MULTILINGUAL DIAGNOSTIC SCANNER

Item Number W2977

OWNER'S MANUAL



AWARNING: READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.



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TOOL FEATURES

- Works with most 1996 and newer cars & light trucks that are OBD II compliant (including the CAN, VPW, PWM, ISO and KWP 2000 protocols)
- Reads and clears generic and manufacturer specific Diagnostic Trouble Codes (DTCs) and turns off check engine light
- Supports multiple trouble code requests: generic codes, pending codes and manufacturer's specific codes
- · Reviews the emission readiness status of OBD monitors
- Retrieves VIN (Vehicle Identification No.) on 2002 and newer vehicles that support Mode 9
- Determines the malfunction indicator lamp (MIL) status
- Easy to use with one plug-in; Highly reliable and accurate
- Easy-to-read, crystal-clear, backlit, LCD display
- Stand-alone unit with no need for an additional laptop computer to operate
- · Small in size and conveniently fits in your palm
- Safely communicates with the on-board computer
- · No batteries needed--powered via OBD II cable

TOOL FEATURES



- LCD DISPLAY Indicates test results.
- 2. ENTER BUTTON Confirms a selection (or action) from a menu list, or returns to the main menu.
- SCROLL BUTTON Scrolls through menu items or It is also used to enter system setup menu when pressed.
- OBD II CONNECTOR Connects the code reader to the vehicle's Data Link Connector (DLC).

SPECIFICATIONS:

Display	Backlit, LCD, 128 x 64 pixel
	32 to 122 °F (0 to 50°C)
Storage Temperature	4 to 158 °F (-20 to 70°C)
Power	8 to 18 Volts, provided via vehicle battery
Dimensions4.4 in.(113 m	m) L, 2.9 in. (74 mm) W, 0.83 in. (21 mm) H
Weight	8.9 oz. (250 g)

Specifications are subject to change without notice.

SAFETY GUIDELINES / DEFINITIONS

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

AWARNING: Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this product. Failure to comply with the instructions may result in serious personal injury and/or property damage!

The following signal words are used to emphasize safety warnings that must be followed when using this product:

ADANGER: Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.

ACAUTION: Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.

AWARNING: Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.

ANOTE: Indicates important information, which if not followed, MAY cause damage to equipment.

PERSONAL SAFETY

To prevent personal injury or damage to vehicles and/or the code reader, read this instruction manual first and observe the following safety precautions at a minimum whenever working on a vehicle:

- Always perform automotive testing in a safe environment.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc, away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area; Exhaust gases are poisonous.
- Block the drive wheels and never leave vehicle unattended while running tests.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Put transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
- Keep a fire extinguisher suitable for gasoline/chemical/electrical fires nearby.
- Don't connect or disconnect any test equipment with ignition on or engine running.
- Keep the code reader dry, clean and free from oil, water and grease.
 Use a mild detergent on a clean cloth to clean the outside of the code reader, when necessary.

GENERAL INFORMATION

On-Board-Diagnostics (OBD) II

The OBD II system is designed to monitor emission control systems and key engine components by performing either continuous or periodic tests of specific components and vehicle conditions. When a problem is detected, the OBD II system turns on a warning lamp (MIL) on the vehicle instrument panel to alert the driver typically by the phrase of "Check Engine" or "Service Engine Soon". The system will also store important information about the detected malfunction so that a technician can accurately find and fix the problem. Here below follow three pieces of such valuable information:

- Whether the Malfunction Indicator Light (MIL) is commanded 'on' or 'off'
- Which, if any, Diagnostic Trouble Codes (DTCs) are stored
- · Readiness Monitor Status

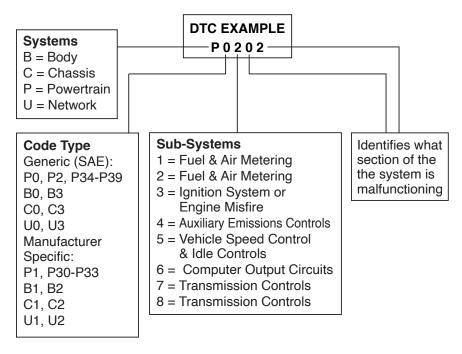
Diagnostic Trouble Codes (DTCs)

OBD II Diagnostic Trouble Codes are codes that are stored by the on-board computer diagnostic system in response to a problem found in the vehicle. These codes identify a particular problem area and are

intended to provide you with a guide as to where a fault might be occurring within a vehicle. OBD II Diagnostic Trouble Codes consist of a five-digit alphanumeric code. The first character, a letter, identifies the control system which sets the code. The other four characters, all numbers, provide additional information on where the DTC originated and the operating conditions that caused it to set. Below is an example to illustrate the structure of the digits.

Location of the Data Link Connector (DLC)

The DLC (Data Link Connector or Diagnostic Link Connector) is the standardized 16-cavity connector where diagnostic scan tools interface with the vehicle's on-board computer. The DLC is usually located 12 inches from the center of the instrument panel (dash), under or around the driver's side for most vehicles. For some Asian and European vehicles, the DLC is located behind the ashtray and the ashtray must be removed to access the connector. Refer to the vehicle's service manual for the location if the DLC cannot be found.



OBD II Readiness Monitors

An important part of a vehicle's OBDII system is the Readiness monitors, which are indicators used to find out if all of the emissions components have been evaluated by the OBD II system. They are running periodic tests on specific systems and components to ensure that they are performing within allowable limits.

Currently, there are eleven OBD II Readiness Monitors (or I/M Monitors defined by the U.S. Environmental Protection Agency (EPA). Not all monitors are supported by all vehicles and the exact number of monitors in any vehicle depends on the motor vehicle manufacturer's emissions control strategy.

Continuous Monitors

Some of the vehicle components or systems are continuously tested by the vehicle's OBDII system, while others are tested only under specific vehicle operating conditions. The continuously monitored components listed below are always ready:

- 1. Misfire
- 2. Fuel System
- 3. Comprehensive Components (CCM)

Once the vehicle is running, the OBDII system is continuously checking the above components, monitoring key engine sensors, watching for engine misfire, and monitoring fuel demands.

Non-Continuous Monitors

Unlike the continuous monitors, many emissions and engine system components require the vehicle to be operated under specific conditions before the monitor is ready. These monitors are termed non-continuous monitors and are listed below:

1. EGR System

2. O2 Sensors

3. Catalyst

4. Evaporative System

5. O2 Sensor Heater

6. Secondary air

7. Heated Catalyst

8. A/C system

OBD II Monitor Readiness Status

OBDII systems must indicate whether or not the vehicle's PCM's monitor system has completed testing on each component. Components that have been tested will be reported as "Ready", or "Complete", meaning they have been tested by the OBDII system. The purpose of recording readiness status is to allow inspectors to determine if the vehicle's OBDII system has tested all the components and/or systems.

The powertrain control module (PCM) sets a monitor to "Ready" or "Complete" after an appropriate drive cycle has been performed. The drive cycle that enables a monitor and sets readiness codes to "ready" varies for each individual monitor. Once a monitor is set as "Ready" or "Complete", it will remain in this state. A number of factors, including erasing of diagnostic trouble codes (DTCs) with a scan tool or a disconnected battery, can result in Readiness Monitors being set to "not ready". Since the three continuous monitors are constantly evaluating, they will be reported as "Ready" all of the time. If testing of a particular supported non-continuous monitor has not been completed, the monitor status will be reported as "Not Complete" or "Not Ready."

In order for the OBD monitor system to become ready, the vehicle should be driven under a variety of normal operating conditions. These operating conditions may include a mix of highway driving and stop and go, city type driving, and at least one overnight-off period. For specific information on getting your vehicle's OBD monitor system ready, please consult your vehicle owner's manual.

OBD II Terminology

Powertrain Control Module (PCM)

OBDII terminology for the on-board computer that controls engine and drive train.

