6	U		Downstream 30.25" Lead	Right	250-24001		
1998	3.0 V6	U		Downstream 30.25" Lead				•250-24070
1998	3.0 V6	U		Downstream 30.25" Lead	Left	250-24001		
1996-1995	3.0 V6	U		A/T	Right	250-24001		
1996-1995	3.0 V6	U		A/T				•250-24127
1996-1995	3.0 V6	U		A/T	Left	250-24001		
1996-1995	3.0 V6	U		M/T	Right	250-24001		
1996-1995	3.0 V6	U		M/T				•250-24070
1996-1995	3.0 V6	U		M/T	Left	250-24001		
1994	3.0 V6	U			Left Right	250-24127 250-24127		
<b>B4000</b>								
2009-2005	4.0 V6	E			Left Right	250-241127 250-241127		250-24001 250-24001
2004	4.0 V6	E			Right	250-241127		
2004	4.0 V6	E						•250-24001
2003-2002	4.0 V6	E		w/ OEM # ZZR118861	Left Right	250-241127 250-24701		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MAZDA (cont'd)</b>								
<b>B4000 (cont'd)</b>								
2003-2002	4.0 V6	E		w/ OEM # ZZR118861	Left	250-24701		•250-24070
2003-2002	4.0 V6	E		w/ OEM # ZZR118861	Right	250-24001		
2003-2002	4.0 V6	E		w/o OEM # ZZR118861				•250-24070
2001-1999	4.0 V6	E, X		w/o OEM # ZZR118861	Left	250-24001		
2001-1999	4.0 V6	E, X		w/o OEM # ZZR118861	Right	250-24001		•250-24070
1998	4.0 V6	X		Downstream 19.75" Lead	Left	250-24001		
1998	4.0 V6	X		Downstream 19.75" Lead	Right	250-24001		•250-24127
1998	4.0 V6	X		Downstream 30.25" Lead	Left	250-24001		
1998	4.0 V6	X		Downstream 30.25" Lead	Right	250-24001		•250-24070
1997	4.0 V6	X		Downstream 30.25" Lead	Left	250-24001		
1997	4.0 V6	X		Downstream 30.25" Lead	Right	250-24001		•250-24127
1996	4.0 V6	X		A/T	Left	250-24001		
1996	4.0 V6	X		A/T	Right	250-24001		•250-24127
1996	4.0 V6	X		A/T	Left	250-24001		
1996	4.0 V6	X		M/T	Right	250-24001		
1996	4.0 V6	X		M/T	Left	250-24001		•250-24070
1996	4.0 V6	X		M/T	Right	250-24001		
1995	4.0 V6	X		M/T	Left	250-24001		
1995	4.0 V6	X		M/T	Right	250-24001		•250-24127
1994	4.0 V6	X			Left	250-24001		
					Left	250-24127		
					Right	250-24127		
<b>CX-3</b>								
2020-2019	2.0 L4	7						250-241281
2018-2016	2.0 L4	7				250-25102		250-241177
<b>CX-5</b>								
2017	2.0 L4					250-25102		250-24440
2016-2013	2.0 L4	E				250-25102		250-241074
2020-2019	2.5 L4	Y				250-25101		250-241074
2020-2018	2.5 L4	L, M						250-241278
2017	2.5 L4	L				250-25102		250-24440
2016-2014	2.5 L4	Y				250-25102		250-241074
<b>CX-7</b>								
2012-2007	2.3 L4	3, L	MZR			250-25066		250-24782
2012-2010	2.5 L4	5, M				250-25068		250-24871
<b>CX-9</b>								
2020-2016	2.5 L4	Y				250-25101		250-24440
2007	3.5 V6				Front	250-24301		250-24001
					Rear	250-24301		250-24001
2015-2011	3.7 V6	A, V			Front	250-25086		250-24983
					Rear	250-25086		250-24983
2010-2008	3.7 V6				Front	250-24301		250-24001
					Rear	250-24301		250-24001
<b>CX-30</b>								
2020	2.5 L4	L, M						250-241278
<b>GLC</b>								
1985-1983	1.5 L4					250-21012		
<b>Miata</b>								
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		
<b>Millenia</b>								
2002-1995	2.3 V6				Front	250-23097		250-24139
					Rear	250-23094		250-24128



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MAZDA (cont'd)</b>								
<b>Millenia (cont'd)</b>								
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
<b>MPV</b>								
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	Rear	250-24628	250-24378	•250-24634
2001-2000	2.5 V6			Non Calif-ESV Non Calif-ESV	Front	250-24366		
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		
<b>MX-3</b>								
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		
<b>MX-5</b>								
2017-2016	2.0 L4					250-25101		250-241177
2015-2006	2.0 L4	F				250-54063		250-24725
<b>MX-5 Miata</b>								
2018-2016	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
<b>MX-6</b>								
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 250-21034		
1989-1988	2.2 L4					250-21012		
1997	2.5 V6				Rear	250-23084	250-24628	
1997	2.5 V6							
1996	2.5 V6				Front Front Rear	250-23096 250-23096 250-23084		•250-24139 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		
<b>Navajo</b>								
1994-1991	4.0 V6	X			Left Right	250-24127 250-24127		
<b>Protege</b>								
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
2003	2.0 L4			Mazdaspeed		250-241126		250-24367
<b>Protege5</b>								
2003-2002	2.0 L4					250-241126		250-24367

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MAZDA (cont'd)</b>								
<b>RX-7</b>								
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		
<b>RX-8</b>								
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
2008-2004	1.3 R2					250-54031		250-24131
<b>Tribute</b>								
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	250-25086		250-24127
					Rear	250-25086		250-24127
2009-2008	3.0 V6	1, G			Front	250-24749		250-24127
					Rear	250-24749		250-24127
2006-2005	3.0 V6	1			Front	250-24301		250-24127
					Rear	250-24301		250-24127
2004-2001	3.0 V6				Front	250-24302		250-24127
					Rear	250-24749		250-24127
<b>MERCEDES-BENZ</b>								
<b>190E</b>								
1993-1991	2.3 L4					250-23066		
1988-1984	2.3 L4					250-23067		
1993-1987	2.6 L6					250-23067		
<b>260E</b>								
1989-1987	2.6 L6					250-23073		
<b>280CE</b>								
1981-1980	2.8 L6					250-21000		
<b>280E</b>								
1981-1980	2.8 L6					250-21000		
<b>280SE</b>								
1980	2.8 L6					250-21000		
<b>300CE</b>								
1992-1988	3.0 L6					250-23073		
1993	3.2 L6					250-24034		
<b>300E</b>								
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		
<b>300SE</b>								
1991-1988	3.0 L6					250-23073		
1993-1992	3.2 L6					250-24038		
<b>300SEL</b>								
1991-1988	3.0 L6					250-23073		
<b>300SL</b>								
1993-1990	3.0 L6					250-23074		
<b>300TE</b>								
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>300TE (cont'd)</b>								
1993	3.2 L6					250-24034		
<b>380SE</b>								
1985-1984	3.8 V8					250-21000		
<b>380SEC</b>								
1983-1982	3.8 V8					250-23163		
<b>380SEL</b>								
1983-1981	3.8 V8					250-21000		
<b>380SL</b>								
1985-1981	3.8 V8					250-21000		
<b>380SLC</b>								
1981	3.8 V8					250-21000		
<b>400E</b>								
1993-1992	4.2 V8					250-24038		
<b>400SE</b>								
1992	4.2 V8					250-24038		
<b>400SEL</b>								
1993	4.2 V8					250-24038		
<b>420SEL</b>								
1991-1986	4.2 V8					250-23163		
<b>450SEL</b>								
1980	4.5 V8					250-21000		
<b>450SL</b>								
1980	4.5 V8					250-21000		
<b>450SLC</b>								
1980	4.5 V8					250-23073		
<b>500E</b>								
1993-1992	5.0 V8					250-24038		
<b>500SEC</b>								
1993	5.0 V8					250-24038		
1985-1984	5.0 V8					250-21000		
<b>500SEL</b>								
1993-1992	5.0 V8					250-24038		
1985-1984	5.0 V8					250-21000		
<b>500SL</b>								
1993	5.0 V8					250-24038		
1992-1990	5.0 V8					250-23074		
<b>560SEC</b>								
1991-1986	5.6 V8					250-23163		
<b>560SEL</b>								
1991-1986	5.6 V8					250-23163		
<b>560SL</b>								
1989-1986	5.6 V8					250-23073		
<b>600SEC</b>								
1993	6.0 V12					250-24038		
<b>600SEL</b>								
1993-1992	6.0 V12					250-24038		
<b>600SL</b>								
1993	6.0 V12					250-24038		
<b>A180</b>								
2016-2013	1.6 L4		M 270			250-25043		
<b>A200</b>								
2017-2014	1.6 L4					250-25043		
<b>AMG GT</b>								
2020-2017	4.0 V8		178.980		Left Right	250-25042 250-25042		250-24253 250-24253

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>AMG GT 63</b>								
2021-2019	4.0 V8		177.980		Left Right	250-25042 250-25045		250-24253 250-241035
<b>AMG GT 63 S</b>								
2021-2019	4.0 V8		177.980		Left Right	250-25042 250-25045		250-24253 250-241035
<b>AMG GT C</b>								
2020-2018	4.0 V8		178.980		Left Right	250-25042 250-25042		250-24253 250-24253
<b>AMG GT R</b>								
2020-2018	4.0 V8		178.980		Left Right	250-25042 250-25042		250-24253 250-24253
<b>AMG GT R Pro</b>								
2020	4.0 V8		178.980		Left Right	250-25042 250-25042		250-24253 250-24253
<b>AMG GT S</b>								
2019-2016	4.0 V8		178.980		Left Right	250-25042 250-25042		250-24253 250-24253
<b>B180</b>								
2015-2012	1.6 L4					250-25043		
<b>C32 AMG</b>								
2004-2002	3.2 V6				Left Right	250-24468 250-24469		250-24465 250-24465
<b>C36 AMG</b>								
1997	3.6 L6			From Chassis/VIN 436536 To Chassis/VIN 436535		250-24609		250-24387
1996	3.6 L6					250-24609		250-24387
1996	3.6 L6					250-24038		250-24044
1995	3.6 L6					250-24038		250-24044
<b>C43 AMG</b>								
2020-2017	3.0 V6		276.823		Left Right	250-25043 250-25042		250-241035 250-241035
2000-1998	4.3 V8		113.944		Left Right	250-24143 250-24411		250-24413 250-24419
<b>C55 AMG</b>								
2006-2005	5.5 V8		113.988		Left Right	250-24468 250-24469		250-24465 250-24465
<b>C63 AMG</b>								
2020-2017	4.0 V8		177.980		Left Right	250-25046 250-25046		250-241077 250-241077
2016	4.0 V8		177.980		Left Left	250-25018 250-25046		250-241077
2016	4.0 V8		177.980		Right Right	250-25018 250-25046		250-241077
2015-2008	6.3 V8		156.985		Left Right	250-25043 250-25043		250-24675 250-24675
<b>C63 AMG S</b>								
2020-2019	4.0 V8		177.980		Left Right	250-25042 250-25045		250-24253 250-241035
2018-2015	4.0 V8		177.980		Left Right	250-25046 250-25046		250-241077 250-241077
<b>C180</b>								
2012	1.8 L4		M 271			250-25018		
<b>C200</b>								
2014	1.8 L4					250-25018		250-241035
2012	1.8 L4					250-25018		250-241035
2010	1.8 L4					250-25003		250-24468
2004-2003	1.8 L4					250-25003		250-24468
<b>C220</b>								
1996-1995	2.2 L4					250-24180		250-24044
1994	2.2 L4					250-24180		
<b>C230</b>								
2005-2003	1.8 L4					250-25003		250-24468
2002	2.3 L4		111.981			250-24469		250-24468
2000-1997	2.3 L4		111.975			250-24198		250-24387

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>C230 (cont'd)</b>								
2007-2006	2.5 V6		272.920		Left Right	250-25045 250-25045		250-24675 250-24675
<b>C240</b>								
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
<b>C250</b>								
2015-2012 2012	1.8 L4 3.5 V6		271.860		Left Right	250-25018 250-25043 250-25043		250-241035 250-24253 250-24253
<b>C280</b>								
1997	2.8 L6			From Chassis/VIN 436536 To Chassis/VIN 436535		250-24609		250-24387
1996	2.8 L6					250-24609		250-24387
1996	2.8 L6					250-24038		250-24044
1995	2.8 L6					250-24038		250-24044
1994	2.8 L6					250-24038		250-24044
2000-1998	2.8 V6		112.920		Left Right	250-24143 250-24411		250-24413 250-24419
2008-2006	3.0 V6		272.941		Left Right	250-25045 250-25043		250-24468 250-24469
2007-2006	3.0 V6		272.940		Left Right	250-25045 250-25045		250-24675 250-24675
<b>C300</b>								
2018-2015 2012	2.0 L4 3.0 V6		274.920 272.948		Left Right	250-25044 250-25043 250-25043		250-241159 250-24686 250-24686
2011-2010	3.0 V6		272.947		Left Right	250-25043 250-25043		250-24675 250-24675
2011-2010	3.0 V6		272.948	4Matic Model 4Matic Model	Left Right	250-25043 250-25043		250-24686 250-24686
2009-2008	3.0 V6		272.948	4Matic 4Matic	Left Right	250-25043 250-25043		250-24686 250-24686
2009-2008	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
<b>C320</b>								
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
<b>C350</b>								
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
<b>C350e</b>								
2018-2016	2.0 L4		274.920	Hybrid		250-25044		250-241159
<b>C400</b>								
2015	3.0 V6		276.823		Left Right	250-25043 250-25042		250-24253 250-24253
<b>C450 AMG</b>								
2016	3.0 V6		276.823		Right	250-25043		
2016	3.0 V6		276.823		Left Right	250-25043 250-25042		250-24253 250-24253
<b>CL55 AMG</b>								
2006-2001	5.5 V8		113.991		Left Right	250-24469 250-24469		250-24469 250-24469
<b>CL63 AMG</b>								
2014	5.5 V8				Left Right	250-25043 250-25043		250-24253 250-24253

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>CL63 AMG (cont'd)</b>								
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
<b>CL65 AMG</b>								
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
<b>CL500</b>								
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
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
<b>CL550</b>								
2014-2012	4.7 V8		278.920		Left Right	250-25043 250-25043		250-24680 250-24680
2011	4.7 V8		278.920	From 02/28/2011 From 02/28/2011	Left Right	250-25043 250-25043		250-24680 250-24680
2011	4.7 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
<b>CL600</b>								
2014-2003	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
1999-1998	6.0 V12				Left Right	250-24609 250-24609		250-24610 250-24610
<b>CLA45 AMG</b>								
2019-2014	2.0 L4		133.980			250-25043		250-241145
<b>CLA250</b>								
2019-2014	2.0 L4		270.920			250-25043		250-241145
<b>CLK55 AMG</b>								
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
<b>CLK63 AMG</b>								
2009-2007	6.3 V8		156.982		Left Right	250-25048 250-25045		250-24675 250-24675
<b>CLK320</b>								
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
<b>CLK350</b>								
2009-2006	3.5 V6		272.960		Left Right	250-25045 250-25045		250-24675 250-24675



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>CLK430</b>								
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
<b>CLK500</b>								
2006-2003	5.0 V8		113.968		Left Right	250-24468 250-24469		250-24465 250-24465
<b>CLK550</b>								
2009-2007	5.5 V8		273.967		Left Right	250-25045 250-25045		250-24675 250-24675
<b>CLS55 AMG</b>								
2006	5.5 V8				Left Right	250-24469 250-24469		250-24465 250-24465
<b>CLS63 AMG</b>								
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
<b>CLS63 AMG S</b>								
2018-2014	5.5 V8		157.981		Left Right	250-25043 250-25043		250-24253 250-24253
<b>CLS400</b>								
2017	3.0 V6		276.820		Left Right	250-25043 250-25042		250-24680 250-24680
2015	3.0 V6		276.820		Left Right	250-25042 250-25042		250-24253 250-24253
2017-2016	3.5 V6		M 276		Left Right	250-25043 250-25043		250-24253 250-24253
<b>CLS500</b>								
2006	5.0 V8				Left Right	250-24469 250-24469		250-24465 250-24465
<b>CLS550</b>								
2018-2017	4.7 V8		278.922	4Matic Model 4Matic Model	Left Right	250-25044 250-25042		250-24253 250-24680
2018	4.7 V8		278.922		Left Right	250-25045 250-25043		250-24253 250-24253
2017	4.7 V8		278.922		Left Right	250-25045 250-25045		250-24253 250-24253
2016-2012	4.7 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
<b>E43 AMG</b>								
2017	3.0 V6		276.823		Left Right	250-25043 250-25042		250-241035 250-241035
<b>E55 AMG</b>								
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
<b>E63 AMG</b>								
2015-2012	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
<b>E63 AMG S</b>								
2020-2019	4.0 V8		177.980		Left Right	250-25042 250-25045		250-24253 250-241035
2018	4.0 V8		177.980		Left Right	250-25042 250-25045		250-24253 250-24460
2016-2014	5.5 V8		157.981		Left Right	250-25043 250-25043		250-24253 250-24253

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>E250</b>								
2014	2.0 L4					250-25126		
2016-2014	2.1 L4	651.924		Diesel		250-25126		
2012	3.5 V6				Left	250-25043		250-24253
					Right	250-25043		250-24253
2012	5.5 V8				Left	250-25043		250-24253
					Right	250-25043		250-24253
<b>E280</b>								
2007	3.0 V6				Left	250-25045		250-24675
					Right	250-25045		250-24675
<b>E300</b>								
2019-2017	2.0 L4		274.920			250-25044		250-241159
<b>E320</b>								
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	Left	250-24468		250-24465
				4 Matic	Right	250-24468		250-24465
2005-2003	3.2 V6	112.949			Left	250-24469		250-24465
					Right	250-24469		250-24465
2003-2001	3.2 V6	112.941			Left	250-24469		250-24469
					Right	250-24468		250-24469
2000	3.2 V6	112.941			Left	250-24610		250-24609
					Right	250-24387		250-24609
1999-1998	3.2 V6	112.941		Exc.Wagon	Left	250-24610		250-24609
				Exc.Wagon	Right	250-24387		250-24609
1999-1998	3.2 V6	112.941		Wagon	Left	250-24387		250-24609
				Wagon	Right	250-24387		250-24609
<b>E350</b>								
2013-2011	3.0 V6			Diesel		250-25091		
2016-2012	3.5 V6	276.952			Left	250-25043		250-24253
					Right	250-25043		250-24253
2011-2010	3.5 V6				Left	250-25043		250-24675
					Right	250-25043		250-24675
2011-2010	3.5 V6			4Matic Model	Left	250-25043		250-24686
				4Matic Model	Right	250-25043		250-24686
2009-2006	3.5 V6	272.972		4Matic	Left	250-25045		250-24469
				4Matic	Right	250-25045		250-24469
2009-2006	3.5 V6	272.964		Base	Left	250-25043		250-24675
				Base	Right	250-25043		250-24675
<b>E400</b>								
2018	3.0 V6		276.823		Left	250-25043		250-241035
					Right	250-25042		250-241035
2017-2016	3.0 V6		276.820		Left	250-25042		250-24680
					Right	250-25042		250-24680
2017-2016	3.0 V6		276.820	4Matic Model	Left	250-25043		250-24680
				4Matic Model	Right	250-25043		250-24253
2015	3.0 V6		276.820		Left	250-25043		250-24253
					Right	250-25043		250-24253
2017	3.5 V6				Left	250-25043		250-24253
					Right	250-25043		250-24253
2015-2014	3.5 V6		276.952	Hybrid	Left	250-25042		250-24460
				Hybrid	Right	250-25042		250-24460
2013	3.5 V6		276.952	Hybrid	Left	250-25043		250-24253
				Hybrid	Right	250-25043		250-24253
<b>E420</b>								
1997	4.2 V8				Left	250-24387		250-24609
					Right	250-24387		250-24609
1995-1994	4.2 V8					250-24038		
<b>E430</b>								
2002-2001	4.3 V8		113.940		Left	250-24469		250-24469
					Right	250-24468		250-24469
2000	4.3 V8		113.940		Left	250-24610		250-24609
					Right	250-24387		250-24609
1999-1998	4.3 V8		113.940		Left	250-24387		250-24609
					Right	250-24387		250-24609



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>E450</b>								
2020-2019	3.0 V6		276.823		Left Right	250-25043 250-25042		250-241035 250-241035
<b>E500</b>								
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		
2012	5.5 V8				Left Right	250-25043 250-25043		250-24253 250-24253
<b>E550</b>								
2017-2012	4.7 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
<b>G55 AMG</b>								
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
<b>G63 AMG</b>								
2021-2019	4.0 V8		177.980		Left Right	250-25043 250-25046		250-241035 250-241077
2018-2015	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
<b>G65 AMG</b>								
2018	6.0 V12		279.982		Left Right	250-25043 250-25043		250-241193 250-241193
2017-2016	6.0 V12		279.982		Left Right	250-25042 250-25042		250-241193 250-241193
<b>G500</b>								
2008-2002	5.0 V8		113.962		Left Right	250-24469 250-24469		250-24468 250-24468
<b>G550</b>								
2021-2019	4.0 V8		176.980		Left Right	250-25043 250-25046		250-241035 250-241077
2018-2016	4.0 V8		176.980		Left Right	250-25045 250-25045		250-241077 250-241077
2015-2009	5.5 V8		273.963		Left Right	250-25043 250-25044		250-24857 250-24857
<b>G550 4x4</b>								
2018-2017	4.0 V8		176.980		Left Right	250-25045 250-25045		250-241077 250-241077
<b>GL63 AMG</b>								
2016-2013	5.5 V8		157.982		Left Right	250-25042 250-25042		250-24253 250-24253
<b>GL320</b>								
2009-2007	3.0 V6		642.820, 642.940	Diesel				250-25043
<b>GL350</b>								
2015-2013	3.0 V6		642.826	Diesel		250-25088		
2011-2010	3.0 V6		642.820	Diesel				250-25088
<b>GL450</b>								
2016	3.0 V6		276.821		Left Right	250-25042 250-25042		250-24680 250-24253
2015	3.0 V6		276.821		Left Right	250-25043 250-25043		250-24680 250-24253

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>GL450 (cont'd)</b>								
2014-2013	4.7 V8		278.928		Left Right	250-25042 250-25042		250-24253 250-24253
2012-2007	4.7 V8		273.923		Left Right	250-25043 250-25043		250-24686 250-24675
<b>GL500</b>								
2012	5.5 V8				Left Right	250-25043 250-25043		250-24253 250-24253
2010	5.5 V8				Left Right	250-25043 250-25043		250-24675 250-24675
<b>GL550</b>								
2016-2013	4.7 V8		278.928		Left Right	250-25042 250-25042		250-24253 250-24253
2012-2008	5.5 V8		273.963		Left Right	250-25043 250-25043		250-24686 250-24675
<b>GLA45 AMG</b>								
2019-2015	2.0 L4		133.980			250-25043		250-241145
<b>GLA250</b>								
2020-2015	2.0 L4		270.920			250-25043		250-241145
<b>GLC43 AMG</b>								
2020-2017	3.0 V6		276.823		Left Right	250-25043 250-25042		250-241035 250-241035
<b>GLC63 AMG</b>								
2020-2018	4.0 V8		177.980		Left Right	250-25043 250-25046		250-241035 250-241077
<b>GLC63 AMG S</b>								
2020-2018	4.0 V8		177.980		Left Right	250-25043 250-25046		250-241035 250-241077
<b>GLC300</b>								
2019-2016	2.0 L4		274.920			250-25044		250-241159
<b>GLC350e</b>								
2020-2018	2.0 L4		274.920	Hybrid		250-25044		250-241159
<b>GLE43 AMG</b>								
2019-2017	3.0 V6		276.821		Left Right	250-25042 250-25042		250-24253 250-24680
<b>GLE63 AMG</b>								
2019-2016	5.5 V8		157.982		Left Right	250-25042 250-25042		250-24253 250-24253
<b>GLE63 AMG S</b>								
2019-2016	5.5 V8		157.982		Left Right	250-25042 250-25042		250-24253 250-24253
<b>GLE300d</b>								
2016	2.1 L4		651.960	Diesel		250-25126		
<b>GLE350</b>								
2018-2016	3.5 V6		276.955		Left Right	250-25042 250-25042		250-24253 250-24253
2017	3.5 V6				Left Right	250-25043 250-25043		250-24253 250-24253
<b>GLE400</b>								
2019	3.0 V6		276.821		Left Right	250-25042 250-25042		250-24253 250-24680
2017-2016	3.0 V6		276.821		Left Right	250-25042 250-25042		250-24680 250-24253
<b>GLE450 AMG</b>								
2016	3.0 V6		276.821		Left Right	250-25042 250-25042		250-24680 250-24253
<b>GLE550e</b>								
2018	3.0 V6		276.821	Hybrid	Left Right	250-25043 250-25042		250-241035 250-241035
2017	3.0 V6		276.821	Hybrid	Left Right	250-25043 250-25042		250-24680 250-24253
2016	3.0 V6		276.821	Hybrid	Left Right	250-25042 250-25042		250-24680 250-24253

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>GLE580</b>								
2020	4.0 V8		176.980		Left Right	250-25043 250-25042		250-24253 250-24253
<b>GLK250</b>								
2015-2013	2.1 L4		651.912	Diesel		250-25126		
<b>GLK300</b>								
2015	3.5 V6				Left Right	250-25043 250-25043		250-24253 250-24253
2012	3.5 V6				Left Right	250-25043 250-25043		250-24253 250-24253
<b>GLK350</b>								
2015-2013	3.5 V6		276.957		Left Right	250-25043 250-25043		250-24253 250-24253
2012-2010	3.5 V6		272.991		Left Right	250-25043 250-25043		250-24675 250-24675
2012-2010	3.5 V6		272.971	4Matic Model 4Matic Model	Left Right	250-25043 250-25043		250-24686 250-24686
2009	3.5 V6				Left Right	250-25043 250-25043		250-24686 250-24675
<b>GLS63 AMG</b>								
2019-2017	5.5 V8		157.982		Left Right	250-25042 250-25042		250-24253 250-24253
<b>GLS450</b>								
2019-2017	3.0 V6		276.821		Left Right	250-25042 250-25042		250-24253 250-24680
<b>GLS550</b>								
2019-2017	4.7 V8		278.928		Left Right	250-25042 250-25042		250-24253 250-24253
<b>GLS580</b>								
2020	4.0 V8		176.980	Hybrid Hybrid	Left Right	250-25043 250-25042		250-24253 250-24253
<b>Maybach GLS600</b>								
2021	4.0 V8		177.980	Hybrid Hybrid	Left Right	250-25043 250-25042		250-24253 250-24253
<b>Maybach S550</b>								
2017	4.7 V8		278.929		Left Right	250-25043 250-25043		250-24680 250-24680
<b>Maybach S560</b>								
2020-2018	4.0 V8		176.980		Left Right	250-25042 250-25045		250-24253 250-241035
<b>Maybach S600</b>								
2017-2016	6.0 V12		277.980		Left Right	250-25042 250-25042		250-241145 250-241145
<b>Maybach S650</b>								
2020-2018	6.0 V12		279.980		Left Right	250-25043 250-25043		250-241145 250-241145
<b>Metris</b>								
2020-2016	2.0 L4		274.920			250-25042		250-241145
<b>ML55 AMG</b>								
2003-2000	5.5 V8				Left Right	250-24609 250-24609		250-24609 250-24609
<b>ML63 AMG</b>								
2015-2012	5.5 V8		157.982		Left Right	250-25042 250-25042		250-24253 250-24253
2011-2007	6.3 V8		156.980		Left Right	250-25043 250-25043		250-24686 250-24686
<b>ML250</b>								
2015	2.1 L4		651.960	Diesel		250-25126		
<b>ML320</b>								
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 Right	250-24469 250-24469		250-24469 250-24469
2000-1998	3.2 V6		112.942		Left Right	250-24609 250-24609		250-24609 250-24609

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>ML350</b>								
2014-2011	3.0 V6		642.820, 642.826			250-25088		250-25088
2015	3.5 V6		276.955		Left	250-25042		250-24253
					Left	250-25043		
2015	3.5 V6		276.955		Right	250-25042		250-24253
					Right	250-25043		
2014	3.5 V6		276.955		Left	250-25042		250-24253
					Right	250-25042		250-24253
2013	3.5 V6		276.955		Left	250-25042		250-24253
					Left	250-25043		
2013	3.5 V6		276.955		Right	250-25042		250-24253
					Right	250-25043		
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
<b>ML400</b>								
2015	3.0 V6		276.821		Left	250-25042		250-24680
					Right	250-25042		250-24253
<b>ML430</b>								
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
<b>ML450</b>								
2011-2010	3.5 V6		272.973		Left	250-25044		250-24752
				Hybrid	Right	250-25044		250-24752
<b>ML500</b>								
2007-2006	5.0 V8		113.964		Left	250-24468		250-24465
					Right	250-24468		250-24465
2005-2002	5.0 V8				Left	250-24469		250-24469
					Right	250-24469		250-24469
<b>ML550</b>								
2014-2012	4.7 V8		278.928		Left	250-25042		250-24253
					Right	250-25042		250-24253
2011-2008	5.5 V8		273.963		Left	250-25043		250-24686
					Right	250-25043		250-24675
<b>R63 AMG</b>								
2007	6.3 V8		156.980		Left	250-25043		250-24686
					Right	250-25043		250-24686
<b>R320</b>								
2009-2007	3.0 V6		642.870, 642.950					250-25042
<b>R350</b>								
2012-2011	3.0 V6							250-25088
2010	3.0 V6		642.870					250-25088
2010	3.0 V6		642.870	Diesel, From Chassis/VIN A 094585				250-25042
2013	3.5 V6			Diesel, To Chassis/VIN A 101972	Left	250-25043		250-24253
					Right	250-25043		250-24253
2012	3.5 V6				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
<b>R500</b>								
2007-2006	5.0 V8		113.971		Left	250-24468		250-24465
					Right	250-24468		250-24465
<b>S55 AMG</b>								
2006-2001	5.5 V8		113.986		Left	250-24469		250-24469
					Right	250-24469		250-24469
<b>S63 AMG</b>								
2020-2018	4.0 V8		177.980		Left	250-25042		250-24253
					Right	250-25045		250-241035
2017-2014	5.5 V8		157.985		Left	250-25043		250-24680
					Right	250-25043		250-24680
2013-2011	5.5 V8		157.980		Left	250-25043		250-24253
					Right	250-25043		250-24253

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>S63 AMG (cont'd)</b>								
2010-2008	6.3 V8		156.984		Left Right	250-25045 250-25045		250-24686 250-24686
<b>S65 AMG</b>								
2020-2018	6.0 V12		279.980		Left Right	250-25043 250-25043		250-241145 250-241145
2017-2015	6.0 V12		279.980		Left Right	250-25042 250-25042		250-241145 250-241145
2013-2006	6.0 V12		275.980, 275.982		Left Right	250-24469 250-24469		250-24469 250-24469
<b>S320</b>								
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
<b>S350</b>								
2013-2012	3.0 V6		642.868	Diesel				250-25042
2006	3.7 V6				Left Right	250-24469 250-24469		250-24469 250-24469
<b>S400</b>								
2013	3.5 V6		272.974	Hybrid Hybrid	Left Right	250-25042 250-25043		250-24686 250-24686
2012	3.5 V6				Left Right	250-25042 250-25043		250-24686 250-24686
2011-2010	3.5 V6		272.974	Hybrid Hybrid	Left Right	250-25042 250-25043		250-24686 250-24686
<b>S400L</b>								
2017-2016	3.5 V6				Left Right	250-25043 250-25043		250-24253 250-24253
<b>S420</b>								
1999-1996	4.2 V8				Left Right	250-24610 250-24610		250-24387 250-24609
1995-1994	4.2 V8					250-24038		
<b>S430</b>								
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
<b>S450</b>								
2020-2018	3.0 V6		276.824		Left Right	250-25043 250-25042		250-24680 250-24680
<b>S500</b>								
2006-2001	5.0 V8		113.960, 113.966		Left Right	250-24469 250-24469		250-24469 250-24469
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		
<b>S550</b>								
2017	4.7 V8		278.929		Left Right	250-25043 250-25043		250-24253 250-24253
2017	4.7 V8		278.929	4Matic Model 4Matic Model	Left Right	250-25043 250-25043		250-24680 250-24680
2016	4.7 V8		278.929		Left Right	250-25042 250-25042		250-24680 250-24680
2015-2013	4.7 V8		278.929, 278.932		Left Right	250-25043 250-25043		250-24680 250-24680
2012	4.7 V8				Left Right	250-25043 250-25043		250-24253 250-24253
2012	4.7 V8			4Matic Model 4Matic Model	Left Right	250-25043 250-25043		250-24680 250-24680
2011-2008	5.5 V8		273.968		Left Right	250-25043 250-25042		250-24686 250-24686
2011-2007	5.5 V8		273.961		Left Right	250-25043 250-25043		250-24686 250-24686
2007	5.5 V8		273.968		Left Right	250-25043 250-25042		250-24686 250-24675

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>S550e</b>								
2017-2015	3.0 V6		276.824	Hybrid Hybrid	Left Right	250-25043 250-25043		250-24253 250-24460
<b>S560</b>								
2020-2018	4.0 V8		176.980		Left Right	250-25042 250-25045		250-24253 250-241035
<b>S600</b>								
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
2017-2015	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		
<b>SL55 AMG</b>								
2008-2003	5.5 V8		113.992, 113.995		Left Right	250-24469 250-24469		250-24465 250-24465
<b>SL63 AMG</b>								
2019-2013	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
<b>SL65 AMG</b>								
2018-2017	6.0 V12		279.981		Left Right	250-25043 250-25043		250-241145 250-241145
2016-2014	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 From 03/30/2012	Left Right	250-25042 250-25042		250-241145 250-241145
2013	6.0 V12		279.981	To 03/30/2012 To 03/30/2012	Left Right	250-25042 250-25042		250-241159 250-241159
2011	6.0 V12		275.981		Left Right	250-24469 250-24469		250-24469 250-24469
2009-2005	6.0 V12		275.981, 275.983		Left Right	250-24469 250-24469		250-24469 250-24469
<b>SL320</b>								
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
<b>SL400</b>								
2016-2015	3.0 V6		276.825		Left Right	250-25045 250-25043		250-24253 250-24253
<b>SL450</b>								
2019	3.0 V6		276.825		Left Right	250-25043 250-25043		
2018-2017	3.0 V6		276.825		Left Right	250-25044 250-25045		250-24253 250-24253
<b>SL500</b>								
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		
<b>SL550</b>								
2020-2017	4.7 V8		278.927		Left Right	250-25043 250-25044		250-24253 250-24253
2016-2013	4.7 V8		278.927		Left Right	250-25043 250-25043		250-24253 250-24253
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>SL600</b>								
2009-2004	5.5 V12		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		
<b>SLC43 AMG</b>								
2020-2019	3.0 V6		276.822	w/o Option Code M016 (Performance Eng.) w/o Option Code M016 (Performance Eng.)	Left Right	250-25042 250-25042		250-24253 250-24460
2020-2019	3.0 V6		276.822	w/ Option Code M016 (Performance Eng.) w/ Option Code M016 (Performance Eng.)	Left Right	250-25044 250-25045		250-24253 250-24460
2018-2017	3.0 V6		276.822		Left Right	250-25044 250-25045		250-24253 250-24460
<b>SLC300</b>								
2020-2017	2.0 L4		274.920			250-25044		250-241159
<b>SLK32 AMG</b>								
2004-2002	3.2 V6				Left Right	250-24469 250-24469		250-24469 250-24469
<b>SLK55 AMG</b>								
2016	5.5 V8		152.980		Left Right	250-25043 250-25043		250-24460 250-24460
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
<b>SLK200</b>								
2013-2012	1.8 L4					250-25003		250-24468
2009-2005	1.8 L4					250-25003		250-24468
2012	3.5 V6				Left Right	250-25043 250-25043		250-24253 250-24253
<b>SLK230</b>								
2004-2000	2.3 L4		111.973, 111.983			250-24469		250-24469
1999-1998	2.3 L4		111.973			250-24412		250-24609
<b>SLK250</b>								
2015-2012	1.8 L4		271.861			250-25018		250-241035
<b>SLK280</b>								
2008-2006	3.0 V6		272.942		Left Right	250-25043 250-25043		250-24675 250-24675
<b>SLK300</b>								
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
<b>SLK320</b>								
2004-2001	3.2 V6				Left Right	250-24469 250-24469		250-24469 250-24469
<b>SLK350</b>								
2016-2015	3.5 V6		276.956		Left Right	250-25044 250-25043		250-24253 250-24253
2013	3.5 V6		276.956		Left Left	250-25043 250-25093		250-24253
2013	3.5 V6		276.956		Right Right	250-25043 250-25093		250-24253
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
<b>SLR McLaren</b>								
2009-2005	5.5 V8		155.980		Left Right	250-24469 250-24469		250-24465 250-24465
<b>SLS AMG</b>								
2015-2011	6.3 V8		159.980		Left Right	250-25045 250-25045		250-24752 250-24752
<b>Sprinter 1500</b>								
2021-2019	2.0 L4		274.920			250-25042		250-241159



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCEDES-BENZ (cont'd)</b>								
<b>Sprinter 2500</b>								
2021-2019	2.0 L4		274.920			250-25042		250-241159
2013	3.0 V6		642.896		Diesel	250-25091		
2012-2010	3.0 V6				Diesel			250-25091
<b>Sprinter 3500</b>								
2013	3.0 V6		642.896		Diesel	250-25091		
2012-2010	3.0 V6				Diesel			250-25091
<b>MERCURY</b>								
<b>Bobcat</b>								
1980	2.3 L4	A			Calif-ESV			250-21003
<b>Capri</b>								
1994-1991	1.6 L4					250-21012		
1986-1985	2.3 L4					250-21003		
1984	2.3 L4					250-21003		
						250-23001		
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		
<b>Colony Park</b>								
1991-1987	5.0 V8	F				250-23002		
					Left Right	250-23002		
<b>Cougar</b>								
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					250-24001		250-24001
					Left Right	250-24001		250-24001
1995-1991	3.8 V6					250-24001		
					Left Right	250-24001		
1990-1988	3.8 V6					250-23002		
					Left Right	250-23002		
1987	3.8 V6					250-21003		
					Left Right	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					250-24001		250-24001
					Left Right	250-24001		250-24001
1995-1994	4.6 V8					250-24001		
					Left Right	250-24001		
1993-1991	5.0 V8					250-24001		
					Left Right	250-24001		
1988-1987	5.0 V8					250-23002		
					Left Right	250-23002		
1986	5.0 V8					250-23001		
1985-1983	5.0 V8					250-21003		
1981	5.0 V8					250-21003		
<b>Grand Marquis</b>								
1982-1981	4.2 V8					250-21003		
2011-1999	4.6 V8					250-24302		250-24001
					Left Right	250-24302		250-24001
1998	4.6 V8					250-24749		250-24001
					Left Right	250-24749		250-24001
1997-1996	4.6 V8					250-24001		250-24001
					Left Right	250-24001		250-24001
1995-1992	4.6 V8					250-24001		
					Left Right	250-24001		
1991-1987	5.0 V8					250-23002		
					Left Right	250-23002		
1986	5.0 V8					250-23001		
1985-1980	5.0 V8					250-21003		



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCURY (cont'd)</b>								
<b>Grand Marquis (cont'd)</b>								
1986	5.8 V8	G				250-21003		
1981-1980	5.8 V8					250-21003		
<b>LN7</b>								
1983	1.6 L4	4, 5				250-21003		
<b>Lynx</b>								
1985-1983	1.6 L4					250-21003		
1987	1.9 L4	9, J				250-23002		
1986	1.9 L4	9, J				250-23001		
<b>Marauder</b>								
2004-2003	4.6 V8				Left Right	250-24302 250-24302		250-24001 250-24001
<b>Mariner</b>								
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 Rear	250-25086 250-25086		250-24989 250-24989
2010	3.0 V6	G			Front Rear	250-25086 250-25086		250-24127 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	3.0 V6	1			Front Rear	250-24302 250-24749		250-24127 250-24127
2005	3.0 V6	1			Front Rear	250-24749 250-24302		250-24127 250-24127
<b>Marquis</b>								
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		
<b>Milan</b>								
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 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
2009-2007	3.0 V6	1		AWD	Front	250-24301		250-24001
2009-2007	3.0 V6	1		AWD	Rear	250-24301		250-24001
2009-2007	3.0 V6	1		FWD	Front	250-24301		250-24001
2009-2007	3.0 V6	1		FWD	Rear	250-24301		250-24127
2006	3.0 V6	1			Front Rear	250-24301 250-24301		250-24001 250-24001
<b>Montego</b>								
2007-2005	3.0 V6				Front Rear	250-24302 250-24749		250-24001 250-24001
<b>Monterey</b>								
2007-2004	4.2 V6	2			Front Rear	250-241127 250-241127		250-24001 250-24001
<b>Mountaineer</b>								
2010-2003	4.0 V6				Left Right	250-241127 250-241127		250-24001 250-24001

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCURY (cont'd)</b>								
<b>Mountaineer (cont'd)</b>								
2002	4.0 V6				Left Right	250-24749 250-24749		250-24001 250-24001
2001-1999	4.0 V6				Left Right	250-24701 250-24701		250-24001 250-24001
1998	4.0 V6				Left Right	250-24127 250-24001		250-24001 250-24001
2010-2002	4.6 V8				Left Right	250-241127 250-241127		250-24001 250-24001
2001-2000	5.0 V8				Left Right	250-24701 250-24701		250-24001 250-24001
1999	5.0 V8				Left Right	250-241127 250-24701		250-24001 250-24001
1998-1997	5.0 V8				Left Right	250-24001 250-24001		250-24001 250-24001
<b>Mystique</b>								
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		
<b>Sable</b>								
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		
<b>Topaz</b>								
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		
<b>Tracer</b>								
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
<b>Villager</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MERCURY (cont'd)</b>								
<b>Zephyr</b>								
1983-1980	2.3 L4	A				250-21003		
1981	4.2 V8	D				250-21003		
<b>MERKUR</b>								
<b>Scorpio</b>								
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		
<b>XR4Ti</b>								
1989-1985	2.3 L4	W				250-21004		
<b>MINI</b>								
<b>Cooper</b>								
2020-2014	1.5 L3		B36A15M0, B38A15M0	Turbocharged		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
2012-2007	1.6 L4		N14B16A, N14B16C	Turbocharged		250-25044		250-24546
2010-2009	1.6 L4		N12B16A			250-25095		250-24546
2008-2007	1.6 L4		N12B16A			250-25042		250-24546
2008-2002	1.6 L4		W10B16A			250-24775		250-24775
2008-2002	1.6 L4		W11B16A	Supercharged		250-24775		250-24775
2020-2014	2.0 L4		B46A20M0, B48A20B, B48A20M0	Turbocharged		250-25106		250-241192
<b>Cooper Clubman</b>								
2019-2016	1.5 L3		B36A15M0			250-25106		250-241192
2020-2016	2.0 L4		B46A20M0, B48A20B			250-25106		250-241192
<b>Cooper Countryman</b>								
2020-2017	1.5 L3		B36A15M0, B38A15M0			250-25106		250-241192
2016-2011	1.6 L4		N16B16A, N18B16A, N18B16C			250-25087		250-24546
2014	1.6 L4			Turbocharged		250-25087		250-24546
2020-2017	2.0 L4		B46A20M0, B48A20B			250-25106		250-241192
<b>Cooper Paceman</b>								
2016-2013	1.6 L4		N16B16A, N18B16A, N18B16C			250-25087		250-24546
2014	1.6 L4			Turbocharged		250-25087		250-24546
<b>MITSUBISHI</b>								
<b>3000GT</b>								
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		
<b>Cordia</b>								
1988-1983	1.8 L4					250-21005		
1988-1984	2.0 L4	D				250-21005		
<b>Diamante</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MITSUBISHI (cont'd)</b>								
<b>Diamante (cont'd)</b>								
1994	3.0 V6	J		Calif- ESV Calif- ESV	Front Rear	250-24235 250-24236		250-24630 250-24241
1994	3.0 V6	H, J, S		Non Calif-ESV Non Calif-ESV	Front Rear	250-24231 250-24231		
1993-1992	3.0 V6	B, H, J, S				250-24231		
2004-2001	3.5 V6	P	6G74		Front Rear	250-24633 250-24233		250-24241 250-24235
2000-1999	3.5 V6		6G74	Calif-ESV Calif-ESV	Front Rear	250-24633 250-24233		250-24241 250-24235
2000-1999	3.5 V6		6G74	Non Calif-ESV Non Calif-ESV	Front Rear	250-24224 250-24224		250-24224 250-24224
1998-1997	3.5 V6	P	6G74		Front Rear	250-24224 250-24224		250-24224 250-24224
<b>Eclipse</b>								
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		
1999-1998	2.0 L4	Y	420A	GS/RS Models		250-24076		250-24083
1999	2.0 L4	F	4G63T	GST, Spyder GST Models		250-24026		250-24224
1999	2.0 L4	F	4G63T	GSX Model		250-24026		250-24231
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
1997	2.0 L4	Y	420A	Base/GS/RS Models		250-24076		250-24083
1996	2.0 L4	Y	420A	Base/GS/RS Models		250-24003		250-24083
1995	2.0 L4	Y		GS/RS 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
<b>Endeavor</b>								
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
<b>Expo</b>								
1995-1994	2.4 L4	G	4G64	4WD		250-24229		250-24224
1995	2.4 L4	G	4G64	2WD, Calif-ESV		250-24235	250-24228	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		
<b>Expo LRV</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MITSUBISHI (cont'd)</b>								
<b>Expo LRV (cont'd)</b>								
1993	2.4 L4	G		Calif-ESV , 4WD		250-24229		250-24224
1993	2.4 L4	G		Non Calif-ESV		250-22066		
<b>Galant</b>								
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	R		Non-Turbo		250-24091		
1992-1991	2.0 L4	U		Turbo		250-24007		
1992-1989	2.0 L4	V		Vin V; Calif-ESV		250-22002		
1992-1989	2.0 L4	V		Vin V; Non Calif-ESV		250-21005		
1990-1989	2.0 L4	R		Vin R		250-24007		
2011-2007	2.4 L4	F	4G69		Cyl 1,2 Cyl 3,4	250-24662		250-24026
2006-2004	2.4 L4				Cyl 1,4 Cyl 2,3	250-24162 250-24662		250-24236 250-24026
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
<b>Lancer</b>								
2012-2011	2.0 L4	U	4B11	Calif-ESV		250-25084	250-24751	250-24742
2012-2011	2.0 L4	U	4B11	Non Calif-ESV		250-25084		250-24751
2011	2.0 L4	V	4B11	Turbo		250-24751		250-24751
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
2015-2013	2.4 L4	W	4B12			250-25083		250-24751
2014	2.4 L4			Calif-ESV		250-25084	250-24751	250-24742
2012-2011	2.4 L4	W	4B12	Calif-ESV		250-25084	250-24751	250-24742
2012	2.4 L4			Non Calif-ESV		250-24633	250-24751	250-24751
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
<b>Mighty Max</b>								
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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>mitsubishi (cont'd)</b>								
<b>Mighty Max (cont'd)</b>								
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		
<b>Mirage</b>								
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		
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		
<b>Montero</b>								
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					250-24242		250-24235
					Left	250-24631		250-24241
2001	3.5 V6				Right	250-24242		250-24241
					Left	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		
2016	3.8 V6					250-25130		250-24751
					Left	250-25130		250-24751
2006-2003	3.8 V6				Right	250-24242		250-24235
					Left	250-24631		250-24241
					Right			
<b>Montero Sport</b>								
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					250-24242		250-24235
					Left	250-24631		250-24239
2000-1999	3.0 V6			Calif-ESV	Left	250-24242		250-24235
				Calif-ESV	Right	250-24631		250-24239



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>MITSUBISHI (cont'd)</b>								
<b>Montero Sport (cont'd)</b>								
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
<b>Outlander</b>								
2017-2014	2.4 L4					250-25130		250-24751
2013-2011	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
2003	2.4 L4		4G64	FWD		250-24484		250-24232
2011-2007	3.0 V6	X	6B31		Left	250-24233	250-24241	•250-24742
					Right	250-24242	250-24236	
<b>Outlander Sport</b>								
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
<b>Precis</b>								
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		
<b>Raider</b>								
2009-2007	3.7 V6	K			Left	250-24253		250-24460
					Right	250-24460		250-24460
2006	3.7 V6	K			Left	250-24680		250-24460
					Right	250-24460		250-24253
2007	4.7 V8	N			Left	250-241117		250-24251
					Right	250-24251		250-24251
2006	4.7 V8	N			Left	250-241117		250-24251
					Right	250-24251		250-241117
<b>Sigma</b>								
1990-1989	3.0 V6	S		Calif-ESV		250-24229		
1990-1989	3.0 V6	S		Non Calif-ESV		250-22064		
<b>Starion</b>								
1989-1983	2.6 L4					250-21060		
<b>Tredia</b>								
1988-1983	1.8 L4	G	-			250-21005		
1988-1984	2.0 L4	D				250-21005		
<b>Van</b>								
1990-1987	2.4 L4					250-21007		
<b>NISSAN</b>								
<b>200SX</b>								
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		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>200SX (cont'd)</b>								
1988-1987	3.0 V6	H	VG30E			250-24506		
<b>240SX</b>								
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		
<b>280ZX</b>								
1983-1980	2.8 L6	H	L28E			250-21013		
<b>300ZX</b>								
1996	3.0 V6	C, R	VG30DE, VG30DETT		Left Right	250-23087 250-23087		250-24138 250-24138
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		
<b>350Z</b>								
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
<b>370Z</b>								
2019-2016	3.7 V6	-	VQ37VHR		Left Right	250-54105 250-54105		250-241106 250-241106
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
<b>720</b>								
1986	2.4 L4	N	Z24I			250-21013		
<b>810</b>								
1981-1980	2.4 L6	H	L24E			250-21013		
<b>Almera</b>								
2004	1.8 L4		QG18DE			250-24453		250-24453
<b>Altima</b>								
2019	2.0 L4		KR20DDET					250-241255
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	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
1995-1994	2.4 L4	B	KA24DE			250-21013		250-23505
1993	2.4 L4	B	KA24DE			250-21013		250-23505
2019	2.5 L4		PR25DD			250-54127		
2018-2016	2.5 L4		QR25DE	Calif-ESV		250-54103		250-241106
2018	2.5 L4		QR25DE	Non Calif-ESV		250-54126		250-241106
2017-2016	2.5 L4		QR25DE			250-54126		250-241106
2017-2014	2.5 L4		QR25DE	Non Calif-ESV		250-54102		250-241106
2015	2.5 L4		QR25DE	Calif-ESV-ESV		250-54103		250-241106
2014	2.5 L4		QR25DE	Calif-ESV		250-54103		250-241106
2013	2.5 L4		QR25DE	Coupe, Calif-ESV: After Primary Cat			250-24771	



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>Altima (cont'd)</b>								
2013	2.5 L4		QR25DE	Coupe, Calif-ESV; After Secondary Cat				250-24794
2013	2.5 L4		QR25DE	Coupe, Calif-ESV; Before Primary Cat		250-54035		
2013	2.5 L4		QR25DE	Coupe, Non Calif-ESV		250-54082		250-24794
2013	2.5 L4		QR25DE	Sedan, Calif-ESV		250-54103		250-241106
2013	2.5 L4		QR25DE	Sedan, Non Calif-ESV		250-54102		250-241106
2012-2011	2.5 L4		QR25DE	Non Calif-ESV		250-54082		250-24771
2012	2.5 L4		QR25DE	Calif-ESV		250-54035	250-24771	250-24794
2011-2009	2.5 L4		QR25DE	Hybrid; Before Primary Cat		250-54037		
2011-2007	2.5 L4		QR25DE	Hybrid; After Primary Cat			250-24771	
2011-2007	2.5 L4		QR25DE	Hybrid; After Secondary Cat				250-24794
2011	2.5 L4		QR25DE	Calif-ESV		250-54035		250-24794
2010-2007	2.5 L4		QR25DE	Calif-ESV; After Primary Cat			250-24771	
2010-2007	2.5 L4		QR25DE	Calif-ESV; After Secondary Cat				250-24794
2010-2007	2.5 L4		QR25DE	Calif-ESV; Before Primary Cat		250-54035		
2010-2007	2.5 L4		QR25DE	Non Calif-ESV		250-54037		250-24771
2008-2007	2.5 L4		QR25DE	Hybrid; Before Primary Cat		250-54109		
2006-2004	2.5 L4		QR25DE			250-25005		250-24448
2003-2002	2.5 L4		QR25DE			250-24452		250-24403
2017-2016	3.5 V6		VQ35DE		Front	250-54105		250-241106
					Rear	250-54105		250-241106
2015	3.5 V6		VQ35DE		Front	250-54105		250-241151
					Rear	250-54105		250-241151
2014-2013	3.5 V6				Front	250-54102		250-241108
					Rear	250-54102		250-241106
2012-2011	3.5 V6		VQ35DE		Front	250-54035		250-24771
					Rear	250-54035		250-24741
2010-2008	3.5 V6		VQ35DE		Front	250-54037		250-24771
					Rear	250-54109		250-24741
2007	3.5 V6		VQ35DE		Front	250-54108		250-24771
					Rear	250-54108		250-24741
2006-2005	3.5 V6		VQ35DE		Front	250-25005		250-24403
					Rear	250-25005		250-24448
2004	3.5 V6		VQ35DE	From 1/2004	Front	250-25005		250-24403
				From 1/2004	Rear	250-25005		250-24448
2004	3.5 V6		VQ35DE	To 1/2004	Front	250-23131		250-24457
				To 1/2004	Rear	250-23131		250-24437
2003-2002	3.5 V6		VQ35DE		Front	250-23131		250-24457
					Rear	250-23131		250-24437
<b>Aprio</b>								
2010-2008	1.6 L4					250-241102		
<b>Armada</b>								
2019-2017	5.6 V8		VK56VD		Left	250-54105		250-241107
					Right	250-54105		250-241107
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
2006-2005	5.6 V8		VK56DE	With OE Headers	Left	250-25005		250-24453
				With OE Headers	Right	250-25005		250-24453
<b>Axxess</b>								
1990	2.4 L4	H	KA24E			2WD		250-21011
1990	2.4 L4	H	KA24E			4WD		250-21013
<b>Cube</b>								
2014-2012	1.8 L4		MR18DE			Calif-ESV		250-54089
2014	1.8 L4					Non Calif-ESV		250-54102
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
<b>D21</b>								
1994-1987	2.4 L4	-, N	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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>Frontier</b>								
2015-2013	2.4 L4		KA24DE			250-54102		250-241105
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
2019-2013	2.5 L4		QR25DE			250-54102		250-24951
2012-2005	2.5 L4		QR25DE			250-25005		250-24951
2004	3.3 V6		VG33E, VG33ER		Left	250-23157		250-24867
					Right	250-23156		250-24868
2003	3.3 V6		VG33E, VG33ER		Left	250-23109		250-24632
					Right	250-23089		250-24102
2002-2001	3.3 V6		VG33E, VG33ER		Left	250-23109		250-24102
					Right	250-23089		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	250-23109		250-24632
					Right	250-23089		250-24102
2019-2016	4.0 V6		VQ40DE		Left	250-54105		250-241105
					Right	250-54105		250-241105
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
2010-2009	4.0 V6		VQ40DE		Left	250-54037		250-24951
					Right	250-54037		250-24403
2008-2007	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
<b>GT-R</b>								
2019-2009	3.8 V6		VR38DETT		Left	250-54035		250-24771
					Right	250-54035		250-24771
<b>Juke</b>								
2017-2016	1.6 L4		MR16DDT			250-54119		250-241151
2015	1.6 L4		MR16DDT	From 10/2014		250-54119		250-241151
2015	1.6 L4		MR16DDT	Nismo RS		250-54103		250-241106
2015	1.6 L4		MR16DDT	To 10/14		250-54103		250-241106
2014-2011	1.6 L4		MR16DDT			250-54103		250-241106
<b>Kicks</b>								
2019-2018	1.6 L4		HR16DE			250-54122		250-241255
2017	1.6 L4		HR16DE			250-54122		250-241255
<b>March</b>								
2017-2012	1.6 L4		HR16DE			250-54102		250-241104
<b>Maxima</b>								
1984-1981	2.4 L6	H	L24E			250-21013		
2001	3.0 V6		VQ30DE		Front	250-23121		250-24284
					Rear	250-23133		250-24286
2000	3.0 V6		VQ30DE	Calif-ESV	Front	250-23121		250-24284
				Calif-ESV	Rear	250-23133		250-24286
2000	3.0 V6		VQ30DE	Non Calif-ESV	Front	250-23133		•250-24479
				Non Calif-ESV	Rear	250-23133		
1999	3.0 V6		VQ30DE	Calif-ESV	Front	250-23089		250-24284
				Calif-ESV	Rear	250-23104		250-24286
1999	3.0 V6		VQ30DE	Non Calif-ESV	Front	250-23104		•250-24397
				Non Calif-ESV	Rear	250-23104		
1998	3.0 V6	C	VQ30DE	From 6/98, Calif-ESV	Front	250-23089		250-24284
				From 6/98, Calif-ESV	Rear	250-23104		250-24286
1998	3.0 V6	C	VQ30DE	From 6/98, Non Calif-ESV	Front	250-23104		•250-24397
				From 6/98, Non Calif-ESV	Rear	250-23104		
1998	3.0 V6	C	VQ30DE	To 6/98	Front	250-23104		•250-24397
				To 6/98	Rear	250-23104		
1997	3.0 V6	C	VQ30DE		Front	250-23104		•250-24397
					Rear	250-23104		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>Maxima (cont'd)</b>								
1996	3.0 V6	C	VQ30DE	From 07/96	Front	250-23104		•250-23521
				From 07/96	Rear	250-23104		
1996	3.0 V6	C	VQ30DE	To 07/96	Front	250-23104		•250-23505
				To 07/96	Rear	250-23104		
1995	3.0 V6	C	VQ30DE		Front	250-23104		•250-23505
					Rear	250-23104		
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		
2019-2015	3.5 V6		VQ35DE		Front	250-54105		250-241151
					Rear	250-54105		250-241151
2014	3.5 V6				Front	250-54102		250-24771
					Rear	250-54102		250-24741
2013-2010	3.5 V6		VQ35DE		Front	250-54035		250-24771
					Rear	250-54035		250-24741
2009	3.5 V6		VQ35DE		Front	250-54037		250-24771
					Rear	250-54109		250-24741
2008	3.5 V6		VQ35DE		Front	250-25005		250-24448
					Rear	250-25005		250-24448
2007-2004	3.5 V6		VQ35DE		Front	250-25005		250-24448
					Rear	250-25005		250-24403
2003-2002	3.5 V6		VQ35DE		Front	250-23131		250-24285
					Rear	250-23131		250-24418
<b>Micra</b>								
2007-2005	1.4 L4		CR14DE					250-24453
<b>Murano</b>								
2019-2015	3.5 V6	A	VQ35DE		Front	250-54105		250-241151
					Rear	250-54105		250-241151
2014-2012	3.5 V6			AWD	Front	250-54102		250-241108
				AWD	Rear	250-54102		250-241108
2014-2012	3.5 V6			FWD	Front	250-54102		250-241106
				FWD	Rear	250-54102		250-241108
2011	3.5 V6			AWD	Front	250-54102		250-24741
				AWD	Rear	250-54102		250-24741
2011	3.5 V6			FWD	Front	250-54102		250-24771
				FWD	Rear	250-54102		250-24741
2010-2009	3.5 V6	A	VQ35DE		Front	250-54036		250-24771
					Rear	250-54036		250-24741
2007-2004	3.5 V6		VQ35DE		Front	250-25005		250-24448
					Rear	250-25005		250-24448
2003	3.5 V6		VQ35DE		Front	250-24452		250-24448
					Rear	250-24452		250-24448
<b>Note</b>								
2017-2015	1.6 L4		HR16DE			250-54102		250-241104
<b>NP300</b>								
2015	2.4 L4		KA24DE			250-23075		250-24437
<b>NP300 Frontier</b>								
2017-2016	2.5 L4		QR25			250-54102		250-24951
<b>NV200</b>								
2019-2013	2.0 L4		MR20DE			250-54102		250-241108
<b>NV350 Urvan</b>								
2017-2014	2.5 L4		QR25			250-54102		250-24951
<b>NV1500</b>								
2019-2012	4.0 V6		VQ40DE		Left	250-54102		250-24951
					Right	250-54102		250-24403
<b>NV2500</b>								
2019-2012	4.0 V6		VQ40DE		Left	250-54102		250-24951
					Right	250-54102		250-24403
2019-2018	5.6 V8		VK56VD		Left	250-54105		250-241107
					Right	250-54105		250-241107
2017-2012	5.6 V8		VK56DE		Left	250-54103		250-24771
					Right	250-54103		250-24771



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>NV3500</b>								
2019-2012	4.0 V6		VQ40DE		Left Right	250-54102 250-54102		250-24951 250-24403
2019-2018	5.6 V8		VK56VD		Left Right	250-54105 250-54105		250-241107 250-241107
2017-2012	5.6 V8		VK56DE		Left Right	250-54103 250-54103		250-24771 250-24771
<b>NX</b>								
1993-1991	1.6 L4	E	GA16DE			250-21013		
1993-1991	2.0 L4	G	SR20DE			250-23089		
<b>Pathfinder</b>								
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	-	VG33E		Left Right	250-23109 250-23089		250-24101 250-24102
2019-2016	3.5 V6		VQ35DD, VQ35DE		Left Right	250-54105 250-54105		250-241151 250-241151
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
2014-2013	3.5 V6				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 From 08/2000	Left Right	250-23122 250-23131		250-24449 250-24285
2001	3.5 V6		VQ35DE	To 08/2000 To 08/2000	Left Right	250-23135 250-23133		250-24435 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
<b>Pathfinder Armada</b>								
2004	5.6 V8		VK56DE		Left Right	250-25005 250-25005		250-24453 250-24453
<b>Pickup</b>								
1987	1.8 L4		J18			250-21013		
2009	2.4 L4		KA24DE			250-23131		250-24425
2008-2007	2.4 L4		KA24DE			250-23075		250-24437
1997	2.4 L4		KA24E			250-23075		250-24632
1996	2.4 L4		KA24E	From 1/96		250-23075		250-24632
1996	2.4 L4		KA24E	To 1/96		250-21013		
1995	2.4 L4		KA24E			250-21013		
1995	3.0 V6	H	VG30E			250-23093		
<b>Platina</b>								
2010-2002	1.6 L4					250-24585		250-24585
<b>Pulsar</b>								
1983	1.6 L4	P	E16			250-21013		
<b>Pulsar NX</b>								
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.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>Quest</b>								
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
2017-2016	3.5 V6		VQ35DE		Front	250-54105		250-241151
					Rear	250-54105		250-241210
2015	3.5 V6		VQ35DE		Front			250-241106
					Front			250-241151
2015	3.5 V6		VQ35DE		Front	250-54102		
					Rear			250-241108
2015	3.5 V6		VQ35DE		Rear	250-54102		250-241210
					Rear	250-54105		
2014-2012	3.5 V6				Front	250-54102		250-241106
					Rear	250-54102		250-241108
2011	3.5 V6				Front	250-54102		250-24771
					Rear	250-54102		250-24741
2009-2004	3.5 V6		VQ35DE		Front	250-25005		250-24403
					Rear	250-25005		250-24448
<b>Rogue</b>								
2019-2017	2.0 L4		MR20DD	Hybrid		250-54105		250-241151
2019	2.5 L4	-	QR25DE	USA Built Vehicle		250-54122		250-241105
2018	2.5 L4	-	QR25DE	USA Built Vehicle; From 09/2017		250-54122		
2018	2.5 L4	-	QR25DE	USA Built Vehicle; To 09/2017		250-54120		250-241105
2017-2015	2.5 L4	-	QR25DE	USA Built Vehicle		250-54120		250-241105
2014	2.5 L4	-	QR25DE			250-54120		250-241105
2013-2011	2.5 L4		QR25DE	Non Calif-ESV		250-54035		250-24741
2013	2.5 L4		QR25DE	Calif-ESV		250-54035	250-24741	250-24794
2012-2008	2.5 L4		QR25DE	Calif-ESV; After Primary Cat			250-24741	
2012-2008	2.5 L4		QR25DE	Calif-ESV; After Secondary Cat				250-24794
2012-2008	2.5 L4		QR25DE	Calif-ESV; Before Primary Cat		250-54035		
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
<b>Rogue Select</b>								
2015-2014	2.5 L4		QR25DE			250-54035		250-24741
<b>Rogue Sport</b>								
2019-2017	2.0 L4		MR20DD			250-54105		250-241107
<b>Sentra</b>								
1983-1982	1.5 L4	H, M	E15S			250-21013		
2019-2017	1.6 L4		MR16DDT			250-54119		250-241151
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		
2017-2014	1.8 L4		MRA8DE	Non Calif-ESV		250-54102		250-241107
2017-2013	1.8 L4		MRA8DE	Calif-ESV		250-54105		250-241107
2013	1.8 L4		MRA8DE	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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>Sentra (cont'd)</b>								
2002	1.8 L4		QG18DE	Exc. CA Series Exc. CA Series	Left Right	250-24454 250-24452		250-24285 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 Exc. CA Series, w/ Mid Year Emissions	Left Right	250-23131 250-23131		250-24456 250-24285
2001	1.8 L4		QG18DE	Exc. CA Series, w/o Mid Year Emissions Exc. CA Series, w/o Mid Year Emissions	Left Right	250-23121 250-23121		250-24436 250-24284
2000	1.8 L4		QG18DE	Exc. CA Series Exc. CA Series	Left Right	250-23121 250-23121		250-24436 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
2001-1996	2.0 L4					250-23089		250-24401
1994-1991	2.0 L4	G	SR20DE			250-23089		
2012-2011	2.5 L4		QR25DE			250-54037		250-24741
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
<b>Stanza</b>								
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		
<b>Tiida</b>								
2017-2013	1.6 L4					250-54102		250-241104
2017-2007	1.8 L4		MR18DE			250-24741		250-24741
<b>Titan</b>								
2019-2017	5.6 V8		VK56VD		Left Right	250-54105 250-54105		250-241107 250-241107
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
2006-2004	5.6 V8		VK56DE	With OE Headers With OE Headers	Left Right	250-25005 250-25005		250-24453 250-24453
<b>Titan XD</b>								
2019-2016	5.6 V8		VK56VD		Left Right	250-54105 250-54105		250-241107 250-241107
<b>Tsuru</b>								
2017-2005	1.6 L4		GA16DNE			250-24437		250-24437
2004-2003	1.6 L4					250-23075		250-24103
2002-1996	1.6 L4					250-21013		250-24103
1995-1986	1.6 L4		E16, GA16DE			250-21013		
1996	2.0 L4					250-23089		250-24401
1995-1993	2.0 L4		SR20DE			250-23089		
<b>Urvan</b>								
2008-2005	2.4 L4		KA24DE			250-24450		250-24401
2004-2002	2.4 L4		KA24DE			250-24771		250-24771
2013-2008	2.5 L4		QR25DE			250-24741		250-24401
<b>Van</b>								
1988-1987	2.4 L4	S	Z24I			250-21013		
<b>Versa</b>								
2019	1.6 L4		HR16DE	From 08/2018		250-54122		250-241255
2019	1.6 L4		HR16DE	To 08/2018		250-54102		250-241104
2018-2012	1.6 L4	-	HR16DE			250-54102		250-241104
2011-2009	1.6 L4		HR16DE			250-54037		250-24741



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>NISSAN (cont'd)</b>								
<b>Versa (cont'd)</b>								
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
<b>Versa Note</b>								
2019-2018	1.6 L4		HR16DE			250-54122		250-241255
2017-2014	1.6 L4	-	HR16DE			250-54102		250-241104
<b>Xterra</b>								
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
2005	2.5 L4		QR25DE			250-25005		250-24951
2004	3.3 V6		VG33E, VG33ER			250-23157		250-24867
					Left	250-23156		250-24868
2003-2000	3.3 V6		VG33E, VG33ER			250-23109		250-24632
					Right	250-23089		250-24102
2015	4.0 V6		VQ40DE	From 08/2014		250-54105		250-241105
				From 08/2014		250-54105		250-241105
2015	4.0 V6		VQ40DE	To 08/2014		250-54102		250-241105
				To 08/2014		250-54102		250-241105
2014-2013	4.0 V6					250-54102		250-241105
						250-54102		250-241105
2012-2011	4.0 V6		VQ40DE			250-54035		250-24951
						250-54035		250-24403
2010-2008	4.0 V6		VQ40DE			250-54037		250-24951
						250-54037		250-24403
2007	4.0 V6		VQ40DE			250-54109		250-24951
						250-54109		250-24403
2006-2005	4.0 V6		VQ40DE			250-25005		250-24951
						250-25005		250-24403
<b>X-Trail</b>								
2017-2012	2.5 L4		QR25DE			250-24452		250-24452
2007-2004	2.5 L4		QR25DE			250-24452		250-24452
<b>OLDSMOBILE</b>								
<b>88</b>								
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		
<b>98</b>								
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		
<b>Achieva</b>								
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		
<b>Alero</b>								
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				250-24269		•250-24617
					Front	250-24269		
					Rear	250-24269		
2003-2001	3.4 V6	E				250-24269		250-24617
2000-1999	3.4 V6	E				250-24018		250-24617

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>OLDSMOBILE (cont'd)</b>								
<b>Aurora</b>								
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			Rear	250-24018	250-24340	
1997-1996	4.0 V8	C			Front	250-24018		•250-24340
1995	4.0 V8	C			Front Front Rear	250-24006 250-24006 250-24006		
<b>Bravada</b>								
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						•250-24012
2001-1996	4.3 V6	W			Left	250-24012		
1997-1996	4.3 V6	W			Right	250-24012	250-24012	•250-24012
1994-1992	4.3 V6	W, Z				250-24012		
1991	4.3 V6	Z			Left	250-23005 250-21001		
<b>Calais</b>								
1987	2.3 L4	D				250-21001		
1987-1985	2.5 L4	U				250-21001		
1987-1985	3.0 V6	L				250-21001		
<b>Custom Cruiser</b>								
1992-1982	5.0 V8					250-21001		
1992	5.7 V8					250-21001		
1980	5.7 V8	R				250-22001		
<b>Cutlass</b>								
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		
<b>Cutlass Calais</b>								
1991-1988	2.3 L4					250-21001		
1991-1988	2.5 L4					250-21001		
1988	3.0 V6					250-21001		
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		
<b>Cutlass Ciera</b>								
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		
<b>Cutlass Cruiser</b>								
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		





Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>OLDSMOBILE (cont'd)</b>								
<b>Cutlass Cruiser (cont'd)</b>								
1981	5.0 V8					250-22001		
<b>Cutlass Salon</b>								
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		
<b>Cutlass Supreme</b>								
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		
<b>Delta 88</b>								
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		
<b>Firenza</b>								
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		
<b>Intrigue</b>								
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
<b>LSS</b>								
1999-1997	3.8 V6	1, K				250-24018		250-24340
1996	3.8 V6	1, K				250-24012		250-24340
<b>Omega</b>								
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		
<b>Regency</b>								
1998-1997	3.8 V6	K				250-24018		250-24340
<b>Silhouette</b>								
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		
<b>Starfire</b>								
1980	2.5 L4	V				250-22001		
1980	3.8 V6	A				250-22001		
<b>Toronado</b>								
1992-1986	3.8 V6					250-21001		
1984-1982	4.1 V6	4				250-21001		



# APPLICATION GUIDE

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>OLDSMOBILE (cont'd)</b>								
<b>Toronado (cont'd)</b>								
1985-1982	5.0 V8	Y				250-21001		
1981	5.0 V8	Y				250-22001		
1980	5.7 V8	R				250-22001		
<b>PEUGEOT</b>								
<b>301</b>								
2017	1.6 L4					250-241166		250-241166
<b>405</b>								
1991-1989	1.9 L4					250-24030		
<b>407</b>								
2008-2006	2.2 L4		EW12 J4			250-241058		250-24921
<b>504</b>								
1979	2.0 L4			w/ OEM # 1629S10		250-21011		
1979	2.0 L4			w/ OEM # 1630T63		250-21015		
1979	2.0 L4			w/ OEM # 1631501		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		
<b>505</b>								
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		
<b>Manager</b>								
2014	3.0 L4					250-25034		
<b>PLYMOUTH</b>								
<b>Acclaim</b>								
1995-1989	2.5 L4					250-24004		
1995-1989	3.0 V6					250-24004		
<b>Breeze</b>								
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
<b>Caravelle</b>								
1988-1987	2.2 L4	D, E				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		
<b>Colt</b>								
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		



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PLYMOUTH (cont'd)</b>								
<b>Colt (cont'd)</b>								
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		
<b>Conquest</b>								
1986-1984	2.6 L4					250-21060		
<b>Grand Voyager</b>								
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		
<b>Gran Fury</b>								
1983-1980	3.7 L6					250-21002		
1989-1982	5.2 V8	4, K, L, M, N, P, R, S				250-21002		
1981	5.2 V8			Eng. Vin K, L, M, N		250-21002		
1980	5.2 V8			Eng. Vin G, H		250-21002		
1980	5.9 V8					250-21002		
<b>Horizon</b>								
1986-1983	1.6 L4					250-21002		
1983-1980	1.7 L4					250-21002		
1990-1989	2.2 L4	D				250-24004		
1988	2.2 L4	D				250-23003		
1987-1981	2.2 L4	C				250-21002		
<b>Laser</b>								
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		
<b>Neon</b>								
2001-2000	2.0 L4			w/ Ultra-Low Emissions				250-24942
2001-2000	2.0 L4			w/ Ultra-Low Emissions		250-24946		
2000-1997	2.0 L4		ECB, ECC	w/o Ultra-Low Emissions				250-24945
2000-1997	2.0 L4		ECB, ECC	w/o Ultra-Low Emissions		250-24942		
1996-1995	2.0 L4		ECB, ECC			250-24004		250-24013



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PLYMOUTH (cont'd)</b>								
<b>PB100</b>								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
<b>PB150</b>								
1983-1981	3.7 L6					250-21002		
1983	5.2 V8					250-21002		
1981	5.2 V8					250-21002		
<b>PB200</b>								
1980	3.7 L6					250-21002		
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>PB250</b>								
1983-1981	3.7 L6					250-21002		
1983-1981	5.2 V8					250-21002		
1981	5.9 V8					250-21002		
<b>PB300</b>								
1980	5.2 V8					250-21002		
1980	5.9 V8					250-21002		
<b>PB350</b>								
1983-1981	5.2 V8					250-21002		
1983-1981	5.9 V8					250-21002		
<b>Prowler</b>								
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
<b>Reliant</b>								
1989	2.2 L4	D				250-24004		
1988-1987	2.2 L4	D				250-23003		
1986-1981	2.2 L4	C				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		
<b>Scamp</b>								
1983	2.2 L4					250-21002		
<b>Sundance</b>								
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		
<b>TC3</b>								
1982-1980	1.7 L4	A				250-21002		
1982-1981	2.2 L4	B				250-21002		
<b>Trailduster</b>								
1980	3.7 L6					250-21002		
1981-1980	5.2 V8					250-21002		
1981-1980	5.9 V8					250-21002		
<b>Turismo</b>								
1986-1983	1.6 L4	A				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		
<b>Turismo 2.2</b>								
1986-1983	2.2 L4	8, C				250-21002		
<b>Volare</b>								
1980	3.7 L6				Calif-ESV	250-21002		
1980	5.2 V8				Calif-ESV	250-21002		
1980	5.9 V8				Calif-ESV	250-21002		
<b>Voyager</b>								
1987-1984	2.2 L4					250-21002		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PLYMOUTH (cont'd)</b>								
<b>Voyager (cont'd)</b>								
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
<b>PONTIAC</b>								
<b>6000</b>								
1991-1982	2.5 L4	R				250-21001		
1989-1982	2.8 V6					250-21001		
1991-1988	3.1 V6	T				250-21001		
<b>Aztek</b>								
2005	3.4 V6	E				250-24269		250-24836
2004-2001	3.4 V6	E				250-24269		250-24340
<b>Bonneville</b>								
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			Rear	250-24470		
2005-2004	4.6 V8	Y			Front	250-24470		•250-24267
1980	4.9 V8	W				250-22001		
1986-1983	5.0 V8	H				250-21001		
1981	5.0 V8	Y				250-22001		
1980	5.7 V8	R, X				250-22001		
<b>Catalina</b>								
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		
<b>Fiero</b>								
1988-1984	2.5 L4	R				250-21001		
1988-1985	2.8 V6	9				250-21001		
<b>Firebird</b>								
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				250-21001		
2002-2001	3.8 V6	K			Left	250-24018		
2002-2001	3.8 V6	K			Right	250-24018		
2002-2001	3.8 V6	K			Right	250-24018		•250-24340
2000-1998	3.8 V6	K		2 Wire Sensor in Manifold	Left	250-24018		
2000-1998	3.8 V6	K		2 Wire Sensor in Manifold	Right	250-22013		•250-24340
2000-1998	3.8 V6	K		2 Wire Sensor in Manifold	Left	250-22013		
2000-1998	3.8 V6	K		4 Wire Sensor in Manifold	Right	250-24018		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PONTIAC (cont'd)</b>								
<b>Firebird (cont'd)</b>								
2000-1998	3.8 V6	K		4 Wire Sensor in Manifold 4 Wire Sensor in Manifold	Left Right	250-24018 250-24018		•250-24340
1997	3.8 V6	K					250-24340	•250-24340
1997	3.8 V6	K			Left Right	250-24018 250-24012		
1996-1995	3.8 V6	K					250-24340	•250-24340
1996	3.8 V6	K			Left	250-24012		
1995	3.8 V6	K			Left	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			Right	250-24012	250-24340	•250-24340
1997-1996	5.7 V8	P						
1995-1994	5.7 V8	P			Left Left Right	250-24012 250-24012 250-24012		
1993	5.7 V8	P			Left Right	250-21001 250-21001		
1992-1987	5.7 V8	8				250-21001		
<b>G3</b>								
2010-2009	1.6 L4	E	LXV			250-24851		250-24850
<b>G5</b>								
2009-2007	2.2 L4	F, H	L61, LAP			250-24470		250-24354
2008-2007	2.4 L4	B				250-24470		250-24354
<b>G6</b>								
2010	2.4 L4	B		4-Speed Trans		250-24704		250-24708
2009	2.4 L4	B		6-Speed Trans		250-24704		250-24708
2009	2.4 L4	B				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			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
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
<b>G8</b>								
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
<b>Grand Am</b>								
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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PONTIAC (cont'd)</b>								
<b>Grand Am (cont'd)</b>								
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		
<b>Grand LeMans</b>								
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		
<b>Grand Prix</b>								
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		●250-24340
1995-1994	3.1 V6	M			Front 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, V				250-21001		
1996	3.4 V6	X			Front Rear	250-24012		●250-24340
1995-1994	3.4 V6	X			Front Rear	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		
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
<b>GTO</b>								
2004	5.7 V8				Left Right	250-24470		250-24490
2006-2005	6.0 V8	U			Left Right	250-24470		250-24490
2006-2005	6.0 V8	U				250-24470		250-24490
2006-2005	6.0 V8	U				250-24470		250-24490
<b>J2000</b>								
1983-1982	1.8 L4	0, G				250-21001		
1982	1.8 L4	0				250-22001		
1983	2.0 L4	P				250-21001		
<b>J2000 Sunbird</b>								
1985-1984	1.8 L4	0, J				250-21001		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PONTIAC (cont'd)</b>								
<b>J2000 Sunbird (cont'd)</b>								
1985-1984	2.0 L4	P				250-21001		
<b>LeMans</b>								
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		
<b>Montana</b>								
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
<b>Parisiene</b>								
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		
<b>Phoenix</b>								
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		
<b>Safari</b>								
1989-1987	5.0 V8	Y				250-21001		
<b>Solstice</b>								
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
<b>Sunbird</b>								
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		
<b>Sunfire</b>								
2005-2002	2.2 L4	4, 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		250-24616
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
<b>T1000</b>								
1987-1981	1.6 L4	9, C				250-21001		
<b>Torrent</b>								
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		250-24773
						250-24324		250-24773
<b>Trans Sport</b>								
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		
<b>Vibe</b>								
2010-2009	1.8 L4	8	LAY			250-54006		250-24188