Malfunction Indicator Light (MIL)

Malfunction Indicator Light (Service Engine Soon, Check Engine) is a term used for the light on the instrument panel. It is to alert the driver and/or the repair technician that there is a problem with one or more of vehicle's systems and may cause emissions to exceed federal standards. If the MIL illuminates with a steady light, it indicates that a problem has been detected and the vehicle should be serviced as soon as possible. Under certain conditions, the dashboard light will blink or flash. This indicates a severe problem and flashing is intended to discourage vehicle operation. The vehicle onboard diagnostic system can not turn the MIL off until the necessary repairs are completed or the condition no longer exists.

DTC

Diagnostic Trouble Codes (DTC) that identifies which section of the emission control system has malfunctioned.

Enabling Criteria

Also termed Enabling Conditions. They are the vehicle-specific events or conditions that must occur within the engine before the various monitors will set, or run. Some monitors require the vehicle to follow a prescribed "drive cycle" routine as part of the enabling criteria. Drive cycles vary among vehicles and for each monitor in any particular vehicle.

OBDII Drive Cycle

A specific mode of vehicle operation that provides conditions required to set all the readiness monitors applicable to the vehicle to the "Ready" condition. The purpose ofcompleting an OBD II drive cycle is to force the vehicle to run its onboard diagnostics. Some form of a drive cycle needs to be performed after DTCs have been erased from the PCM's memory or after the battery has been disconnected. Running through a vehicle's complete drive cycle will "set" the readiness monitors so that future faults can be detected. Drive cycles vary depending on the vehicle and the monitor that needs to be reset. For vehicle specific drive cycle, consult the vehicle's Owner's Manual.

PRODUCT INFORMATION

Power

The power of the code reader is provided via the vehicle Data Link Connector (DLC). Follow the steps below to turn on the code reader:

- 1. Find DLC on vehicle. (A plastic DLC cover may be found for some vehicles and you need to remove it before plugging the OBD2 cable.)
- 2. Plug OBD II cable to the vehicle's DLC.

Vehicle Coverage

The Multilingual Digital Scanner is specially designed to work with all OBD II compliant vehicles, including those equipped with the next-generation protocol-Control Area Network (CAN). It is required by EPA that All 1996 and newer vehicles (cars and light trucks) sold in the United States must be OBD II compliant and this includes all Domestic, Asian and European vehicles.

A small number of 1994 and 1995 model year gasoline vehicles are OBD II compliant. To verify if a 1994 or 1995 vehicle is OBD II compliant, check the Vehicle Emissions Control Information (VECI) Label which is located under the hood or by the radiator of most vehicles. If the vehicle is OBD II compliant, the label will designate "OBD II Certified". Additionally, Government regulations mandate that all OBD II compliant vehicles must have a "common" sixteen-pin Data Link Connector (DLC). For your vehicle to be OBD II compliant it must have a 16-pin DLC (Data Link Connector) under the dash and the Vehicle Emission Control Information Label must state that the vehicle is OBD II compliant.

OBD II Diagnostics

When more than one vehicle control module is detected by the scan tool, you will be prompted to select the module where the data may be retrieved. The most often to be selected are the Powertrain Control Module [PCM] and Transmission Control Module [TCM].

OPERATING INSTRUCTIONS

▲CAUTION! Don't connect or disconnect any test equipment with ignition on or engine running.

Reading Codes

- 1. Turn the ignition off.
- 2. Locate the vehicle's 16-pin Data Link Connector (DLC).
- 3. Plug the OBDII cable into the vehicle's DLC.
- 4. Wait for the LCD display to read "C.A.N. OBD2".
- 5. Turn the ignition on, but do not start the engine.

NOTE: If Data Link error appears, vehicle may need to be started for the code reader to work with your vehicle.

- 6. Press **ENTER** button A sequence of messages displaying the OBD2 protocols will be observed on the display until the vehicle protocol is detected.
- ◆ If the code reader fails to communicate with the vehicle's ECU (Engine Control Unit), a "LINK ERROR!" message shows up on the display.
- ✓ Verify that the ignition is ON
- ✓ Check if the code reader's OBD II connector is securely connected to the vehicle's DLC
- ✓ Verify that the vehicle is OBD2 compliant
- ✓ Turn the ignition off and wait for about 10 seconds. Turn the ignition back to on and repeat the procedure from step 6.
- ◆ If "LINK ERROR!" message does not go away, then there might be problems for the code reader to communicate with the vehicle. Contact your local distributor or the manufacturer's customer service department for assistance.
 - Wait for the main menu to come up after a brief overview displaying the scanning results with the total number of DTCs and the overall I/M Monitor Status.

DTC:02 IM/YES

Select "DTC" from the main menu by pressing the ENTER button.

MENU: 1. DTC

 If there are no Diagnostic Trouble Codes retrieved, the display will indicate "NO CODES".

> NO CODES

 If there are any Diagnostic Trouble Codes, then the total number of the Fault Codes followed by that of the Pending Codes will be reported on the display.

FAULT: 02 PEND: 02

9. Read the Diagnostic Trouble Codes by pressing the SCROLL button.

◆ The first code number will appear on the first line of the LCD display, the numerical sequence of the code and the total number of the codes stored will appear on the second line. To view additional codes, press the SCROLL button to scroll, as necessary, until all the codes have been shown up.

P0101 01/04

- If the code retrieved is a pending code, a "PD" will show on the LCD display in the end.
- To view previous codes, press the SCROLL button to scroll through to the end, and then start from the first of the list.

P0005 PD 01/05

10. Look up part 5 for Diagnostic Trouble Code Definitions. Match the retrieved DTC(S) with those listed and read the definitions.

Erasing Codes

ACAUTION! Erasing the Diagnostic Trouble Codes may allow the code reader to delete not only the codes from the vehicle's on-board computer, but also "Freeze Frame" data and manufacturer enhanced data. Further, the I/M Readiness Monitor Status for all vehicle monitors is reset to Not Ready or Not Complete status. Do not erase the codes before the system has been checked completely by a technician.

- If you decide to erase the DTCs, use SCROLL button to select "2. Erase" from the main menu and press ENTER button.
- If the Scan Tool is not connected or no communication is established with the vehicle yet, then refer to "Reading Codes" from 1 to 6.

MENU: 2. ERASE

2. An **"ERASE? YES NO"** message appears asking for your confirmation.

3. If you DO NOT want to proceed with erasing the codes, press **SCROLL** button to exit.

ERASE? YES NO

- 4. If you DO want to proceed with erasing the codes, press **Enter** button to delet codes.
- 5. If the codes are cleared successfully, an "ERASE DONE!" message will appear.
- If the codes are NOT cleared successfully, an "ERASE FAIL!" message will appear. Press the ENTER button to Return to the main Menu list.
- ♦ HOT KEY: Pressing and Holding the SCROLL button for about 3 seconds will allow you to erase the DTCs more quickly than through the main menu.

ERASE DONE!

ERASE FAIL!

Retrieving I/M Readiness Status

I/M Readiness function is used to check the operations of the Emission System on OBD2 compliant vehicles. It is an excellent function to use prior to having a vehicle inspected for compliance to a state emissions program. Some latest vehicle models may support two types of I/M Readiness tests:

An I/M Readiness Status result of "NO" does not necessarily indicate that the vehicle being tested will fail the state I/M inspection. For some states, one or more such monitors may be allowed to be "Not Ready" to pass the emissions inspection.

- "YES" All monitors supported on the vehicle have completed their diagnostic testing and the MIL light is not on.
- "NO" At least one monitor supported on the vehicle has not completed its diagnostic testing, and (or) the "Check Engine"(MIL) light is on.
- "READY" Indicates that a particular monitor being checked has completed its diagnostic testing.
- "Not RDY" (NOT READY) indicates that a particular monitor being checked has not completed its diagnostic testing.
- "N/A" the monitor is not supported on that vehicle.
- → a flashing Right Arrow indicates additional information is available on the next screen.
- ← a flashing Left Arrow indicates additional information is available on the previous screen.
 - 1. Select "3. I/M" from the main menu by pressing the ENTER button.
 - If the Scan Tool is not connected yet, then refer to "Reading Codes" from 1 to 6.

MENU: 3. I/M

- 2. Use the SCROLL button to view the status of the MIL light (ON or OFF) and the following monitors:
- MISFIRE Misfire monitor
- FUEL Fuel System Monitor
- CCM Comprehensive Components Monitor
- CAT Catalyst Monitor
- **HCM** Heated Catalyst Monitor
- **EVAP** Evaporative System Monitor
- 2AIR Secondary Air Monitor
- A/C A/C system Monitor
- O2S O2 Sensors Monitor
- HO2S O2 Sensor Heater Monitor
- EGR EGR System Monitor
- Press the ENTER button to return to the main Menu.

Viewing VIN Number

The View VIN function enables retrieval of the Vehicle Identification No. (VIN), on 2000 and newer vehicles that support Mode 9.

- 1. Select **"4. VIN"** from the main menu by pressing the **ENTER** button.
- ◆ If the Scan Tool is not connected yet, then refer to "Reading Codes" from 1 to 6.

MENU: 4. VIN

- 2. Use the **SCROLL** button to view additional digits of the 17-digit string.
- ullet o a flashing Right Arrow indicates additional digits of VIN string are available on the next screen.
- ← a flashing Left Arrow indicates additional digits of VIN string are available on the previous screen.
- 3. Press the **ENTER** button to return to the main Menu.

Rescan Data

The RESCAN function allows you to retrieve the most current data stored in the ECM or to re-link to the vehicle if communication is disconnected.

- 1. Select **"5. RESCAN"** from the main menu by pressing the **ENTER** button.
- ◆ If the Scan Tool is not connected yet, then refer to "Reading Codes" from 1 to 6.
- 2. Use either the SCROLL or ENTER button to return to the main menu.

MENU: 5. RESCAN

DIAGNOSTIC TROUBLE CODE (DTC) DEFINITIONS

The following Diagnostic Trouble Code Definitions lists provide only Generic Diagnostic Trouble Codes. For Manufacturer Specific Diagnostic Trouble Code Definitions, consult the vehicle's service manual.

ACAUTION! Parts or components should not be replaced based on only a DTC without first consulting the vehicle service manual for more information on possible causes of the fault as well as required testing procedures.

P0001 Fuel Volume Regulator Control Circuit Open P0002 Fuel Volume Regulator Control Circuit Range/Performance P0003 Fuel Volume Regulator Control Circuit Low P0004 Fuel Volume Regulator Control Circuit High P0005 Fuel Shutoff Valve. A Control Circuit Open P0006 Fuel Shutoff Valve. A Control Circuit Low P0007 Fuel Shutoff Valve. A Control Circuit High P0008 Engine Position System Performance (Bank 1) P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A - Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1 P0018 Cam/Crankshaft Pos. Correlation Sensor A - Bank 2
P0003 Fuel Volume Regulator Control Circuit Low P0004 Fuel Volume Regulator Control Circuit High P0005 Fuel Shutoff Valve. A Control Circuit Open P0006 Fuel Shutoff Valve. A Control Circuit Low P0007 Fuel Shutoff Valve. A Control Circuit High P0008 Engine Position System Performance (Bank 1) P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A - Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0004 Fuel Volume Regulator Control Circuit High P0005 Fuel Shutoff Valve. A Control Circuit Open P0006 Fuel Shutoff Valve. A Control Circuit Low P0007 Fuel Shutoff Valve. A Control Circuit High P0008 Engine Position System Performance (Bank 1) P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A -Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0005 Fuel Shutoff Valve. A Control Circuit Open P0006 Fuel Shutoff Valve. A Control Circuit Low P0007 Fuel Shutoff Valve. A Control Circuit High P0008 Engine Position System Performance (Bank 1) P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A - Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0006 Fuel Shutoff Valve. A Control Circuit Low P0007 Fuel Shutoff Valve. A Control Circuit High P0008 Engine Position System Performance (Bank 1) P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A -Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0007 Fuel Shutoff Valve. A Control Circuit High P0008 Engine Position System Performance (Bank 1) P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A -Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0008 Engine Position System Performance (Bank 1) P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A -Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0009 Engine Position System Performance (Bank 2) P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A -Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0010 Camshaft Position Actuator A -Bank 1 Circuit Malfunction P0011 Camshaft Position Actuator A -Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0011 Camshaft Position Actuator A -Bank 1 Timing Over-Advanced P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0012 Camshaft Position Actuator A - Bank 1 Timing Over-Retarded P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0013 Camshaft Position Actuator B - Bank 1 Circuit Malfunction P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0014 Camshaft Position Actuator B - Bank 1 Timing Over-Advanced P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0015 Camshaft Position Actuator B - Bank 1 Timing Over-Retarded P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0016 Cam/Crankshaft Pos. Correlation Sensor A - Bank 1 P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0017 Cam/Crankshaft Pos. Correlation Sensor B - Bank 1
P0018 Cam/Crankshaft Pos. Correlation Sensor A - Bank 2
P0019 Cam/Crankshaft Pos. Correlation Sensor B - Bank 2
P0020 Camshaft Position Actuator A - Bank 2 Circuit Malfunction
P0021 Camshaft Position Actuator A - Bank 2 Timing Over-Advanced
P0022 Camshaft Position Actuator A -Bank 2 Timing Over-Retarded
P0023 Camshaft Position Actuator B - Bank 2 Circuit Malfunction
P0024 Camshaft Position Actuator B - Bank 2 Timing Over-Advance
P0025 Camshaft Position Actuator B - Bank 2 Timing Over-Retarded

P0026	Intake Valve-Bank 1 Control Solenoid CKT Range/Performance
P0027	Exhaust Valve-Bank 1 Control Solenoid CKT Range/Performance
P0028	Intake Valve-Bank 2 Control Solenoid CKT Range/Performance
P0029	Exhaust Valve-Bank 2 Control Solenoid CKT Range/Performance
P0030	HO2S Bank 1 Sensor 1 Heater Circuit
P0031	HO2S Bank 1 Sensor 1 Heater Circuit Low
P0032	HO2S Bank 1 Sensor 1 Heater Circuit High
P0033	Turbo/Sup Wastegate Control Circuit
P0034	Turbo/Sup Wastegate Control Circuit Low
P0035	Turbo/Sup Wastegate Control Circuit High
P0036	HO2S Bank 1 Sensor 2 Heater Circuit
P0037	HO2S Bank 1 Sensor 2 Heater Circuit Low
P0038	HO2S Bank 1 Sensor 2 Heater Circuit High
P0039	Turbo/Super Charger Bypass Control CKT Performance
P0040	O2 Bank 1 Sensor 1 Signals Swapped w/ O2 Bank 2 Sensor 1
P0041	O2 Bank 1 Sensor 2 Signals Swapped w/ O2 Bank 2 Sensor 2
P0042	HO2S Bank 1 Sensor 3 Heater Circuit
P0043	HO2S Bank 1 Sensor 3 Heater Circuit Low
P0044	HO2S Bank 1 Sensor 3 Heater Circuit High
P0045	Turbo/Super Charger Boost Control Solenoid A Circuit Open
P0046	Turbo/Super Charger Boost Control Solenoid A Circuit Range/ Perform
P0047	Turbo/Super Charger Boost Control Solenoid A Circuit Low
P0048	Turbo/Super Charger Boost Control Solenoid A Circuit High
P0049	Turbo/Super Charger Boost Input/Turbine Speed Overspeed
P0050	HO2S Bank 2 Sensor 1 Heater Circuit
P0051	HO2S Bank 2 Sensor 1 Heater Circuit Low
P0052	HO2S Bank 2 Sensor 1 Heater Circuit High
P0053	HO2S Bank 1 Sensor 1 Heater Resistance
P0054	HO2S Bank 1 Sensor 2 Heater Resistance
P0055	HO2S Bank 1 Sensor 3 Heater Resistance
P0056	HO2S Bank 2 Sensor 2 Heater Circuit
P0057	HO2S Bank 2 Sensor 2 Heater Circuit Low
P0058	HO2S Bank 2 Sensor 2 Heater Circuit High
P0059	HO2S Bank 2 Sensor 1 Heater Resistance
P0060	HO2S Bank 2 Sensor 2 Heater Resistance
P0061	HO2S Bank 2 Sensor 3 Heater Resistance
P0062	HO2S Bank 2 Sensor 3 Heater Circuit