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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PONTIAC (cont'd)</b>								
<b>Vibe (cont'd)</b>								
2008-2007	1.8 L4	8	1ZZ-FE			250-54006		250-24486
2006-2005	1.8 L4	8	1ZZ-FE	FWD		250-54006		250-24486
2006-2004	1.8 L4	L	2ZZGE			250-24796		250-24486
2006-2003	1.8 L4	8	1ZZ-FE	AWD		250-24777		250-24298
2004-2003	1.8 L4	8	1ZZ-FE	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
<b>PORSCHE</b>								
<b>718 Boxster</b>								
2018-2017	2.0 H4		DDPB		Right	250-25129		
2018-2017	2.0 H4		DDPB		Left	250-25118		250-241207
2018-2017	2.5 H4	B	DDNC		Right	250-25129		
2018-2017	2.5 H4	B	DDNC		Left	250-25118		250-241207
<b>718 Cayman</b>								
2018	2.0 H4		DDPB		Right	250-25129		
2018	2.0 H4		DDPB		Left	250-25118		250-241207
2017	2.0 H4		DDPB		Left Right	250-25118 250-25129		250-241207
2018	2.5 H4	B	DDNC		Right	250-25129		
2018	2.5 H4	B	DDNC		Left	250-25118		250-241207
2017	2.5 H4		DDNC		Left Right	250-25118 250-25129		250-241207 250-241207
<b>911</b>								
2018-2017	3.0 H6		DCHA, DCJA, DCKA		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		A104		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		A102		Left Right	250-25031 250-25031		250-24854 250-24854
2011	3.6 H6		9770R	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
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	3.6 H6	B, C		3 Wire Sensor		250-23060		
1994	3.6 H6	B		4 Wire Sensor		250-24163		
1993-1989	3.6 H6	B, C				250-23060		
2019-2014	3.8 H6		A171, DABA, DBCA, DBC B, DHNA		Left Right	250-25035 250-25035		250-24854 250-24854



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PORSCHE (cont'd)</b>								
<b>911 (cont'd)</b>								
2016-2014	3.8 H6		A175		Left Right	250-25033 250-25033		250-24712 250-24712
2016-2013	3.8 H6		A103		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		9777, 9777R	GT3, GT3 RS GT3, GT3 RS	Left Right	250-25031 250-25031		250-24682 250-24682
2011	3.8 H6		A103, MA1.01	Carrera (4S,GTS), Speedster, Targa 4s Carrera (4S,GTS), Speedster, Targa 4s	Left Right	250-25031 250-25031		250-24854 250-24854
2011	3.8 H6		MA1.01	Carrera S Carrera S	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
2019-2016	4.0 H6		A176, DGGA, DGGB		Left Right	250-25033 250-25033		250-24712 250-24712
2011	4.0 H6				Left Right	250-25031 250-25031		250-24682 250-24682
<b>918 Spyder</b>								
2015	4.6 V8	-	1800		Left Right	250-25073 250-25073		250-24854 250-24854
<b>924</b>								
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		
<b>928</b>								
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		
<b>944</b>								
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		
<b>968</b>								
1995-1992	3.0 L4	A				250-23029		
<b>Boxster</b>								
1999-1997	2.5 H6	A			Left Right	250-24423 250-24423		250-24423 250-24423
2016-2013	2.7 H6	-	A122		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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PORSCHE (cont'd)</b>								
<b>Boxster (cont'd)</b>								
2002-2000	3.2 H6				Left Right	250-24647 250-24647		250-24647 250-24647
2016-2013	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
2016	3.8 H6	-	DBXB		Left Right	250-25033 250-25033		250-24934 250-24934
<b>Carrera GT</b>								
2005-2004	5.7 V10		8001		Left Right	250-25006 250-25006		250-24648 250-24648
<b>Cayenne</b>								
2018-2011	3.0 V6	E	06EC, CGFA	Hybrid Hybrid	Left Right	250-25051 250-25049		250-24726 250-241258
2006-2004	3.2 V6	A			Left Right	250-25003 250-25007		250-24432 250-24432
2018-2016	3.6 V6	A	CEYA		Left Right	250-25035 250-25025		250-24955 250-24767
2018-2015	3.6 V6	-	CURA, CXZA		Left Right	250-25035 250-25033		250-24682 250-24682
2014	3.6 V6				Left Right	250-25035 250-25025		250-24955 250-24767
2013	3.6 V6		5502		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	5501		Cyl 1-3 Cyl 4-6	250-25034 250-25025		250-24699 250-24671
2008	3.6 V6	A	5501		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
2018-2011	4.8 V8	-, C	4852, CFTB, CYXA		Left Right	250-25035 250-25035		250-241010 250-241010
2014-2011	4.8 V8	B, D	4802		Left Right	250-25031 250-25031		250-241010 250-241010
2010-2009	4.8 V8	C	4851		Left Right	250-25035 250-25035		250-24682 250-24682
2010-2008	4.8 V8	B, D	4801		Left Right	250-25031 250-25031		250-24682 250-24682
2008	4.8 V8	C	4851		Left Right	250-25035 250-25035		250-24671 250-24699
<b>Cayman</b>								
2016-2014	2.7 H6	-	A122		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
2016-2014	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
2008-2006	3.4 H6				Left Right	250-25015 250-25015		250-24682 250-24682
2016	3.8 H6	-	DBXA		Left Right	250-25033 250-25033		250-24934 250-24934
<b>Macan</b>								
2018-2017	2.0 L4		CYNB		Left	250-25120		250-241143
2018-2015	3.0 V6		CTMA, DCNA		Left Right	250-25077 250-25033		250-241207 250-24648
2018-2015	3.6 V6		CTLA		Left Right	250-25077 250-25033		250-241207 250-24648
<b>Panamera</b>								
2016-2014	3.0 V6		CWDA		Left Right	250-25040 250-25031		250-24935 250-241147

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>PORSCHE (cont'd)</b>								
<b>Panamera (cont'd)</b>								
2016-2012	3.0 V6	-, D	CGFA		Left Right	250-25051 250-25049		250-24934 250-24934
2016-2011	3.6 V6	-	4620, 4640, CWAA		Left Right	250-25040 250-25073		250-24935 250-24934
2016-2010	4.8 V8	-	4820, 4840, 4870, CWBA, CWCA, CXPA		Left Right	250-25040 250-25073		250-24935 250-24934
<b>RAM</b>								
<b>700</b>								
2017-2015	1.6 L4		E.TorQ			250-241003		250-241003
<b>1500</b>								
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
2018-2017	5.7 V8	T	EZH		Right Right	250-24253 250-24680		250-24253 250-24460
2018-2017	5.7 V8	T	EZH		Left Left	250-24253 250-24460		250-24253
2016-2014	5.7 V8	T	EZH		Left Right	250-24460 250-24680		250-24253 250-24253
2016-2014	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	EZH		Left Right	250-24253 250-24253		250-24253 250-24460
2012	5.7 V8	T	EZH	Tradesman HD model only Tradesman HD model only	Left Right	250-24253 250-24253		250-24460 250-24680
2011	5.7 V8	T	EZH		Left Right	250-24253 250-24460		250-24253 250-24460
<b>1500 Classic</b>								
2019	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
<b>2500</b>								
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
<b>3500</b>								
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
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



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<b>RAM (cont'd)</b>								
<b>3500 (cont'd)</b>								
2012-2011	6.7 L6			Diesel		250-25034		250-25034
<b>4000</b>								
2017-2012	5.7 V8				Left Right	250-24253 250-24253		250-24680 250-24680
<b>4500</b>								
2020-2014	6.4 V8	J	ESB	Cab & Chassis Cab & Chassis	Left Right	250-24680 250-24680		250-24253 250-241035
2012-2011	6.7 L6	L	ETJ	Diesel		250-25034		250-25034
<b>5500</b>								
2020-2014	6.4 V8	J	ESB	Cab & Chassis Cab & Chassis	Left Right	250-24680 250-24680		250-24253 250-241035
<b>C/V</b>								
2015-2012	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24253
<b>Dakota</b>								
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
<b>ProMaster 1500</b>								
2014	3.0 L4	D	EXG	Diesel		250-25109		
2020-2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
<b>ProMaster 2500</b>								
2014	3.0 L4	D	EXG	Diesel		250-25109		
2020-2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
<b>ProMaster 3500</b>								
2014	3.0 L4	D	EXG	Diesel		250-25109		
2020-2014	3.6 V6	G	ERB		Left Right	250-24680 250-24680		250-24680 250-24680
<b>ProMaster City</b>								
2020-2015	2.4 L4	B, T	ED6			250-25128		250-24680
<b>RENAULT</b>								
<b>Alliance</b>								
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		
<b>Clio</b>								
2009-2002	1.6 L4					250-24585		250-24585
<b>Duster</b>								
2017-2013	2.0 L4		F4R			250-241102		250-241102
<b>Encore</b>								
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		
<b>Euro Clio</b>								
2008-2007	1.6 L4					250-241109		250-241109
<b>Fluence</b>								
2017-2015	2.0 L4					250-241102		250-241102
2011	2.0 L4					250-241102		250-241102
<b>Fuego</b>								
1984-1982	1.6 L4	B, C				250-21011		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>RENAULT (cont'd)</b>								
<b>Fuego (cont'd)</b>								
1985-1984	2.2 L4	F				250-21011		
<b>LeCar</b>								
1983-1980	1.4 L4	A				250-21011		
<b>R18i</b>								
1983-1981	1.6 L4	B				250-21011		
1986-1984	2.2 L4	F				250-21011		
<b>Sandero</b>								
2011-2010	1.6 L4					250-241109		250-241109
<b>Stepway</b>								
2017-2010	1.6 L4					250-241109		250-241109
<b>ROLLS-ROYCE</b>								
<b>Corniche II</b>								
1991	6.8 V8					250-24603		
<b>Corniche IV</b>								
1994	6.8 V8					250-24046		
<b>Silver Spirit</b>								
1995-1993	6.8 V8					250-24046		
1991	6.8 V8					250-24603		
<b>Silver Spur</b>								
1995-1993	6.8 V8					250-24046		
<b>SAAB</b>								
<b>9-2X</b>								
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
<b>9-3</b>								
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		B235R	From Chassis # 020001		250-24135		250-24135
1999	2.3 L4		B235R	To Chassis # 020000		250-24163		250-24135
2009-2006	2.8 V6	R, U	B284, B284R			250-25035		250-241125
<b>9-3X</b>								
2011-2010	2.0 L4	Y	B207R			250-24841		250-24353
<b>9-5</b>								
2011	2.0 L4		A20NFT			250-24698		250-24491
2009-2000	2.3 L4	E	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
<b>9-7x</b>								
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
					Right	250-24704		250-24950
2007	5.3 V8	M				250-24704		250-24950
					Left	250-24704		250-24339
					Right	250-24704		250-24339
2006	5.3 V8	M		1st Design - Downstream Square Connector		250-24704		250-24950
				1st Design - Downstream Square Connector		250-24704		250-24339
				2nd Design - Downstream Triangular Connector		250-24704		250-24950
				2nd Design - Downstream Triangular Connector		250-24704		250-24950

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<b>SAAB (cont'd)</b>								
<b>9-7x (cont'd)</b>								
2005	5.3 V8	M			Left Right	250-24470 250-24470		250-24836 250-24836
<b>99</b>								
1980	2.0 L4					250-21011		
<b>900</b>								
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		
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		
<b>9000</b>								
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		
<b>SATURN</b>								
<b>Astra</b>								
2008	1.8 L4	1	2H0			250-24765		250-24765
<b>Aura</b>								
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
<b>Ion</b>								
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
<b>L100</b>								
2002	2.2 L4					250-24273		250-24354
2001	2.2 L4	F	L61			250-22060		250-24350
<b>L200</b>								
2003-2002	2.2 L4	F	L61			250-24355		250-24354
2001	2.2 L4					250-22060		250-24350



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>SATURN (cont'd)</b>								
<b>L300</b>								
2004	2.2 L4					250-24273		250-24354
2005-2001	3.0 V6				Front Rear	250-25010 250-25010		250-24409 250-24353
<b>LS</b>								
2000	2.2 L4	F	L61			250-22060		250-24350
<b>LS1</b>								
2000	2.2 L4	F	L61			250-22060		250-24350
<b>LS2</b>								
2000	3.0 V6				Front Rear	250-25010 250-25010		250-24409 250-24353
<b>LW1</b>								
2000	2.2 L4	F	L61			250-22060		250-24350
<b>LW2</b>								
2000	3.0 V6				Front Rear	250-25010 250-25010		250-24409 250-24353
<b>LW200</b>								
2003-2002	2.2 L4	F	L61			250-24355		250-24354
2001	2.2 L4	F	L61			250-22060		250-24350
<b>LW300</b>								
2003-2001	3.0 V6	R			Front Rear	250-25010 250-25010		250-24409 250-24353
<b>Outlook</b>								
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
<b>Relay</b>								
2006-2005	3.5 V6	L				250-24470		250-24836
2007-2006	3.9 V6	1, W	LGD			250-24470		250-24836
<b>SC</b>								
1992-1991	1.9 L4	7				250-21029		
<b>SC1</b>								
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		
<b>SC2</b>								
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			Calif-ESV	250-21030		
1994	1.9 L4	7			Non Calif-ESV	250-21029		
1993	1.9 L4	7				250-21029		
<b>Sky</b>								
2010-2008	2.0 L4	X				250-25034		250-24745
2007	2.0 L4	X		1st Design - Downstream 16" Lead		250-25034		250-24727
2007	2.0 L4	X		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
<b>SL</b>								
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		
<b>SL1</b>								
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		
<b>SL2</b>								
2002-2000	1.9 L4	7				250-21028		250-24354
1999-1996	1.9 L4	7				250-21028		250-24618



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>SATURN (cont'd)</b>								
<b>SL2 (cont'd)</b>								
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		
1993-1991	1.9 L4	7				250-21029		
<b>SW1</b>								
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		
<b>SW2</b>								
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		
<b>Vue</b>								
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				Front	250-241125		250-241125
					Rear	250-241125		250-241125
2009-2008	3.5 V6	N			Front	250-24470		250-24736
					Rear	250-24470		250-24736
2007-2004	3.5 V6	4			Front	250-25001		250-24346
					Rear	250-25001		250-24391
2010-2008	3.6 V6	7			Front	250-24470		250-24708
					Rear	250-24470		250-24708
<b>SCION</b>								
<b>FR-S</b>								
2015-2013	2.0 H4		FA20			250-54084		250-24440
<b>iA</b>								
2016	1.5 L4		P5			250-25102		250-241177
<b>iQ</b>								
2015-2012	1.3 L4	J	1NR-FE			250-54066		250-24420
<b>tC</b>								
2010-2009	2.4 L4		2AZ-FE			250-54107		250-24420
2008-2005	2.4 L4		2AZ-FE			250-54007		250-24420
2015-2011	2.5 L4		2AR-FE			250-54084		250-24360
<b>xA</b>								
2006-2004	1.5 L4		1NZ-FE			250-24489		250-24298
<b>xB</b>								
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
<b>xD</b>								
2014-2010	1.8 L4	U	2ZR-FE			250-54066		250-24298
2009-2008	1.8 L4	U	2ZR-FE			250-54006		250-24298
<b>SEAT</b>								
<b>Cordoba</b>								
2009	1.6 L4					250-25062		250-24966
2009-2008	2.0 L4					250-24431		250-24966
<b>Exeo</b>								
2011	2.0 L4					250-25040		250-24966
<b>Freetrack</b>								
2015-2014	2.0 L4					250-25035		250-24672
<b>Ibiza</b>								
2017-2013	1.2 L4					250-24953		250-24966
2015	1.4 L4					250-24953		250-24966
2012-2011	1.4 L4					250-24953		250-24966
2016-2014	1.6 L4					250-24953		250-24966

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>SEAT (cont'd)</b>								
<b>Ibiza (cont'd)</b>								
2009	1.6 L4					250-24953		250-24966
2015-2009	2.0 L4					250-24953		250-24966
<b>Leon</b>								
2011-2010	1.8 L4					250-25035		250-24672
2004-2003	1.8 L4					250-25003		250-24869
2013-2010	2.0 L4					250-25035		250-24672
<b>Nuevo Ibiza</b>								
2010	2.0 L4					250-24953		250-24966
<b>Toledo</b>								
2017-2015	1.6 L4					250-25078		
2013	1.6 L4					250-25078		
<b>SMART</b>								
<b>Fortwo</b>								
2015-2008	1.0 L3		132.910			250-25042		250-24675
<b>SRT</b>								
<b>Viper</b>								
2014-2013	8.4 V10				Left Right	250-24680 250-24680		250-24460 250-24460
<b>STERLING</b>								
<b>825</b>								
1988-1987	2.5 V6	A, B, C, D				250-21009		
<b>827</b>								
1991-1989	2.7 V6	G, H, J, K				250-21009		
<b>SUBARU</b>								
<b>Ascent</b>								
2020-2019	2.4 H4	A	FA24			250-25152		250-241160
<b>B9 Tribeca</b>								
2007-2006	3.0 H6		EZ30D		Left Right	250-54114 250-54114		250-24487 250-24487
<b>Baja</b>								
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
<b>Brat</b>								
1987-1981	1.8 H4	5				250-21011		
<b>BRZ</b>								
2020-2013	2.0 H4	A	FA20D			250-54084		250-241270
<b>Crosstrek</b>								
2020-2016	2.0 H4		FB20, FB20V			250-54084		250-24487
2016	2.0 H4		FB20		Hybrid	250-54084		250-24487
<b>DL</b>								
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		
<b>Forester</b>								
2018-2014	2.0 H4		FA20F			250-25125		250-241160
2020-2013	2.5 H4		FB25BA, FB25BC, FB25D			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
2008-2005	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		250-24295
2004	2.5 H4		EJ255		Turbo	250-54058		250-24295
2003	2.5 H4		EJ251			250-54011		250-24295
2002-2000	2.5 H4	6	EJ251			250-25005		250-24295

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>SUBARU (cont'd)</b>								
<b>Forester (cont'd)</b>								
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
<b>GL</b>								
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		
<b>GL-10</b>								
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		
<b>GLF</b>								
1982-1981	1.8 H4	4				250-21011		
<b>Impreza</b>								
1997-1996	1.8 H4	1, 2				250-23088		250-23088
1995-1993	1.8 H4	2				250-23083		
2020-2012	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
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		EJ251			250-25005		250-24295
1999	2.5 H4		EJ253			250-23091		250-24295
1998	2.5 H4	6	EJ25D			250-23091		250-23088
<b>Justy</b>								
1994-1989	1.2 L3	7, 8				250-21016		
1988	1.2 L3	7, 8				250-21005		
1987	1.2 L3	7				250-21013		
<b>Legacy</b>								
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		
2020	2.4 H4	A	FA24			250-25152		250-241160
2020	2.5 H4		FB25D			250-54086		250-24487
2019-2013	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

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>SUBARU (cont'd)</b>								
<b>Legacy (cont'd)</b>								
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	250-54114		250-24487
					Right	250-54114		250-24487
2019-2015	3.6 H6		EZ36D		Left	250-54008		250-24487
					Right	250-54086		250-24487
2014-2010	3.6 H6		EZ36D		Left	250-54074		250-24487
					Right	250-54074		250-24487
<b>Loyale</b>								
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		
<b>Outback</b>								
2020	2.4 H4	G	FA24			250-25152		250-241160
2020	2.5 H4		FB25D			250-54086		250-24487
2019-2013	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	250-54114		250-24487
					Right	250-54114		250-24487
2005	3.0 H6		EZ30D			250-54114		250-24487
2004-2001	3.0 H6		EZ30D		Right	250-54002		
2004-2001	3.0 H6		EZ30D					•250-24440
2019-2015	3.6 H6		EZ36D		Left	250-54002		
					Right	250-54008		250-24487
						250-54086		250-24487
2014-2010	3.6 H6		EZ36D		Left	250-54074		250-24487
					Right	250-54074		250-24487
<b>RX</b>								
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		
<b>Standard</b>								
1987-1981	1.6 H4	2				250-21011		
1987	1.8 H4	5				250-21011		
1982-1981	1.8 H4	5				250-21011		
<b>SVX</b>								
1997-1996	3.3 H6	8			Right	250-23083		
1997-1996	3.3 H6	8						•250-23083
1995-1992	3.3 H6	3			Left	250-23083		
					Left	250-23083		
					Right	250-23083		
<b>Tribeca</b>								
2014-2010	3.6 H6		EZ36D		Left	250-54074		250-24487
					Right	250-54074		250-24487
2009-2008	3.6 H6		EZ36D		Left	250-54114		250-24487
					Right	250-54114		250-24487
<b>WRX</b>								
2020-2015	2.0 H4		FA20F			250-25125		250-241160



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<b>SUBARU (cont'd)</b>								
<b>WRX STI</b>								
2020-2015	2.5 H4		EJ257			250-54058		250-241270
2014	2.5 H4		EJ257			250-54079		250-241270
<b>XT</b>								
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		
<b>XV Crosstrek</b>								
2015-2013	2.0 H4		FB20			250-54084		250-24487
<b>SUZUKI</b>								
<b>Aerio</b>								
2003-2002	2.0 L4					250-24372		250-24291
2007-2004	2.3 L4					250-24372		250-24291
<b>Equator</b>								
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	250-54035		250-24403
					Right	250-54035		250-24951
2011	4.0 V6		VQ40DE		Left	250-54037		250-24403
					Right	250-54037		250-24951
2010	4.0 V6		VQ40DE	From 07/2010	Left	250-54035		250-24403
				From 07/2010	Right	250-54035		250-24951
2010	4.0 V6		VQ40DE	To 07/2007	Left	250-54037		250-24403
				To 07/2007	Right	250-54037		250-24951
2009	4.0 V6		VQ40DE		Left	250-54037		250-24403
					Right	250-54037		250-24951
<b>Esteem</b>								
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
<b>Forenza</b>								
2008-2006	2.0 L4					250-24628		250-24183
2005-2004	2.0 L4					250-24384		250-241126
<b>Grand Vitara</b>								
2013-2009	2.4 L4	0	J24B			250-54034		250-24333
2005-2001	2.5 V6				Left	250-24372		250-241120
					Right	250-24372		250-241120
2000-1999	2.5 V6				Left	250-24049		250-24407
					Right	250-24049		250-24407
2008-2007	2.7 V6				Left	250-54070		250-24291
					Right	250-54070		250-24291
2006	2.7 V6				Left	250-54092		250-24291
					Right	250-54092		250-24291
2001	2.7 V6				Left	250-241115		250-24336
					Right	250-241115		250-24336
2010-2009	3.2 V6	1	N32A		Left	250-24861		250-24852
					Right	250-24861		250-24852
<b>Kizashi</b>								
2013-2010	2.4 L4	9	J24B			250-54071		250-24861
<b>Reno</b>								
2008-2006	2.0 L4	Z				250-24628		250-24183
2005	2.0 L4					250-24384		250-241126
<b>Samurai</b>								
1995-1986	1.3 L4					250-21009		
<b>Sidekick</b>								
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		Soft Top		250-23004		
1993	1.6 L4	0		Hard Top, Calif-ESV		250-24338		
1993	1.6 L4	0		Hard Top, 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		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>SUZUKI (cont'd)</b>								
<b>Sidekick (cont'd)</b>								
1998-1996	1.8 L4	2				250-24049		250-24399
<b>Swift</b>								
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		
<b>SX4</b>								
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
<b>Verona</b>								
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
<b>Vitara</b>								
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	250-24372		250-241120
					Right	250-24372		250-241120
<b>X-90</b>								
1998-1996	1.6 L4	1				250-24338		250-24338
<b>XL-7</b>								
2006-2002	2.7 V6				Front	250-241115		250-24336
					Rear	250-241115		250-24336
2009-2007	3.6 V6		N36A		Front	250-24324		250-24773
					Rear	250-24324		250-24773
<b>TOYOTA</b>								
<b>4Runner</b>								
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	22R-TEC	Turbo		250-21056		
1987-1984	2.4 L4	R	22R, 22REC			250-21051		
2010	2.7 L4		2TR-FE		Left	250-54059		250-24360
					Right	250-54059		250-24169
2000	2.7 L4		3RZ-FE	Calif-ESV, A/T		250-54052		250-24361
2000	2.7 L4		3RZ-FE	Calif-ESV, M/T		250-54051		250-24360
2000	2.7 L4		3RZ-FE	Non Calif-ESV, A/T		250-24154		250-24361
2000	2.7 L4		3RZ-FE	Non Calif-ESV, M/T		250-24154		250-24154
1999-1998	2.7 L4	M	3RZ-FE	2WD		250-24154		250-24154
1999-1996	2.7 L4	M	3RZ-FE	4WD, A/T		250-24154		250-24361
1999-1996	2.7 L4	M	3RZ-FE	4WD, M/T		250-24154		250-24154
1997-1996	2.7 L4	M	3RZ-FE	2WD		250-24154		250-24153
1995-1994	3.0 V6	V	3VZ-E	Calif-ESV		250-24052		250-24154
1995-1994	3.0 V6	V	3VZ-E	Non Calif-ESV		250-24052		
1993-1992	3.0 V6	V	3VZ-E			250-24052		
1991-1990	3.0 V6	V	3VZ-E			250-24056		
1989-1988	3.0 V6	V	3VZ-E			250-24152		
2002-2001	3.4 V6		5VZ-FE			250-54051		250-24360
2000	3.4 V6		5VZ-FE	Calif-ESV, 2WD		250-54051		250-24155
2000	3.4 V6		5VZ-FE	Calif-ESV, 4WD		250-54051		250-24153
2000	3.4 V6		5VZ-FE	Non Calif-ESV		250-24154		250-24154

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>4Runner (cont'd)</b>								
1999	3.4 V6		5VZ-FE	Calif-ESV, A/T		250-54051		250-24155
1999	3.4 V6		5VZ-FE	Calif-ESV, M/T		250-54052		250-24155
1999	3.4 V6		5VZ-FE	Non Calif-ESV, 2WD		250-24154		250-24153
1999	3.4 V6		5VZ-FE	Non Calif-ESV, 4WD		250-24154		250-24154
1998	3.4 V6	N	5VZ-FE			250-24154		250-24154
1997-1996	3.4 V6	N	5VZ-FE	2WD		250-24154		250-24153
1997-1996	3.4 V6	N	5VZ-FE	4WD		250-24154		250-24154
2021	4.0 V6		1GR-FE		Left Right	250-54050 250-54050		
2020	4.0 V6		1GR-FE	From 08/2019 From 08/2019	Left Right	250-54050 250-54050		
2020	4.0 V6		1GR-FE	To 08/2019 To 08/2019	Left Right	250-54050 250-54050		250-24344 250-24169
2019-2016	4.0 V6		1GR-FE		Left Right	250-54050 250-54050		250-24344 250-24169
2015	4.0 V6		1GR-FE	From 08/2014 From 08/2014	Left Right	250-54050 250-54050		250-24344 250-24169
2015	4.0 V6		1GR-FE	To 08/2014 To 08/2014	Left Right	250-54066 250-54066		250-24344 250-24169
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		2UZ-FE		Left Right	250-54050 250-54050		250-24360 250-24360
2004-2003	4.7 V8		2UZ-FE		Left Right	250-24169 250-24169		250-24360 250-24360
<b>86</b>								
2020-2017	2.0 H4	-	FA20			250-54084		250-241270
<b>Avalon</b>								
2021-2019	2.5 L4	-	A25A-FXS	Hybrid		250-54125		
2018-2015	2.5 L4		2AR-FXE	Hybrid		250-54084		250-24360
2014	2.5 L4		2AR-FXE			250-54084		250-24360
2013	2.5 L4		2AR-FXE		Front Rear	250-54084 250-54084		250-24360 250-24360
2004-2000	3.0 V6		1MZ-FE			250-54057		
2004-2000	3.0 V6		1MZ-FE		Front	250-54003		•250-24107
1999-1997	3.0 V6		1MZ-FE	Calif-ESV	Rear	250-54054		
1999-1997	3.0 V6		1MZ-FE	Calif-ESV Calif-ESV	Front	250-54054		•250-24107
1999-1997	3.0 V6		1MZ-FE	Non Calif-ESV	Rear	250-24360		
1999-1997	3.0 V6		1MZ-FE	Non Calif-ESV Non Calif-ESV	Front	250-24360		•250-24107
1996-1995	3.0 V6	G	1MZ-FE		Rear	250-24360		
1996-1995	3.0 V6	G	1MZ-FE		Front	250-24360		•250-24107
2021-2019	3.5 V6		2GR-FKS		Front Rear	250-54050 250-54059		250-24924 250-24906
2018-2016	3.5 V6		2GRFE		Front Rear	250-54084 250-54059		250-24360 250-24225
2015	3.5 V6		2GRFE	From 10/2014 From 10/2014	Front Rear	250-54084 250-54059		250-24360 250-24225
2015	3.5 V6		2GRFE	To 10/2014 To 10/2014	Front Rear	250-54084 250-54084		250-24360 250-24225
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
<b>Avanza</b>								
2015-2012	1.5 L4					250-24961		250-24169
<b>Camry</b>								
1991-1990	2.0 L4	S	3S-FE	1 Wire Sensor		250-21051		
1991-1990	2.0 L4	S	3S-FE	2 Wire Sensor		250-22068		

● Requires only one rear sensor

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Camry (cont'd)</b>								
1989-1987	2.0 L4	S	3S-FE			250-21051		
1986-1983	2.0 L4	S	2S-ELC			250-21058		
2001-2000	2.2 L4		5S-FNE	CNG Engine		250-54002		250-24839
2001-2000	2.2 L4		5S-FE	Gas Engine, Calif-ESV		250-54002		250-24839
2001-2000	2.2 L4		5S-FE	Gas Engine, Non Calif-ESV		250-24106		250-24839
1999-1997	2.2 L4	G	5S-FE	Calif-ESV		250-54106		250-24839
1999-1997	2.2 L4	G	5S-FE	Non Calif-ESV		250-24106		250-24839
1996	2.2 L4	G	5S-FE			250-22058		250-22008
1995-1994	2.2 L4	S	5S-FE			250-21053		250-22008
1993-1992	2.2 L4	S	5S-FE	Calif-ESV		250-21053		250-22008
1993-1992	2.2 L4	S	5S-FE	Non Calif-ESV		250-21055		
2011-2007	2.4 L4		2AZ-FXE	Hybrid		250-54007		250-24360
2009	2.4 L4		2AZ-FE			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	250-24360	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
2021-2018	2.5 L4	-	A25A-FKS			250-54125		
2021-2018	2.5 L4	-	A25A-FXS	Hybrid		250-54125		
2017-2015	2.5 L4	D	2AR-FXE	Hybrid		250-54084		250-24360
2017-2014	2.5 L4	-	2AR-FE, 2AR-FXE			250-54084		250-24360
2013-2012	2.5 L4		2AR-FE, 2AR-FXE		Front Rear	250-54084 250-54084		250-24360 250-24360
2011-2010	2.5 L4		2AR-FE			250-54059		250-24360
1991-1990	2.5 V6	V	2VZ-FE	Calif-ESV		250-24051		250-22069
1991-1988	2.5 V6	V	2VZ-FE	Non Calif-ESV		250-24051		
1989-1988	2.5 V6	V	2VZ-FE	Calif-ESV		250-24051		250-22061
2006-2005	3.0 V6		1MZ-FE		Front Rear	250-54114 250-54074		250-24360 250-24225
2004	3.0 V6		1MZ-FE		Front Rear	250-54114 250-54059		250-24360 250-24225
2003-2002	3.0 V6		1MZ-FE		Front Rear	250-54114 250-54074		250-24360 250-24225
2001	3.0 V6		1MZ-FE	A/T	Front	250-54057		●250-24839
2001	3.0 V6		1MZ-FE	A/T	Rear	250-54057		
2001	3.0 V6		1MZ-FE	M/T	Front	250-24360		●250-24839
2001	3.0 V6		1MZ-FE	M/T	Rear	250-24360		
2000-1999	3.0 V6		1MZ-FE	Calif-ESV	Front	250-54054		250-24839
2000-1999	3.0 V6		1MZ-FE	Calif-ESV	Rear	250-54054		250-24839
2000-1999	3.0 V6		1MZ-FE	Non Calif-ESV	Front	250-24360		250-24839
2000-1999	3.0 V6		1MZ-FE	Non Calif-ESV	Rear	250-24360		250-24839
1998-1997	3.0 V6		1MZ-FE	Calif-ESV	Front	250-54054		●250-24839
1998-1997	3.0 V6		1MZ-FE	Calif-ESV	Rear	250-54054		
1998-1997	3.0 V6		1MZ-FE	Non Calif-ESV	Front	250-24360		●250-24839
1998-1997	3.0 V6		1MZ-FE	Non Calif-ESV	Rear	250-24360		
1996	3.0 V6		1MZ-FE		Front Rear	250-24360 250-24360		●250-24298
1995-1994	3.0 V6	G	1MZ-FE			250-24360		250-24298
1993-1992	3.0 V6	V	3VZ-FE	Calif-ESV		250-21053		250-24298
1993-1992	3.0 V6	V	3VZ-FE	Non Calif-ESV		250-21053		
2006	3.3 V6		3MZ-FE		Front Rear	250-54059 250-54008		250-24360 250-24225
2005	3.3 V6		3MZ-FE		Front Rear	250-54059 250-54059		250-24360 250-24225
2004	3.3 V6		3MZ-FE		Front Rear	250-54059 250-54008		250-24360 250-24225
2021-2018	3.5 V6		2GR-FKS		Front Rear	250-54050 250-54059		250-24924 250-24906
2017-2016	3.5 V6		2GRFE		Front Rear	250-54084 250-54059		250-24360 250-24225
2015	3.5 V6		2GRFE	From 10/2014	Front	250-54084		250-24360
2015	3.5 V6		2GRFE	From 10/2014	Rear	250-54059		250-24225
2015	3.5 V6		2GRFE	To 10/2014	Front	250-54084		250-24360
2015	3.5 V6		2GRFE	To 10/2014	Rear	250-54084		250-24225
2014-2012	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24360 250-24225
2011-2008	3.5 V6		2GRFE		Front Rear	250-54007 250-54059		250-24360 250-24225



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Camry (cont'd)</b>								
2007	3.5 V6		2GRFE		Front Rear	250-54007 250-54113		250-24360 250-24225
<b>Celica</b>								
1993-1992	1.6 L4	A	4A-FE	Non Calif-ESV		250-24151		
1993-1990	1.6 L4	A	4A-FE	Calif-ESV		250-22057		
1991-1990	1.6 L4	A	4A-FE	Non Calif-ESV		250-24158		
2005-2003	1.8 L4	R	1ZZ-FE, 2ZZGE			250-24747		250-24623
2003-2000	1.8 L4	R	1ZZ-FE, 2ZZGE			250-24282		250-24623
1997-1996	1.8 L4	B	7A-FE			250-22008		250-24623
1995-1994	1.8 L4	A	7A-FE			250-21053		250-22052
1993-1990	2.0 L4	S	3S-GTE			250-24156		
1989-1988	2.0 L4	S	3S-GELC, 3S-GTE			250-24051		
1989	2.0 L4	S	3S-FE	Calif-ESV, Flange Type		250-21051		
1989	2.0 L4	S	3S-FE	Calif-ESV, Screw Type		250-22068		
1989	2.0 L4	S	3S-FE	Non Calif-ESV		250-21051		
1988-1987	2.0 L4	S	3S-FE, 3S-GELC			250-21051		
1986	2.0 L4	S	2S-ELC	GT Model		250-21051		
1986	2.0 L4	S	3S-GELC	GTS Model		250-21058		
1986	2.0 L4	S	2S-ELC	ST Model		250-21051		
1999-1996	2.2 L4	G	5S-FE			250-22058		250-22010
1995	2.2 L4	S	5S-FE			250-21053		250-22010
1994-1992	2.2 L4	S	5S-FE	Non Calif-ESV		250-21053		
1994	2.2 L4	S	5S-FE	Calif-ESV		250-21053		250-22010
1993-1992	2.2 L4	S	5S-FE	Calif-ESV		250-21053		250-22003
1991-1990	2.2 L4	S	5S-FE	Calif-ESV		250-22068		
1991-1990	2.2 L4	S	5S-FE	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	5M-GE, 5ME			250-21056		
<b>C-HR</b>								
2021-2018	2.0 L4	-	3ZR-FAE			250-54006		250-241261
<b>Corolla</b>								
1997-1996	1.6 L4	A	4A-FE			250-22003		250-24107
1995-1993	1.6 L4	A	4A-FE	Calif-ESV		250-21053		250-22051
1995-1993	1.6 L4	A	4A-FE	Non Calif-ESV		250-22052		
1992-1990	1.6 L4	A	4A-FE			250-22055		
1991-1990	1.6 L4	A	4A-GE	Calif-ESV		250-24059		
1991-1990	1.6 L4	A	4A-GE	Non Calif-ESV		250-24507		
1989-1988	1.6 L4	A	4AF	Eng Desg: 4AF		250-21051		
1989-1988	1.6 L4	A	4A-FE	Eng Desg: 4AFE		250-21056		
1989	1.6 L4	A	4A-GE	Eng Desg: 4AGE, Calif-ESV		250-24059		
1989	1.6 L4	A	4A-GE	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	4A-GE	Eng Desg: 4AGE		250-21051		
1988	1.6 L4	A	4A-GELC	Eng Desg: 4AGELC		250-24150		
1987-1985	1.6 L4	A	4A-GEC	Eng Desg: 4AGEC		250-21051		
1987-1983	1.6 L4	A	4AC	Eng Desg: 4AC		250-21056		
1987	1.6 L4	A	4A-GELC	Eng Desg: 4AGELC		250-21051		
2021-2020	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-241180
2019-2014	1.8 L4	P, U	2ZR-FAE, 2ZR-FE			250-54066		250-24839
2013-2011	1.8 L4	L	2ZR-FE			250-54066		250-24188
2010-2009	1.8 L4	L, U	2ZR-FE			250-54006		250-24188
2008-2005	1.8 L4	R	1ZZ-FE			250-54006		250-24486
2006	1.8 L4		2ZZGE	XRS Only		250-24796		250-24486
2005	1.8 L4		2ZZGE			250-24796		250-24486
2004-2003	1.8 L4	R	1ZZ-FE			250-24777		250-24486
2002-1998	1.8 L4	R	1ZZ-FE			250-241099		250-24107
1997-1995	1.8 L4	A, B	7A-FE			250-22003		250-24107
1994-1993	1.8 L4	A	7A-FE	Calif-ESV		250-21053		250-22051
1994-1993	1.8 L4	A	7A-FE	Non Calif-ESV		250-22052		
1980	1.8 L4	T	3TC			250-21051		
2010-2009	2.4 L4		2AZ-FE			250-54007		250-24360
<b>Corolla iM</b>								
2018-2017	1.8 L4	-	2ZR-FAE			250-54006		250-24420