P0063	HO2S Bank 2 Sensor 3 Heater Circuit Low
P0064	HO2S Bank 2 Sensor 3 Heater Circuit High
P0065	Air Assisted Injector. Control Range/Performance
P0066	Air Assisted Injector. Control Circuit Low
P0067	Air Assisted Injector. Control Circuit High
P0068	MAF/MAP Sensor Throttle Position Correlation
P0069	MAP/BARO Correlation
P0070	Ambient Air Temp. Sensor Circuit
P0071	Ambient Air Temp. Sensor Range/Performance
P0072	Ambient Air Temp. Sensor Circuit Low
P0073	Ambient Air Temp. Sensor Circuit High
P0074	Ambient Air Temp. Sensor CKT Intermittent
P0075	Intake Valve-Bank 1 Control Circuit
P0076	Intake Valve-Bank 1 Control Circuit Low
P0077	Intake Valve-Bank 1 Control Circuit High
P0078	Exhaust Valve-Bank1 Control Circuit
P0079	Exhaust Valve-Bank1 Control Circuit Low
P0080	Exhaust Valve-Bank1 Control Circuit High
P0081	Intake Valve-Bank 2 Control Circuit
P0082	Intake Valve-Bank 2 Control Circuit Low
P0083	Intake Valve-Bank 2 Control Circuit High
P0084	Exhaust Valve-Bank2 Control Circuit
P0085	Exhaust Valve-Bank2 Control Circuit Low
P0086	Exhaust Valve-Bank2 Control Circuit High
P0087	Fuel Rail Pressure Too Low
P0088	Fuel Rail Pressure Too High
P0089	Fuel Pressure Regulator 1 Performance
P0090	Fuel Pressure Regulator 1 Control Circuit
P0091	Fuel Pressure Regulator 1 Control Circuit Low
P0092	Fuel Pressure Regulator 1 Control Circuit High
P0093	Fuel System Leak (Large)
P0094	Fuel System Leak (Small)
P0095	IAT Sensor 2 Circuit
P0096	IAT Sensor 2 CKT Range/Performance
P0097	IAT Sensor 2 Circuit Low
P0098	IAT Sensor 2 Circuit High
P0099	IAT Sensor 2 CKT Intermittent
P0100	MAF or VAF A Circuit Malfunction

P0101	MAF or VAF A Circuit Range/Performance
P0102	MAF or VAF A Circuit Low Input
P0103	MAF or VAF A Circuit High Input
P0104	MAF or VAF A Circuit Intermittent
P0105	MAP/BARO Circuit Malfunction
P0106	MAP/BARO CKT Range/Performance
P0107	MAP/BARO Circuit Low Input
P0108	MAP/BARO Circuit High Input
P0109	MAP/BARO CKT Intermittent
P0110	IAT Sensor Circuit Malfunction
P0111	IAT Sensor 1 CKT Range/Performance
P0112	IAT Sensor 1 Circuit Low Input
P0113	IAT Sensor 1 Circuit High Input
P0114	IAT Sensor 1 CKT Intermittent
P0115	Engine Coolant Temp Circuit Malfunction
P0116	Engine Coolant Temp CKT Range/Performance
P0117	Engine Coolant Temp Circuit Low Input
P0118	Engine Coolant Temp Circuit High Input
P0119	Engine Coolant Temp CKT Intermittent
P0120	TPS/Pedal Position Sensor A Circuit Malfunction
P0121	TPS/Pedal Position Sensor A CKT Range/Performance
P0122	TPS/Pedal Position Sensor A Circuit Low Input
P0123	TPS/Pedal Position Sensor A Circuit High Input
P0124	TPS/Pedal Position Sensor A CKT Intermittent
P0125	Closed Loop Fuel Ctrl Insufficient Coolant Temp
P0126	Coolant Temp Insufficient Stable Operation
P0127	IAT Sensor Too High
P0128	Coolant Temp Below Thermostat Regulating Temp
P0129	Barometric Pressure Too Low
P0130	O2 Sensor Circuit Malfunction (Bank 1 Sensor 1)
P0131	O2 Sensor Circuit Low Volts (Bank 1 Sensor 1)
P0132	O2 Sensor Circuit High Volts (Bank 1 Sensor 1)
P0133	O2 Sensor CKT Slow Response (Bank 1 Sensor 1)
P0134	O2 Sensor CKT No Activity (Bank 1 Sensor 1)
P0135	O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)
P0136	O2 Sensor Circuit Malfunction (Bank 1 Sensor 2)
P0137	O2 Sensor Circuit Low Volts (Bank 1 Sensor 2)
P0138	O2 Sensor Circuit High Volts (Bank 1 Sensor 2)

P0139	O2 Sensor CKT Slow Response (Bank 1 Sensor 2)
P0140	O2 Sensor CKT No Activity (Bank 1 Sensor 2)
P0141	O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)
P0142	O2 Sensor Circuit Malfunction (Bank 1 Sensor 3)
P0143	O2 Sensor Circuit Low Volts (Bank 1 Sensor 3)
P0144	O2 Sensor Circuit High Volts (Bank 1 Sensor 3)
P0145	O2 Sensor CKT Slow Response (Bank 1 Sensor 3)
P0146	O2 Sensor CKT No Activity (Bank 1 Sensor 3)
P0147	O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 3)
P0148	Fuel Delivery Malfunction
P0149	Fuel Timing Malfunction
P0150	O2 Sensor Circuit Malfunction (Bank 2 Sensor 1)
P0151	O2 Sensor Circuit Low Volts (Bank 2 Sensor 1)
P0152	O2 Sensor Circuit High Volts (Bank 2 Sensor 1)
P0153	O2 Sensor CKT Slow Response (Bank 2 Sensor 1)
P0154	O2 Sensor CKT No Activity (Bank 2 Sensor 1)
P0155	O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)
P0156	O2 Sensor Circuit Malfunction (Bank 2 Sensor 2)
P0157	O2 Sensor Circuit Low Volts (Bank 2 Sensor 2)
P0158	O2 Sensor Circuit High Volts (Bank 2 Sensor 2)
P0159	O2 Sensor CKT Slow Response (Bank 2 Sensor 2)
P0160	O2 Sensor CKT No Activity (Bank 2 Sensor 2)
P0161	O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)
P0162	O2 Sensor Circuit Malfunction (Bank 2 Sensor 3)
P0163	O2 Sensor Circuit Low Volts (Bank 2 Sensor 3)
P0164	O2 Sensor Circuit High Volts (Bank 2 Sensor 3)
P0165	O2 Sensor CKT Slow Response (Bank 2 Sensor 3)
P0166	O2 Sensor CKT No Activity (Bank 2 Sensor 3)
P0167	O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 3)
P0168	Engine Fuel Temperature Too High
P0169	Fuel Composition Incorrect
P0170	Fuel Trim Malfunction (Bank 1)
P0171	System Too Lean (Bank 1)
P0172	System Too Rich (Bank 1)
P0173	Fuel Trim Malfunction (Bank 2)
P0174	System Too Lean (Bank 2)
P0175	System Too Rich (Bank 2)
P0176	Fuel Compensation Sensor Circuit Malfunction

P0177 Fuel Compensation Sensor Circuit Low Input P0178 Fuel Compensation Sensor Circuit Low Input P0179 Fuel Compensation Sensor Circuit High Input P0180 Fuel Temperature Sensor A Circuit Malfunction P0181 Fuel Temperature Sensor A CKT Range/Performance P0182 Fuel Temperature Sensor A CKT Range/Performance P0183 Fuel Temperature Sensor A CKT Intermittent P0184 Fuel Temperature Sensor B Circuit High Input P0185 Fuel Temperature Sensor B CKT Range/Performance P0186 Fuel Temperature Sensor B Circuit Low Input P0187 Fuel Temperature Sensor B Circuit High Input P0188 Fuel Temperature Sensor B CKT Intermittent P0189 Fuel Rail Pressure Sensor Circuit Malfunction P0190 Fuel Rail Pressure Sensor Circuit Low Input P0191 Fuel Rail Pressure Sensor Circuit High Input P0192 Fuel Rail Pressure Sensor Circuit Malfunction P0193 Fuel Rail Pressure Sensor Circuit Malfunction P0194 Fuel Rail Pressure Sensor Circuit Malfunction P0195 Engine Oil Temp Sensor Circuit High Input P0196 Engine Oil Temp Sensor C		
P0179 Fuel Compensation Sensor Circuit High Input P0180 Fuel Temperature Sensor A Circuit Malfunction P0181 Fuel Temperature Sensor A CKT Range/Performance P0182 Fuel Temperature Sensor A Circuit Low Input P0183 Fuel Temperature Sensor A Circuit High Input P0184 Fuel Temperature Sensor A CKT Intermittent P0185 Fuel Temperature Sensor B Circuit Malfunction P0186 Fuel Temperature Sensor B Circuit Malfunction P0187 Fuel Temperature Sensor B CKT Range/Performance P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor Circuit Low Input P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor Circuit High Input P0195 Engine Oil Temp Sensor CKT Intermittent P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor CKT Range/Performance P0198 Engine Oil Temp Sensor Circuit Low Input P0199 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor Circuit High Input P0199 Injector Circuit Open P0201 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 9 P0201 Injector Circuit Open Cylinder 1 P0211 Injector Circuit Open Cylinder 1 P0212 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0177	
P0180 Fuel Temperature Sensor A Circuit Malfunction P0181 Fuel Temperature Sensor A CKT Range/Performance P0182 Fuel Temperature Sensor A Circuit Low Input P0183 Fuel Temperature Sensor A Circuit High Input P0184 Fuel Temperature Sensor A CKT Intermittent P0185 Fuel Temperature Sensor B Circuit Malfunction P0186 Fuel Temperature Sensor B Circuit Malfunction P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit Low Input P0189 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor Circuit Malfunction P0196 Engine Oil Temp Sensor Circuit Malfunction P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor Circuit High Input P0190 Injector Circuit Open P0201 Injector Circuit Open P0201 Injector Circuit Open P0202 Injector Circuit Open Cylinder 1 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 5 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 8 P0201 Injector Circuit Open Cylinder 9 P0201 Injector Circuit Open Cylinder 9 P0201 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 10 P0212 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0178	Fuel Compensation Sensor Circuit Low Input
P0181 Fuel Temperature Sensor A CKT Range/Performance P0182 Fuel Temperature Sensor A Circuit Low Input P0183 Fuel Temperature Sensor A Circuit High Input P0184 Fuel Temperature Sensor A CKT Intermittent P0185 Fuel Temperature Sensor B Circuit Malfunction P0186 Fuel Temperature Sensor B Circuit Malfunction P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor Circuit Malfunction P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor Circuit High Input P0195 Engine Oil Temp Sensor Circuit Malfunction P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor CKT Range/Performance P0198 Engine Oil Temp Sensor CKT Range/Performance P0199 Engine Oil Temp Sensor CKT Intermittent P0190 Injector Circuit Open Cylinder 1 P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 1 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 8 P0201 Injector Circuit Open Cylinder 9 P0201 Injector Circuit Open Cylinder 9 P0201 Injector Circuit Open Cylinder 10 P0202 Injector Circuit Open Cylinder 10 P0203 Injector Circuit Open Cylinder 10 P0204 Injector Circuit Open Cylinder 10 P0205 Injector Circuit Open Cylinder 10 P0206 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 10 P0212 Injector Circuit Open Cylinder 10 P0213 Cold Start Injector 1 Malfunction	P0179	Fuel Compensation Sensor Circuit High Input
P0182 Fuel Temperature Sensor A Circuit Low Input P0183 Fuel Temperature Sensor A Circuit High Input P0184 Fuel Temperature Sensor A CKT Intermittent P0185 Fuel Temperature Sensor B Circuit Malfunction P0186 Fuel Temperature Sensor B CKT Range/Performance P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit Low Input P0189 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Rail Pressure Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor CKT Range/Performance P0193 Fuel Rail Pressure Sensor Circuit Low Input P0194 Fuel Rail Pressure Sensor Circuit High Input P0195 Engine Oil Temp Sensor CKT Intermittent P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor Circuit High Input P0199 Injector Circuit Open P0201 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 3 P0205 Injector Circuit Open Cylinder 6 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 9 P0211 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 9 P0211 Injector Circuit Open Cylinder 10 P0212 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0180	Fuel Temperature Sensor A Circuit Malfunction
P0183 Fuel Temperature Sensor A Circuit High Input P0184 Fuel Temperature Sensor A CKT Intermittent P0185 Fuel Temperature Sensor B Circuit Malfunction P0186 Fuel Temperature Sensor B CKT Range/Performance P0187 Fuel Temperature Sensor B CKT Range/Performance P0188 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor CKT Intermittent P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Malfunction P0198 Engine Oil Temp Sensor Circuit Low Input P0199 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 3 P0205 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 6 P0208 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 8 P0200 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 9 P0211 Injector Circuit Open Cylinder 10 P0212 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0181	Fuel Temperature Sensor A CKT Range/Performance
P0184 Fuel Temperature Sensor A CKT Intermittent P0185 Fuel Temperature Sensor B Circuit Malfunction P0186 Fuel Temperature Sensor B CKT Range/Performance P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor CKT Intermittent P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 1 P0211 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		Fuel Temperature Sensor A Circuit Low Input
P0185 Fuel Temperature Sensor B Circuit Malfunction P0186 Fuel Temperature Sensor B CKT Range/Performance P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor CKT Range/Performance P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit Low Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 8 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0183	· · · · · · · · · · · · · · · · · · ·
P0186 Fuel Temperature Sensor B CKT Range/Performance P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor CKT Intermittent P0196 Engine Oil Temp Sensor CKT Intermittent P0197 Engine Oil Temp Sensor CKT Range/Performance P0198 Engine Oil Temp Sensor Circuit Low Input P0199 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 8 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		•
P0187 Fuel Temperature Sensor B Circuit Low Input P0188 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor CKT Intermittent P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 9 P0211 Injector Circuit Open Cylinder 10 P0212 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		· · · · · · · · · · · · · · · · · · ·
P0188 Fuel Temperature Sensor B Circuit High Input P0189 Fuel Temperature Sensor B CKT Intermittent P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor CKT Intermittent P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor CKT Range/Performance P0198 Engine Oil Temp Sensor Circuit Low Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 9 P0211 Injector Circuit Open Cylinder 10 P0212 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		
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P0190 Fuel Rail Pressure Sensor Circuit Malfunction P0191 Fuel Rail Pressure Sensor CKT Range/Performance P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor Circuit Malfunction P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 6 P0208 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		
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P0192 Fuel Rail Pressure Sensor Circuit Low Input P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor CKT Range/Performance P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		
P0193 Fuel Rail Pressure Sensor Circuit High Input P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor Circuit Malfunction P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		9
P0194 Fuel Rail Pressure Sensor CKT Intermittent P0195 Engine Oil Temp Sensor Circuit Malfunction P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		
P0195 Engine Oil Temp Sensor Circuit Malfunction P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		•
P0196 Engine Oil Temp Sensor CKT Range/Performance P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		
P0197 Engine Oil Temp Sensor Circuit Low Input P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0195	
P0198 Engine Oil Temp Sensor Circuit High Input P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0196	Engine Oil Temp Sensor CKT Range/Performance
P0199 Engine Oil Temp Sensor CKT Intermittent P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0197	•
P0200 Injector Circuit Open P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		
P0201 Injector Circuit Open Cylinder 1 P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0199	Engine Oil Temp Sensor CKT Intermittent
P0202 Injector Circuit Open Cylinder 2 P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0200	Injector Circuit Open
P0203 Injector Circuit Open Cylinder 3 P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0201	Injector Circuit Open Cylinder 1
P0204 Injector Circuit Open Cylinder 4 P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0202	, , , , , , , , , , , , , , , , , , , ,
P0205 Injector Circuit Open Cylinder 5 P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0203	Injector Circuit Open Cylinder 3
P0206 Injector Circuit Open Cylinder 6 P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0204	
P0207 Injector Circuit Open Cylinder 7 P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction	P0205	<u> </u>
P0208 Injector Circuit Open Cylinder 8 P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		
P0209 Injector Circuit Open Cylinder 9 P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		, , , , , , , , , , , , , , , , , , , ,
P0210 Injector Circuit Open Cylinder 10 P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		·
P0211 Injector Circuit Open Cylinder 11 P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		· · ·
P0212 Injector Circuit Open Cylinder 12 P0213 Cold Start Injector 1 Malfunction		, ,
P0213 Cold Start Injector 1 Malfunction		
P0214 Cold Start Injector 2 Malfunction		
	P0214	Cold Start Injector 2 Malfunction