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Corona</b>								
1982-1981	2.4 L4	R	22R			250-21051		
<b>Cressida</b>								
1980	2.6 L6	M	4ME			250-21059		
1988-1981	2.8 L6	M	5M-GE, 5ME			250-21056		
1992-1989	3.0 L6	M	7M-GE	Calif-ESV		250-21051		250-24281
1992-1989	3.0 L6	M	7M-GE	Non Calif-ESV		250-21051		
<b>Echo</b>								
2005-2003	1.5 L4		1NZ-FE			250-24489		250-24298
2002-2000	1.5 L4		1NZ-FE			250-24360		250-24298
<b>FJ Cruiser</b>								
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
2009-2007	4.0 V6		1GR-FE		Left Right	250-54050 250-54050		250-24360 250-24360
<b>Highlander</b>								
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
2019-2015	2.7 L4		1AR-FE			250-54118		250-24644
2014-2009	2.7 L4		1AR-FE			250-54008		250-24837
2003-2001	3.0 V6		1MZ-FE		Front Rear	250-54054 250-54054		•250-24277
2010-2008	3.3 V6		3MZ-FE		Front Rear	250-54006 250-54050		250-24420 250-24837
2007-2006	3.3 V6		3MZ-FE	Hybrid	Front Rear	250-54059 250-54059		250-24420 250-24837
2007-2004	3.3 V6		3MZ-FE		Front Rear	250-54059 250-54059		250-24420 250-241129
2020	3.5 V6		2GR-FKS		Front	250-54128		250-24924
2019-2017	3.5 V6		2GR-FKS		Front Rear	250-54007 250-54059		250-241180 250-241178
2019-2017	3.5 V6		2GR-FXS	Hybrid	Front Rear	250-54007 250-54059		250-241180 250-241178
2016-2014	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24870 250-24837
2016-2011	3.5 V6		2GR-FXE	Hybrid	Front Rear	250-54084 250-54084		250-24870 250-24837
2013-2011	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24420 250-241129
2010-2008	3.5 V6		2GRFE		Front Rear	250-54059 250-54007		250-24420 250-241129
<b>Hilux</b>								
2017	2.7 L4		2TR-FE			250-54084		250-24360
<b>Land Cruiser</b>								
1992-1990	4.0 L6	F	3FE		Cyl 1-3 Cyl 4-6	250-24051 250-24150		
1989-1988	4.0 L6	F	3FE		Left Right	250-24056 250-24056		
1997-1996	4.5 L6	J	1FZ-FE			250-24157		250-24153
1995	4.5 L6	D	1FZ-FE	From 1/95		250-24157		250-24153
1995	4.5 L6	D	1FZ-FE	To 01/1995		250-24501		250-24501
1994-1993	4.5 L6	D	1FZ-FE		Cyl 1-3 Cyl 4-6	250-24501 250-24501		
2007-2006	4.7 V8		2UZ-FE		Left Right	250-54050 250-54050		250-24360 250-24360
2005	4.7 V8		2UZ-FE	From 5/2005	Left	250-54050		250-24360
				From 5/2005	Right	250-54050		250-24360
2005	4.7 V8		2UZ-FE	To 5/2005	Left	250-24169		250-24154
				To 5/2005	Right	250-24169		250-24154
2004-1998	4.7 V8		2UZ-FE		Left Right	250-24169 250-24169		250-24154 250-24154
2020-2017	5.7 V8		3UR-FE		Left Right	250-54066 250-54066		250-24344 250-24169
2016	5.7 V8		3UR-FE	From 08/2015	Left	250-54066		250-24344
				From 08/2015	Right	250-54066		250-24169

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Land Cruiser (cont'd)</b>								
2016	5.7 V8		3UR-FE	To 08/2015	Left	250-54085		250-24344
				To 08/2015	Right	250-54085		250-24169
2015	5.7 V8		3UR-FE		Left	250-54085		250-24344
					Right	250-54085		250-24169
2014	5.7 V8		3UR-FE	From 08/2013	Left	250-54085		250-24344
				From 08/2013	Right	250-54085		250-24169
2014	5.7 V8		3UR-FE	To 08/2013	Left	250-54085		250-24360
				To 08/2013	Right	250-54085		250-24169
2013	5.7 V8		3UR-FE		Left	250-54085		250-24360
					Right	250-54085		250-24169
2011-2008	5.7 V8		3UR-FE		Left	250-54050		250-24360
					Right	250-54050		250-24169
<b>Matrix</b>								
2013-2011	1.8 L4	U	2ZR-FE			250-54066		250-24188
2010-2009	1.8 L4	U	2ZR-FE			250-54006		250-24188
2008-2007	1.8 L4	R	1ZZ-FE			250-54006		250-24486
2006-2005	1.8 L4	R	1ZZ-FE	FWD		250-54006		250-24486
2006-2004	1.8 L4		2ZZGE			250-24796		250-24486
2006-2003	1.8 L4	R	1ZZ-FE	AWD		250-24777		250-24298
2004-2003	1.8 L4	R	1ZZ-FE	FWD		250-24777		250-24486
2004	1.8 L4	R	1ZZ-FE	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
<b>MR2</b>								
1989-1988	1.6 L4	A	4A-GELC			250-24056		
1989-1988	1.6 L4	A	4A-GZE			250-24051		
1987-1985	1.6 L4	A	4A-GELC			250-21056		
1995-1991	2.0 L4	S	3S-GTE			250-24156		
1995-1993	2.2 L4	S	5S-FE			250-21054		250-22003
1992	2.2 L4	S	5S-FE	From 1/92		250-21054		250-22003
1992	2.2 L4	S	5S-FE	To 1/92		250-21056		250-22068
1991	2.2 L4	S	5S-FE			250-21056		250-22068
<b>MR2 Spyder</b>								
2005-2000	1.8 L4	R	1ZZ-FE			250-24360		250-24404
<b>Paseo</b>								
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		
<b>Pickup</b>								
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	22R-TEC	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	3VZ-E	Calif-ESV, 4WD		250-24052		250-24154
1995-1994	3.0 V6	V	3VZ-E	Non Calif-ESV, 4WD		250-24052		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Pickup (cont'd)</b>								
1995	3.0 V6	V	3VZ-E	2WD, w/Dual Rear Wheels		250-24151		
1995	3.0 V6	V	3VZ-E	2WD, w/oDual Rear Wheels		250-24052		
1994-1993	3.0 V6	V	3VZ-E	Non Calif-ESV, 2WD, w/oDual Rear Wheels		250-24052		
1994-1992	3.0 V6	V	3VZ-E	Non Calif-ESV, 2WD, w/Dual Rear Wheels		250-24151		
1994	3.0 V6	V	3VZ-E	Calif-ESV, 2WD		250-24052		250-24154
1993-1992	3.0 V6	V	3VZ-E	4WD		250-24052		
1993-1992	3.0 V6	V	3VZ-E	Calif-ESV, 2WD		250-24501		
1992	3.0 V6	V	3VZ-E	Non Calif-ESV, 2WD, w/oDual Rear Wheels		250-24052		
1991-1990	3.0 V6	V	3VZ-E	2WD Non Calif-ESV, 4WD		250-24056		
1991	3.0 V6	V	3VZ-E	Calif-ESV, 2WD		250-24508		
1990	3.0 V6	V	3VZ-E	2WD, Calif-ESV		250-24508		
1989	3.0 V6	V	3VZ-E			250-24056		
1988	3.0 V6	V	3VZ-E			250-24152		
<b>Previa</b>								
1997-1994	2.4 L4	A, K	2TZ-FZE			250-24153		250-24153
1995-1991	2.4 L4	A	2TZ-FE			250-24052		250-22052
<b>Prius</b>								
2009-2004	1.5 L4		1NZ-FXE			250-54006		250-24623
2003-2001	1.5 L4		1NZ-FXE			250-24360		250-24298
2021-2016	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-241180
2015	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-24870
2014-2012	1.8 L4		2ZR-FXE			250-54066		250-24870
2011-2010	1.8 L4		2ZR-FXE			250-54006		250-24870
<b>Prius AWD-e</b>								
2021-2019	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-241180
<b>Prius C</b>								
2019-2015	1.5 L4		1NZ-FXE	Hybrid		250-54066		250-24870
2014-2012	1.5 L4		1NZ-FXE			250-54066		250-24870
<b>Prius Plug-In</b>								
2015	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-24870
<b>Prius Prime</b>								
2021-2017	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-241180
<b>Prius V</b>								
2017-2015	1.8 L4		2ZR-FXE	Hybrid		250-54066		250-24870
2014-2012	1.8 L4		2ZR-FXE			250-54066		250-24870
<b>RAV4</b>								
2003-2001	2.0 L4		1AZ-FE		Front Rear	250-54073 250-54078		250-24137 250-24137
2000-1998	2.0 L4	P	3S-FE	Calif-ESV		250-54054		250-24155
2000-1998	2.0 L4	P	3S-FE	Non Calif-ESV		250-24360		250-24155
1997	2.0 L4	P	3S-FE	Calif-ESV		250-54054		250-22010
1997	2.0 L4	P	3S-FE	Non Calif-ESV		250-22058		250-22010
1996	2.0 L4	P	3S-FE			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
2021-2019	2.5 L4	-	A25A-FKS			250-54125		
2021-2019	2.5 L4	-	A25A-FXS	Hybrid		250-54125		
2018-2016	2.5 L4		2AR-FXE	Hybrid		250-54059		250-24360
2018-2013	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
<b>RAV4 Prime</b>								
2021	2.5 L4	-	A25A-FXS	Hybrid		250-54125		
<b>Sequoia</b>								
2012-2010	4.6 V8		1UR-FE		Left Right	250-54050 250-54050		250-24360 250-24305
2009-2008	4.7 V8		2UZ-FE		Left Right	250-54050 250-54050		250-24360 250-24305
2007-2005	4.7 V8		2UZ-FE		Left Right	250-54050 250-54050		250-24360 250-24360

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Sequoia (cont'd)</b>								
2004-2001	4.7 V8		2UZ-FE		Left Right	250-24169 250-24169		250-24154 250-24154
2021-2019	5.7 V8		3UR-FE		Left Right	250-54085 250-54085		250-24906 250-241264
2018	5.7 V8		3UR-FBE, 3UR-FE	From 08/2017 From 08/2017	Left Right	250-54085 250-54085		250-24906 250-241264
2018	5.7 V8		3UR-FBE, 3UR-FE	To 08/2017 To 08/2017	Left Right	250-54085 250-54085		250-24344 250-24305
2017-2016	5.7 V8		3UR-FBE		Left Right	250-54085 250-54085		250-24344 250-24305
2017-2015	5.7 V8		3UR-FE		Left Left	250-54085		250-24344 250-24360
2017-2015	5.7 V8		3UR-FE		Right Right	250-54085		250-24305 250-24344
2015-2012	5.7 V8		3UR-FBE, 3UR-FE		Left Right	250-54085 250-54085		250-24360 250-24305
2011-2010	5.7 V8		3UR-FBE, 3UR-FE		Left Right	250-54050 250-54006		250-24360 250-24305
2009-2008	5.7 V8		3UR-FBE, 3UR-FE		Left Right	250-54050 250-54050		250-24360 250-24305
<b>Sienna</b>								
2012-2011	2.7 L4		1AR-FE			250-54086		250-24914
2003-2001	3.0 V6		1MZ-FE		Front Rear	250-54057 250-54003		•250-24655
2000-1999	3.0 V6		1MZ-FE	Calif-ESV Calif-ESV	Front Rear	250-54054 250-54054		•250-24623
2000-1999	3.0 V6		1MZ-FE	Non Calif-ESV Non Calif-ESV	Front Rear	250-24360 250-24360		•250-24623
1998	3.0 V6		1MZ-FE		Front Rear	250-24360 250-24360		•250-24623
2006-2004	3.3 V6		3MZ-FE		Front Rear	250-54059 250-54008		250-24420 250-24645
2020-2017	3.5 V6		2GR-FKS		Front Rear	250-54007 250-54059		250-241180 250-241209
2016	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-241191 250-24645
2016	3.5 V6		2GRFE	AWD AWD	Front Rear	250-54084 250-54084		250-24870 250-24645
2016	3.5 V6		2GRFE	FWD FWD	Front Rear	250-54084 250-54084		250-241191 250-24645
2015	3.5 V6		2GRFE	AWD; From 09/2014 AWD; From 09/2014	Front Rear	250-54084 250-54084		250-24870 250-24645
2015	3.5 V6		2GRFE	From 09/2014 From 09/2014	Front Rear	250-54084 250-54084		250-241191 250-24645
2015	3.5 V6		2GRFE	FWD; From 09/2014 FWD; From 09/2014	Front Rear	250-54084 250-54084		250-241191 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		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
<b>Solara</b>								
2001-2000	2.2 L4		5S-FE	Calif-ESV		250-54002		250-24839
2001	2.2 L4		5S-FE	Non Calif-ESV		250-24839		250-24839
2000-1999	2.2 L4		5S-FE	Non Calif-ESV		250-24106		250-24839
1999	2.2 L4		5S-FE	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		1MZ-FE		Front Rear	250-54057 250-54057		250-24839 250-24839
2002	3.0 V6		1MZ-FE	A/T A/T	Front Rear	250-54057 250-54057		•250-24839
2002	3.0 V6		1MZ-FE	M/T M/T	Front Rear	250-24360 250-24360		•250-24839

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Solara (cont'd)</b>								
2001	3.0 V6		1MZ-FE	A/T	Front	250-54057		250-24839
				A/T	Rear	250-54057		250-24839
2001	3.0 V6		1MZ-FE	M/T	Front	250-24360		250-24839
				M/T	Rear	250-24360		250-24839
2000-1999	3.0 V6		1MZ-FE	Calif-ESV	Front	250-54054		250-24839
				Calif-ESV	Rear	250-54054		250-24839
2000-1999	3.0 V6		1MZ-FE	Non Calif-ESV	Front	250-24360		250-24839
				Non Calif-ESV	Rear	250-24360		250-24839
2008-2005	3.3 V6		3MZ-FE		Front	250-54059		250-24360
					Rear	250-54059		250-24225
2004	3.3 V6		3MZ-FE		Front	250-54059		250-24360
					Rear	250-54008		250-24225
<b>Starlet</b>								
1984-1983	1.3 L4	K	4KE			250-21051		
<b>Supra</b>								
1998-1993	3.0 L6	E, J	2JZ-GTE	Turbo		250-24288		250-24277
1998	3.0 L6	D	2JZ-GE		Cyl 1-3	250-24106		250-24106
					Cyl 4-6	250-24298		250-241116
1997-1996	3.0 L6	D	2JZ-GE		Cyl 1-3	250-24305		•250-24277
					Cyl 4-6	250-24305		
1995-1993	3.0 L6	J	2JZ-GE	Calif-ESV	Cyl 1-3	250-24305		•250-24277
				Calif-ESV	Cyl 4-6	250-24305		
1995-1993	3.0 L6	J	2JZ-GE	Non Calif-ESV	Cyl 1-3	250-21054		
				Non Calif-ESV	Cyl 4-6	250-21054		
1992-1991	3.0 L6	M	7M-GTE			250-23052		
1992-1989	3.0 L6	M	7M-GE	Calif-ESV		250-24279		
1992-1989	3.0 L6	M	7M-GE	Non Calif-ESV		250-21056		
1990-1987	3.0 L6	M	7M-GTE	Turbo		250-23051		
1988	3.0 L6	M	7M-GE	Calif-ESV		250-24281		
1988	3.0 L6	M	7M-GE	Non Calif-ESV		250-21051		
1987-1986	3.0 L6	M	7M-GE, 7M-GTE			250-21051		
<b>T100</b>								
1998-1996	2.7 L4	M	3RZ-FE	M/T		250-24361		250-24154
1998-1995	2.7 L4	M, U	3RZ-FE	A/T		250-24154		250-24154
1995	2.7 L4	U	3RZ-FE	M/T		250-24151		250-24154
1994	2.7 L4	U	3RZ-FE			250-24151		250-24154
1994	3.0 V6	V	3VZ-E	2WD		250-24151		250-24153
1994	3.0 V6	V	3VZ-E	4WD		250-24151		250-24155
1993	3.0 V6	V	3VZ-E	Calif-ESV		250-24151		250-24153
1993	3.0 V6	V	3VZ-E	Non Calif-ESV		250-24151		
1998	3.4 V6	N	5VZ-FE			250-24154		250-24154
1997-1995	3.4 V6	N	5VZ-FE	A/T		250-24154		250-24154
1997-1995	3.4 V6	N	5VZ-FE	M/T, 2WD		250-24151		250-24154
1997-1995	3.4 V6	N	5VZ-FE	M/T, 4WD		250-24154		250-24154
<b>Tacoma</b>								
2004-2001	2.4 L4		2RZ-FE			250-54051		250-24159
2000	2.4 L4		2RZ-FE	Calif-ESV		250-24154		250-24159
2000	2.4 L4		2RZ-FE	Non Calif-ESV		250-24154		250-24153
1999-1995	2.4 L4	L, U	2RZ-FE	A/T		250-24154		250-24154
1999-1995	2.4 L4	L, U	2RZ-FE	M/T		250-24154		250-24153
2021-2017	2.7 L4		2TR-FE	Crew Cab		250-54059		250-24924
2021-2017	2.7 L4		2TR-FE	Extended Cab		250-54059		250-24777
2016	2.7 L4		2TR-FE	From 08/2015		250-54059		250-24777
2016	2.7 L4		2TR-FE	From 08/2015; Crew Cab		250-54059		250-24924
2016	2.7 L4		2TR-FE	From 08/2015; Extended Cab		250-54059		250-24777
2016	2.7 L4		2TR-FE	To 08/2015		250-54084		250-24777
2016	2.7 L4		2TR-FE	To 08/2015; Crew Cab		250-54084		250-24924
2016	2.7 L4		2TR-FE	To 08/2015; Extended Cab		250-54084		250-24777
2015	2.7 L4		2TR-FE	4WD		250-54084		250-24360
2015	2.7 L4		2TR-FE	RWD; From 02/2015		250-54084		250-24360
2015	2.7 L4		2TR-FE	RWD; To 01/2015		250-54084		250-24344
2014-2013	2.7 L4		2TR-FE			250-54084		250-24344
2014-2013	2.7 L4		2TR-FE	4WD		250-54084		250-24305
2014-2013	2.7 L4		2TR-FE	RWD		250-54084		250-24344
2012	2.7 L4		2TR-FE	A/T		250-54113		250-24344
2012	2.7 L4		2TR-FE	M/T		250-54113		250-24305

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Tacoma (cont'd)</b>								
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		3RZ-FE			250-54051		250-24159
2000	2.7 L4		3RZ-FE	Calif-ESV, 2WD		250-54051		250-24159
2000	2.7 L4		3RZ-FE	Calif-ESV, 4WD		250-54051		250-24278
2000	2.7 L4		3RZ-FE	Non Calif-ESV, 2WD		250-24154		250-24155
2000	2.7 L4		3RZ-FE	Non Calif-ESV, 4WD		250-24154		250-24154
1999-1998	2.7 L4	M	3RZ-FE	2WD		250-24154		250-24155
1999-1998	2.7 L4	M	3RZ-FE	4WD		250-24154		250-24154
1997-1996	2.7 L4	M	3RZ-FE			250-24154		250-24154
1995	2.7 L4	U	3RZ-FE	A/T		250-24154		250-24154
1995	2.7 L4	U	3RZ-FE	M/T		250-24154		250-24154
2004-2001	3.4 V6		5VZ-FE	A/T		250-54051		250-24159
2004-2001	3.4 V6		5VZ-FE	M/T		250-54052		250-24159
2000	3.4 V6		5VZ-FE	Calif-ESV, A/T, 2WD		250-54051		250-24278
2000	3.4 V6		5VZ-FE	Calif-ESV, A/T, 4WD		250-54051		250-24278
2000	3.4 V6		5VZ-FE	Calif-ESV, M/T		250-54052		250-24278
2000	3.4 V6		5VZ-FE	Non Calif-ESV		250-24154		250-24154
1999-1995	3.4 V6	N	5VZ-FE			250-24154		250-24154
2021-2017	3.5 V6		2GR-FKS	A/T	Left	250-54006		250-24906
				A/T	Right	250-54006		250-24777
2021-2017	3.5 V6		2GR-FKS	M/T	Left	250-54006		250-24906
				M/T	Right	250-54006		250-24924
2016	3.5 V6		2GR-FKS		Left	250-54006		250-24906
					Right	250-54006		250-24777
2015	4.0 V6		1GR-FE		Left	250-54085		250-24360
					Right	250-54085		250-24344
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
<b>Tercel</b>								
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	3AC			250-21056		
1982-1980	1.5 L4	A	1AC, 3AC			250-21051		
<b>Tundra</b>								
2004-2001	3.4 V6		5VZ-FE	A/T		250-54051		250-24154
2004-2001	3.4 V6		5VZ-FE	M/T		250-54052		250-24154
2000	3.4 V6		5VZ-FE	Calif-ESV, A/T	Left	250-54051		250-24154
				Calif-ESV, A/T	Right	250-54051		250-24154
2000	3.4 V6		5VZ-FE	Calif-ESV, M/T	Left	250-54052		250-24154
				Calif-ESV, M/T	Right	250-54052		250-24154
2000	3.4 V6		5VZ-FE	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
2018-2015	4.6 V8		1UR-FE		Left	250-54085		250-24344
					Right	250-54085		250-24305
2014	4.6 V8		1UR-FE	From 08/2013	Left	250-54085		250-24344
				From 08/2013	Right	250-54085		250-24305
2014	4.6 V8		1UR-FE	To 08/2013	Left	250-54050		250-24360
				To 08/2013	Right	250-54050		250-24305
2013-2010	4.6 V8		1UR-FE		Left	250-54050		250-24360
					Right	250-54050		250-24305
2009-2007	4.7 V8		2UZ-FE		Left	250-54050		250-24360
					Right	250-54050		250-24305

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>TOYOTA (cont'd)</b>								
<b>Tundra (cont'd)</b>								
2006-2005	4.7 V8		2UZ-FE		Left Right	250-54050 250-54050		250-24360 250-24360
2004-2000	4.7 V8		2UZ-FE		Left Right	250-24169 250-24169		250-24154 250-24154
2021-2019	5.7 V8		3UR-FBE, 3UR-FE		Left Right	250-54085 250-54085		250-24906 250-241264
2018	5.7 V8		3UR-FBE, 3UR-FE	From 08/2017 From 08/2017	Left Right	250-54085 250-54085		250-24906 250-241264
2018	5.7 V8		3UR-FBE, 3UR-FE	To 08/2017 To 08/2017	Left Right	250-54085 250-54085		250-24344 250-24305
2017-2015	5.7 V8	-	3UR-FBE, 3UR-FE		Left Right	250-54085 250-54085		250-24344 250-24305
2016	5.7 V8	-	3UR-FBE	From 08/2015 From 08/2015	Left Right	250-54085 250-54085		250-24344 250-24305
2016	5.7 V8	-	3UR-FBE	To 08/2015 To 08/2015	Left Right	250-54085 250-54085		250-24360 250-24305
2015-2013	5.7 V8	-	3UR-FBE, 3UR-FE		Left Right	250-54085 250-54085		250-24360 250-24305
2012-2010	5.7 V8		3UR-FBE, 3UR-FE		Left Right	250-54050 250-54006		250-24360 250-24305
2009-2007	5.7 V8		3UR-FBE, 3UR-FE		Left Right	250-54050 250-54050		250-24360 250-24305
<b>Van</b>								
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		
<b>Venza</b>								
2021	2.5 L4	-	A25A-FXS	Hybrid		250-54125		
2015	2.7 L4		1AR-FE	From 08/2014		250-54084		250-24344
2015	2.7 L4		1AR-FE	To 08/2014		250-54084		250-24420
2014-2013	2.7 L4		1AR-FE			250-54084		250-24420
2012-2009	2.7 L4		1AR-FE			250-54059		250-24420
2015	3.5 V6		2GRFE	From 08/2014 From 08/2014	Front Rear	250-54084 250-54084		250-24305 250-24261
2015	3.5 V6		2GRFE	To 08/2014 To 08/2014	Front Rear	250-54084 250-54084		250-24360 250-24261
2014-2012	3.5 V6		2GRFE		Front Rear	250-54084 250-54084		250-24261 250-24360
2011	3.5 V6		2GRFE		Front Rear	250-54059 250-54007		250-24261 250-24360
2010-2009	3.5 V6		2GRFE		Front Rear	250-54059 250-54007		250-24360 250-24261
<b>Yaris</b>								
2018-2017	1.5 L4		1NZ-FE			250-54066		250-241245
2017	1.5 L4		2NR-FE					250-241177
2016	1.5 L4		1NZ-FE					250-241177
						250-54066		250-241245
2015	1.5 L4		1NZ-FE					250-241177
2015	1.5 L4		1NZ-FE	From 07/2014		250-54066		250-241245
2015	1.5 L4		1NZ-FE	To 07/2014		250-54066		250-24298
2014-2013	1.5 L4		1NZ-FE			250-54066		250-24298
2012-2006	1.5 L4		1NZ-FE			250-54006		250-24298
<b>Yaris iA</b>								
2018-2017	1.5 L4		P5			250-25102		250-241177
<b>VOLKSWAGEN</b>								
<b>Amarok</b>								
2017	2.0 L4			Diesel		250-25040		250-24672
<b>Arteon</b>								
2021-2020	2.0 L4		DLRB			250-25156		250-241280
2019	2.0 L4		DLRB	From 06/11/2018		250-25156		250-241280
2019	2.0 L4		DLRB	To 06/11/2018				250-241280
<b>Atlas</b>								
2021-2018	2.0 L4		DCGA			250-25112		250-241142



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLKSWAGEN (cont'd)</b>								
<b>Atlas (cont'd)</b>								
2021-2018	3.6 V6		CDVC		Left Right	250-25151 250-25146		250-241085 250-241222
<b>Atlas Cross Sport</b>								
2021-2020	2.0 L4		DCGA			250-25112		250-241142
2021-2020	3.6 V6		CDVC		Left Right	250-25151 250-25146		250-241085 250-241222
<b>Beetle</b>								
2017-2014	1.8 L4		CPKA, CPRA			250-25113		250-241142
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
2019	2.0 L4		DDSA			250-25118		
2018	2.0 L4		DDSA	From 05/14/2018		250-25118		250-241142
2018	2.0 L4		DDSA	To 05/13/2018		250-25112		250-241142
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			250-25035	250-24717	250-24672
2013-2012	2.0 L4		CCTA			250-25035		250-24672
2013	2.0 L4		CPLA			250-25120		250-241142
2007	2.0 L4			Engine; AZJ, BEV		250-25008		250-24495
2007	2.0 L4			Engine; BER, BHP		250-24843		250-24495
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		AEG			250-24734		250-24431
2015	2.5 L5			Engine; CBTA, CBUA		250-25037		250-24672
2015	2.5 L5			Engine; CCCA		250-24672		250-24672
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
<b>Bora</b>								
2010	2.5 L5					250-25034	250-24953	250-24994
<b>Cabrio</b>								
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		
<b>Cabriolet</b>								
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		
<b>CC</b>								
2017-2010	2.0 L4		CBFA			250-25035	250-24717	250-24672
2017-2010	2.0 L4		CCTA			250-25035		250-24672
2009	2.0 L4		CCTA			250-25035		250-24955
2016-2011	3.6 V6		BLV, CNNA		Front Rear	250-25040 250-25033		250-24717 250-24672
2010-2009	3.6 V6				Front Rear	250-25040 250-25033		250-24671 250-24672
<b>Corrado</b>								
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.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLKSWAGEN (cont'd)</b>								
<b>Crafter Van</b>								
2012-2008	2.5 L5			Diesel		250-25040		
<b>Dasher</b>								
1980	1.6 L4		YG, YH			250-21011		
<b>Eos</b>								
2016-2010	2.0 L4		CCTA			250-25035		250-24672
2016-2009	2.0 L4		CBFA			250-25035	250-24717	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
<b>EuroVan</b>								
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
<b>Fox</b>								
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		
<b>Golf</b>								
2018-2015	1.8 L4		CNSA, CNSB, CXBA, CXBB			250-25115		250-241142
2006-2001	1.8 L4		AWP, AWW			250-25003		250-24734
2001-2000	1.8 L4		AWD			250-24734		250-24431
1998	1.8 L4					250-23023		
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	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
1998-1996	2.0 L4	A, B	ABA			250-24146		250-24146
1995-1993	2.0 L4	A, B, C, L	ABA			250-24066		
1992-1990	2.0 L4	E, J	9A			250-23048		
2014-2013	2.5 L5		CBTA			250-25037		250-24672
2014-2012	2.5 L5		CBUA			250-25037	250-24672	250-24717
2012	2.5 L5		CBTA	Eng Desg: CBTA		250-25037		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		
<b>Golf Alltrack</b>								
2019-2017	1.8 L4		CXBB			250-25115		250-241142
<b>Golf R</b>								
2019	2.0 L4		DLRA			250-25156		250-241280
2018-2015	2.0 L4		CYFB, DJJA			250-25112		250-241142
2013-2012	2.0 L4		CRZA			250-25035		250-24717
<b>Golf SportWagen</b>								
2019-2015	1.8 L4		CXBA, CXBB			250-25115		250-241142
<b>GTI</b>								
2021-2020	2.0 L4		DKFA			250-25156		250-241280
2019	2.0 L4		DKFA			250-25115		250-241280

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLKSWAGEN (cont'd)</b>								
<b>GTI (cont'd)</b>								
2018-2015	2.0 L4		CXCA, CXCB			250-25112		250-241142
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
<b>Jetta</b>								
2018-2016	1.4 L4		CZTA			250-25092		250-241201
2016-2015	1.4 L4		CNLA	Hybrid		250-25035		250-241144
2014-2013	1.4 L4		CNLA	Hybrid		250-25035	250-241144	250-241143
1980	1.6 L4		EJ			250-21011		
1984-1981	1.7 L4	A, B	EN			250-21011		
2018-2015	1.8 L4		CPKA, CPRA			250-25113		250-241142
2010	1.8 L4			Engine; AWP, AUQ / 9m-8-675-450 >>		250-25003		250-24689
2010	1.8 L4			Engine; AWP / >>9m-8-675-449		250-25003		250-24494
2010	1.8 L4			Engine; BEK		250-25003		250-24432
2005-2002	1.8 L4		AWP			250-25003		250-24494
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
1994-1993	1.8 L4					250-23023		
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		
1990-1988	1.8 L4	A, B, K	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		
1987	1.8 L4	B	PF	3 Wire Sensor		250-23018		
1986-1985	1.8 L4	B	HT, RD	3 Wire Sensor		250-23048		
1984	1.8 L4	B	JH			250-21011		
2010-2007	1.9 L4			Diesel		250-25040		
2006-2005	1.9 L4		BRM	Diesel				250-25035
2005-2004	1.9 L4		BEW	Diesel				250-25036
2021-2019	2.0 L4		DKFA			250-25156		250-241280
2018-2016	2.0 L4		CPLA, CPPA			250-25112		250-241142
2016-2010	2.0 L4		CJAA	Diesel		250-25040		250-25037
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
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		
2017-2015	2.5 L5					250-25037		250-24672
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		250-24147		250-24146

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLKSWAGEN (cont'd)</b>								
<b>Jetta (cont'd)</b>								
1999	2.8 V6		AFP	Engine Code, 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		
<b>Nuevo Gol</b>								
2016-2014	1.6 L4		EA111			250-24432		250-24432
<b>Passat</b>								
2017-2015	1.8 L4		CPKA, CPRA			250-25113		250-241142
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		
2021-2020	2.0 L4		DDSB, DTD A			250-25118		
2019	2.0 L4		DDSA	From 08/20/2018		250-25118		
2019	2.0 L4		DDSA	To 08/20/2018		250-25118		250-241142
2018	2.0 L4		DDSA	From 05/14/2018		250-25118		250-241142
2018	2.0 L4		DDSA	To 05/13/2018		250-25112		250-241142
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		
2017-2012	2.5 L5		CBTA			250-25037		250-24672
2014	2.5 L5		CBTA, CBUA			250-25037	250-24672	250-24717
2013-2012	2.5 L5		CBUA			250-25037	250-24717	250-24672
2005-2000	2.8 V6	H	ATQ		Front	250-24395		250-24414
					Rear	250-24395		250-24414
2000-1998	2.8 V6	D	AHA		Front	250-24147		250-24174
					Rear	250-24147		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		
2018-2015	3.6 V6		CDVB		Left	250-25037		250-24717
					Right	250-25040		250-24717
2014-2012	3.6 V6		CDVB		Front	250-25037		250-24717
					Rear	250-25040		250-24717
2008	3.6 V6		BLV		Front	250-25040		250-24671
					Rear	250-25033		250-24672
2007-2006	3.6 V6		BLV		Front	250-25040	250-24671	250-24954
					Left			
2007-2006	3.6 V6		BLV		Rear	250-25033	250-24672	250-24672
					Right			
2004-2002	4.0 W8		BDP		Front	250-25007		250-24494
					Rear	250-25003		250-24494
<b>Phaeton</b>								
2006-2004	4.2 V8		BGH		Left	250-25007		250-24494
					Right	250-25003		250-24734
2006	6.0 W12		BRP		Cyl 7-9	250-25033		250-24432
					Cyl 10-12	250-25040		250-24432
2006	6.0 W12		BRP		Left	250-25026		250-24494
					Right	250-25026		250-24494
2005-2004	6.0 W12		BAP		Cyl 1-3	250-25007		250-24494
					Cyl 4-6	250-25007		250-24432
2005-2004	6.0 W12		BAP		Cyl 7-9	250-25003		250-24432
					Cyl 10-12	250-25007		250-24494
<b>Pointer</b>								
2009-2004	1.8 L4		EA827			250-24417		250-24147
2003-2001	2.0 L4					250-24417		250-24147
<b>Pointer Truck</b>								
2010-2004	1.8 L4					250-24417		250-24147

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLKSWAGEN (cont'd)</b>								
<b>Polo</b>								
2017-2016	1.2 L4					250-24953		250-24940
2014-2013	1.2 L4					250-24953		250-24940
2013	1.4 L4					250-241085		250-24940
2017-2015	1.6 L4		CJZC			250-241085		250-24966
2006-2003	1.6 L4					250-24797		
2017	1.8 L4					250-241085		250-24966
<b>Quantum</b>								
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		
<b>R32</b>								
2008	3.2 V6		CBRA		Left Right	250-25026 250-25035		250-24954 250-24699
2004	3.2 V6		BJS		Front Rear	250-25008 250-25080		250-24493 250-24263
<b>Rabbit</b>								
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
<b>Rabbit Convertible</b>								
1980	1.6 L4		EJ			250-21011		
1983-1981	1.7 L4	A, B	EN			250-21011		
1984	1.8 L4					250-21011		
<b>Rabbit Pickup</b>								
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		
<b>Routan</b>								
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
2010-2009	4.0 V6	X	CGVA		Front Rear	250-24253 250-24253		250-24253 250-24253
<b>Saveiro</b>								
2017-2016	1.6 L4					250-24955		250-24955
<b>Scirocco</b>								
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		
<b>Super Beetle</b>								
1980	1.6 H4		AJ			250-21011		
<b>Tiguan</b>								
2015-2013	1.4 L4					250-25040		250-24672
2021-2020	2.0 L4		DGUA			250-25153		250-241242
2019	2.0 L4		DGUA	From 08/20/2018		250-25153		250-241242
2019	2.0 L4		DGUA	To 08/19/2018		250-25112		250-241242
2018	2.0 L4		DGUA			250-25112		250-241242
2017-2010	2.0 L4		CCTA			250-25049		250-24672
2009	2.0 L4		CCTA			250-25049		250-24955
<b>Tiguan Limited</b>								
2018-2017	2.0 L4		CCTA			250-25049		250-24672

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLKSWAGEN (cont'd)</b>								
<b>Touareg</b>								
2016-2009	3.0 V6		CATA, CNRB	Diesel				250-25040
2016	3.0 V6				Left	250-25052		250-24671
					Right	250-25040		250-24672
2015	3.0 V6		CGFA	Hybrid	Left	250-25051		250-24717
				Hybrid	Right	250-25049		250-24672
2014-2011	3.0 V6		CGFA		Left	250-25051		250-24717
					Right	250-25049		250-24672
2006	3.2 V6		BMX		Left	250-25007		250-24432
					Right	250-25002		250-24431
2005	3.2 V6		BMX		Left	250-25007		250-24432
					Right	250-25002		250-24843
2004	3.2 V6		BAA		Left	250-25007		250-24432
					Right	250-25002		250-24431
2017-2016	3.6 V6		CGRA		Left	250-25040		250-24717
2015	3.6 V6		CGRA		Left	250-25040		250-24717
					Right	250-25040		250-24717
2014-2011	3.6 V6		CGRA		Left	250-25040		250-24717
					Right	250-25040		250-24672
2010-2009	3.6 V6		BHK		Left	250-25040		250-24671
					Right	250-25040		250-24699
2008-2007	3.6 V6		BHK		Left	250-25025		250-24671
					Right	250-25034		250-24699
2009-2007	4.2 V8		BAR		Left	250-25008		250-24726
					Right	250-25003		250-24717
2007-2004	4.2 V8		AXQ		Left	250-25008		250-24493
					Right	250-25003		250-24843
2004	4.9 V10		BKW	Diesel	Left	250-25054		
				Diesel	Right	250-25053		
2008-2006	5.0 V10		BWF	Diesel	Left	250-25037		
				Diesel	Right	250-25036		
<b>Transporter</b>								
1979	2.0 H4		CJ, GE			250-21024		
2017-2010	2.0 L4			Diesel		250-25040		
<b>Vanagon</b>								
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		
<b>Vento</b>								
2017-2014	1.6 L4		EA113			250-241085		250-241089
<b>VOLVO</b>								
<b>240</b>								
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		
<b>242</b>								
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		
<b>244</b>								
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		
1985	2.3 L4	8	B230F			250-23028		
1984	2.3 L4	8	B23F			250-21011		
1983	2.3 L4	8	B23F			250-23019		
<b>245</b>								
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		



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLVO (cont'd)</b>								
<b>245 (cont'd)</b>								
1983	2.3 L4	8	B23F			250-23019		
<b>262</b>								
1981-1980	2.8 V6	6	B28F			250-21011		
<b>264</b>								
1980	2.1 L4	4	B21F			250-21011		
1982-1980	2.8 V6	6	B28F			250-21011		
<b>265</b>								
1981-1980	2.8 V6	6	B28F			250-21011		
<b>740</b>								
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
<b>745</b>								
1985	2.3 L4	8	B230F			250-23028		
1985	2.3 L4	8	B230FT			250-23019		
<b>760</b>								
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		
<b>780</b>								
1991-1989	2.3 L4	8	B230FT			250-23019		
1990-1987	2.8 V6	6	B280F			250-23033		
<b>850</b>								
1997-1994	2.3 L5					250-24135		250-24048
1997-1995	2.4 L5	55	B5244T, B5254FS			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
<b>940</b>								
1995-1994	2.3 L4	8	B230FT			250-23080		
1995-1994	2.3 L4	8	B230F, B230FD	w/oRegina Engine Control System		250-23070		
1995-1994	2.3 L4	8	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		
<b>960</b>								
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		
<b>C30</b>								
2013-2008	2.5 L5		B5254T7			250-25079		250-24409
<b>C70</b>								
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
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
<b>S40</b>								
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
<b>S60</b>								
2020-2019	2.0 L4	10	B4204T23	T5 Models		250-54043		

Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLVO (cont'd)</b>								
<b>S60 (cont'd)</b>								
2020	2.0 L4	-	B4204T39	T8 Polestar Model		250-54043		
2018-2017	2.0 L4	-, 49	B4204T43, B4204T9	AWD		250-54116	250-241215	250-241228
2018-2017	2.0 L4	40	B4204T11	AWD			250-241215	250-241228
2018-2017	2.0 L4	40	B4204T11	FWD			250-241215	250-241216
2016-2015	2.0 L4	27	B4204T9			250-54116	250-241215	250-241216
2016-2015	2.0 L4	26, 40	B4204T11, B4204T12	Exc.ULEV Spec		250-54043		250-241215
2016-2015	2.0 L4	26, 40	B4204T11, B4204T12	ULEV Spec		250-54043	250-241215	250-241216
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
2016-2013	2.5 L5	61	B5254T12			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
2016-2011	3.0 L6	90, A9	B6304T4, B6304T5			250-54043		250-24455
<b>S60 Cross Country</b>								
2018-2017	2.0 L4	40	B4204T11			250-54116		250-241228
2016	2.5 L5	61	B5254T12			250-54043		250-241070
<b>S70</b>								
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	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
<b>S80</b>								
2016-2015	2.0 L4	40	B4204T11	Exc.ULEV Spec		250-54043	250-241215	250-241215
2016-2015	2.0 L4	40	B4204T11	ULEV Spec		250-54043	250-241215	250-241216
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		Cyl 1-3 Cyl 4-6	250-25009 250-25009		250-24410 250-24410
2005-2003	2.9 L6		B6294T	Turbo	Cyl 1-3 Cyl 4-6	250-25011 250-25006		250-24409 250-24409
2004-2003	2.9 L6	92	B6294S2	Non-Turbo Non-Turbo	Cyl 1-3 Cyl 4-6	250-25009 250-25006		250-24409 250-24409
2002	2.9 L6		B6294S	Non-Turbo Non-Turbo	Cyl 1-3 Cyl 4-6	250-25009 250-25006		250-241122 250-24409
2002	2.9 L6		B6294T	Turbo Turbo	Cyl 1-3 Cyl 4-6	250-25011 250-25006		250-241122 250-24409
2001	2.9 L6		B6294S	Non-Turbo Non-Turbo	Cyl 1-3 Cyl 4-6	250-25009 250-25011		250-24353 250-241122
2000	2.9 L6		B6294S	Non-Turbo Non-Turbo	Cyl 1-3 Cyl 4-6	250-25009 250-25011		●250-241122
1999	2.9 L6		B6304S	Non-Turbo		250-25009		250-24410
2015-2008	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	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	98	B6324S	Eng Desg. B6324S Eng Desg. B6324S	Left Right	250-54043 250-54043		250-24455 250-24455
2009-2007	3.2 L6		B6324S		Left Right	250-54043 250-54043		250-24455 250-24455
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



Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLVO (cont'd)</b>								
<b>S80 (cont'd)</b>								
2007	4.4 V8		B8444S	To Chassis/VIN #35287 To Chassis/VIN #35287	Left Right	250-54026 250-54077		250-24455 250-24482
<b>S90</b>								
2020-2019	2.0 L4	-, 10	B4204T23, B4204T27			250-54043		250-241220
2020	2.0 L4	-	B4204T28	ex. ULEV Spec		250-54043		250-241216
2020	2.0 L4	-	B4204T28	ULEV Spec		250-54043	250-241217	250-241220
2017	2.0 L4	10	B4204T23, B4204T27			250-54043		250-241220
1998-1997	2.9 L6	96	B6304S2			250-24177		250-24385
<b>V40</b>								
2004-2000	1.9 L4		B4204T, B4204T3, B4204T4			250-24415		250-24428
<b>V50</b>								
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		250-24482
2011-2005	2.5 L5		B5254T3, B5254T7			250-25079		250-24409
<b>V60</b>								
2020-2019	2.0 L4	10	B4204T23	T5 Models		250-54043		
2018-2016	2.0 L4	-, 49	B4204T43, B4204T9			250-54116		250-241228
2018-2015	2.0 L4	40	B4204T11	Exc. ULEV Spec		250-54043		250-241215
2018-2015	2.0 L4	40	B4204T11	ULEV Spec		250-54043	250-241215	250-241216
2016-2015	2.5 L5	61	B5254T12			250-54043		250-241070
2016-2015	3.0 L6	90, A9	B6304T4, B6304T5			250-54043		250-24455
<b>V60 Cross Country</b>								
2020	2.0 L4	10	B4204T23			250-54043		
2018-2017	2.0 L4	40	B4204T11			250-54116		250-241228
2016-2015	2.5 L5	61	B5254T12			250-54043		250-241070
<b>V70</b>								
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	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		250-24455
				Eng Desg. B6324S	Left Right	250-54043		250-24455
2009-2008	3.2 L6		B6324S		Left Left Right	250-54043 250-54043		250-24455 250-24455
<b>V90</b>								
2020-2018	2.0 L4	10	B4204T23	T5 Models		250-54043		250-241220
2019-2018	2.0 L4		B4204T27			250-54043		
1998-1997	2.9 L6	96	B6304S2			250-24177		250-24385
<b>V90 Cross Country</b>								
2020-2019	2.0 L4		B4204T27	T6 Models				250-241220
2019	2.0 L4	10	B4204T23			250-54043		250-241220
2017	2.0 L4		B4204T27			250-54043		250-241220
<b>XC40</b>								
2020-2019	2.0 L4	-, 40	B4204T18, B4204T47			250-54043		250-241228
<b>XC60</b>								
2020-2019	2.0 L4	10	B4204T23	FWD		250-54043		
2020-2018	2.0 L4	-, 10, A2	B4204T23, B4204T27	AWD		250-54043		250-241220



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Year	Eng.	VIN	Designation	Application Identifier	Bank	Upstream	Center	Downstream
<b>VOLVO (cont'd)</b>								
<b>XC60 (cont'd)</b>								
2017	2.0 L4	49	B4204T9				250-241215	250-241216
2017	2.0 L4	40	B4204T11	AWD		250-54116		250-241228
2017	2.0 L4	40	B4204T11	FWD: (Exc.ULEV Spec)		250-54043		250-241215
2017	2.0 L4	40	B4204T11	FWD: (ULEV Spec)		250-54043	250-241215	250-241216
2016-2015	2.0 L4	27	B4204T9	Exc.ULEV Spec		250-54116		250-241215
2016-2015	2.0 L4	40	B4204T11	Exc.ULEV Spec		250-54043		250-241215
2016-2015	2.0 L4	27	B4204T9	ULEV Spec		250-54116	250-241215	250-241216
2016-2015	2.0 L4	40	B4204T11	ULEV Spec		250-54043	250-241215	250-241216
2016-2015	2.5 L5	61	B5254T12			250-54043		250-241070
2016-2010	3.0 L6	90	B6304T4			250-54043		250-24455
2015-2011	3.2 L6	94	B6324S4	Eng Desg. B6324S4		250-54043	250-241176	250-24455
2015-2011	3.2 L6	95	B6324S5	Eng Desg. B6324S5	Left	250-54043		250-24455
				Eng Desg. B6324S5	Right	250-54043		250-24455
2010	3.2 L6		B6324S2	Eng Desg. B6324S2		250-54043	250-241176	250-24455
2010	3.2 L6		B6324S	Eng Desg. B6324S	Left	250-54043		250-24455
				Eng Desg. B6324S	Right	250-54043		250-24455
<b>XC70</b>								
2016-2015	2.0 L4	40	B4204T11	Exc.ULEV Spec		250-54043	250-241216	250-241215
2016-2015	2.0 L4	40	B4204T11	ULEV Spec		250-54043	250-241216	250-241216
2016	2.5 L5	61	B5254T12			250-54043		250-241070
2007-2005	2.5 L5		B5254T2			250-25006		250-24409
2004-2003	2.5 L5		B5254T2			250-25006		250-24748
2015-2009	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
2015-2011	3.2 L6	95	B6324S5	Eng Desg. B6324S5	Left	250-54043		250-24455
				Eng Desg. B6324S5	Right	250-54043		250-24455
2010	3.2 L6		B6324S2	Eng Desg. B6324S2		250-54043	250-241176	250-24455
2010	3.2 L6		B6324S	Eng Desg. B6324S	Left	250-54043		250-24455
				Eng Desg. B6324S	Right	250-54043		250-24455
2009-2008	3.2 L6		B6324S		Left	250-54043		250-24455
					Right	250-54043		250-24455
<b>XC90</b>								
2020-2019	2.0 L4	-	B4204T28	T8 Models		250-54043	250-241217	250-241220
2020-2016	2.0 L4	-, 10, A2	B4204T23, B4204T27			250-54043		250-241220
2019-2018	2.0 L4	-	B4204T28			250-54043	250-241217	250-241220
2017-2016	2.0 L4	-	B4204T28	Exc.ULEV Spec		250-54043	250-241217	250-241216
2017-2016	2.0 L4	-	B4204T28	ULEV Spec		250-54043	250-241217	250-241220
2006-2005	2.5 L5		B5254T2			250-25006		250-24409
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
<b>YUGO</b>								
<b>Cabrio</b>								
1992-1991	1.3 L4	6				250-23019		
1990	1.3 L4					250-21011		
<b>GV</b>								
1992-1991	1.3 L4	6				250-23019		
1990	1.3 L4					250-21011		



**250-21000**  
*Unheated Sensor, 210mm 1wire*



**250-23000**  
*Heated Sensor, 210mm 3wire*



**250-21050**  
*Unheated Sensor, 210mm 1wire*



**250-23050**  
*Heated Sensor, 210mm 3wire*



**250-22000**  
*Unheated Sensor, 210mm 2wire*



**250-23200**  
*Heated Sensor, 450mm 3wire*



**250-22050**  
*Unheated Sensor, 210mm 2wire*



**250-23880**  
*Heated Sensor, 200mm 3wire*



**250-23881**  
*Heated Sensor, 210mm 3wire*



**250-24250**  
*Heated Sensor, 210mm 4wire*



**250-24000**  
*Heated Sensor, 210mm 4wire*



**250-24400**  
*Heated Sensor, 210mm 4wire*



**250-24050**  
*Heated Sensor, 210mm 4wire*



**250-24882**  
*Heated Sensor, 195mm 4wire*



**250-24200**  
*Heated Sensor, 210mm 4wire*



**250-24883**  
*Heated Sensor, 210mm 4wire*



**250-21000**  
M-B (6,8) 1980-85  
*Unheated Sensor, 210mm 1wire*



**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, 400mm 1wire*



**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) 1980-10 / 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, 370mm 1wire*



**250-21005**  
CHRY (4) 1984-85 / DODGE (4) 1984-05  
HYUN (4) 1987-89 / MITSU (4) 1983-93  
PLY (4) 1984-87 / SUB (4,6) 1988-94  
*Unheated Sensor, 505mm 1wire*



**250-21002**  
CHRY (4,6,8) 1980-89 / DODGE (4,6,8) 1980-90  
PLY (4,6,8) 1980-89  
*Unheated Sensor, 175mm 1wire*



**250-21007**  
DODGE (4) 1987-90 / EAGLE (4) 1989-90  
HYUN (4) 1986-93 / MITSU (4) 1985-93  
PLY (4) 1987-90  
*Unheated Sensor, 775mm 1wire*



**250-21003**  
AMC (4) 1983 / FORD (4,6,8) 1980-91  
LINC (8) 1980-85 / MER (4,6,8) 1980-87  
*Unheated Sensor, 175mm 1wire*



**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, 480mm 1wire*



**250-21010**  
FORD (4) 1990-94 / KIA (4) 1994-95  
MAZDA (4) 1990-94 / MER (4) 1991-94  
*Unheated Sensor, 480mm 1wire*



**250-21014**  
MAZDA (4) 1986-89  
*Unheated Sensor, 1000mm 1wire*



**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, 570mm 1wire*



**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, 925mm 1wire*



**250-21012**  
FORD (4) 1989 / MAZDA (4) 1983-89  
MER (4) 1988-94  
*Unheated Sensor, 655mm 1wire*



**250-21016**  
SUB (3) 1989-94  
*Unheated Sensor, 425mm 1wire*



**250-21013**  
JAG (6) 1976-87 / NISS (4,6) 1980-02  
PEUG (4) 1976-79 / SUB (3) 1987  
*Unheated Sensor, 270mm 1wire*



**250-21019**  
FORD (4) 1988-89 / MAZDA (2,4) 1984-88  
*Unheated Sensor, 375mm 1wire*



**250-21020**  
FORD (4) 1990-92 / MAZDA (2,4) 1990-95  
*Unheated Sensor, 555mm 1wire*



**250-21026**  
FORD (4) 1994-97 / MAZDA (2) 1989-91  
*Unheated Sensor, 375mm 1wire*



**250-21023**  
PORSCHE (4,6,8) 1980-83  
*Unheated Sensor, 475mm 1wire*



**250-21027**  
VW (4) 1984-85  
*Unheated Sensor, 780mm 1wire*



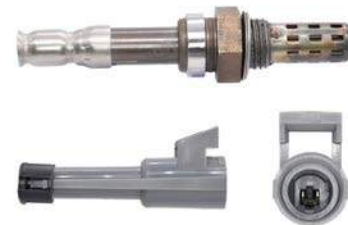
**250-21024**  
VW (4) 1979-83  
*Unheated Sensor, 480mm 1wire*



**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, 400mm 1wire*



**250-21025**  
CAD (8) 1979-80  
*Unheated Sensor, 175mm 1wire*



**250-21029**  
SAT (4) 1991-94  
*Unheated Sensor, 130mm 1wire*



**250-21030**  
SAT (4) 1994  
*Unheated Sensor, 140mm 1wire*



**250-21035**  
MAZDA (4) 1990-93  
*Unheated Sensor, 555mm 1wire*



**250-21031**  
HONDA (4) 1992-95  
*Unheated Sensor, 450mm 1wire*



**250-21036**  
PORSCHE (4) 1983-85  
*Unheated Sensor, 865mm 1wire*



**250-21033**  
HONDA (4) 1984-87  
*Unheated Sensor, 630mm 1wire*



**250-21051**  
TOY (4,6) 1980-92  
*Unheated Sensor, 350mm 1wire*



**250-21034**  
MAZDA (4) 1990-92  
*Unheated Sensor, 450mm 1wire*



**250-21053**  
GEO (4) 1993-95 / LEXUS (6) 1992-93  
TOY (4,6) 1992-95  
*Unheated Sensor, 325mm 1wire*





**250-21054**  
LEXUS (6) 1992-94 / TOY (4,6) 1992-95  
*Unheated Sensor, 450mm 1wire*



**250-21059**  
TOY (6) 1980  
*Unheated Sensor, 655mm 1wire*



**250-21055**  
TOY (4) 1992-93  
*Unheated Sensor, 505mm 1wire*



**250-21060**  
CHRY (4) 1987-89 / DODGE (4) 1984-86  
MITSU (4) 1983-89 / PLY (4) 1984-86  
*Unheated Sensor, 500mm 1wire*



**250-21056**  
CHEV (4) 1985-88 / DAIHATSU (3,4) 1988-92  
TOY (4,6) 1981-92  
*Unheated Sensor, 505mm 1wire*



**250-21061**  
DODGE (4) 1990 / MITSU (4) 1990  
*Unheated Sensor, 450mm 1wire*



**250-21058**  
TOY (4) 1983-86  
*Unheated Sensor, 500mm 1wire*



**250-21062**  
DODGE (4) 1989-91 / PLY (4) 1989-91  
*Unheated Sensor, 650mm 1wire*



**250-21065**  
LEXUS (6) 1993-94  
*Unheated Sensor, 350mm 1wire*



**250-22003**  
GEO (4) 1995-97 / TOY (4) 1992-97  
*Unheated Sensor, 480mm 2wire*



**250-21070**  
SUZ (4) 1989-94  
*Unheated Sensor, 450mm 1wire*



**250-22004**  
MAZDA (4) 1989-93  
*Unheated Sensor, 1110mm 2wire*



**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, 350mm 2wire*



**250-22006**  
MAZDA (4) 1989-94  
*Unheated Sensor, 1110mm 2wire*



**250-22002**  
DODGE (4) 1989-91 / EAGLE (4) 1989-94  
HYUN (4) 1989-93 / MITSU (4) 1989-94  
PLY (4) 1989-94  
*Unheated Sensor, 650mm 2wire*



**250-22007**  
AMC (6) 1980  
*Unheated Sensor, 500mm 2wire*



**250-22008**  
TOY (4) 1992-97  
*Unheated Sensor, 600mm 2wire*



**250-22013**  
CHEV (6) 1998-00 / PONT (6) 1998-00  
*Unheated Sensor, 320mm 2wire*



**250-22009**  
LEXUS (8) 1990-92  
*Unheated Sensor, 450mm 2wire*



**250-22014**  
JAG (8) 1998  
*Unheated Sensor, 505mm 2wire*



**250-22010**  
TOY (4) 1994-99  
*Unheated Sensor, 300mm 2wire*



**250-22051**  
GEO (4) 1993-95 / TOY (4) 1993-95  
*Unheated Sensor, 200mm 2wire*



**250-22011**  
LEXUS (8) 1993-94  
*Unheated Sensor, 450mm 2wire*



**250-22052**  
GEO (4) 1993-95 / TOY (4) 1991-95  
*Unheated Sensor, 425mm 2wire*



**250-22055**  
GEO (4) 1990-92 / TOY (4) 1990-92  
*Unheated Sensor, 425mm 2wire*



**250-22061**  
GEO (4) 1990-92 / TOY (6) 1988-89  
*Unheated Sensor, 315mm 2wire*



**250-22057**  
TOY (4) 1990-93  
*Unheated Sensor, 505mm 2wire*



**250-22062**  
GEO (4) 1989-90 / TOY (4) 1989  
*Unheated Sensor, 505mm 2wire*



**250-22058**  
TOY (4) 1996-99  
*Unheated Sensor, 300mm 2wire*



**250-22064**  
MITSU (6) 1988-90  
*Unheated Sensor, 200mm 2wire*



**250-22060**  
CHEV (4) 2000-03 / GMC (4) 2000-03  
OLDS (4) 2000-01 / PONT (4) 2000-02  
SAT (4) 2000-01  
*Unheated Sensor, 390mm 2wire*



**250-22065**  
DODGE (6) 1989 / MITSU (6) 1989  
*Unheated Sensor, 1215mm 2wire*



**250-22066**  
DODGE (4) 1991-94 / EAGLE (4) 1991-94  
MITSU (4) 1991-93 / PLY (4) 1991-94  
*Unheated Sensor, 630mm 2wire*



**250-23001**  
FORD (4,6,8) 1984-86 / LINC (8) 1985-87  
MER (4,6,8) 1984-86 / MERKUR (6) 1989  
*Heated Sensor, 275mm 3wire*



**250-22067**  
DODGE (4) 1990-93 / MITSU (4) 1990-95  
*Unheated Sensor, 450mm 2wire*



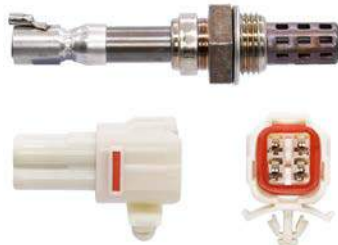
**250-23002**  
FORD (4,6,8) 1986-95 / LINC (6,8) 1987-92  
MAZDA (4) 1994 / MER (4,6,8) 1987-91  
*Heated Sensor, 275mm 3wire*



**250-22068**  
TOY (4) 1989-92  
*Unheated Sensor, 450mm 2wire*



**250-23003**  
CHRY (4,6) 1987-90 / DODGE (4,6,8) 1987-88  
PLY (4,6) 1987-88  
*Heated Sensor, 325mm 3wire*



**250-22069**  
LEXUS (6) 1990-91 / TOY (6) 1990-91  
*Unheated Sensor, 325mm 2wire*



**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, 390mm 3wire*



**250-23005**  
BUICK (6) 1993 / CHEV (6,8) 1990-95  
GMC (6,8) 1991-95 / OLDS (6) 1992-94  
PONT (6) 1993  
*Heated Sensor, 325mm 3wire*



**250-23016**  
BMW (6) 1984-88  
*Heated Sensor, 500mm 3wire*



**250-23007**  
FORD (4,6,8) 1987-92 / MER (4) 1987-91  
*Heated Sensor, 480mm 3wire*



**250-23018**  
VW (4) 1987-92  
*Heated Sensor, 985mm 3wire*



**250-23011**  
BUICK (6) 1993 / CHEV (6,8) 1993-96  
GMC (8) 1995 / OLDS (6) 1993 / PONT (6) 1993  
*Heated Sensor, 325mm 3wire*



**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, 985mm 3wire*



**250-23013**  
VW (4,5) 1990-95  
*Heated Sensor, 605mm 3wire*



**250-23023**  
VW (4) 1990-98  
*Heated Sensor, 580mm 3wire*



**250-23024**  
PORSCHE (6,8) 1983-87  
*Heated Sensor, 550mm 3wire*



**250-23029**  
PORSCHE (4) 1986-95  
*Heated Sensor, 935mm 3wire*



**250-23025**  
PORSCHE (4) 1983-88  
*Heated Sensor, 925mm 3wire*



**250-23031**  
BMW (4) 1985-91  
*Heated Sensor, 730mm 3wire*



**250-23027**  
ALFA (4,6) 1983-89  
*Heated Sensor, 885mm 3wire*



**250-23032**  
AUDI (6) 1992-93 / PEUG (4) 1985  
*Heated Sensor, 505mm 3wire*



**250-23028**  
AUDI (6) 1993-98 / FERRARI (8) 1986-89  
SAAB (4) 1987-89 / VOLVO (4,6) 1985-88  
*Heated Sensor, 710mm 3wire*



**250-23033**  
VOLVO (4,6) 1987-94  
*Heated Sensor, 1670mm 3wire*



**250-23034**  
BMW (6) 1987-88  
*Heated Sensor, 1760mm 3wire*



**250-23051**  
TOY (6) 1987-90  
*Heated Sensor, 500mm 3wire*



**250-23042**  
MAZDA (6) 1994-95  
*Heated Sensor, 350mm 3wire*



**250-23052**  
TOY (6) 1991-92  
*Heated Sensor, 500mm 3wire*



**250-23047**  
PEUG (4,6) 1986-91  
*Heated Sensor, 515mm 3wire*



**250-23060**  
PORSCHE (4,6,8) 1986-95  
*Heated Sensor, 700mm 3wire*



**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, 1215mm 3wire*



**250-23062**  
MERKUR (6) 1988-89  
*Heated Sensor, 1165mm 3wire*





**250-23063**  
M-B (6) 1990-93  
*Heated Sensor, 360mm 3wire*



**250-23070**  
VOLVO (4) 1994-95  
*Heated Sensor, 1875mm 3wire*



**250-23066**  
M-B (4) 1991-93  
*Heated Sensor, 525mm 3wire*



**250-23073**  
M-B (6,8) 1980-93  
*Heated Sensor, 755mm 3wire*



**250-23067**  
M-B (4,6) 1984-93  
*Heated Sensor, 325mm 3wire*



**250-23074**  
M-B (6,8) 1990-93  
*Heated Sensor, 450mm 3wire*



**250-23069**  
VOLVO (4) 1993  
*Heated Sensor, 1695mm 3wire*



**250-23075**  
MER (6) 1994-99 / NISS (4,6) 1984-15  
*Heated Sensor, 275mm 3wire*



**250-23078**  
SAAB (6) 1994-95  
*Heated Sensor, 480mm 3wire*



**250-23084**  
FORD (6) 1996-97 / KIA (4) 1995  
MAZDA (6) 1996-97  
*Heated Sensor, 370mm 3wire*



**250-23079**  
SAAB (4) 1994-95  
*Heated Sensor, 1100mm 3wire*



**250-23085**  
KIA (4) 1995-97 / MAZDA (4) 1994-99  
*Heated Sensor, 375mm 3wire*



**250-23080**  
VOLVO (4) 1994-95  
*Heated Sensor, 910mm 3wire*



**250-23086**  
MAZDA (6) 1988-91  
*Heated Sensor, 520mm 3wire*



**250-23083**  
SUB (4,6) 1990-97  
*Heated Sensor, 460mm 3wire*



**250-23087**  
INFINITI (6,8) 1991-01 / NISS (6) 1986-96  
*Heated Sensor, 600mm 3wire*



**250-23088**  
SUB (4) 1995-98  
*Heated Sensor, 450mm 3wire*



**250-23094**  
MAZDA (6) 1995-02  
*Heated Sensor, 350mm 3wire*



**250-23089**  
INFINITI (4,6,8) 1990-00 / MER (6) 1999-02  
NISS (4,6) 1984-03  
*Heated Sensor, 450mm 3wire*



**250-23095**  
MAZDA (6) 1995-96  
*Heated Sensor, 500mm 3wire*



**250-23091**  
SUB (4) 1996-99  
*Heated Sensor, 400mm 3wire*



**250-23096**  
FORD (6) 1996-97 / MAZDA (4,6) 1996-97  
*Heated Sensor, 290mm 3wire*



**250-23093**  
NISS (6) 1994-95  
*Heated Sensor, 1850mm 3wire*



**250-23097**  
MAZDA (6) 1995-02  
*Heated Sensor, 530mm 3wire*



**250-23100**  
SAAB (4) 1992-93  
*Heated Sensor, 1265mm 3wire*



**250-23109**  
INFINITI (6) 1997-00 / NISS (6) 1996-03  
*Heated Sensor, 935mm 3wire*



**250-23102**  
AUDI (5,8) 1990-95 / HYUN (4) 1993  
*Heated Sensor, 800mm 3wire*



**250-23113**  
AUDI (6) 1996-97  
*Heated Sensor, 425mm 3wire*



**250-23103**  
SUB (4) 1991-94  
*Heated Sensor, 175mm 3wire*



**250-23121**  
INFINITI (4,6) 2000-01 / NISS (4,6) 2000-01  
*Heated Sensor, 390mm 3wire*



**250-23104**  
INFINITI (6) 1996-99 / NISS (6) 1995-99  
*Heated Sensor, 755mm 3wire*



**250-23122**  
INFINITI (6) 2001-03 / NISS (6) 2001-02  
*Heated Sensor, 915mm 3wire*





**250-23123**  
HYUN (4) 1994-95  
*Heated Sensor, 510mm 3wire*



**250-23129**  
HYUN (4) 1995  
*Heated Sensor, 260mm 3wire*



**250-23124**  
VW (4) 1986-91  
*Heated Sensor, 680mm 3wire*



**250-23130**  
SAAB (4) 1993  
*Heated Sensor, 1840mm 3wire*



**250-23126**  
KIA (4) 1995  
*Heated Sensor, 575mm 3wire*



**250-23131**  
INFINITI (6) 2001-04 / NISS (4,6) 2001-09  
*Heated Sensor, 500mm 3wire*



**250-23128**  
SUZ (4) 1992-93  
*Heated Sensor, 450mm 3wire*



**250-23132**  
HYUN (4) 1994-95  
*Heated Sensor, 830mm 3wire*



**250-23133**  
INFINITI (6) 2000-01 / NISS (6) 2000-01  
*Heated Sensor, 680mm 3wire*



**250-23159**  
INFINITI (4) 2001-02 / NISS (4) 2001-04  
*Heated Sensor, 350mm 3wire*



**250-23135**  
INFINITI (6) 2001 / NISS (6) 2001  
*Heated Sensor, 940mm 3wire*



**250-23163**  
M-B (8) 1982-91  
*Heated Sensor, 975mm 3wire*



**250-23156**  
NISS (6) 2004  
*Heated Sensor, 325mm 3wire*



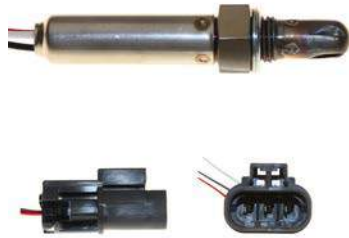
**250-23500**  
JEEP (4) 1986-90  
*Heated Sensor, 275mm 3wire*



**250-23157**  
NISS (6) 2004  
*Heated Sensor, 875mm 3wire*



**250-23501**  
DODGE (6) 1990 / EAGLE (4,6) 1988-90  
JEEP (6) 1987-90 / REN (4) 1987  
*Heated Sensor, 275mm 3wire*



**250-23502**  
NISS (4,6) 1986-96  
*Heated Sensor, 240mm 3wire*



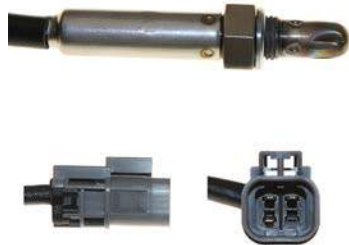
**250-23507**  
INFINITI (4) 1994-96  
*Heated Sensor, 400mm 3wire*



**250-23503**  
NISS (6) 1990-93  
*Heated Sensor, 1800mm 3wire*



**250-23508**  
SUB (4) 1988-90  
*Heated Sensor, 450mm 3wire*



**250-23504**  
NISS (6) 1987-89  
*Heated Sensor, 430mm 3wire*



**250-23509**  
MER (6) 1993 / NISS (6) 1990-94  
*Heated Sensor, 725mm 3wire*



**250-23505**  
INFINITI (6) 1996 / NISS (4,6) 1993-97  
*Heated Sensor, 480mm 3wire*



**250-23510**  
INFINITI (6) 1990-92  
*Heated Sensor, 530mm 3wire*



**250-23521**  
NISS (6) 1996  
*Heated Sensor, 485mm 3wire*



**250-23812**  
VOLVO (4) 1994-95  
*Heated Sensor, 1900mm 3wire*



**250-23523**  
NISS (4) 1987-96  
*Heated Sensor, 295mm 3wire*



**250-23822**  
VW (4) 1992  
*Heated Sensor, 985mm 3wire*



**250-23802**  
ROVER (8) 1987-95  
*Heated Sensor, 520mm 3wire*



**250-23827**  
VW (4) 1988-92  
*Heated Sensor, 1375mm 3wire*



**250-23811**  
VOLVO (4) 1989-92  
*Heated Sensor, 1720mm 3wire*



**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, 400mm 4wire*





**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, 490mm 4wire*



**250-24007**  
DODGE (4) 1989 / EAGLE (4) 1989-94  
MITSU (4) 1989-94 / PLY (4) 1989-94  
*Heated Sensor, 755mm 4wire*



**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, 605mm 4wire*



**250-24009**  
HYUN (6) 1990-93  
*Heated Sensor, 220mm 4wire*



**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, 300mm 4wire*



**250-24011**  
ACURA (4,5) 1992-01 / HONDA (4) 1990-01  
ISUZU (4) 1996-99  
*Heated Sensor, 300mm 4wire*



**250-24006**  
CAD (8) 1993-95 / OLDS (8) 1995  
*Heated Sensor, 315mm 4wire*



**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, 375mm 4wire*



**250-24013**  
DODGE (4,6,8) 1988-96 / EAGLE (6) 1991-92  
PLY (4) 1995-96  
*Heated Sensor, 910mm 4wire*



**250-24017**  
MITSU (4) 1994-06  
*Heated Sensor, 555mm 4wire*



**250-24014**  
DODGE (6) 1988-89  
*Heated Sensor, 1495mm 4wire*



**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, 375mm 4wire*



**250-24015**  
FORD (6) 1995-99 / MER (6) 1995-99  
*Heated Sensor, 375mm 4wire*



**250-24019**  
CHEV (6,8) 1996-02 / GMC (6,8) 1996-02  
*Heated Sensor, 375mm 4wire*



**250-24016**  
FORD (4) 1995-99 / MER (4) 1995-99  
*Heated Sensor, 680mm 4wire*



**250-24020**  
DODGE (4) 1993-94 / EAGLE (4) 1993-96  
MITSU (4) 1993-98 / PLY (4) 1993-94  
*Heated Sensor, 300mm 4wire*



**250-24021**  
BMW (6) 1993-95  
*Heated Sensor, 1425mm 4wire*



**250-24026**  
DODGE (6) 1994 / EAGLE (4) 1995-98  
MITSU (4,6) 1994-12  
*Heated Sensor, 985mm 4wire*



**250-24023**  
BMW (6) 1986-87  
*Heated Sensor, 1570mm 4wire*



**250-24030**  
PEUG (4) 1989-91  
*Heated Sensor, 1225mm 4wire*



**250-24024**  
BMW (6,12) 1987-95  
*Heated Sensor, 630mm 4wire*



**250-24034**  
M-B (6) 1993-95  
*Heated Sensor, 760mm 4wire*



**250-24025**  
BMW (4) 1991  
*Heated Sensor, 825mm 4wire*



**250-24035**  
BMW (12) 1988-94  
*Heated Sensor, 505mm 4wire*



**250-24038**  
M-B (6,8,12) 1990-96  
*Heated Sensor, 350mm 4wire*



**250-24049**  
SUZ (4,6) 1996-00  
*Heated Sensor, 325mm 4wire*



**250-24044**  
M-B (4,6) 1995-96  
*Heated Sensor, 640mm 4wire*



**250-24051**  
LEXUS (6) 1990-91 / TOY (4,6) 1988-92  
*Heated Sensor, 375mm 4wire*



**250-24046**  
BENTLEY (8) 1993-94 / ROLLS-ROYCE (8) 1993-95  
*Heated Sensor, 1010mm 4wire*



**250-24052**  
TOY (4,6) 1991-95  
*Heated Sensor, 530mm 4wire*



**250-24048**  
SAAB (6) 1996-97 / VOLVO (5) 1993-98  
*Heated Sensor, 2050mm 4wire*



**250-24053**  
TOY (4) 1988  
*Heated Sensor, 575mm 4wire*



**250-24055**  
TOY (4) 1988-91  
*Heated Sensor, 580mm 4wire*



**250-24066**  
VW (4,6) 1992-95  
*Heated Sensor, 625mm 4wire*



**250-24056**  
TOY (4,6) 1988-91  
*Heated Sensor, 505mm 4wire*



**250-24067**  
CHEV (4) 2006-17 / FORD (6) 1993-95  
MAZDA (4,6) 1992-00  
*Heated Sensor, 480mm 4wire*



**250-24059**  
GEO (4) 1990-92 / TOY (4) 1989-91  
*Heated Sensor, 250mm 4wire*



**250-24068**  
FORD (4,6) 1993-95 / MAZDA (4,6) 1992-06  
*Heated Sensor, 300mm 4wire*



**250-24060**  
SUZ (4) 1996-00  
*Heated Sensor, 520mm 4wire*



**250-24070**  
FORD (4,6,10) 1995-15 / MAZDA (4,6) 1995-04  
MER (4) 1996-99  
*Heated Sensor, 765mm 4wire*



**250-24072**  
FORD (4) 1996-97 / MAZDA (6) 1991-00  
*Heated Sensor, 870mm 4wire*



**250-24081**  
CHRY (6) 1996-00 / DODGE (4,6) 1996-00  
PLY (4,6) 1996-00  
*Heated Sensor, 310mm 4wire*



**250-24074**  
CHRY (4,6) 1996-00 / DODGE (4,6) 1997-98  
*Heated Sensor, 300mm 4wire*



**250-24082**  
CHRY (6) 1996-00 / DODGE (6) 1996-00  
PLY (4,6) 1996-00  
*Heated Sensor, 910mm 4wire*



**250-24075**  
CHRY (6) 1996-00 / DODGE (6) 1996-00  
*Heated Sensor, 1290mm 4wire*



**250-24083**  
CHRY (4) 1995-99 / DODGE (4) 1995-99  
EAGLE (4) 1995-98 / MITSU (4) 1995-99  
*Heated Sensor, 630mm 4wire*



**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, 600mm 4wire*



**250-24086**  
MAZDA (4,6) 1990-13  
*Heated Sensor, 400mm 4wire*



**250-24087**  
CAD (8) 1996-99 / CHEV (8) 1998-02  
PONT (8) 1998-02  
*Heated Sensor, 425mm 4wire*



**250-24097**  
ACURA (5,6) 1995-04  
*Heated Sensor, 755mm 4wire*



**250-24091**  
HYUN (4) 1992-93 / MITSU (4) 1991-92  
*Heated Sensor, 450mm 4wire*



**250-24099**  
ACURA (4,6) 1992-99 / HONDA (4,6) 1992-00  
*Heated Sensor, 425mm 4wire*



**250-24093**  
ACURA (6) 1991-04  
*Heated Sensor, 580mm 4wire*



**250-24101**  
INFINITI (6) 1997-00 / NISS (6) 1996-00  
*Heated Sensor, 1265mm 4wire*



**250-24095**  
ACURA (6) 1996-98  
*Heated Sensor, 630mm 4wire*



**250-24102**  
INFINITI (6) 1997-00 / NISS (6) 1996-03  
*Heated Sensor, 910mm 4wire*



**250-24103**  
INFINITI (8) 1997-01 / NISS (4) 1996-04  
*Heated Sensor, 300mm 4wire*



**250-24107**  
CHEV (4) 1998-02 / GEO (4) 1995-97  
TOY (4,6) 1995-06  
*Heated Sensor, 350mm 4wire*



**250-24104**  
FERRARI (12) 1995  
*Heated Sensor, 885mm 4wire*



**250-24109**  
VOLVO (5) 1993-94  
*Heated Sensor, 505mm 4wire*



**250-24105**  
ACURA (4) 1996-01 / HONDA (4) 1997-01  
*Heated Sensor, 385mm 4wire*



**250-24113**  
CHRY (4,6) 2001-04 / DODGE (6) 2002-04  
*Heated Sensor, 400mm 4wire*



**250-24106**  
LEXUS (6) 1998-05 / TOY (4,6) 1997-01  
*Heated Sensor, 580mm 4wire*



**250-24119**  
CHEV (4) 2011-14 / FIAT (4) 2004-13  
*Heated Sensor, 985mm 4wire*





**250-24121**  
ACURA (6) 1995-99 / HONDA (4) 1996-05  
ISUZU (4) 1996-99  
*Heated Sensor, 650mm 4wire*



**250-24127**  
FORD (4,6,8) 1990-10 / LINC (6) 2010-11  
MAZDA (4,6) 1991-11 / MER (4,6) 1998-10  
*Heated Sensor, 500mm 4wire*