P0215	Engine Shutoff Solenoid Malfunction
P0216	Injection Timing Control Circuit Malfunction
P0217	Engine Overtemp Condition
P0218	Transmission Overtemp Condition
P0219	Engine Overspeed Condition
P0220	TPS/Pedal Position Sensor/Switch B Circuit Malfunction
P0221	TPS/Pedal Position Sensor/Switch B CKT Range/Performance
P0222	TPS/Pedal Position Sensor/Switch B Circuit Low Input
P0223	TPS/Pedal Position Sensor/Switch B Circuit High Input
P0224	TPS/Pedal Position Sensor/Switch B CKT Intermittent
P0225	TPS/Pedal Position Sensor/Switch C Circuit Malfunction
P0226	TPS/Pedal Position Sensor/Switch C CKT Range/Performance
P0227	TPS/Pedal Position Sensor/Switch C Circuit Low Input
P0228	TPS/Pedal Position Sensor/Switch C Circuit High Input
P0229	TPS/Pedal Position Sensor/Switch C CKT Intermittent
P0230	Fuel Pump Primary Circuit Malfunction
P0231	Fuel Pump Secondary Circuit Low
P0232	Fuel Pump Secondary Circuit High
P0233	Fuel Pump Secondary Circuit Intermittent Ckt
P0234	Engine Overboost Condition
P0235	Turbo/Super Boost Sensor A Circuit Malfunction
P0236	Turbo/Super Boost Sensor A CKT Range/Performance
P0237	Turbo/Super Boost Sensor A Circuit Low Input
P0238	Turbo/Super Boost Sensor A Circuit High Input
P0239	Turbo/Super Boost Sensor B Circuit Malfunction
P0240	Turbo/Super Boost Sensor B CKT Range/Performance
P0241	Turbo/Super Boost Sensor B Circuit Low Input
P0242	Turbo/Super Boost Sensor B Circuit High Input
P0243	Turbo/Sup Wastegate Solenoid A Malfunction
P0244	Turbo/Sup Wastegate Solenoid A Range/Performance
P0245	Turbo/Sup Wastegate Solenoid A Low
P0246	Turbo/Sup Wastegate Solenoid A High
P0247	Turbo/Sup Wastegate Solenoid B Malfunction
P0248	Turbo /Sup Wastegate Solenoid B Range/Performance
P0249	Turbo/Sup Wastegate Solenoid B Low
P0250	Turbo/Sup Wastegate Solenoid B High
P0251	Injection Pump Metering Control A
P0252	Injection Pump Metering Control A Range/Performance

P0253 Injection Pump Metering Control A Low P0254 Injection Pump Metering Control A High P0255 Injection Pump Metering Control A Intermittent (CO) P0256 Injection Pump Metering Control B Malfunction (CO) P0257 Injection Pump Metering Control B Range/Pour (Cam/Rotor/Injector) P0258 Injection Pump Metering Control B Low (Car) P0258 Injection Pump Metering Control B Low (Car)	Cam/Rotor/Injector)
P0255 Injection Pump Metering Control A Intermittent (CP0256 Injection Pump Metering Control B Malfunction (CP0257 Injection Pump Metering Control B Range/Processor (Cam/Rotor/Injector) P0258 Injection Pump Metering Control B Low (Cam/Rotor/Injector)	Cam/Rotor/Injector)
P0256 Injection Pump Metering Control B Malfunction (Control B Range/Po257 (Cam/Rotor/Injector) P0258 Injection Pump Metering Control B Low (Cam/Rotor/Injector)	Cam/Rotor/Injector)
P0257 Injection Pump Metering Control B Range/P (Cam/Rotor/Injector) P0258 Injection Pump Metering Control B Low (Car	. ,
P0257 (Cam/Rotor/Injector) P0258 Injection Pump Metering Control B Low (Car	erformance
P0258 Injection Pump Metering Control B Low (Car	
, 1	
DOOFO I I II D MAIL I O I IDIII I O	
P0259 Injection Pump Metering Control B High (Ca	
P0260 Injection Pump Metering Control B Intermitte	ent
(Cam/Rotor/Injector)	
P0261 Cylinder 1 Injector Control Circuit Low	
P0262 Cylinder 1 Injector Control Circuit High	
P0263 Cylinder 1 Contribution Balance Fault	
P0264 Cylinder 2 Injector Control Circuit Low	
P0265 Cylinder 2 Injector Control Circuit High	
P0266 Cylinder 2 Contribution Balance Fault	
P0267 Cylinder 3 Injector Control Circuit Low	
P0268 Cylinder 3 Injector Control Circuit High	
P0269 Cylinder 3 Contribution Balance Fault	
P0270 Cylinder 4 Injector Control Circuit Low	
P0271 Cylinder 4 Injector Control Circuit High	
P0272 Cylinder 4 Contribution Balance Fault	
P0273 Cylinder 5 Injector Control Circuit Low	
P0274 Cylinder 5 Injector Control Circuit High	
P0275 Cylinder 5 Contribution Balance Fault	
P0276 Cylinder 6 Injector Control Circuit Low	
P0277 Cylinder 6 Injector Control Circuit High	
P0278 Cylinder 6 Contribution Balance Fault	
P0279 Cylinder 7 Injector Control Circuit Low	
P0280 Cylinder 7 Injector Control Circuit High	
P0281 Cylinder 7 Contribution Balance Fault	
P0282 Cylinder 8 Injector Control Circuit Low	
P0283 Cylinder 8 Injector Control Circuit High	
P0284 Cylinder 8 Contribution Balance Fault	
P0285 Cylinder 9 Injector Control Circuit Low	
P0286 Cylinder 9 Injector Control Circuit High	
P0287 Cylinder 9 Contribution Balance Fault	
P0288 Cylinder 10 Injector Control Circuit Low	