**250-24123**  
MAZDA (4) 1994-00  
*Heated Sensor, 740mm 4wire*



**250-24128**  
KIA (4) 1996-97 / MAZDA (4,6) 1995-05  
*Heated Sensor, 810mm 4wire*



**250-24125**  
BMW (4,8,12) 1995-03  
*Heated Sensor, 555mm 4wire*



**250-24129**  
MAZDA (4) 1996-00  
*Heated Sensor, 500mm 4wire*



**250-24126**  
MITSU (6) 1990-91  
*Heated Sensor, 1240mm 4wire*



**250-24130**  
MAZDA (6) 1996-06  
*Heated Sensor, 660mm 4wire*



**250-24131**  
MAZDA (2,6) 1996-11  
*Heated Sensor, 450mm 4wire*



**250-24135**  
PORSCHE (6) 1995-01 / SAAB (4,6) 1996-00  
VOLVO (5) 1994-98  
*Heated Sensor, 740mm 4wire*



**250-24132**  
ALFA (6) 1993-95  
*Heated Sensor, 1140mm 4wire*



**250-24137**  
LEXUS (6) 1998-05 / TOY (4) 2001-04  
*Heated Sensor, 800mm 4wire*



**250-24133**  
PORSCHE (6) 1995-98 / VOLVO (5) 1998  
*Heated Sensor, 890mm 4wire*



**250-24138**  
INFINITI (8) 1996 / MISS (6) 1996  
*Heated Sensor, 730mm 4wire*



**250-24134**  
SAAB (4,6) 1996-98  
*Heated Sensor, 480mm 4wire*



**250-24139**  
FORD (6) 1997 / MAZDA (4,6) 1995-02  
*Heated Sensor, 650mm 4wire*



**250-24140**  
M-B (6) 1996  
*Heated Sensor, 275mm 4wire*



**250-24145**  
ALFA (6) 1994  
*Heated Sensor, 1695mm 4wire*



**250-24141**  
M-B (6) 1996  
*Heated Sensor, 620mm 4wire*



**250-24146**  
AUDI (4) 1997 / VW (4,6) 1996-99  
*Heated Sensor, 1140mm 4wire*



**250-24143**  
BMW (6) 2001-06 / M-B (6,8) 1996-02  
*Heated Sensor, 820mm 4wire*



**250-24147**  
AUDI (4,6,8) 1997-00 / VW (4,6) 1995-10  
*Heated Sensor, 740mm 4wire*



**250-24144**  
FERRARI (8,12) 1995-97  
*Heated Sensor, 600mm 4wire*



**250-24150**  
CHEV (4) 1988 / TOY (4,6) 1988-92  
*Heated Sensor, 235mm 4wire*



**250-24151**  
TOY (4,6) 1992-97  
*Heated Sensor, 350mm 4wire*



**250-24155**  
LEXUS (6) 1992-97 / TOY (4,6) 1994-00  
*Heated Sensor, 655mm 4wire*



**250-24152**  
TOY (4,6) 1988-89  
*Heated Sensor, 800mm 4wire*



**250-24156**  
TOY (4) 1990-95  
*Heated Sensor, 325mm 4wire*



**250-24153**  
LEXUS (6) 1996-97 / TOY (4,6) 1993-00  
*Heated Sensor, 555mm 4wire*



**250-24157**  
LEXUS (6) 1996-97 / TOY (6) 1995-97  
*Heated Sensor, 275mm 4wire*



**250-24154**  
LEXUS (8) 1998-05 / TOY (4,6,8) 1993-05  
*Heated Sensor, 410mm 4wire*



**250-24158**  
TOY (4) 1990-91  
*Heated Sensor, 325mm 4wire*



**250-24159**  
TOY (4,6) 2000-04  
*Heated Sensor, 925mm 4wire*



**250-24169**  
LEXUS (8) 1995-21 / TOY (4,6,8) 1998-20  
*Heated Sensor, 275mm 4wire*



**250-24160**  
MAZDA (6) 1997-00  
*Heated Sensor, 1015mm 4wire*



**250-24170**  
VW (6) 2002-05  
*Heated Sensor, 925mm 4wire*



**250-24162**  
MITSU (4) 2004-06  
*Heated Sensor, 325mm 4wire*



**250-24172**  
LEXUS (8) 1992-95  
*Heated Sensor, 810mm 4wire*



**250-24163**  
PORSCHE (6) 1994 / SAAB (4) 1996-99  
*Heated Sensor, 1100mm 4wire*



**250-24174**  
AUDI (6) 1996-99 / VW (6) 1998-00  
*Heated Sensor, 1725mm 4wire*



**250-24177**  
SAAB (6) 1996-00 / VOLVO (6) 1995-98  
*Heated Sensor, 1750mm 4wire*



**250-24187**  
LEXUS (6) 2006-13  
*Heated Sensor, 1100mm 4wire*



**250-24178**  
VOLVO (5) 1994  
*Heated Sensor, 540mm 4wire*



**250-24188**  
LEXUS (8) 2006-10 / PONT (4) 2009-10  
TOY (4) 2009-13  
*Heated Sensor, 800mm 4wire*



**250-24180**  
M-B (4) 1994-96  
*Heated Sensor, 980mm 4wire*



**250-24189**  
CHEV (4) 1998-00 / GEO (4) 1996-97  
*Heated Sensor, 605mm 4wire*



**250-24183**  
CHEV (4) 2006-10 / SUZ (4) 2006-08  
*Heated Sensor, 375mm 4wire*



**250-24192**  
VOLVO (5) 1993-94  
*Heated Sensor, 525mm 4wire*



**250-24194**  
VW (6) 1995  
*Heated Sensor, 885mm 4wire*



**250-24213**  
LEXUS (6,8) 2006-17  
*Heated Sensor, 550mm 4wire*



**250-24198**  
M-B (4) 1997-00  
*Heated Sensor, 1165mm 4wire*



**250-24220**  
LEXUS (8) 1990-95  
*Heated Sensor, 240mm 4wire*



**250-24202**  
CHEV (8) 1999-01 / GMC (8) 1999-01  
*Heated Sensor, 550mm 4wire*



**250-24224**  
EAGLE (4) 1993-98 / MITSU (4,6) 1993-07  
PLY (4) 1993-94  
*Heated Sensor, 550mm 4wire*



**250-24203**  
TOY (6) 2006-12  
*Heated Sensor, 400mm 4wire*



**250-24225**  
LEXUS (4,6) 1998-21 / TOY (6) 2002-18  
*Heated Sensor, 450mm 4wire*



**250-24226**  
LEXUS (6) 2001-05  
*Heated Sensor, 705mm 4wire*



**250-24231**  
DODGE (6) 1991-95 / EAGLE (4) 1993-98  
MITSU (4,6) 1991-99 / PLY (4) 1993  
*Heated Sensor, 385mm 4wire*



**250-24228**  
DODGE (4) 1993 / EAGLE (4) 1993-96  
MITSU (4) 1993-96 / PLY (4) 1993-94  
*Heated Sensor, 425mm 4wire*



**250-24232**  
DODGE (4) 1993-94 / EAGLE (4) 1993-96  
MITSU (4,6) 1993-03 / PLY (4) 1993-94  
*Heated Sensor, 610mm 4wire*



**250-24229**  
DODGE (4) 1993-94 / EAGLE (4) 1993-96  
MITSU (4,6) 1988-99 / PLY (4) 1993-94  
*Heated Sensor, 325mm 4wire*



**250-24233**  
CHRY (6) 2001-05 / DODGE (6) 2001-05  
MITSU (4,6) 1998-12  
*Heated Sensor, 470mm 4wire*



**250-24230**  
MITSU (4,6) 1992-99  
*Heated Sensor, 475mm 4wire*



**250-24234**  
MITSU (6) 1997-00  
*Heated Sensor, 325mm 4wire*





**250-24235**  
DODGE (6) 1994-96 / EAGLE (4) 1995-96  
MITSU (4,6) 1994-06  
*Heated Sensor, 675mm 4wire*



**250-24239**  
MITSU (6) 1995-11  
*Heated Sensor, 585mm 4wire*



**250-24236**  
DODGE (6) 1991-96 / MITSU (4,6) 1991-12  
*Heated Sensor, 800mm 4wire*



**250-24240**  
MITSU (6) 2004-12  
*Heated Sensor, 725mm 4wire*



**250-24237**  
DODGE (6) 1990-93 / MITSU (4,6) 1990-99  
*Heated Sensor, 600mm 4wire*



**250-24241**  
CHRY (6) 2001-05 / DODGE (6) 1995-05  
MITSU (6) 1994-12  
*Heated Sensor, 885mm 4wire*



**250-24238**  
DODGE (4) 1993 / MITSU (4) 1993-96  
*Heated Sensor, 425mm 4wire*



**250-24242**  
MITSU (4,6) 1998-12  
*Heated Sensor, 780mm 4wire*



**250-24243**

CHRY (4) 2001-05 / DODGE (4) 2001-05  
MITSU (4) 1999-05  
*Heated Sensor, 550mm 4wire*



**250-24249**

DODGE (8) 2001-02 / JEEP (8) 2001-04  
*Heated Sensor, 350mm 4wire*



**250-24244**

LEXUS (6) 2007-18  
*Heated Sensor, 1125mm 4wire*



**250-24251**

CHRY (6,8) 2005-07 / DODGE (8) 2005-07  
MITSU (8) 2006-07  
*Heated Sensor, 460mm 4wire*



**250-24245**

FORD (4) 1995-96 / KIA (4) 1995-97  
MAZDA (4,6) 1992-00 / MER (4) 1995-96  
*Heated Sensor, 550mm 4wire*



**250-24252**

DODGE (8) 2003-05  
*Heated Sensor, 460mm 4wire*



**250-24248**

BUICK (6) 2008-09 / CAD (8) 2002  
CHEV (8) 2000-02 / GMC (8) 2000-02  
PONT (6) 2008  
*Heated Sensor, 400mm 4wire*



**250-24253**

CHRY (4,6,8) 2003-20 / DODGE (4,6,8,10) 2001-20  
JEEP (4,6,8) 2004-20 / M-B (6,8) 2011-21  
MITSU (6) 2006-09 / RAM (6,8) 2011-20  
VW (6) 2009-12  
*Heated Sensor, 400mm 4wire*



**250-24259**  
DODGE (6,8,10) 2001-06 / JEEP (6) 2001-04  
*Heated Sensor, 460mm 4wire*



**250-24267**  
CAD (8) 2000-07 / CHEV (4,6,8) 2003-09  
GMC (8) 2003-07 / PONT (6,8) 2004-07  
SAT (6) 2007  
*Heated Sensor, 460mm 4wire*



**250-24261**  
TOY (6) 2009-15  
*Heated Sensor, 950mm 4wire*



**250-24269**  
BUICK (6,8) 2001-05 / CAD (8) 2000-04  
CHEV (4,6,8) 2000-07 / GMC (6,8) 2000-04  
HONDA (6) 2002 / ISUZU (6,8) 2002-04  
OLDS (6,8) 2000-04 / PONT (6) 2001-05  
*Heated Sensor, 400mm 4wire*



**250-24263**  
AUDI (4) 2001-02 / VW (6) 2004  
*Heated Sensor, 350mm 4wire*



**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, 310mm 4wire*



**250-24265**  
CHRY (4) 2001-04 / DODGE (4) 2001-04  
*Heated Sensor, 430mm 4wire*



**250-24274**  
CHEV (8) 2001-02 / GMC (8) 2001-02  
*Heated Sensor, 550mm 4wire*



**250-24275**  
CHEV (4) 1996-01 / PONT (4) 1999-01  
*Heated Sensor, 1425mm 4wire*



**250-24279**  
TOY (6) 1989-92  
*Heated Sensor, 820mm 4wire*



**250-24276**  
DODGE (8) 2001-02 / JEEP (8) 2001-04  
*Heated Sensor, 465mm 4wire*



**250-24280**  
HYUN (4,6) 1992-98 / MITSU (4) 1993-94  
*Heated Sensor, 325mm 4wire*



**250-24277**  
LEXUS (6) 1999-03 / TOY (6) 1993-03  
*Heated Sensor, 510mm 4wire*



**250-24281**  
TOY (6) 1988-92  
*Heated Sensor, 500mm 4wire*



**250-24278**  
TOY (6) 2000  
*Heated Sensor, 800mm 4wire*



**250-24282**  
TOY (4) 2000-03  
*Heated Sensor, 510mm 4wire*



**250-24284**  
INFINITI (6) 1999-01 / NISS (4,6) 1998-01  
*Heated Sensor, 920mm 4wire*



**250-24289**  
HYUN (4,6) 1992-01 / MITSU (4) 1993-94  
*Heated Sensor, 400mm 4wire*



**250-24285**  
INFINITI (6) 2001-04 / NISS (4,6) 2001-03  
*Heated Sensor, 900mm 4wire*



**250-24290**  
MAZDA (4) 2000-02 / SUB (4) 1999-01  
*Heated Sensor, 445mm 4wire*



**250-24286**  
INFINITI (6) 1999-01 / NISS (6) 1998-01  
*Heated Sensor, 1005mm 4wire*



**250-24291**  
SUZ (4,6) 2002-08  
*Heated Sensor, 525mm 4wire*



**250-24288**  
TOY (6) 1993-98  
*Heated Sensor, 840mm 4wire*



**250-24292**  
KIA (4) 1996-97 / MAZDA (4) 1995-98  
*Heated Sensor, 355mm 4wire*



**250-24293**  
FORD (4) 1996 / MER (4) 1996  
*Heated Sensor, 560mm 4wire*



**250-24301**  
FORD (4,6,8,10) 2003-19 / LINC (6) 2006-10  
MAZDA (4,6) 2005-10 / MER (4,6) 2005-09  
*Heated Sensor, 400mm 4wire*



**250-24294**  
CHRY (6) 2001-03 / DODGE (6) 2001-03  
*Heated Sensor, 385mm 4wire*



**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, 500mm 4wire*



**250-24295**  
SUB (4) 1999-04  
*Heated Sensor, 465mm 4wire*



**250-24305**  
LEXUS (6) 1994-05 / TOY (4,6,8) 1993-18  
*Heated Sensor, 480mm 4wire*



**250-24298**  
LEXUS (6,8) 1992-11 / PONT (4) 2003-06  
SCION (4) 2004-14 / TOY (4,6) 1992-15  
*Heated Sensor, 490mm 4wire*



**250-24307**  
VW (4) 1995  
*Heated Sensor, 665mm 4wire*



**250-24308**  
HONDA (4,6) 2000-03  
*Heated Sensor, 375mm 4wire*



**250-24324**  
CAD (6) 2007-11 / CHEV (6) 2008-09  
PONT (6) 2008-09 / SUZ (6) 2007-09  
*Heated Sensor, 375mm 4wire*



**250-24310**  
BMW (6) 1986-88  
*Heated Sensor, 615mm 4wire*



**250-24332**  
CAD (6) 1999-01  
*Heated Sensor, 375mm 4wire*



**250-24314**  
CHRY (4) 2001-03 / DODGE (4) 2001-03  
*Heated Sensor, 305mm 4wire*



**250-24333**  
SUZ (4) 2007-13  
*Heated Sensor, 610mm 4wire*



**250-24321**  
CHEV (4,8) 2004-05 / OLDS (4) 2002-04  
PONT (4) 2002-05  
*Heated Sensor, 1100mm 4wire*



**250-24334**  
CHEV (4) 2002-05 / PONT (4,6) 2002-05  
*Heated Sensor, 1250mm 4wire*



**250-24335**  
CHEV (3,4) 1998-01 / GEO (3,4) 1996-97  
SUZ (4) 1996-01  
*Heated Sensor, 635mm 4wire*



**250-24340**  
BUICK (6) 1996-04 / CHEV (4,6,8) 1996-12  
GMC (4) 1996-03 / ISUZU (4) 1997-00  
OLDS (6,8) 1996-04 / PONT (6,8) 1996-04  
*Heated Sensor, 320mm 4wire*



**250-24336**  
CHEV (4) 2001-03 / SUZ (4,6) 2001-06  
*Heated Sensor, 725mm 4wire*



**250-24341**  
KIA (4) 1996-02  
*Heated Sensor, 400mm 4wire*



**250-24338**  
CHEV (3,4) 1998-01 / GEO (3,4) 1994-97  
SUZ (4) 1993-01  
*Heated Sensor, 400mm 4wire*



**250-24342**  
CAD (6) 1997-98  
*Heated Sensor, 425mm 4wire*



**250-24339**  
BUICK (6,8) 2004-06 / CHEV (4,5,6,8) 2002-12  
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, 450mm 4wire*



**250-24343**  
ACURA (4,6) 1999-05 / HONDA (4,6) 1998-05  
*Heated Sensor, 480mm 4wire*





**250-24344**  
LEXUS (8) 2014-21 / TOY (4,6,8) 2012-20  
*Heated Sensor, 250mm 4wire*



**250-24348**  
ACURA (6) 1997-99  
*Heated Sensor, 890mm 4wire*



**250-24345**  
CHRY (4) 2003 / DODGE (4,6,8,10) 2001-06  
JEEP (4,6) 2001-04  
*Heated Sensor, 320mm 4wire*



**250-24349**  
DODGE (4) 2006-14 / HYUN (4) 2000-12  
KIA (4) 2004-11  
*Heated Sensor, 375mm 4wire*



**250-24346**  
ACURA (6) 2001-08 / HONDA (6) 2002-10  
SAT (6) 2004-07  
*Heated Sensor, 500mm 4wire*



**250-24350**  
SAT (4) 2000-01  
*Heated Sensor, 700mm 4wire*



**250-24347**  
ACURA (6) 1997-99  
*Heated Sensor, 800mm 4wire*



**250-24351**  
HYUN (4) 1996-97  
*Heated Sensor, 360mm 4wire*



**250-24353**  
SAAB (4) 2004-11 / SAT (6) 2000-05  
VOLVO (6) 2001  
*Heated Sensor, 1045mm 4wire*



**250-24357**  
HYUN (4) 1997-01  
*Heated Sensor, 260mm 4wire*



**250-24354**  
CHEV (4) 2005-11 / PONT (4) 2007-09  
SAT (4) 2000-07  
*Heated Sensor, 760mm 4wire*



**250-24358**  
HYUN (4) 1997-99  
*Heated Sensor, 330mm 4wire*



**250-24355**  
CAD (8) 2006-07 / 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, 430mm 4wire*



**250-24360**  
LEXUS (4,6,8) 1993-21 / PONT (4) 2009-10  
SCION (4) 2011-15 / TOY (4,6,8) 1994-18  
*Heated Sensor, 350mm 4wire*



**250-24356**  
HYUN (4) 1998-01  
*Heated Sensor, 425mm 4wire*



**250-24361**  
TOY (4) 1993-00  
*Heated Sensor, 230mm 4wire*



**250-24362**  
MAZDA (6) 1997-00  
*Heated Sensor, 950mm 4wire*



**250-24366**  
MAZDA (4,6) 1999-05  
*Heated Sensor, 465mm 4wire*



**250-24363**  
MAZDA (4) 1999-01  
*Heated Sensor, 880mm 4wire*



**250-24367**  
MAZDA (4,6) 1999-03  
*Heated Sensor, 660mm 4wire*



**250-24364**  
MAZDA (4) 2000-02  
*Heated Sensor, 320mm 4wire*



**250-24368**  
HYUN (4) 1999-05 / KIA (4) 2001-06  
*Heated Sensor, 575mm 4wire*



**250-24365**  
MAZDA (6) 2000-02  
*Heated Sensor, 600mm 4wire*



**250-24369**  
MAZDA (4,6) 1998-00  
*Heated Sensor, 500mm 4wire*



**250-24371**  
MER (6) 1999-02 / NISS (6) 1999-02  
*Heated Sensor, 640mm 4wire*



**250-24376**  
MAZDA (4,6) 2000-08  
*Heated Sensor, 610mm 4wire*



**250-24372**  
CHEV (6) 2001-04 / SUZ (4,6) 1999-07  
*Heated Sensor, 350mm 4wire*



**250-24377**  
MAZDA (6) 2000-02  
*Heated Sensor, 640mm 4wire*



**250-24373**  
SUB (4) 1999-06  
*Heated Sensor, 445mm 4wire*



**250-24378**  
MAZDA (6) 2000-01  
*Heated Sensor, 335mm 4wire*



**250-24374**  
CAD (6) 1997-98  
*Heated Sensor, 600mm 4wire*



**250-24379**  
HYUN (4) 1996-97  
*Heated Sensor, 450mm 4wire*



**250-24380**  
BMW (8) 1994-95  
*Heated Sensor, 360mm 4wire*



**250-24384**  
CHEV (4,6) 2004-10 / KIA (4) 2001-05  
MAZDA (6) 2000-08 / SUZ (4,6) 2004-05  
*Heated Sensor, 440mm 4wire*



**250-24381**  
BMW (8) 1994-95  
*Heated Sensor, 575mm 4wire*



**250-24385**  
VOLVO (6) 1996-98  
*Heated Sensor, 2150mm 4wire*



**250-24382**  
BMW (6) 1988-93  
*Heated Sensor, 1495mm 4wire*



**250-24386**  
M-B (6) 1995-96  
*Heated Sensor, 425mm 4wire*



**250-24383**  
HYUN (4,6) 1997-03 / KIA (6) 2002-05  
*Heated Sensor, 820mm 4wire*



**250-24387**  
M-B (4,6,8) 1996-02  
*Heated Sensor, 630mm 4wire*



**250-24388**  
KIA (4) 1998-02  
*Heated Sensor, 535mm 4wire*



**250-24392**  
BMW (6) 1996-06 / ROVER (8) 2003-05  
*Heated Sensor, 990mm 4wire*



**250-24389**  
GEO (4) 1992-93 / HONDA (6) 1994-95  
ISUZU (6) 1992-95  
*Heated Sensor, 310mm 4wire*



**250-24393**  
AUDI (8) 2000-03  
*Heated Sensor, 400mm 4wire*



**250-24390**  
BMW (4,8,12) 1996-03  
*Heated Sensor, 740mm 4wire*



**250-24394**  
AUDI (8) 2003-04  
*Heated Sensor, 870mm 4wire*



**250-24391**  
ACURA (5,6) 1995-08 / HONDA (4,6) 2003-10  
SAT (6) 2004-07  
*Heated Sensor, 650mm 4wire*



**250-24395**  
AUDI (6,8) 2000-04 / VW (6) 2000-05  
*Heated Sensor, 620mm 4wire*



**250-24397**  
INFINITI (6) 1997-99 / NISS (6) 1997-99  
*Heated Sensor, 560mm 4wire*



**250-24403**  
INFINITI (6,8) 2002-10 / NISS (4,6) 2002-19  
SUZ (6) 2009-12  
*Heated Sensor, 480mm 4wire*



**250-24398**  
ACURA (4) 1999-00 / HONDA (3,4) 1999-11  
*Heated Sensor, 320mm 4wire*



**250-24404**  
JAG (12) 1995-96 / TOY (4) 2000-05  
*Heated Sensor, 900mm 4wire*



**250-24399**  
SUZ (4) 1996-98  
*Heated Sensor, 635mm 4wire*



**250-24405**  
AUDI (6) 1994-97  
*Heated Sensor, 1230mm 4wire*



**250-24401**  
NISS (4) 1996-13  
*Heated Sensor, 740mm 4wire*



**250-24406**  
DAEWOO (4) 1999-02  
*Heated Sensor, 840mm 4wire*



**250-24407**  
SUZ (6) 1999-00  
*Heated Sensor, 605mm 4wire*



**250-24411**  
M-B (6,8) 1998-00  
*Heated Sensor, 700mm 4wire*



**250-24408**  
VOLVO (5) 1999-10  
*Heated Sensor, 810mm 4wire*



**250-24412**  
M-B (4) 1998-99  
*Heated Sensor, 460mm 4wire*



**250-24409**  
SAAB (4,6) 2000-09 / SAT (6) 2000-05  
VOLVO (5,6) 1999-13  
*Heated Sensor, 770mm 4wire*



**250-24413**  
M-B (6,8) 1998-00  
*Heated Sensor, 325mm 4wire*



**250-24410**  
SAAB (6) 2000-03 / VOLVO (6) 1999-01  
*Heated Sensor, 1640mm 4wire*



**250-24414**  
AUDI (6,8) 2000-04 / VW (6) 2000-05  
*Heated Sensor, 1690mm 4wire*





**250-24415**  
VOLVO (4) 2000-04  
*Heated Sensor, 890mm 4wire*



**250-24419**  
M-B (6,8) 1998-00  
*Heated Sensor, 610mm 4wire*



**250-24416**  
AUDI (6,8) 1996-99  
*Heated Sensor, 860mm 4wire*



**250-24420**  
LEXUS (4,6,8) 2004-18 / SCION (4) 2005-15  
TOY (4,6) 2002-18  
*Heated Sensor, 360mm 4wire*



**250-24417**  
AUDI (4,6) 1994-00 / VW (4,6) 1997-10  
*Heated Sensor, 1440mm 4wire*



**250-24422**  
HYUN (4,6) 1999-05 / KIA (6) 2004-06  
*Heated Sensor, 450mm 4wire*



**250-24418**  
INFINITI (6) 2002-04 / NISS (6) 2002-03  
*Heated Sensor, 1005mm 4wire*



**250-24423**  
PORSCHE (6) 1997-03  
*Heated Sensor, 260mm 4wire*



**250-24424**  
MAZDA (6) 1996-05  
*Heated Sensor, 810mm 4wire*



**250-24430**  
AUDI (8) 2001-03  
*Heated Sensor, 1620mm 4wire*



**250-24425**  
NISS (4) 1998-09  
*Heated Sensor, 1265mm 4wire*



**250-24431**  
SEAT (4) 2008-09 / VW (4,6) 1998-06  
*Heated Sensor, 650mm 4wire*



**250-24428**  
VOLVO (4) 2000-04  
*Heated Sensor, 970mm 4wire*



**250-24432**  
AUDI (4,6) 2000-06 / PORSCHE (6,8) 2003-06  
VW (4,6,12) 2000-16  
*Heated Sensor, 800mm 4wire*



**250-24429**  
ACURA (4) 2001-04 / HONDA (4) 2001-05  
*Heated Sensor, 540mm 4wire*



**250-24433**  
MER (6) 1999 / NISS (6) 1998-00  
*Heated Sensor, 830mm 4wire*



**250-24434**  
INFINITI (4) 2000-01 / NISS (4) 2000-02  
*Heated Sensor, 360mm 4wire*



**250-24438**  
HYUN (4) 2001-09 / KIA (4) 2005-10  
*Heated Sensor, 220mm 4wire*



**250-24435**  
INFINITI (6) 2001 / NISS (6) 2001  
*Heated Sensor, 1220mm 4wire*



**250-24439**  
JAG (6,8) 1997-08  
*Heated Sensor, 550mm 4wire*



**250-24436**  
NISS (4) 2000-01  
*Heated Sensor, 780mm 4wire*



**250-24440**  
MAZDA (4) 2016-20 / SAAB (4) 2005-06  
SCION (4) 2013-15 / SUB (4,6) 2001-14  
*Heated Sensor, 700mm 4wire*



**250-24437**  
INFINITI (4) 2001-02 / NISS (4,6) 2001-17  
*Heated Sensor, 365mm 4wire*



**250-24441**  
ACURA (6) 2000-05  
*Heated Sensor, 900mm 4wire*



**250-24442**  
SUZ (4) 1999-02  
*Heated Sensor, 525mm 4wire*



**250-24446**  
ACURA (4) 2005-06 / HONDA (4) 2001-05  
*Heated Sensor, 600mm 4wire*



**250-24443**  
SAT (4) 2003-04  
*Heated Sensor, 940mm 4wire*



**250-24447**  
CHEV (4) 2006-07 / KIA (4) 2002-04  
*Heated Sensor, 550mm 4wire*



**250-24444**  
BMW (6) 2001-08  
*Heated Sensor, 900mm 4wire*



**250-24448**  
INFINITI (6,8) 2002-10 / NISS (4,6) 2003-09  
*Heated Sensor, 380mm 4wire*



**250-24445**  
BMW (6) 2001-06  
*Heated Sensor, 820mm 4wire*



**250-24449**  
INFINITI (6) 2001-03 / NISS (6) 2001-02  
*Heated Sensor, 1215mm 4wire*



**250-24450**  
INFINITI (8) 2002-06 / NISS (4,6) 2003-08  
*Heated Sensor, 530mm 4wire*



**250-24454**  
NISS (4) 2002  
*Heated Sensor, 385mm 4wire*



**250-24451**  
NISS (6) 2003-04  
*Heated Sensor, 910mm 4wire*



**250-24455**  
ROVER (6,8) 2005-13 / VOLVO (5,6,8) 2004-16  
*Heated Sensor, 475mm 4wire*



**250-24452**  
INFINITI (8) 2002-06 / NISS (4,6) 2002-17  
*Heated Sensor, 370mm 4wire*



**250-24456**  
NISS (4) 2001-02  
*Heated Sensor, 780mm 4wire*



**250-24453**  
INFINITI (8) 2004-10 / NISS (4,8) 2003-15  
*Heated Sensor, 470mm 4wire*



**250-24457**  
NISS (6) 2002-04  
*Heated Sensor, 360mm 4wire*



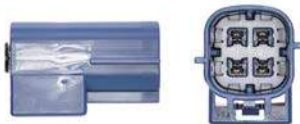
**250-24458**

NISS (6) 2003  
*Heated Sensor, 900mm 4wire*



**250-24462**

HYUN (6) 2002-09 / KIA (6) 2002-10  
*Heated Sensor, 525mm 4wire*



**250-24459**

NISS (6) 2003  
*Heated Sensor, 1210mm 4wire*



**250-24463**

M-B (6,8) 2001-03  
*Heated Sensor, 590mm 4wire*



**250-24460**

CHRY (4,6,8) 2004-10 / DODGE (4,6,8,10) 2001-14  
JEEP (6,8) 2004-11 / M-B (6,8) 2012-20  
MITSU (6) 2006-09 / RAM (8) 2011-18  
SRT (10) 2013-14 / VW (6) 2009-10  
*Heated Sensor, 475mm 4wire*



**250-24464**

BMW (6,8,12) 2006-14 / M-B (6,8) 2001-03  
*Heated Sensor, 425mm 4wire*



**250-24461**

HYUN (6) 2002-09 / KIA (6) 2003-10  
*Heated Sensor, 460mm 4wire*



**250-24465**

BMW (6,8) 2006-19 / M-B (6,8) 2001-09  
*Heated Sensor, 500mm 4wire*



**250-24466**  
BMW (6,8) 2008-12 / M-B (6,8) 2001-10  
*Heated Sensor, 750mm 4wire*



**250-24472**  
DODGE (4) 1993-94 / EAGLE (4) 1993-96  
MITSU (4) 1993-96 / PLY (4) 1993-94  
*Heated Sensor, 620mm 4wire*



**250-24468**  
M-B (4,6,8) 2000-13  
*Heated Sensor, 900mm 4wire*



**250-24473**  
HONDA (4) 2001-05  
*Heated Sensor, 350mm 4wire*



**250-24469**  
CHRY (6) 2004-08 / M-B (4,6,8,12) 1999-14  
*Heated Sensor, 470mm 4wire*



**250-24474**  
MAZDA (6) 2003-08  
*Heated Sensor, 1230mm 4wire*



**250-24470**  
BUICK (6,8) 2005-11 / CAD (8) 2003-15  
CHEV (4,6,8) 2003-17 / GMC (6,8) 2003-14  
ISUZU (8) 2005 / PONT (4,6,8) 2004-10  
SAAB (8) 2005 / SAT (4,6) 2005-10  
*Heated Sensor, 420mm 4wire*



**250-24475**  
MAZDA (4,6) 2001-05  
*Heated Sensor, 620mm 4wire*



**250-24476**  
ACURA (4) 2004-08 / HONDA (4) 2003-07  
*Heated Sensor, 1070mm 4wire*



**250-24482**  
JAG (8) 2010-15 / VOLVO (5,6,8) 2002-14  
*Heated Sensor, 875mm 4wire*



**250-24477**  
HONDA (3,4) 2001-06  
*Heated Sensor, 280mm 4wire*



**250-24483**  
LEXUS (8) 2001-06  
*Heated Sensor, 800mm 4wire*



**250-24478**  
BMW (6) 2001-08  
*Heated Sensor, 1120mm 4wire*



**250-24484**  
MITSU (4) 2003-06  
*Heated Sensor, 620mm 4wire*



**250-24479**  
NISS (6) 2000  
*Heated Sensor, 550mm 4wire*



**250-24485**  
JAG (8) 1997-99  
*Heated Sensor, 400mm 4wire*





**250-24486**  
PONT (4) 2003-08 / TOY (4) 2003-08  
*Heated Sensor, 540mm 4wire*



**250-24490**  
CHEV (4) 2004-07 / HONDA (6) 2001  
ISUZU (6) 2000-03 / PONT (8) 2004-06  
*Heated Sensor, 425mm 4wire*



**250-24487**  
SUB (4,6) 2005-20  
*Heated Sensor, 400mm 4wire*



**250-24491**  
BUICK (4) 2012-14 / CAD (8) 2003-06  
CHEV (6,8) 2003-17 / GMC (6,8) 2003-18  
HUM (8) 2003-10 / SAAB (8) 2008-11  
*Heated Sensor, 380mm 4wire*



**250-24488**  
CHEV (8) 2002-07 / GMC (8) 2002-07  
PONT (6) 2007 / SAT (6) 2007  
*Heated Sensor, 580mm 4wire*



**250-24492**  
BUICK (4) 2010-17 / CAD (8) 2007-10  
CHEV (4,8) 2003-17 / GMC (4,8) 2003-18  
PONT (4) 2009 / SAT (4) 2009  
*Heated Sensor, 550mm 4wire*



**250-24489**  
SCION (4) 2004-06 / TOY (4) 2003-05  
*Heated Sensor, 350mm 4wire*



**250-24493**  
AUDI (12) 2003-09 / BENTLEY (12) 2003  
VW (8) 2004-07  
*Heated Sensor, 1525mm 4wire*



**250-24494**  
AUDI (6) 2004-06 / VW (4,6,8,12) 1999-10  
*Heated Sensor, 950mm 4wire*



**250-24498**  
ROVER (6,8) 1999-05  
*Heated Sensor, 580mm 4wire*



**250-24495**  
BENTLEY (8) 2003-04 / VW (4,5) 1999-10  
*Heated Sensor, 500mm 4wire*



**250-24499**  
INFINITI (8) 1996  
*Heated Sensor, 620mm 4wire*



**250-24496**  
ROVER (6,8) 1999-04  
*Heated Sensor, 470mm 4wire*



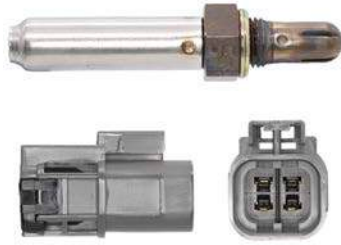
**250-24501**  
TOY (6) 1992-95  
*Heated Sensor, 500mm 4wire*



**250-24497**  
SAAB (4) 2003  
*Heated Sensor, 420mm 4wire*



**250-24505**  
NISS (6) 1989  
*Heated Sensor, 730mm 4wire*



**250-24506**  
NISS (6) 1987-88  
*Heated Sensor, 1160mm 4wire*



**250-24512**  
ROVER (8) 1994-99  
*Heated Sensor, 530mm 4wire*



**250-24507**  
GEO (4) 1990-92 / TOY (4) 1990-91  
*Heated Sensor, 225mm 4wire*



**250-24514**  
NISS (6) 1986-89  
*Heated Sensor, 1790mm 4wire*



**250-24508**  
TOY (6) 1990-91  
*Heated Sensor, 505mm 4wire*



**250-24515**  
BMW (6) 1998-00  
*Heated Sensor, 640mm 4wire*



**250-24509**  
ROVER (8) 2010-13  
*Heated Sensor, 1050mm 4wire*



**250-24516**  
BMW (6) 1997-99  
*Heated Sensor, 400mm 4wire*



**250-24517**  
HYUN (6) 1999-02 / KIA (6) 2001-03  
*Heated Sensor, 410mm 4wire*



**250-24552**  
FORD (4) 2003-07  
*Heated Sensor, 735mm 4wire*



**250-24518**  
HYUN (6) 1999-02 / KIA (6) 2001-03  
*Heated Sensor, 640mm 4wire*



**250-24577**  
CHEV (4) 2004-17 / DODGE (4) 2004-14  
FORD (4) 2003-15  
*Heated Sensor, 1080mm 4wire*



**250-24538**  
ROVER (4) 1999-01  
*Heated Sensor, 620mm 4wire*



**250-24585**  
NISS (4) 2002-10 / REN (4) 2002-09  
*Heated Sensor, 470mm 4wire*



**250-24546**  
MINI (4) 2007-16  
*Heated Sensor, 650mm 4wire*



**250-24601**  
ACURA (4,6) 1997-02 / HONDA (4,6) 1995-04  
*Heated Sensor, 860mm 4wire*



**250-24603**  
ROLLS-ROYCE (8) 1991  
*Heated Sensor, 730mm 4wire*



**250-24610**  
M-B (6,8,12) 1996-02  
*Heated Sensor, 480mm 4wire*



**250-24605**  
BMW (6,8) 1992-95  
*Heated Sensor, 330mm 4wire*



**250-24611**  
BMW (4,6,8,12) 1995-16 / ROVER (8) 2003-05  
*Heated Sensor, 350mm 4wire*



**250-24607**  
BMW (4,6,8) 1992-95  
*Heated Sensor, 425mm 4wire*



**250-24612**  
BUICK (4) 2013-21 / CAD (6) 2010-11  
CHEV (4) 2003-21 / PONT (6) 2008-09  
SAAB (6) 2010-11  
*Heated Sensor, 400mm 4wire*



**250-24609**  
M-B (4,6,8,12) 1996-03  
*Heated Sensor, 325mm 4wire*



**250-24613**  
BMW (6) 1989-92  
*Heated Sensor, 750mm 4wire*



**250-24615**  
CHEV (6) 1996  
*Heated Sensor, 1850mm 4wire*



**250-24619**  
BUICK (6) 1994  
*Heated Sensor, 325mm 4wire*



**250-24616**  
BUICK (4,6) 1996-98 / CHEV (4) 1995-02  
OLDS (4,6) 1996-98 / PONT (4,6) 1996-02  
*Heated Sensor, 1720mm 4wire*



**250-24620**  
HONDA (3,4,6) 1994-02  
*Heated Sensor, 340mm 4wire*



**250-24617**  
CHEV (4,6,8) 1997-03 / OLDS (4,6) 1997-04  
PONT (4,6) 1999-04  
*Heated Sensor, 1140mm 4wire*



**250-24621**  
ACURA (4) 2003 / HONDA (4) 1990-93  
*Heated Sensor, 475mm 4wire*



**250-24618**  
SAT (4) 1996-99  
*Heated Sensor, 705mm 4wire*



**250-24623**  
LEXUS (6,8) 1998-21 / TOY (4,6) 1996-09  
*Heated Sensor, 680mm 4wire*



**250-24625**  
M-B (6) 1994-95  
*Heated Sensor, 445mm 4wire*



**250-24629**  
FORD (4) 1996-97 / MAZDA (4,6) 1995-02  
*Heated Sensor, 325mm 4wire*



**250-24626**  
MER (6) 1996-98 / NISS (6) 1996-97  
*Heated Sensor, 1290mm 4wire*



**250-24630**  
DODGE (6) 1991-96 / MITSU (4,6) 1991-02  
*Heated Sensor, 480mm 4wire*



**250-24627**  
FORD (6) 1996-97 / MAZDA (6) 1996  
*Heated Sensor, 580mm 4wire*



**250-24631**  
MITSU (4,6) 1999-06  
*Heated Sensor, 725mm 4wire*



**250-24628**  
CHEV (4) 2006-08 / FORD (4,6) 1996-97  
MAZDA (6) 1996-06 / SUZ (4) 2006-08  
*Heated Sensor, 380mm 4wire*