P0289	Cylinder 10 Injector Control Circuit High
P0290	Cylinder 10 Contribution Balance Fault
P0291	Cylinder 11 Injector Control Circuit Low
P0292	Cylinder 11 Injector Control Circuit High
P0293	Cylinder 11 Contribution Balance Fault
P0294	Cylinder 12 Injector Control Circuit Low
P0295	Cylinder 12 Injector Control Circuit High
P0296	Cylinder 12 Contribution Balance Fault
P0297	Vehicle Overspeed Error
P0298	Engine Oil Temperature Too High
P0299	Turbo/Super Charger UnderBoost
P0300	Random/Multiple Cylinder Misfire Detected
P0301	Cylinder 1 Misfire Detected
P0302	Cylinder 2 Misfire Detected
P0303	Cylinder 3 Misfire Detected
P0304	Cylinder 4 Misfire Detected
P0305	Cylinder 5 Misfire Detected
P0306	Cylinder 6 Misfire Detected
P0307	Cylinder 7 Misfire Detected
P0308	Cylinder 8 Misfire Detected
P0309	Cylinder 9 Misfire Detected
P0310	Cylinder 10 Misfire Detected
P0311	Cylinder 11 Misfire Detected
P0312	Cylinder 12 Misfire Detected
P0313	Misfire Detected Low Fuel Level
P0314	Misfire Detected Cyl. not Specific
P0315	Crankshaft Position System Variation Not Learned
P0316	Misfire Detected 1st 1000 Revs.
P0317	Rough Road Hardware Not Present
P0318	Rough Road Sensor A Signal Circuit
P0319	Rough Road Sensor B
P0320	Ignition/Dist Engine Speed Input Circuit Malfunction
P0321	Ignition/Dist Engine Speed Input CKT Range/Performance
P0322	Ignition/Dist Engine Speed Input Circuit No Signal
P0323	Ignition/Dist Engine Speed Input CKT Intermittent
P0324	Knock Control System Malfunction
P0325	Knock Sensor 1 Circuit Malfunction Bank 1 or 1 Sensor
P0326	Knock Sensor 1 CKT Range/Performance Bank 1 or 1 Sensor

P0328 Knock Sensor 1 Circuit High Input Bank 1 or 1 Sensor P0329 Knock Sensor 1 CKT Intermittent Bank 1 or 1 Sensor P0330 Knock Sensor 2 Circuit Malfunction (Bank 2) P0331 Knock Sensor 2 CKT Range/Performance (Bank 2) P0332 Knock Sensor 2 Circuit Low Input (Bank 2) P0333 Knock Sensor 2 Circuit High Input (Bank 2) P0334 Knock Sensor 2 Circuit High Input (Bank 2) P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A CKT Range/Performance P0337 Crankshaft Position Sensor A CKT Range/Performance P0338 Crankshaft Position Sensor A CKT Intermittent P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 Circuit High Input P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0348 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0349 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0350 Ignition Coil A Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0353 Ignition Coil F Primary/Secondary Circuit Malfunction P0354 Ignition Coil F Primary/Secondary Circuit Malfunction P0355 Ignition Coil I Primary/Secondary Circuit Malfunction P0356 Ignition Coil I Primary/Secondary Circuit Malfunction P0357 Ignition Coil I Primary/Secondary Circuit Malfunction P0358 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignitio	D0007	K 10 10' ''I 1 10 11 10
P0329 Knock Sensor 1 CKT Intermittent Bank 1 or 1 Sensor P0330 Knock Sensor 2 Circuit Malfunction (Bank 2) P0331 Knock Sensor 2 CKT Range/Performance (Bank 2) P0332 Knock Sensor 2 Circuit Low Input (Bank 2) P0333 Knock Sensor 2 Circuit High Input (Bank 2) P0334 Knock Sensor 2 Circuit High Input (Bank 2) P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A CKT Range/Performance P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0342 Camshaft Position Sensor A - Bank 1 Circuit High Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0348 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0349 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0350 Ignition Coil A Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil Primary/Secondary Circuit Malfunction P0353 Ignition Coil F Primary/Secondary Circuit Malfunction P0354 Ignition Coil F Primary/Secondary Circuit Malfunction P0355 Ignition Coil I Primary/Secondary Circuit Malfunction P0356 Ignition Coil I Primary/Secondary Circuit Malfunction P0357 Ignition Coil I Primary/Secondary Circuit Malfunction P0358 Ignition Coil I Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil I Primary/Secondary Circuit Malfunction P0361 Ignition C	P0327	Knock Sensor 1 Circuit Low Input Bank 1 or 1 Sensor
P0330 Knock Sensor 2 Circuit Malfunction (Bank 2) P0331 Knock Sensor 2 CKT Range/Performance (Bank 2) P0332 Knock Sensor 2 Circuit Low Input (Bank 2) P0333 Knock Sensor 2 Circuit High Input (Bank 2) P0334 Knock Sensor 2 CKT Intermittent (Bank 2) P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A Circuit Low Input P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0349 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil Primary/Secondary Circuit Malfunction P0352 Ignition Coil Primary/Secondary Circuit Malfunction P0353 Ignition Coil Primary/Secondary Circuit Malfunction P0354 Ignition Coil Primary/Secondary Circuit Malfunction P0355 Ignition Coil Primary/Secondary Circuit Malfunction P0356 Ignition Coil Frimary/Secondary Circuit Malfunction P0357 Ignition Coil Frimary/Secondary Circuit Malfunction P0358 Ignition Coil Frimary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil L Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Seconda		<u> </u>
P0331 Knock Sensor 2 CKT Range/Performance (Bank 2) P0332 Knock Sensor 2 Circuit Low Input (Bank 2) P0333 Knock Sensor 2 Circuit High Input (Bank 2) P0334 Knock Sensor 2 CKT Intermittent (Bank 2) P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A Circuit Low Input P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A Circuit High Input P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil B Primary/Secondary Circuit Malfunction P0355 Ignition Coil B Primary/Secondary Circuit Malfunction P0356 Ignition Coil G Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil I Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil J Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		
P0332 Knock Sensor 2 Circuit Low Input (Bank 2) P0333 Knock Sensor 2 Circuit High Input (Bank 2) P0334 Knock Sensor 2 CKT Intermittent (Bank 2) P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A CKT Range/Performance P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A CKT Intermittent P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0343 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0344 Camshaft Position Sensor A - Bank 1 Circuit High Input P0345 Camshaft Position Sensor A - Bank 2 Circuit High Input P0346 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0347 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil B Primary/Secondary Circuit Malfunction P0354 Ignition Coil F Primary/Secondary Circuit Malfunction P0355 Ignition Coil G Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil H Primary/Secondary Circuit Malfunction P0358 Ignition Coil F Primary/Secondary Circuit Malfunction P0359 Ignition Coil H Primary/Secondary Circuit Malfunction P0360 Ignition Coil H Primary/Secondary Circuit Malfunction P0361 Ignition Coil L Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		, ,
P0333 Knock Sensor 2 Circuit High Input (Bank 2) P0334 Knock Sensor 2 CKT Intermittent (Bank 2) P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A CKT Range/Performance P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 Circuit High Input P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Multination P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil C Primary/Secondary Circuit Malfunction P0355 Ignition Coil F Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil F Primary/Secondary Circuit Malfunction P0358 Ignition Coil F Primary/Secondary Circuit Malfunction P0359 Ignition Coil F Primary/Secondary Circuit Malfunction P0350 Ignition Coil F Primary/Secondary Circuit Malfunction P0351 Ignition Coil F Primary/Secondary Circuit Malfunction P0353 Ignition Coil F Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil F Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil L Primary/Secondary Circuit Ma		· , ,
P0334 Knock Sensor 2 CKT Intermittent (Bank 2) P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A CKT Range/Performance P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil P Primary/Secondary Circuit Malfunction P0355 Ignition Coil F Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil F Primary/Secondary Circuit Malfunction P0358 Ignition Coil F Primary/Secondary Circuit Malfunction P0359 Ignition Coil F Primary/Secondary Circuit Malfunction P0360 Ignition Coil F Primary/Secondary Circuit Malfunction P0361 Ignition Coil F Primary/Secondary Circuit Malfunction P0362 Ignition Coil F Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		, , ,
P0335 Crankshaft Position Sensor A Circuit Malfunction P0336 Crankshaft Position Sensor A CKT Range/Performance P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil C Primary/Secondary Circuit Malfunction P0355 Ignition Coil F Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil F Primary/Secondary Circuit Malfunction P0358 Ignition Coil F Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0350 Ignition Coil J Primary/Secondary Circuit Malfunction P0351 Ignition Coil I Primary/Secondary Circuit Malfunction P0353 Ignition Coil I Primary/Secondary Circuit Malfunction P0356 Ignition Coil I Primary/Secondary Circuit Malfunction P0357 Ignition Coil I Primary/Secondary Circuit Malfunction P0358 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil I Primary/Secondary Circuit Malfunction P0361 Ignition Coil I Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fue		
P0336 Crankshaft Position Sensor A CKT Range/Performance P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0347 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil C Primary/Secondary Circuit Malfunction P0355 Ignition Coil F Primary/Secondary Circuit Malfunction P0356 Ignition Coil G Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil G Primary/Secondary Circuit Malfunction P0359 Ignition Coil J Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil J Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		,
P0337 Crankshaft Position Sensor A Circuit Low Input P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0344 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0345 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0348 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil F Primary/Secondary Circuit Malfunction P0356<		
P0338 Crankshaft Position Sensor A Circuit High Input P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil F Primary/Secondary Circuit Malfunction P0359 Ignition Coil H Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		Crankshaft Position Sensor A CKT Range/Performance
P0339 Crankshaft Position Sensor A CKT Intermittent P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil G Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		Crankshaft Position Sensor A Circuit Low Input
P0340 Camshaft Position Sensor A - Bank 1 Circuit Malfunction P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil F Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil J Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		
P0341 Camshaft Position Sensor A - Bank 1 CKT Range/Performance P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil I Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0350 Ignition Coil I Primary/Secondary Circuit Malfunction P0351 Ignition Coil I Primary/Secondary Circuit Malfunction P0353 Ignition Coil I Primary/Secondary Circuit Malfunction P0356 Ignition Coil I Primary/Secondary Circuit Malfunction P0367 Ignition Coil I Primary/Secondary Circuit Malfunction P0368 Ignition Coil I Primary/Secondary Circuit Malfunction P0369 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil I Primary/Secondary Circuit Malfunction P0361 Ignition Coil I Primary/Secondary Circuit Malfunction P0362 Ignition Coil I Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		
P0342 Camshaft Position Sensor A - Bank 1 Circuit Low Input P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil G Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		
P0343 Camshaft Position Sensor A - Bank 1 Circuit High Input P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0341	
P0344 Camshaft Position Sensor A - Bank 1 CKT Intermittent P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil J Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0342	Camshaft Position Sensor A - Bank 1 Circuit Low Input
P0345 Camshaft Position Sensor A - Bank 2 Circuit Malfunction P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled		Camshaft Position Sensor A - Bank 1 Circuit High Input
P0346 Camshaft Position Sensor A - Bank 2 CKT Range/Performance P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0344	Camshaft Position Sensor A - Bank 1 CKT Intermittent
P0347 Camshaft Position Sensor A - Bank 2 Circuit Low Input P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0345	Camshaft Position Sensor A - Bank 2 Circuit Malfunction
P0348 Camshaft Position Sensor A - Bank 2 Circuit High Input P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0346	Camshaft Position Sensor A - Bank 2 CKT Range/Performance
P0349 Camshaft Position Sensor A - Bank 2 CKT Intermittent P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0347	Camshaft Position Sensor A - Bank 2 Circuit Low Input
P0350 Ignition Coil Primary/Secondary Circuit Malfunction P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0348	Camshaft Position Sensor A - Bank 2 Circuit High Input
P0351 Ignition Coil A Primary/Secondary Circuit Malfunction P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0349	Camshaft Position Sensor A - Bank 2 CKT Intermittent
P0352 Ignition Coil B Primary/Secondary Circuit Malfunction P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0350	Ignition Coil Primary/Secondary Circuit Malfunction
P0353 Ignition Coil C Primary/Secondary Circuit Malfunction P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0351	Ignition Coil A Primary/Secondary Circuit Malfunction
P0354 Ignition Coil D Primary/Secondary Circuit Malfunction P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0352	Ignition Coil B Primary/Secondary Circuit Malfunction
P0355 Ignition Coil E Primary/Secondary Circuit Malfunction P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0353	Ignition Coil C Primary/Secondary Circuit Malfunction
P0356 Ignition Coil F Primary/Secondary Circuit Malfunction P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0354	Ignition Coil D Primary/Secondary Circuit Malfunction
P0357 Ignition Coil G Primary/Secondary Circuit Malfunction P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0355	Ignition Coil E Primary/Secondary Circuit Malfunction
P0358 Ignition Coil H Primary/Secondary Circuit Malfunction P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0356	· ·
P0359 Ignition Coil I Primary/Secondary Circuit Malfunction P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0357	Ignition Coil G Primary/Secondary Circuit Malfunction
P0360 Ignition Coil J Primary/Secondary Circuit Malfunction P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0358	Ignition Coil H Primary/Secondary Circuit Malfunction
P0361 Ignition Coil K Primary/Secondary Circuit Malfunction P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0359	Ignition Coil I Primary/Secondary Circuit Malfunction
P0362 Ignition Coil L Primary/Secondary Circuit Malfunction P0363 Misfire Detected Fueling Disabled	P0360	
P0363 Misfire Detected Fueling Disabled	P0361	Ignition Coil K Primary/Secondary Circuit Malfunction
	P0362	Ignition Coil L Primary/Secondary Circuit Malfunction
P0365 Camshaft Position Sensor B - Bank 1 Circuit Malfunction	P0363	
	P0365	Camshaft Position Sensor B - Bank 1 Circuit Malfunction