**250-24632**  
NISS (4,6) 1996-03  
*Heated Sensor, 1165mm 4wire*



**250-24633**  
CHRY (4) 2001-05 / DODGE (4) 2001-04  
EAGLE (4) 1995-96 / MITSU (4,6) 1995-12  
*Heated Sensor, 700mm 4wire*



**250-24638**  
BMW (8,10,12) 2002-10  
*Heated Sensor, 450mm 4wire*



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



**250-24641**  
MAZDA (4) 2001-05  
*Heated Sensor, 1020mm 4wire*



**250-24636**  
INFINITI (6) 1996-97  
*Heated Sensor, 870mm 4wire*



**250-24644**  
TOY (4) 2005-19  
*Heated Sensor, 800mm 4wire*



**250-24637**  
INFINITI (6) 1996-97  
*Heated Sensor, 600mm 4wire*



**250-24645**  
TOY (6) 2004-16  
*Heated Sensor, 525mm 4wire*





**250-24646**  
JAG (12) 1995-96  
*Heated Sensor, 440mm 4wire*



**250-24650**  
PORSCHE (6) 2004  
*Heated Sensor, 260mm 4wire*



**250-24647**  
PORSCHE (6) 2000-03  
*Heated Sensor, 400mm 4wire*



**250-24651**  
FORD (4) 2003-11  
*Heated Sensor, 320mm 4wire*



**250-24648**  
CHEV (4) 2010-18 / PORSCHE (6,10) 2001-18  
SAAB (6) 2010-11  
*Heated Sensor, 575mm 4wire*



**250-24652**  
CHRY (6) 2004  
*Heated Sensor, 680mm 4wire*



**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, 520mm 4wire*



**250-24653**  
CHEV (4) 2005-08 / MITSU (4) 2004-06  
*Heated Sensor, 550mm 4wire*



**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, 480mm 4wire*



**250-24658**  
HYUN (6) 2003-06 / KIA (6) 2003-06  
*Heated Sensor, 730mm 4wire*



**250-24655**  
TOY (6) 2001-03  
*Heated Sensor, 300mm 4wire*



**250-24659**  
NISS (6) 2004  
*Heated Sensor, 1210mm 4wire*



**250-24656**  
FORD (4) 2003-07  
*Heated Sensor, 400mm 4wire*



**250-24660**  
MAZDA (4) 2004-07  
*Heated Sensor, 460mm 4wire*



**250-24657**  
BMW (8) 2004-06  
*Heated Sensor, 1140mm 4wire*



**250-24661**  
MAZDA (4) 2004-07  
*Heated Sensor, 800mm 4wire*



**250-24662**  
MITSU (4) 2004-12  
*Heated Sensor, 460mm 4wire*



**250-24671**  
AUDI (6,8,12) 2007-14 / PORSCHE (6,8) 2008-10  
VW (4,6) 2006-16  
*Heated Sensor, 800mm 4wire*



**250-24664**  
HONDA (3) 2002-06  
*Heated Sensor, 750mm 4wire*



**250-24672**  
AUDI (4,6,8) 2006-18 / SEAT (4) 2010-15  
VW (4,5,6) 2005-18  
*Heated Sensor, 800mm 4wire*



**250-24669**  
AUDI (6) 2005-11  
*Heated Sensor, 1000mm 4wire*



**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, 475mm 4wire*



**250-24670**  
AUDI (6) 2005-15  
*Heated Sensor, 1125mm 4wire*



**250-24676**  
MAZDA (4) 2004-17  
*Heated Sensor, 820mm 4wire*



**250-24677**  
BMW (6) 2003-06  
*Heated Sensor, 1000mm 4wire*



**250-24683**  
ROVER (6) 2005  
*Heated Sensor, 530mm 4wire*



**250-24678**  
FORD (4) 2003-07  
*Heated Sensor, 460mm 4wire*



**250-24684**  
LEXUS (6) 2006-21  
*Heated Sensor, 550mm 4wire*



**250-24680**  
CHRY (4,6,8) 2005-20 / DODGE (4,6,8) 2005-20  
FIAT (4) 2016-18 / JEEP (4,6,8) 2005-20  
M-B (6,8) 2011-20 / MITSU (6) 2006  
RAM (4,6,8) 2012-20 / SRT (10) 2013-14  
VW (6) 2011-12  
*Heated Sensor, 325mm 4wire*



**250-24685**  
LEXUS (6) 2006-20  
*Heated Sensor, 1130mm 4wire*



**250-24682**  
PORSCHE (6,8) 2005-18  
*Heated Sensor, 775mm 4wire*



**250-24686**  
M-B (6,8) 2006-13  
*Heated Sensor, 500mm 4wire*



**250-24687**  
HYUN (4) 2006-08 / KIA (4) 2006-08  
*Heated Sensor, 475mm 4wire*



**250-24691**  
CHEV (6) 2004-06 / SUZ (6) 2004-05  
*Heated Sensor, 600mm 4wire*



**250-24688**  
HYUN (4,6) 2006-19 / KIA (4,6) 2006-17  
*Heated Sensor, 750mm 4wire*



**250-24692**  
AUDI (8,10) 2007-15 / VW (5) 2005-11  
*Heated Sensor, 470mm 4wire*



**250-24689**  
AUDI (4,6,8,12) 2000-09 / VW (6) 2001-10  
*Heated Sensor, 1900mm 4wire*



**250-24693**  
MAZDA (4) 2006-08  
*Heated Sensor, 580mm 4wire*



**250-24690**  
HYUN (6) 2006-12 / KIA (6) 2006-10  
*Heated Sensor, 330mm 4wire*



**250-24694**  
CHEV (4,6) 2005-08  
*Heated Sensor, 700mm 4wire*



**250-24697**  
AUDI (12) 2005-09  
*Heated Sensor, 1700mm 4wire*



**250-24703**  
BUICK (8) 2006-11 / CAD (8) 2006-11  
CHEV (4,5,6,8) 2006-17 / GMC (5,6,8) 2006-13  
HUM (8) 2007-10 / ISUZU (5,6) 2006  
PONT (8) 2006-08 / SAAB (8) 2006-09  
*Heated Sensor, 430mm 4wire*



**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, 500mm 4wire*



**250-24704**  
BUICK (8) 2006-11 / CAD (8) 2006-11  
CHEV (4,6,8) 2006-15 / GMC (4,6,8) 2006-14  
HUM (8) 2008 / ISUZU (8) 2006  
PONT (4) 2008-10 / SAAB (8) 2006-09  
SAT (4) 2007-10  
*Heated Sensor, 420mm 4wire*



**250-24699**  
AUDI (6,8,10) 2006-11 / PORSCHE (6,8) 2008-10  
VW (4,6) 2006-10  
*Heated Sensor, 525mm 4wire*



**250-24707**  
HYUN (6) 2006-12 / KIA (6) 2006-10  
*Heated Sensor, 750mm 4wire*



**250-24701**  
FORD (6,8,10) 1999-12 / LINC (8) 2006-08  
MAZDA (6) 2001-03 / MER (6,8) 1999-01  
*Heated Sensor, 450mm 4wire*



**250-24708**  
BUICK (6) 2007-11 / CHEV (4,5,6) 2007-17  
GMC (4,5,6,8) 2007-17 / 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, 400mm 4wire*



**250-24709**  
MITSU (4) 2006  
Heated Sensor, 900mm 4wire



**250-24715**  
MAZDA (6) 2003-05  
Heated Sensor, 925mm 4wire



**250-24712**  
PORSCHE (6) 2006-19  
Heated Sensor, 700mm 4wire



**250-24717**  
AUDI (4,8,10) 2004-15 / VW (4,5,6,8) 2007-18  
Heated Sensor, 1300mm 4wire



**250-24713**  
BMW (6,8,12) 2006-19  
Heated Sensor, 600mm 4wire



**250-24718**  
MAZDA (4) 2006-09  
Heated Sensor, 775mm 4wire



**250-24714**  
ROVER (8) 2007-09  
Heated Sensor, 250mm 4wire



**250-24722**  
CAD (8) 2006-10  
Heated Sensor, 825mm 4wire



**250-24724**  
MAZDA (6) 2006-08  
*Heated Sensor, 1350mm 4wire*



**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, 675mm 4wire*



**250-24725**  
MAZDA (4) 2006-15  
*Heated Sensor, 450mm 4wire*



**250-24729**  
CAD (8) 2006-09  
*Heated Sensor, 975mm 4wire*



**250-24726**  
AUDI (8) 2007-10 / PORSCHE (6) 2011-18  
VW (8) 2007-09  
*Heated Sensor, 1325mm 4wire*



**250-24730**  
JAG (6,8) 2005-11  
*Heated Sensor, 500mm 4wire*



**250-24727**  
PONT (4) 2007 / SAT (4) 2007  
*Heated Sensor, 400mm 4wire*



**250-24732**  
MAZDA (4) 2005-08  
*Heated Sensor, 600mm 4wire*





**250-24733**  
CHEV (4) 2000-03  
*Heated Sensor, 750mm 4wire*



**250-24740**  
KIA (6) 2007-09  
*Heated Sensor, 850mm 4wire*



**250-24734**  
VW (4,6,8) 1998-06  
*Heated Sensor, 1100mm 4wire*



**250-24741**  
INFINITI (6,8) 2007-19 / NISS (4,6) 2007-17  
*Heated Sensor, 475mm 4wire*



**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, 400mm 4wire*



**250-24742**  
MITSU (4,6) 2007-14  
*Heated Sensor, 925mm 4wire*



**250-24739**  
HYUN (6) 2007-12 / KIA (6) 2007-09  
*Heated Sensor, 475mm 4wire*



**250-24743**  
CAD (8) 2005-06  
*Heated Sensor, 800mm 4wire*



**250-24744**  
VOLVO (6) 2007-14  
*Heated Sensor, 800mm 4wire*



**250-24748**  
VOLVO (5) 2003-04  
*Heated Sensor, 1250mm 4wire*



**250-24745**  
CHEV (4) 2008-10 / PONT (4) 2008-09  
SAT (4) 2007-10  
*Heated Sensor, 675mm 4wire*



**250-24749**  
FORD (6,8) 1990-10 / JAG (6,8) 2000-02  
LINC (6,8) 1998-06 / MAZDA (6) 2001-09  
MER (6,8) 1998-08  
*Heated Sensor, 280mm 4wire*



**250-24746**  
CAD (6) 2008-14 / CHEV (6) 2010-15  
*Heated Sensor, 350mm 4wire*



**250-24751**  
MITSU (4,6) 2008-17  
*Heated Sensor, 925mm 4wire*



**250-24747**  
TOY (4) 2003-05  
*Heated Sensor, 500mm 4wire*



**250-24752**  
DODGE (6) 2007-08 / M-B (6,8) 2010-15  
*Heated Sensor, 725mm 4wire*



**250-24753**  
AUDI (6) 2008-17  
Heated Sensor, 525mm 4wire



**250-24765**  
SAT (4) 2008  
Heated Sensor, 475mm 4wire



**250-24755**  
AUDI (6) 2008-09  
Heated Sensor, 975mm 4wire



**250-24767**  
AUDI (10) 2007-11 / PORSCHE (6) 2011-18  
Heated Sensor, 850mm 4wire



**250-24762**  
AUDI (6) 2008-09  
Heated Sensor, 1175mm 4wire



**250-24768**  
HYUN (4) 2007-12 / KIA (4) 2010-11  
Heated Sensor, 525mm 4wire



**250-24764**  
HONDA (4) 2006-09  
Heated Sensor, 675mm 4wire



**250-24769**  
MAZDA (4) 2008-10  
Heated Sensor, 650mm 4wire



**250-24770**  
SUZ (4) 2008-13  
*Heated Sensor, 250mm 4wire*



**250-24775**  
MINI (4) 2002-08  
*Heated Sensor, 625mm 4wire*



**250-24771**  
INFINITI (8) 2011-16 / NISS (4,6,8) 2002-19  
*Heated Sensor, 300mm 4wire*



**250-24776**  
FORD (4) 2008-13  
*Heated Sensor, 475mm 4wire*



**250-24772**  
SUZ (6) 2006  
*Heated Sensor, 425mm 4wire*



**250-24777**  
PONT (4) 2003-06 / TOY (4,6) 2003-21  
*Heated Sensor, 480mm 4wire*



**250-24773**  
BUICK (6) 2012-17 / CAD (6,8) 2005-19  
CHEV (6) 2008-20 / GMC (6) 2012-16  
PONT (6) 2008-09 / SUZ (6) 2007-09  
*Heated Sensor, 375mm 4wire*



**250-24779**  
DODGE (4) 2012-14 / HYUN (4) 2017-20  
KIA (4) 2010-11  
*Heated Sensor, 550mm 4wire*



**250-24780**  
HYUN (4) 2015  
*Heated Sensor, 750mm 4wire*



**250-24785**  
ACURA (4,6) 2007-20 / HONDA (6) 2008-19  
*Heated Sensor, 550mm 4wire*



**250-24782**  
MAZDA (4) 2007-12  
*Heated Sensor, 650mm 4wire*



**250-24786**  
ACURA (4) 2013-14 / HONDA (4,6) 2006-17  
*Heated Sensor, 350mm 4wire*



**250-24783**  
HYUN (6) 2002-09 / KIA (6) 2003-10  
*Heated Sensor, 650mm 4wire*



**250-24787**  
ACURA (6) 2017-20 / HONDA (6) 2008-12  
*Heated Sensor, 650mm 4wire*



**250-24784**  
HONDA (4) 1998-03  
*Heated Sensor, 550mm 4wire*



**250-24788**  
CHEV (8) 2011-13 / PONT (8) 2008-09  
*Heated Sensor, 325mm 4wire*



**250-24789**  
CHEV (4) 2006-17 / SUZ (6) 2006  
*Heated Sensor, 475mm 4wire*



**250-24796**  
PONT (4) 2004-06 / TOY (4) 2003-06  
*Heated Sensor, 550mm 4wire*



**250-24791**  
MAZDA (4) 2006-07  
*Heated Sensor, 675mm 4wire*



**250-24797**  
VW (4) 2003-06  
*Heated Sensor, 500mm 4wire*



**250-24794**  
NISS (4) 2007-13  
*Heated Sensor, 475mm 4wire*



**250-24798**  
ACURA (4) 2006-11 / HONDA (4) 2006-11  
*Heated Sensor, 600mm 4wire*



**250-24795**  
MAZDA (4) 2007-13  
*Heated Sensor, 375mm 4wire*



**250-24799**  
HONDA (4) 2007-09  
*Heated Sensor, 525mm 4wire*



**250-24804**  
ROVER (8) 1995-99  
*Heated Sensor, 520mm 4wire*



**250-24823**  
VW (6) 1993-94  
*Heated Sensor, 1080mm 4wire*



**250-24810**  
BMW (6) 1996-00  
*Heated Sensor, 990mm 4wire*



**250-24824**  
BMW (4) 1991  
*Heated Sensor, 935mm 4wire*



**250-24817**  
JAG (6) 1995-97  
*Heated Sensor, 735mm 4wire*



**250-24833**  
ACURA (4,6) 2009-20 / HONDA (4,6) 2008-18  
*Heated Sensor, 225mm 4wire*



**250-24820**  
FERRARI (8) 1990-94  
*Heated Sensor, 915mm 4wire*



**250-24835**  
CHRY (6) 2004-05 / DODGE (6) 2004-05  
*Heated Sensor, 475mm 4wire*



**250-24836**

BUICK (6,8) 2004-08 / CHEV (4,6,8) 2000-09  
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, 350mm 4wire*



**250-24840**

LEXUS (6) 2001-05  
*Heated Sensor, 925mm 4wire*



**250-24837**

LEXUS (6) 2006-15 / TOY (4,6) 2006-16  
*Heated Sensor, 650mm 4wire*



**250-24841**

PORSCHE (6) 2002-05 / SAAB (4) 2004-11  
*Heated Sensor, 550mm 4wire*



**250-24838**

TOY (4) 2004-05  
*Heated Sensor, 675mm 4wire*



**250-24842**

SAAB (4) 2003  
*Heated Sensor, 725mm 4wire*



**250-24839**

LEXUS (6,8) 1995-05 / TOY (4,6) 1997-19  
*Heated Sensor, 800mm 4wire*



**250-24843**

VW (4,6,8) 2000-07  
*Heated Sensor, 1250mm 4wire*





**250-24845**  
PONT (6) 2008-09  
*Heated Sensor, 300mm 4wire*



**250-24851**  
CHEV (4) 2009-11 / PONT (4) 2009-10  
*Heated Sensor, 350mm 4wire*



**250-24847**  
BUICK (4) 2013-21 / CAD (4) 2014-15  
CHEV (4) 2011-21  
*Heated Sensor, 525mm 4wire*



**250-24852**  
SUZ (6) 2009-10  
*Heated Sensor, 400mm 4wire*



**250-24849**  
HYUN (8) 2009-16 / KIA (8) 2009  
*Heated Sensor, 400mm 4wire*



**250-24853**  
M-B (8) 2013-14  
*Heated Sensor, 1475mm 4wire*



**250-24850**  
CHEV (4) 2009-11 / PONT (4) 2009-10  
*Heated Sensor, 400mm 4wire*



**250-24854**  
PORSCHE (6,8) 2009-19  
*Heated Sensor, 825mm 4wire*



**250-24856**  
HONDA (4) 2009-20  
*Heated Sensor, 825mm 4wire*



**250-24861**  
SUZ (4,6) 2009-13  
*Heated Sensor, 300mm 4wire*



**250-24857**  
M-B (8) 2009-15  
*Heated Sensor, 925mm 4wire*



**250-24864**  
HYUN (4) 2010-13 / KIA (4) 2009-16  
*Heated Sensor, 575mm 4wire*



**250-24859**  
MAZDA (4) 2009-13  
*Heated Sensor, 900mm 4wire*



**250-24867**  
NISS (6) 2004  
*Heated Sensor, 1125mm 4wire*



**250-24860**  
MAZDA (2) 2009-11  
*Heated Sensor, 275mm 4wire*



**250-24868**  
NISS (6) 2004  
*Heated Sensor, 850mm 4wire*



**250-24869**  
CAD (6) 2010-19 / CHEV (6) 2010-15  
SEAT (4) 2003-04  
*Heated Sensor, 400mm 4wire*



**250-24873**  
FORD (4) 2010-13  
*Heated Sensor, 1125mm 4wire*



**250-24870**  
LEXUS (4,6) 2011-17 / TOY (4,6) 2010-19  
*Heated Sensor, 575mm 4wire*



**250-24876**  
BMW (6) 1997  
*Heated Sensor, 975mm 4wire*



**250-24871**  
MAZDA (4) 2010-12  
*Heated Sensor, 725mm 4wire*



**250-24878**  
HYUN (4) 2009-15 / KIA (4) 2010-16  
*Heated Sensor, 600mm 4wire*



**250-24872**  
MAZDA (4) 2010-13  
*Heated Sensor, 325mm 4wire*



**250-24906**  
LEXUS (6) 2019-21 / TOY (6,8) 2003-21  
*Heated Sensor, 350mm 4wire*



**250-24908**

HYUN (6) 2010-19 / KIA (6) 2011-17  
*Heated Sensor, 425mm 4wire*



**250-24915**

ACURA (6) 2010-14 / HONDA (6) 2011-17  
*Heated Sensor, 600mm 4wire*



**250-24909**

HYUN (6) 2010-19 / KIA (6) 2011-17  
*Heated Sensor, 325mm 4wire*



**250-24916**

HYUN (4) 2010-12  
*Heated Sensor, 475mm 4wire*



**250-24913**

HYUN (4) 2009-14 / KIA (4) 2011-15  
*Heated Sensor, 525mm 4wire*



**250-24917**

ACURA (4,6) 2013-20 / HONDA (4,6) 2010-20  
*Heated Sensor, 350mm 4wire*



**250-24914**

TOY (4,6) 2011-15  
*Heated Sensor, 525mm 4wire*



**250-24921**

PEUG (4) 2006-08  
*Heated Sensor, 1825mm 4wire*



**250-24924**  
LEXUS (6,8) 2016-21 / TOY (4,6) 2016-21  
*Heated Sensor, 350mm 4wire*



**250-24942**  
CHRY (4,6) 1995-04 / DODGE (4,6,8,10) 1993-05  
EAGLE (6) 1996-97 / JEEP (4,6,8) 1996-01  
PLY (4,6) 1995-01  
*Heated Sensor, 400mm 4wire*



**250-24934**  
PORSCHE (6,8) 2010-16  
*Heated Sensor, 1225mm 4wire*



**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, 475mm 4wire*



**250-24935**  
PORSCHE (6,8) 2010-16  
*Heated Sensor, 950mm 4wire*



**250-24944**  
CHRY (4,6) 1998-03 / DODGE (4,6) 1998-03  
*Heated Sensor, 700mm 4wire*



**250-24940**  
VW (4) 2013-17  
*Heated Sensor, 550mm 4wire*



**250-24945**  
DODGE (4) 1997-00 / PLY (4) 1997-00  
*Heated Sensor, 850mm 4wire*



**250-24946**  
DODGE (4) 2000-02 / PLY (4) 2000-01  
*Heated Sensor, 450mm 4wire*



**250-24951**  
NISS (4,6) 2005-19 / SUZ (4,6) 2009-12  
*Heated Sensor, 275mm 4wire*



**250-24947**  
DODGE (8) 2000 / JEEP (8) 1999-00  
*Heated Sensor, 460mm 4wire*



**250-24953**  
AUDI (6) 2005-11 / SEAT (4) 2009-17  
VW (4,5) 2010-17  
*Heated Sensor, 600mm 4wire*



**250-24949**  
CHEV (4,6) 2005-08  
*Heated Sensor, 350mm 4wire*



**250-24954**  
AUDI (6,8,12) 2006-18 / VW (6) 2006-08  
*Heated Sensor, 675mm 4wire*



**250-24950**  
BUICK (8) 2006-07 / CHEV (8) 2006-07  
GMC (8) 2006-07 / ISUZU (8) 2006  
SAAB (8) 2006-07  
*Heated Sensor, 350mm 4wire*



**250-24955**  
AUDI (8,10,12) 2007-18 / PORSCHE (6) 2011-18  
VW (4) 2006-17  
*Heated Sensor, 675mm 4wire*



**250-24958**  
MAZDA (4) 2011-15  
*Heated Sensor, 450mm 4wire*



**250-24977**  
KIA (4) 2017-18  
*Heated Sensor, 500mm 4wire*



**250-24961**  
TOY (4) 2012-15  
*Heated Sensor, 300mm 4wire*



**250-24982**  
DODGE (4) 2013-14 / HYUN (4) 2012-20  
KIA (4) 2012-20  
*Heated Sensor, 700mm 4wire*



**250-24966**  
SEAT (4) 2008-17 / VW (4) 2015-17  
*Heated Sensor, 250mm 4wire*



**250-24983**  
FORD (6) 2011-19 / LINC (6) 2011-19  
MAZDA (6) 2011-15 / MER (6) 2011  
*Heated Sensor, 325mm 4wire*



**250-24976**  
FORD (4) 2013-19  
*Heated Sensor, 725mm 4wire*



**250-24987**  
HYUN (4) 2011-18 / KIA (4) 2014-18  
*Heated Sensor, 800mm 4wire*



**250-24988**  
HYUN (4) 2011-20 / KIA (4) 2014-20  
*Heated Sensor, 625mm 4wire*



**250-24992**  
FORD (8) 2011-14  
*Heated Sensor, 400mm 4wire*



**250-24989**  
FORD (4,6,8) 2011-19 / LINC (4,6) 2011-16  
MER (6) 2011  
*Heated Sensor, 450mm 4wire*



**250-24993**  
BMW (6) 2011-15  
*Heated Sensor, 925mm 4wire*



**250-24990**  
KIA (4) 2011  
*Heated Sensor, 1075mm 4wire*



**250-24994**  
AUDI (6) 2011-15 / VW (5) 2010  
*Heated Sensor, 700mm 4wire*



**250-24991**  
BMW (6) 2010-17  
*Heated Sensor, 750mm 4wire*



**250-24996**  
NISS (4) 2011-14  
*Heated Sensor, 375mm 4wire*





**250-24997**  
BMW (6) 2007-13  
*Heated Sensor, 375mm 4wire*



**250-241003**  
DODGE (4) 2013-16 / FIAT (4) 2009-20  
JEEP (4) 2015-18 / RAM (4) 2015-17  
*Heated Sensor, 325mm 4wire*



**250-24998**  
FORD (6) 2011-19 / LINC (6) 2011-19  
*Heated Sensor, 450mm 4wire*



**250-241010**  
PORSCHE (8) 2011-18  
*Heated Sensor, 800mm 4wire*



**250-24999**  
FORD (4,6) 2011-12 / LINC (6) 2011-12  
MER (4) 2011  
*Heated Sensor, 400mm 4wire*



**250-241023**  
FORD (4) 2012-18 / LINC (4) 2013-16  
*Heated Sensor, 700mm 4wire*



**250-241001**  
CHEV (4) 2011-15  
*Heated Sensor, 350mm 4wire*



**250-241027**  
BMW (4,6) 2007-18  
*Heated Sensor, 650mm 4wire*



**250-241034**

HYUN (6) 2012-19 / KIA (6) 2014-17  
*Heated Sensor, 600mm 4wire*



**250-241045**

ALFA (4) 2017-20 / FIAT (4) 2012-19  
*Heated Sensor, 700mm 4wire*



**250-241035**

M-B (4,6,8) 2012-21 / RAM (8) 2014-20  
*Heated Sensor, 700mm 4wire*



**250-241046**

HYUN (6) 2012-14 / KIA (6) 2014-16  
*Heated Sensor, 750mm 4wire*



**250-241040**

HYUN (4) 2015 / KIA (4) 2012-13  
*Heated Sensor, 475mm 4wire*



**250-241052**

FORD (8,10) 2011-16 / LINC (8) 2012-14  
*Heated Sensor, 400mm 4wire*



**250-241042**

ACURA (6) 1999-05 / HONDA (4) 1996-00  
*Heated Sensor, 470mm 4wire*



**250-241054**

AUDI (6) 2015-17  
*Heated Sensor, 425mm 4wire*



**250-241055**

ROVER (4) 2012-15  
Heated Sensor, 475mm 4wire



**250-241070**

VOLVO (5) 2013-16  
Heated Sensor, 400mm 4wire



**250-241058**

PEUG (4) 2006-08  
Heated Sensor, 1250mm 4wire



**250-241071**

JAG (4) 2013-15  
Heated Sensor, 1050mm 4wire



**250-241059**

FORD (4) 2013-20 / LINC (4) 2013-20  
Heated Sensor, 700mm 4wire



**250-241074**

MAZDA (4) 2013-20  
Heated Sensor, 650mm 4wire



**250-241068**

SUZ (6) 2006  
Heated Sensor, 700mm 4wire



**250-241075**

FORD (3) 2014-17  
Heated Sensor, 750mm 4wire



**250-241077**

M-B (8) 2015-21  
*Heated Sensor, 900mm 4wire*



**250-241099**

CHEV (4) 1998-02 / TOY (4) 1998-02  
*Heated Sensor, 410mm 4wire*



**250-241085**

VW (4,6) 2013-21  
*Heated Sensor, 850mm 4wire*



**250-241102**

NISS (4) 2008-10 / REN (4) 2011-17  
*Heated Sensor, 525mm 4wire*



**250-241089**

AUDI (6) 2015-19 / VW (4) 2014-17  
*Heated Sensor, 300mm 4wire*



**250-241104**

INFINITI (6) 2012-18 / NISS (4) 2012-19  
*Heated Sensor, 375mm 4wire*



**250-241090**

BMW (4) 2012-15  
*Heated Sensor, 700mm 4wire*



**250-241105**

INFINITI (4) 2014-17 / NISS (4,6) 2013-19  
*Heated Sensor, 300mm 4wire*



**250-241106**

INFINITI (6,8) 2013-19 / NISS (4,6) 2011-19  
*Heated Sensor, 375mm 4wire*



**250-241115**

CHEV (4) 1999-03 / SUZ (4,6) 1999-06  
*Heated Sensor, 325mm 4wire*



**250-241107**

INFINITI (8) 2016-19 / NISS (4,8) 2013-19  
*Heated Sensor, 400mm 4wire*



**250-241116**

LEXUS (6,8) 1998-10 / TOY (6) 1998  
*Heated Sensor, 450mm 4wire*



**250-241108**

CHEV (4) 2015-18 / INFINITI (6) 2013-15  
NISS (4,6) 2012-19  
*Heated Sensor, 475mm 4wire*



**250-241117**

CHRY (6,8) 2005-07 / DODGE (8) 2005-07  
JEEP (8) 2005-07 / MITSU (8) 2006-07  
*Heated Sensor, 460mm 4wire*



**250-241109**

REN (4) 2007-17  
*Heated Sensor, 400mm 4wire*



**250-241118**

DODGE (8) 2002-05  
*Heated Sensor, 460mm 4wire*



**250-241119**

CHEV (6,8) 2002-07 / GMC (6,8) 2002-07  
HUM (8) 2003-06  
*Heated Sensor, 460mm 4wire*



**250-241123**

HONDA (4) 2003-06  
*Heated Sensor, 320mm 4wire*



**250-241120**

CHEV (6) 2001-04 / SUZ (6) 2001-05  
*Heated Sensor, 610mm 4wire*



**250-241124**

HYUN (4,6) 1999-05 / KIA (4) 2001-06  
*Heated Sensor, 450mm 4wire*



**250-241121**

ACURA (6) 2000-03  
*Heated Sensor, 450mm 4wire*



**250-241125**

BUICK (6) 2004 / CAD (6) 2003-04  
SAAB (6) 2006-09 / SAT (6) 2002-03  
*Heated Sensor, 400mm 4wire*



**250-241122**

SAAB (4) 2000-09 / VOLVO (6) 2000-02  
*Heated Sensor, 1045mm 4wire*



**250-241126**

MAZDA (4) 2001-03 / SUZ (4) 2004-05  
*Heated Sensor, 325mm 4wire*



**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, 450mm 4wire*



**250-241133**

BUICK (4) 2014-20 / CAD (4,6,8) 2013-20  
CHEV (4,6,8) 2013-21 / GMC (4,8) 2015-21  
*Heated Sensor, 375mm 4wire*



**250-241128**

CHEV (4,6,8) 2006-17 / GMC (6,8) 2006-15  
*Heated Sensor, 400mm 4wire*



**250-241138**

JAG (4,6,8) 2013-20 / ROVER (4,6,8) 2013-19  
*Heated Sensor, 325mm 4wire*



**250-241129**

LEXUS (6) 2004-09 / TOY (6) 2004-13  
*Heated Sensor, 650mm 4wire*



**250-241139**

JAG (4,6,8) 2013-20 / ROVER (4,6) 2018-20  
*Heated Sensor, 400mm 4wire*



**250-241132**

BUICK (4) 2014-20 / CAD (4,8) 2013-20  
CHEV (4,6,8) 2013-21 / GMC (4,6,8) 2014-21  
*Heated Sensor, 375mm 4wire*



**250-241140**

JAG (4,6,8) 2013-20 / ROVER (6,8) 2013-20  
*Heated Sensor, 650mm 4wire*



**250-241141**  
ROVER (6,8) 2013-18  
*Heated Sensor, 500mm 4wire*



**250-241145**  
INFINITI (4) 2017-19 / M-B (4,12) 2013-20  
*Heated Sensor, 325mm 4wire*



**250-241142**  
AUDI (4,10,12) 2015-21 / VW (4) 2013-21  
*Heated Sensor, 775mm 4wire*



**250-241146**  
HYUN (4) 2013-14  
*Heated Sensor, 750mm 4wire*



**250-241143**  
AUDI (4) 2016-19 / PORSCHE (4) 2017-18  
VW (4) 2013-14  
*Heated Sensor, 425mm 4wire*



**250-241147**  
PORSCHE (6) 2014-16  
*Heated Sensor, 1450mm 4wire*



**250-241144**  
VW (4) 2013-16  
*Heated Sensor, 975mm 4wire*



**250-241148**  
HYUN (4) 2015  
*Heated Sensor, 900mm 4wire*





**250-241149**

KIA (4) 2014  
*Heated Sensor, 975mm 4wire*



**250-241159**

INFINITI (4) 2016-19 / M-B (4,12) 2013-21  
*Heated Sensor, 500mm 4wire*



**250-241150**

JAG (6,8) 2016-20 / ROVER (4,6,8) 2014-18  
*Heated Sensor, 575mm 4wire*



**250-241160**

SUB (4) 2014-20  
*Heated Sensor, 250mm 4wire*



**250-241151**

INFINITI (6) 2015-19 / NISS (4,6) 2015-19  
*Heated Sensor, 400mm 4wire*



**250-241161**

BMW (2,3,6) 2014-20  
*Heated Sensor, 550mm 4wire*



**250-241152**

JAG (4) 2018-20 / ROVER (4) 2014-19  
*Heated Sensor, 700mm 4wire*



**250-241162**

BUICK (6) 2017-20 / CAD (6,8) 2015-20  
CHEV (4,6,8) 2014-20 / GMC (6,8) 2014-20  
*Heated Sensor, 350mm 4wire*



**250-241166**

PEUG (4) 2017  
*Heated Sensor, 400mm 4wire*



**250-241178**

LEXUS (6) 2016-21 / TOY (6) 2017-19  
*Heated Sensor, 650mm 4wire*



**250-241175**

FORD (4,6) 2014-19  
*Heated Sensor, 550mm 4wire*



**250-241179**

BMW (6) 2015-20  
*Heated Sensor, 675mm 4wire*



**250-241176**

VOLVO (6) 2010-15  
*Heated Sensor, 375mm 4wire*



**250-241180**

LEXUS (6) 2016-21 / TOY (4,6) 2016-21  
*Heated Sensor, 425mm 4wire*



**250-241177**

MAZDA (4) 2016-18 / SCION (4) 2016  
TOY (4) 2015-18  
*Heated Sensor, 400mm 4wire*



**250-241181**

AUDI (12) 2012-16  
*Heated Sensor, 725mm 4wire*



**250-241182**

FORD (8,10) 2015-19  
*Heated Sensor, 700mm 4wire*



**250-241186**

FORD (6) 2015  
*Heated Sensor, 450mm 4wire*



**250-241183**

FORD (6) 2015-17 / LINC (6) 2015-18  
*Heated Sensor, 400mm 4wire*



**250-241187**

BUICK (4) 2015-17  
*Heated Sensor, 450mm 4wire*



**250-241184**

FORD (3,4,6) 2015-21 / LINC (4) 2016-21  
*Heated Sensor, 750mm 4wire*



**250-241188**

BUICK (3,4) 2016-22 / CHEV (3,4) 2016-22  
GMC (4) 2018-21  
*Heated Sensor, 325mm 4wire*



**250-241185**

FORD (6,8,10) 2015-20 / LINC (6) 2016-20  
*Heated Sensor, 475mm 4wire*



**250-241189**

BUICK (4) 2011-16  
*Heated Sensor, 350mm 4wire*



**250-241191**

TOY (6) 2015-16  
Heated Sensor, 625mm 4wire



**250-241198**

JAG (6,8) 2016-17  
Heated Sensor, 450mm 4wire



**250-241192**

BMW (3,4) 2016-20 / MINI (3,4) 2014-20  
Heated Sensor, 625mm 4wire



**250-241199**

FORD (4,6) 2016-21 / LINC (6) 2019-21  
Heated Sensor, 350mm 4wire



**250-241193**

M-B (12) 2016-18  
Heated Sensor, 1150mm 4wire



**250-241200**

LEXUS (6) 2016-21  
Heated Sensor, 1075mm 4wire



**250-241196**

HONDA (4) 2016-21  
Heated Sensor, 275mm 4wire



**250-241201**

AUDI (4) 2016-18 / VW (4) 2016-18  
Heated Sensor, 1100mm 4wire



**250-241205**  
LINC (6) 2014-15  
*Heated Sensor, 800mm 4wire*



**250-241209**  
TOY (6) 2017-20  
*Heated Sensor, 475mm 4wire*



**250-241206**  
FORD (6) 2016-19  
*Heated Sensor, 275mm 4wire*



**250-241210**  
NISS (6) 2015-17  
*Heated Sensor, 500mm 4wire*



**250-241207**  
PORSCHE (4,6) 2015-18  
*Heated Sensor, 500mm 4wire*



**250-241211**  
ALFA (4,6) 2015-19  
*Heated Sensor, 1025mm 4wire*



**250-241208**  
HONDA (4,6) 2016-21  
*Heated Sensor, 425mm 4wire*



**250-241212**  
BUICK (6) 2018-21 / CAD (6,8) 2016-21  
CHEV (6,8) 2016-21 / GMC (6,8) 2017-21  
*Heated Sensor, 325mm 4wire*



**250-241213**  
BMW (4,6,8,12) 2016-21  
*Heated Sensor, 850mm 4wire*



**250-241217**  
VOLVO (4) 2016-20  
*Heated Sensor, 375mm 4wire*



**250-241214**  
BMW (6) 2016-21  
*Heated Sensor, 550mm 4wire*



**250-241219**  
INFINITI (6) 2016-20  
*Heated Sensor, 300mm 4wire*



**250-241215**  
VOLVO (4) 2015-18  
*Heated Sensor, 600mm 4wire*



**250-241220**  
VOLVO (4) 2016-20  
*Heated Sensor, 425mm 4wire*



**250-241216**  
VOLVO (4) 2015-20  
*Heated Sensor, 550mm 4wire*



**250-241221**  
FORD (4) 2016-18  
*Heated Sensor, 800mm 4wire*



**250-241222**

AUDI (5,6) 2017-21 / VW (6) 2018-21  
Heated Sensor, 925mm 4wire



**250-241226**

FORD (4) 2017-20  
Heated Sensor, 450mm 4wire



**250-241223**

LEXUS (8) 2016  
Heated Sensor, 675mm 4wire



**250-241227**

FORD (4) 2018-19  
Heated Sensor, 1450mm 4wire



**250-241224**

HYUN (4) 2016-18  
Heated Sensor, 725mm 4wire



**250-241228**

VOLVO (4) 2016-20  
Heated Sensor, 550mm 4wire



**250-241225**

FORD (3,4) 2017-21  
Heated Sensor, 975mm 4wire



**250-241230**

ROVER (6,8) 2015-20  
Heated Sensor, 625mm 4wire



**250-241231**

JAG (4) 2018-20 / ROVER (4) 2018-19  
*Heated Sensor, 1075mm 4wire*



**250-241245**

TOY (4) 2015-18  
*Heated Sensor, 450mm 4wire*



**250-241234**

FIAT (4) 2017-20  
*Heated Sensor, 800mm 4wire*



**250-241246**

FORD (8) 2018-21  
*Heated Sensor, 600mm 4wire*



**250-241238**

CAD (6) 2018-21 / CHEV (6) 2018-21  
*Heated Sensor, 275mm 4wire*



**250-241247**

FORD (6,8) 2018-21 / LINC (6) 2019-21  
*Heated Sensor, 400mm 4wire*



**250-241242**

VW (4) 2018-21  
*Heated Sensor, 900mm 4wire*



**250-241252**

ACURA (4) 2019-20 / HONDA (4) 2018-21  
*Heated Sensor, 400mm 4wire*





**250-241253**

HONDA (6) 2018-20  
*Heated Sensor, 575mm 4wire*



**250-241257**

LEXUS (8) 2018-21  
*Heated Sensor, 700mm 4wire*



**250-241254**

ACURA (6) 2017-20  
*Heated Sensor, 475mm 4wire*



**250-241258**

PORSCHE (6) 2011-18  
*Heated Sensor, 850mm 4wire*



**250-241255**

NISS (4) 2018-19  
*Heated Sensor, 400mm 4wire*



**250-241259**

HONDA (4) 2018-21  
*Heated Sensor, 500mm 4wire*



**250-241256**

HONDA (4) 2017-21  
*Heated Sensor, 375mm 4wire*



**250-241261**

TOY (4) 2018-21  
*Heated Sensor, 525mm 4wire*



**250-241264**

TOY (8) 2018-21  
*Heated Sensor, 425mm 4wire*



**250-241269**

BUICK (3,4) 2020-22 / CAD (4) 2019-21  
CHEV (3,4,8) 2019-22 / GMC (4) 2019-21  
*Heated Sensor, 375mm 4wire*



**250-241266**

CHEV (8) 2020 / GMC (8) 2020  
*Heated Sensor, 725mm 4wire*



**250-241270**

SUB (4) 2013-20 / TOY (4) 2017-20  
*Heated Sensor, 550mm 4wire*



**250-241267**

CAD (8) 2019  
*Heated Sensor, 400mm 4wire*



**250-241272**

BMW (4,8) 2018-21  
*Heated Sensor, 700mm 4wire*



**250-241268**

CAD (8) 2021 / CHEV (6,8) 2018-21  
GMC (6,8) 2020-21  
*Heated Sensor, 400mm 4wire*



**250-241273**

AUDI (4) 2018-20  
*Heated Sensor, 525mm 4wire*



**250-241274**  
ROVER (4) 2019-20  
*Heated Sensor, 325mm 4wire*



**250-241278**  
MAZDA (4) 2018-20  
*Heated Sensor, 700mm 4wire*



**250-241275**  
ROVER (4) 2020  
*Heated Sensor, 1125mm 4wire*



**250-241280**  
AUDI (4,6) 2018-21 / VW (4) 2019-21  
*Heated Sensor, 775mm 4wire*



**250-241276**  
GENESIS (4) 2019-20 / HYUN (4,6) 2015-21  
KIA (4) 2016-19  
*Heated Sensor, 675mm 4wire*



**250-241281**  
MAZDA (4) 2019-20  
*Heated Sensor, 425mm 4wire*



**250-241277**  
GENESIS (6) 2017-20 / HYUN (6) 2015-16  
*Heated Sensor, 275mm 4wire*



**250-241282**  
GENESIS (8) 2017-20  
*Heated Sensor, 350mm 4wire*



**250-25001**

ACURA (6) 2003-08 / HONDA (6) 2003-08  
SAT (6) 2004-07  
*Wideband Sensor, 325mm 5wire*



**250-25005**

CAD (6,8) 2004-06 / INFINITI (6,8) 2004-10  
NISS (4,6,8) 2000-12 / SUB (4) 2000-02  
SUZ (4) 2009 / VOLVO (5) 1999  
*Wideband Sensor, 600mm 5wire*



**250-25002**

AUDI (12) 2003-07 / BMW (8) 2002-06  
BUICK (6) 2004-08 / VW (6) 2004-06  
*Wideband Sensor, 600mm 5wire*



**250-25006**

CAD (8) 2005-06 / PORSCHE (10) 2001-05  
VOLVO (5,6) 2000-09  
*Wideband Sensor, 1200mm 5wire*



**250-25003**

BENTLEY (12) 2003 / BMW (8,12) 2002-08  
M-B (4) 2003-13 / PORSCHE (6,8) 2003-06  
SEAT (4) 2003-04 / VW (4,6,8,12) 1999-10  
*Wideband Sensor, 900mm 5wire*



**250-25007**

AUDI (4,6,8,12) 2002-09 / PORSCHE (6) 2004-06  
VW (6,8,12) 2002-06  
*Wideband Sensor, 850mm 5wire*



**250-25004**

AUDI (6,8) 2004-06 / BMW (6,8) 2003-05  
PORSCHE (8) 2003-06 / VW (4) 2000-06  
*Wideband Sensor, 1450mm 5wire*



**250-25008**

AUDI (4,6,8) 2001-06 / BENTLEY (12) 2003  
PORSCHE (8) 2003-06 / VW (6,8) 2001-09  
*Wideband Sensor, 1500mm 5wire*



**250-25009**  
VOLVO (6) 1999-04  
*Wideband Sensor, 780mm 5wire*



**250-25015**  
AUDI (8,10) 2007-15 / PORSCHE (6) 2005-08  
*Wideband Sensor, 850mm 5wire*



**250-25010**  
CAD (6) 1999-01 / SAT (6) 2000-05  
*Wideband Sensor, 565mm 5wire*



**250-25016**  
BMW (6) 2003-06  
*Wideband Sensor, 1000mm 5wire*



**250-25011**  
VOLVO (6) 2000-05  
*Wideband Sensor, 1310mm 5wire*



**250-25017**  
AUDI (4,6) 2005-19 / DODGE (4) 2013-14  
FIAT (4) 2012-17 / HYUN (4) 2009-20  
KIA (4) 2009-17  
*Wideband Sensor, 650mm 5wire*



**250-25012**  
HYUN (4) 2004-09 / KIA (4) 2004-09  
*Wideband Sensor, 550mm 5wire*



**250-25018**  
BMW (6) 2006-16 / M-B (4,8) 2012-16  
*Wideband Sensor, 1525mm 5wire*



**250-25019**  
AUDI (12) 2007  
*Wideband Sensor, 525mm 5wire*



**250-25026**  
AUDI (6,10) 2006-11 / FORD (6) 2020-21  
VW (6,12) 2006-08  
*Wideband Sensor, 800mm 5wire*



**250-25020**  
AUDI (8,12) 2005-10  
*Wideband Sensor, 1775mm 5wire*



**250-25027**  
AUDI (10) 2007  
*Wideband Sensor, 925mm 5wire*



**250-25021**  
AUDI (12) 2005-07  
*Wideband Sensor, 1900mm 5wire*



**250-25028**  
AUDI (8,12) 2005-15  
*Wideband Sensor, 1700mm 5wire*



**250-25025**  
AUDI (10) 2008-09 / FORD (4,6,8) 2014-21  
LINC (4,6) 2016-21 / PORSCHE (6) 2009-18  
VW (6) 2007-08  
*Wideband Sensor, 500mm 5wire*



**250-25029**  
MAZDA (4) 2006-13  
*Wideband Sensor, 500mm 5wire*



**250-25030**  
AUDI (10) 2007  
*Wideband Sensor, 475mm 5wire*



**250-25034**  
AUDI (10) 2017-21 / CHEV (4) 2008-10  
DODGE (6) 2007-10 / FIAT (4) 2011-15  
FORD (4,6,8,10) 2008-19 / GENESIS (6,8) 2017-20  
HONDA (4) 2017-21 / HYUN (4,6) 2011-21  
KIA (4,6) 2014-20 / LINC (4,6) 2009-16  
MER (6) 2008-09 / PEUG (4) 2014  
PONT (4) 2007-09 / PORSCHE (6) 2009-10  
RAM (6) 2011-12 / ROVER (4) 2012-15  
SAT (4) 2007-10 / VW (6) 2007-10  
*Wideband Sensor, 400mm 5wire*



**250-25031**  
PORSCHE (6,8) 2008-16  
*Wideband Sensor, 1450mm 5wire*



**250-25035**  
AUDI (4,6) 2006-16 / BMW (6) 2009-18  
DODGE (4) 2013-14 / FORD (3,6,8) 2009-19  
HYUN (4) 2012-17 / KIA (4) 2012-16  
LINC (6,8) 2009-18 / PORSCHE (6,8) 2008-19  
SAAB (6) 2006-09 / SEAT (4) 2010-15  
VW (4,6) 2005-17  
*Wideband Sensor, 725mm 5wire*



**250-25032**  
AUDI (10) 2007  
*Wideband Sensor, 1275mm 5wire*



**250-25036**  
VW (4,5,10) 2004-08  
*Wideband Sensor, 950mm 5wire*



**250-25033**  
AUDI (12) 2015-16 / PORSCHE (6) 2010-19  
VW (5,6,12) 2005-16  
*Wideband Sensor, 900mm 5wire*



**250-25037**  
AUDI (4,6,10) 2005-13 / VW (4,5,6,10) 2006-18  
*Wideband Sensor, 1325mm 5wire*



**250-25038**  
AUDI (8,10) 2007-12 / CAD (6,8) 2005-08  
*Wideband Sensor, 400mm 5wire*



**250-25042**  
BMW (4,6,8) 2006-18 / JEEP (6) 2007-09  
M-B (4,6,8,12) 2007-21 / MINI (4) 2007-08  
SMART (3) 2008-15  
*Wideband Sensor, 375mm 5wire*



**250-25039**  
AUDI (8) 2007-10 / PORSCHE (6) 2006-11  
*Wideband Sensor, 725mm 5wire*



**250-25043**  
BMW (4,6,8) 2006-17 / DODGE (6) 2007-08  
INFINITI (4,6) 2016-19 / M-B (4,6,8,12) 2005-21  
*Wideband Sensor, 550mm 5wire*



**250-25040**  
AUDI (4,6,10,12) 2004-17 / FORD (3,6) 2015-21  
LINC (6) 2019-21 / PORSCHE (6,8) 2010-16  
SEAT (4) 2011 / VW (4,5,6,12) 2006-18  
*Wideband Sensor, 750mm 5wire*



**250-25044**  
BMW (8,10,12) 2006-10 / M-B (4,6,8) 2009-20  
MINI (4) 2007-12  
*Wideband Sensor, 700mm 5wire*



**250-25041**  
AUDI (10) 2007  
*Wideband Sensor, 1325mm 5wire*



**250-25045**  
BMW (6) 2010-12 / DODGE (5,6) 2003-09  
M-B (6,8) 2006-21  
*Wideband Sensor, 825mm 5wire*





**250-25046**  
BMW (4,6,8) 2006-18 / M-B (8) 2015-21  
*Wideband Sensor, 1050mm 5wire*



**250-25050**  
AUDI (12) 2008-09 / FORD (3) 2020-21  
*Wideband Sensor, 925mm 5wire*



**250-25047**  
BMW (6) 2007-16  
*Wideband Sensor, 1200mm 5wire*



**250-25051**  
AUDI (12) 2008-09 / PORSCHE (6) 2011-18  
VW (6) 2011-15  
*Wideband Sensor, 1575mm 5wire*



**250-25048**  
BMW (6) 2008-12 / M-B (6,8) 2005-09  
*Wideband Sensor, 1300mm 5wire*



**250-25052**  
AUDI (12) 2008-09 / VW (5,6) 2009-16  
*Wideband Sensor, 1725mm 5wire*



**250-25049**  
ALFA (4) 2015-18 / AUDI (4,6,10) 2013-21  
FORD (4,6,8,10) 2009-20 / HYUN (4,6) 2011-21  
JAG (4) 2013-15 / KIA (4,6) 2012-20  
LINC (4,6,8) 2009-20 / MAZDA (4) 2009-10  
MER (4) 2009-11 / PORSCHE (6) 2011-18  
VW (4,6) 2009-18  
*Wideband Sensor, 550mm 5wire*



**250-25053**  
VW (10) 2004  
*Wideband Sensor, 1050mm 5wire*



**250-25054**  
VW (10) 2004  
*Wideband Sensor, 1000mm 5wire*



**250-25059**  
ACURA (6) 2009-20 / HONDA (6) 2008-19  
*Wideband Sensor, 275mm 5wire*



**250-25055**  
HONDA (3,4) 1992-01  
*Wideband Sensor, 425mm 5wire*



**250-25060**  
FORD (6) 2010 / MAZDA (6) 2009-10 / MER (6) 2010  
*Wideband Sensor, 290mm 5wire*



**250-25056**  
ACURA (6) 2007-10 / HONDA (6) 2007-10  
*Wideband Sensor, 300mm 5wire*



**250-25062**  
ALFA (4) 2017-20 / GENESIS (4) 2019-20  
HYUN (4) 2009-21 / KIA (4) 2010-20  
SEAT (4) 2009  
*Wideband Sensor, 475mm 5wire*



**250-25058**  
FIAT (4) 2015-20 / JEEP (4) 2015-18  
*Wideband Sensor, 850mm 5wire*



**250-25063**  
MAZDA (4) 2010-13  
*Wideband Sensor, 325mm 5wire*



**250-25064**  
AUDI (6) 2013-14  
*Wideband Sensor, 815mm 5wire*



**250-25068**  
MAZDA (4) 2010-11  
*Wideband Sensor, 500mm 5wire*



**250-25065**  
HYUN (4) 2010-13 / KIA (4) 2011-13  
*Wideband Sensor, 700mm 5wire*



**250-25069**  
MAZDA (4) 2006-08  
*Wideband Sensor, 650mm 5wire*



**250-25066**  
MAZDA (4) 2006-12  
*Wideband Sensor, 800mm 5wire*



**250-25073**  
PORSCHE (6,8) 2010-16  
*Wideband Sensor, 1050mm 5wire*



**250-25067**  
MAZDA (4) 2007-13  
*Wideband Sensor, 800mm 5wire*



**250-25077**  
FORD (6) 2020-21 / LINC (6) 2020-21  
PORSCHE (6) 2015-18  
*Wideband Sensor, 1050mm 5wire*



**250-25078**  
SEAT (4) 2013-17  
*Wideband Sensor, 550mm 5wire*



**250-25082**  
ACURA (6) 2014-20 / HONDA (6) 2008-17  
*Wideband Sensor, 250mm 5wire*



**250-25079**  
PORSCHE (6) 2002-05 / VOLVO (5) 2004-13  
*Wideband Sensor, 750mm 5wire*



**250-25083**  
MITSU (4) 2011-15  
*Wideband Sensor, 1050mm 5wire*



**250-25080**  
VW (6) 2004  
*Wideband Sensor, 1025mm 5wire*



**250-25084**  
MITSU (4) 2010-14  
*Wideband Sensor, 700mm 5wire*



**250-25081**  
AUDI (6) 2011-15  
*Wideband Sensor, 1300mm 5wire*



**250-25085**  
MAZDA (4) 2012-15  
*Wideband Sensor, 350mm 5wire*



**250-25086**  
FORD (4,6) 2010-16 / LINC (6) 2011-16  
MAZDA (4,6) 2010-15 / MER (4,6) 2010-11  
*Wideband Sensor, 425mm 5wire*



**250-25090**  
MAZDA (4) 2009-13  
*Wideband Sensor, 550mm 5wire*



**250-25087**  
BMW (4,8,12) 2008-19 / MINI (4) 2011-16  
*Wideband Sensor, 475mm 5wire*



**250-25091**  
M-B (6) 2010-13  
*Wideband Sensor, 550mm 5wire*



**250-25088**  
M-B (6) 2010-15  
*Wideband Sensor, 330mm 5wire*



**250-25092**  
AUDI (4) 2016 / VW (4) 2016-18  
*Wideband Sensor, 750mm 5wire*



**250-25089**  
BMW (2,3,4,6) 2010-20  
*Wideband Sensor, 465mm 5wire*



**250-25093**  
M-B (6,8) 2012-15  
*Wideband Sensor, 700mm 5wire*



**250-25095**  
MINI (4) 2009-10  
*Wideband Sensor, 400mm 5wire*



**250-25105**  
INFINITI (8) 2011-15  
*Wideband Sensor, 475mm 5wire*



**250-25101**  
MAZDA (4) 2012-20  
*Wideband Sensor, 425mm 5wire*



**250-25106**  
BMW (4,6) 2011-20 / MINI (3,4) 2014-20  
*Wideband Sensor, 750mm 5wire*



**250-25102**  
MAZDA (4) 2013-18 / SCION (4) 2016  
TOY (4) 2017-18  
*Wideband Sensor, 625mm 5wire*



**250-25107**  
ROVER (4,6,8) 2013-20  
*Wideband Sensor, 325mm 5wire*



**250-25103**  
FORD (6) 2013-15  
*Wideband Sensor, 500mm 5wire*



**250-25108**  
ALFA (6) 2017-19 / JAG (6,8) 2013-20  
JEEP (6) 2014-18 / ROVER (6) 2018-19  
*Wideband Sensor, 775mm 5wire*



**250-25109**  
CHEV (4) 2014-15 / JAG (6,8) 2013-18  
RAM (6) 2014-18 / ROVER (4) 2014-17  
*Wideband Sensor, 575mm 5wire*



**250-25114**  
AUDI (12) 2012-14  
*Wideband Sensor, 900mm 5wire*



**250-25111**  
AUDI (12) 2012-14  
*Wideband Sensor, 900mm 5wire*



**250-25115**  
AUDI (4) 2015-16 / VW (4) 2015-19  
*Wideband Sensor, 700mm 5wire*



**250-25112**  
AUDI (4,8) 2011-18 / VW (4) 2015-21  
*Wideband Sensor, 700mm 5wire*



**250-25118**  
AUDI (12) 2012-14 / PORSCHE (4) 2017-18  
VW (4) 2014-21  
*Wideband Sensor, 650mm 5wire*



**250-25113**  
AUDI (4,8) 2011-20 / VW (4) 2014-18  
*Wideband Sensor, 575mm 5wire*



**250-25119**  
FORD (4,6,8,10) 2014-19  
*Wideband Sensor, 424mm 5wire*



**250-25120**  
AUDI (4) 2016-20 / PORSCHE (4) 2017-18  
VW (4) 2013-15  
*Wideband Sensor, 460mm 5wire*



**250-25124**  
FORD (8,10) 2015-19  
*Wideband Sensor, 725mm 5wire*



**250-25121**  
DODGE (4) 2015-16 / FIAT (4) 2015-20  
*Wideband Sensor, 650mm 5wire*



**250-25125**  
SUB (4) 2014-20  
*Wideband Sensor, 300mm 5wire*



**250-25122**  
FORD (6,8,10) 2015-19 / LINC (6) 2016-20  
*Wideband Sensor, 300mm 5wire*



**250-25126**  
M-B (4) 2013-16  
*Wideband Sensor, 750mm 5wire*



**250-25123**  
BMW (6) 2015-20  
*Wideband Sensor, 850mm 5wire*



**250-25127**  
DODGE (4) 2013-16  
*Wideband Sensor, 525mm 5wire*





**250-25128**

BUICK (4) 2018-20 / CAD (4) 2016-19  
CHEV (4,8) 2016-21 / CHRY (4) 2015-17  
DODGE (8) 2015-20 / FIAT (4) 2016-18  
GMC (4) 2018-21 / JEEP (4) 2014-20  
RAM (4) 2015-20  
*Wideband Sensor, 480mm 5wire*



**250-25132**

BMW (6) 2016-21  
*Wideband Sensor, 375mm 5wire*



**250-25129**

PORSCHE (4) 2017-18  
*Wideband Sensor, 1175mm 5wire*



**250-25133**

BMW (8) 2017-19  
*Wideband Sensor, 975mm 5wire*



**250-25130**

MITSU (4,6) 2014-17  
*Wideband Sensor, 475mm 5wire*



**250-25135**

FORD (4,6,8) 2017-21  
*Wideband Sensor, 525mm 5wire*



**250-25131**

BMW (4) 2016-21  
*Wideband Sensor, 575mm 5wire*



**250-25136**

FORD (6,8) 2018-21  
*Wideband Sensor, 625mm 5wire*



**250-25137**  
HONDA (4,6) 2016-21  
*Wideband Sensor, 325mm 5wire*



**250-25143**  
AUDI (4) 2019-21  
*Wideband Sensor, 420mm 5wire*



**250-25138**  
FORD (8) 2018-21  
*Wideband Sensor, 300mm 5wire*



**250-25144**  
BMW (12) 2017-19  
*Wideband Sensor, 700mm 5wire*



**250-25140**  
BUICK (3,4) 2020-22 / CAD (4,6) 2016-21  
CHEV (3,4) 2020-22 / GMC (4) 2020-21  
JEEP (4) 2018-20  
*Wideband Sensor, 305mm 5wire*



**250-25145**  
DODGE (8) 2015-20 / JEEP (8) 2018-20  
*Wideband Sensor, 300mm 5wire*



**250-25141**  
JAG (4) 2018-20 / ROVER (4) 2018-20  
*Wideband Sensor, 300mm 5wire*



**250-25146**  
VW (6) 2018-21  
*Wideband Sensor, 875mm 5wire*



**250-25147**  
AUDI (5,6) 2017-21  
*Wideband Sensor, 650mm 5wire*



**250-25151**  
VW (6) 2018-21  
*Wideband Sensor, 900mm 5wire*



**250-25148**  
ACURA (4) 2019-20 / HONDA (4) 2018-21  
*Wideband Sensor, 425mm 5wire*



**250-25152**  
SUB (4) 2019-20  
*Wideband Sensor, 425mm 5wire*



**250-25149**  
ACURA (6) 2017-20 / HONDA (4) 2017-21  
*Wideband Sensor, 275mm 5wire*



**250-25153**  
AUDI (4) 2018-20 / VW (4) 2019-21  
*Wideband Sensor, 700mm 5wire*



**250-25150**  
JAG (8) 2018-20  
*Wideband Sensor, 750mm 5wire*



**250-25154**  
AUDI (6) 2019-21  
*Wideband Sensor, 600mm 5wire*



**250-25155**  
BUICK (3) 2020-22 / CHEV (3) 2021-22  
*Wideband Sensor, 450mm 5wire*



**250-54004**  
SAAB (4) 2005 / SUB (4) 2002-05  
*Air/Fuel Sensor, 790mm 4wire*



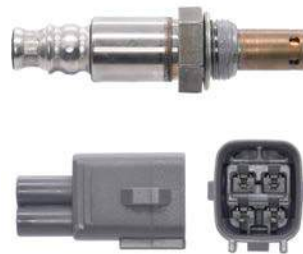
**250-25156**  
AUDI (4) 2019-21 / VW (4) 2019-21  
*Wideband Sensor, 700mm 5wire*



**250-54005**  
HONDA (3,4) 2001-06  
*Air/Fuel Sensor, 335mm 4wire*



**250-54002**  
SUB (6) 2001-04 / TOY (4) 2000-03  
*Air/Fuel Sensor, 520mm 4wire*



**250-54006**  
LEXUS (8) 2007-14 / PONT (4) 2005-10  
SCION (4) 2008-09 / TOY (4,6,8) 2001-21  
*Air/Fuel Sensor, 400mm 4wire*



**250-54003**  
LEXUS (6) 2000-01 / TOY (6) 2000-04  
*Air/Fuel Sensor, 450mm 4wire*



**250-54007**  
LEXUS (6) 2007-21 / PONT (4) 2009-10  
SCION (4) 2005-08 / TOY (4,6) 2001-20  
*Air/Fuel Sensor, 510mm 4wire*



**250-54008**  
SUB (6) 2015-19 / TOY (4,6) 2004-14  
*Air/Fuel Sensor, 240mm 4wire*



**250-54013**  
ACURA (4) 2002-04 / HONDA (4) 2001-05  
*Air/Fuel Sensor, 350mm 4wire*



**250-54009**  
VOLVO (5) 2001-02  
*Air/Fuel Sensor, 630mm 4wire*



**250-54014**  
ACURA (4) 2002-04  
*Air/Fuel Sensor, 450mm 4wire*



**250-54010**  
VOLVO (5) 1999-00  
*Air/Fuel Sensor, 525mm 4wire*



**250-54015**  
SUB (4) 1999-01  
*Air/Fuel Sensor, 380mm 4wire*



**250-54011**  
ACURA (4) 2004-05 / SUB (4) 2003-06  
*Air/Fuel Sensor, 560mm 4wire*



**250-54018**  
JAG (6,8) 2002-08  
*Air/Fuel Sensor, 450mm 4wire*



**250-54022**  
ACURA (4) 2004-08  
*Air/Fuel Sensor, 610mm 4wire*



**250-54027**  
SAAB (4) 2006 / SUB (4) 2004-11  
*Air/Fuel Sensor, 575mm 4wire*



**250-54023**  
ACURA (4) 2005-06  
*Air/Fuel Sensor, 525mm 4wire*



**250-54028**  
VOLVO (5) 2003-07  
*Air/Fuel Sensor, 475mm 4wire*



**250-54025**  
SUB (4) 2004-06  
*Air/Fuel Sensor, 960mm 4wire*



**250-54029**  
MAZDA (4) 2004-09  
*Air/Fuel Sensor, 460mm 4wire*



**250-54026**  
VOLVO (5,8) 2003-10  
*Air/Fuel Sensor, 700mm 4wire*



**250-54031**  
MAZDA (2) 2004-08  
*Air/Fuel Sensor, 550mm 4wire*





**250-54032**  
JAG (6,8) 2005-11  
*Air/Fuel Sensor, 325mm 4wire*



**250-54036**  
INFINITI (6) 2008 / NISS (6) 2009-10  
*Air/Fuel Sensor, 375mm 4wire*



**250-54033**  
MAZDA (4) 2005  
*Air/Fuel Sensor, 625mm 4wire*



**250-54037**  
INFINITI (8) 2008-10 / NISS (4,6,8) 2007-12  
SUZ (4,6) 2009-12  
*Air/Fuel Sensor, 400mm 4wire*



**250-54034**  
SUZ (4) 2007-13  
*Air/Fuel Sensor, 400mm 4wire*



**250-54038**  
ACURA (4) 2013-20 / HONDA (4) 2011-20  
*Air/Fuel Sensor, 350mm 4wire*



**250-54035**  
INFINITI (6) 2008-11 / NISS (4,6) 2007-19  
SUZ (6) 2010-12  
*Air/Fuel Sensor, 375mm 4wire*



**250-54039**  
MAZDA (4) 2006-08  
*Air/Fuel Sensor, 625mm 4wire*



**250-54040**  
ACURA (4) 2006-11 / HONDA (4) 2009-11  
*Air/Fuel Sensor, 425mm 4wire*



**250-54044**  
MAZDA (2) 2009-11  
*Air/Fuel Sensor, 600mm 4wire*



**250-54041**  
HONDA (4) 2006-20  
*Air/Fuel Sensor, 275mm 4wire*



**250-54045**  
HONDA (4) 2003-07  
*Air/Fuel Sensor, 425mm 4wire*



**250-54042**  
JAG (8) 2010-15 / VOLVO (5) 2007-10  
*Air/Fuel Sensor, 650mm 4wire*



**250-54046**  
ACURA (4) 2005-06 / HONDA (4) 2003-10  
*Air/Fuel Sensor, 375mm 4wire*



**250-54043**  
ROVER (6) 2008-12 / VOLVO (4,5,6) 2007-20  
*Air/Fuel Sensor, 475mm 4wire*



**250-54050**  
LEXUS (4,6,8) 2005-21 / TOY (6,8) 2005-21  
*Air/Fuel Sensor, 275mm 4wire*





**250-54051**  
TOY (4,6) 1999-04  
*Air/Fuel Sensor, 310mm 4wire*



**250-54055**  
HONDA (4) 1998-00  
*Air/Fuel Sensor, 350mm 4wire*



**250-54052**  
TOY (6) 1999-04  
*Air/Fuel Sensor, 420mm 4wire*



**250-54056**  
HONDA (4) 2006-09  
*Air/Fuel Sensor, 525mm 4wire*



**250-54053**  
JAG (8) 1999-03  
*Air/Fuel Sensor, 450mm 4wire*



**250-54057**  
LEXUS (6) 2000-01 / TOY (6) 2000-04  
*Air/Fuel Sensor, 325mm 4wire*



**250-54054**  
LEXUS (6) 1997-03 / TOY (4,6) 1997-03  
*Air/Fuel Sensor, 350mm 4wire*



**250-54058**  
SAAB (4) 2006 / SUB (4) 2004-20  
*Air/Fuel Sensor, 800mm 4wire*



**250-54059**  
LEXUS (4,6) 2002-21 / TOY (4,6) 2003-21  
*Air/Fuel Sensor, 375mm 4wire*



**250-54064**  
SUB (4) 2008-14  
*Air/Fuel Sensor, 275mm 4wire*



**250-54061**  
SAAB (4) 2005 / SUB (4) 2005  
*Air/Fuel Sensor, 475mm 4wire*



**250-54065**  
ACURA (4) 2013-15 / HONDA (4) 2007-09  
*Air/Fuel Sensor, 300mm 4wire*



**250-54062**  
ROVER (6,8) 2005-09  
*Air/Fuel Sensor, 300mm 4wire*



**250-54066**  
LEXUS (4,6,8) 2011-21 / SCION (4) 2010-15  
TOY (4,6,8) 2011-21  
*Air/Fuel Sensor, 375mm 4wire*



**250-54063**  
MAZDA (4) 2006-15  
*Air/Fuel Sensor, 225mm 4wire*



**250-54067**  
SUB (4) 2010-12  
*Air/Fuel Sensor, 500mm 4wire*



**250-54068**  
SUB (4) 2010-12  
*Air/Fuel Sensor, 600mm 4wire*



**250-54072**  
ROVER (8) 2010-13  
*Air/Fuel Sensor, 275mm 4wire*



**250-54069**  
LEXUS (6) 2011-12 / SCION (4) 2011-15  
*Air/Fuel Sensor, 450mm 4wire*



**250-54073**  
TOY (4) 2001-03  
*Air/Fuel Sensor, 400mm 4wire*



**250-54070**  
SUZ (6) 2007-08  
*Air/Fuel Sensor, 225mm 4wire*



**250-54074**  
SUB (6) 2010-14 / TOY (6) 2002-06  
*Air/Fuel Sensor, 200mm 4wire*



**250-54071**  
SUZ (4) 2010-13  
*Air/Fuel Sensor, 250mm 4wire*



**250-54075**  
HONDA (4) 2004-05  
*Air/Fuel Sensor, 550mm 4wire*



**250-54076**  
ACURA (4) 2002-04 / HONDA (4) 2002-05  
*Air/Fuel Sensor, 275mm 4wire*



**250-54080**  
MAZDA (4) 2009-15  
*Air/Fuel Sensor, 225mm 4wire*



**250-54077**  
VOLVO (8) 2005-11  
*Air/Fuel Sensor, 775mm 4wire*



**250-54081**  
MAZDA (4) 2011-17  
*Air/Fuel Sensor, 600mm 4wire*



**250-54078**  
TOY (4) 2001-03  
*Air/Fuel Sensor, 300mm 4wire*



**250-54082**  
NISS (4) 2011-13  
*Air/Fuel Sensor, 375mm 4wire*



**250-54079**  
SUB (4) 2008-14  
*Air/Fuel Sensor, 800mm 4wire*



**250-54083**  
HONDA (4) 2011  
*Air/Fuel Sensor, 325mm 4wire*



**250-54084**  
LEXUS (4,6) 2011-18 / SCION (4) 2011-15  
SUB (4) 2012-20 / TOY (4,6) 2011-20  
*Air/Fuel Sensor, 425mm 4wire*



**250-54092**  
SUZ (6) 2006  
*Air/Fuel Sensor, 275mm 4wire*



**250-54085**  
LEXUS (6,8) 2013-21 / TOY (6,8) 2011-21  
*Air/Fuel Sensor, 175mm 4wire*



**250-54102**  
CHEV (4) 2015-18 / INFINITI (4,6) 2011-17  
NISS (4,6,8) 2011-19  
*Air/Fuel Sensor, 375mm 4wire*



**250-54086**  
SUB (6) 2015-20 / TOY (4) 2011-12  
*Air/Fuel Sensor, 225mm 4wire*



**250-54103**  
INFINITI (6) 2011-12 / NISS (4,8) 2011-18  
*Air/Fuel Sensor, 375mm 4wire*



**250-54089**  
INFINITI (8) 2009-12 / NISS (4) 2009-14  
*Air/Fuel Sensor, 465mm 4wire*



**250-54104**  
INFINITI (8) 2013-14  
*Air/Fuel Sensor, 475mm 4wire*



**250-54105**  
INFINITI (6,8) 2014-19 / NISS (4,6,8) 2013-19  
*Air/Fuel Sensor, 500mm 4wire*



**250-54109**  
INFINITI (8) 2007 / NISS (4,6,8) 2007-10  
*Air/Fuel Sensor, 400mm 4wire*



**250-54106**  
TOY (4) 1997-99  
*Air/Fuel Sensor, 500mm 4wire*



**250-54110**  
ACURA (4) 2007-13 / HONDA (4) 2008-12  
*Air/Fuel Sensor, 350mm 4wire*



**250-54107**  
SCION (4) 2008-10 / TOY (4) 2004-08  
*Air/Fuel Sensor, 510mm 4wire*



**250-54111**  
ACURA (4) 2013-14 / HONDA (4) 2007-16  
*Air/Fuel Sensor, 350mm 4wire*



**250-54108**  
NISS (6) 2007  
*Air/Fuel Sensor, 400mm 4wire*



**250-54112**  
HONDA (4) 2006-08  
*Air/Fuel Sensor, 425mm 4wire*



**250-54113**  
LEXUS (6) 2007 / TOY (4,6) 2005-12  
*Air/Fuel Sensor, 375mm 4wire*



**250-54117**  
INFINITI (6) 2016-20  
*Air/Fuel Sensor, 300mm 4wire*



**250-54114**  
ACURA (4) 2014 / LEXUS (6) 2002-03  
SUB (6) 2005-09 / TOY (6) 2002-06  
*Air/Fuel Sensor, 375mm 4wire*



**250-54118**  
LEXUS (6) 2016-21 / TOY (4) 2015-19  
*Air/Fuel Sensor, 625mm 4wire*



**250-54115**  
LEXUS (4) 2016-21  
*Air/Fuel Sensor, 450mm 4wire*



**250-54119**  
NISS (4) 2015-19  
*Air/Fuel Sensor, 500mm 4wire*



**250-54116**  
VOLVO (4) 2015-18  
*Air/Fuel Sensor, 525mm 4wire*



**250-54120**  
NISS (4) 2014-18  
*Air/Fuel Sensor, 300mm 4wire*



**250-54122**  
NISS (4) 2017-19  
*Air/Fuel Sensor, 300mm 4wire*



**250-54128**  
TOY (6) 2020  
*Air/Fuel Sensor, 350mm 4wire*



**250-54125**  
LEXUS (4) 2019-21 / TOY (4) 2018-21  
*Air/Fuel Sensor, 550mm 4wire*



**250-54129**  
LEXUS (6) 2018-21  
*Air/Fuel Sensor, 400mm 4wire*



**250-54126**  
NISS (4) 2016-18  
*Air/Fuel Sensor, 275mm 4wire*

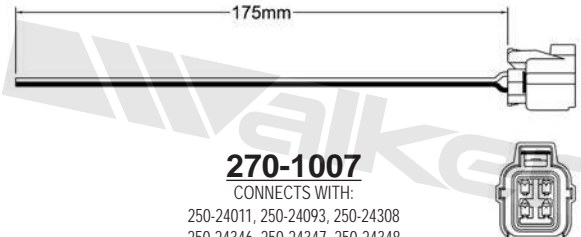


**250-54127**  
NISS (4) 2019  
*Air/Fuel Sensor, 400mm 4wire*





**270-1000**  
CONNECTS WITH:  
250-21001



**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



**270-1001**  
CONNECTS WITH:  
250-21020



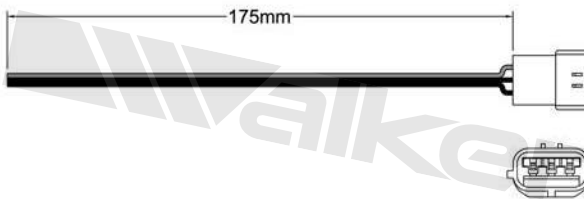
**270-1008**  
CONNECTS WITH:  
250-24012, 250-24406, 250-24490



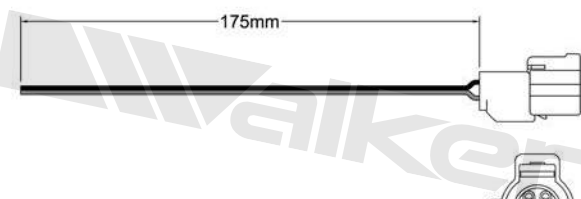
**270-1004**  
CONNECTS WITH:  
250-23084, 250-23097, 250-23126



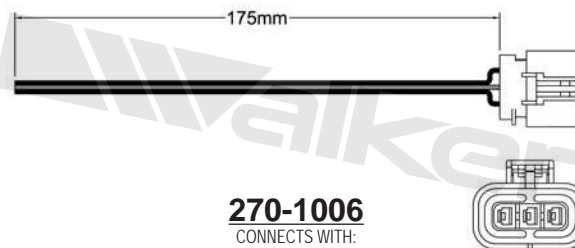
**270-1011**  
CONNECTS WITH:  
250-24067, 250-24068  
250-24341, 250-24356, 250-24357  
250-24384, 250-24388, 250-24438, 250-24447  
250-24475, 250-24627, 250-24628, 250-24818



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



**270-1012**  
CONNECTS WITH:  
250-23002, 250-24001, 250-24070, 250-24127  
250-24301, 250-24302, 250-24701



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

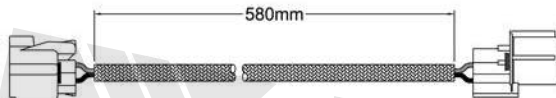


**270-1013**  
CONNECTS WITH:  
250-24121, 250-24343, 250-24398  
250-24429, 250-24446, 250-24476  
250-24496, 250-24601, 250-24620  
250-24621, 250-54011, 250-54022



**270-1014**

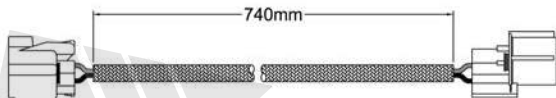
CONNECTS WITH:  
250-24123, 250-24128, 250-24139  
250-24245, 250-24365, 250-24369  
250-24629, 250-24634



**270-1015**

EXTENSION HARNESS

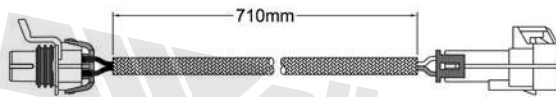
CONNECTS WITH:  
250-24011, 250-24093, 250-24095, 250-25097  
250-24099, 250-24105, 250-24308, 250-24346, 250-24347  
250-24348, 250-24391, 250-24402, 250-24441, 250-24473  
250-24498, 250-24578, 250-24760, 250-24761, 250-24766  
250-24784, 250-54013, 250-54014, 250-54023



**270-1020**

EXTENSION HARNESS

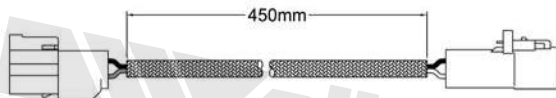
CONNECTS WITH:  
250-24011, 250-24093, 250-24095, 250-25097  
250-24099, 250-24105, 250-24308, 250-24346, 250-24347  
250-24348, 250-24391, 250-24402, 250-24441, 250-24473  
250-24498, 250-24578, 250-24760, 250-24761, 250-24766  
250-24784, 250-54013, 250-54014, 250-54023



**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





# Supplying quality products since 1946

As an industry leader, Walker Products Inc. has evolved into a premier supplier of fuel delivery components, emission control products, engine sensors, ignition wire sets, and coil-on-plug boots. Being in the forefront of new technologies, state-of-the-art engineering, automated manufacturing processes, along with great customer service has made Walker Products Inc. the right choice as your supplier of automotive products. All of our products live up to OE specifications and your demanding standards. We are proud of our history and commitment to the automotive aftermarket.



**Our Standards... OE Fit, Form & Function**  
**MORE Coverage, FEWER SKUs, HIGHER Profits**

Servicing the industry for over 70 years to reduce your inventory and increase coverage and profits.

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**Quality ■ Coverage ■ Support**