P0366Camshaft Position Sensor B - Bank 1 CKT Range/PerformanceP0367Camshaft Position Sensor B - Bank 1 Circuit Low InputP0368Camshaft Position Sensor B - Bank 1 Circuit High InputP0369Camshaft Position Sensor B - Bank 1 CKT IntermittentP0370Timing Reference High Resolution Signal A MalfunctionP0371Timing Reference High Resolution Signal A Too Many PulsesP0372Timing Reference High Resolution Signal A Too Few PulsesP0373Timing Reference High Resolution Signal A Frratic PulsesP0374Timing Reference High Resolution Signal A No PulsesP0375Timing Reference High Resolution Signal B MalfunctionP0376Timing Reference High Resolution Signal B Too Many PulsesP0377Timing Reference High Resolution Signal B Too Few PulsesP0378Timing Reference High Resolution Signal B Erratic PulsesP0379Timing Reference High Resolution Signal B No PulsesP0380Glow Plug/Heater CKT A MalfunctionP0381Glow Plug/Heater Indicator Circuit MalfunctionP0382Glow Plug Module Control Circuit LowP0383Glow Plug Module Control Circuit HighP0384Glow Plug Module Control Circuit HighP0385Crankshaft Position Sensor B CKT Range/PerformanceP0387Crankshaft Position Sensor B Circuit High InputP0388Crankshaft Position Sensor B - Bank 2 Circuit MalfunctionP0389Camshaft Position Sensor B - Bank 2 Circuit Low InputP0390Camshaft Position Sensor B - Bank 2 Circuit High InputP0391Camshaft Position Sensor B - Bank 2
P0368 Camshaft Position Sensor B - Bank 1 Circuit High Input P0369 Camshaft Position Sensor B - Bank 1 CKT Intermittent P0370 Timing Reference High Resolution Signal A Malfunction P0371 Timing Reference High Resolution Signal A Too Many Pulses P0372 Timing Reference High Resolution Signal A Too Few Pulses P0373 Timing Reference High Resolution Signal A Erratic Pulses P0374 Timing Reference High Resolution Signal A No Pulses P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater CKT B Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Malfunction P0384 Glow Plug Module Control Circuit Low P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit High Input P0388 Crankshaft Position Sensor B CKT Intermittent P0389 Crankshaft Position Sensor B - Bank 2 Circuit Malfunction P0390 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0391 Camshaft Position Sensor B - Bank 2 Circuit High Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0369 Camshaft Position Sensor B - Bank 1 CKT Intermittent P0370 Timing Reference High Resolution Signal A Malfunction P0371 Timing Reference High Resolution Signal A Too Many Pulses P0372 Timing Reference High Resolution Signal A Too Few Pulses P0373 Timing Reference High Resolution Signal A Erratic Pulses P0374 Timing Reference High Resolution Signal A No Pulses P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Too Few Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater CKT A Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Malfunction P0384 Glow Plug Module Control Circuit Low P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit High Input P0388 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit High Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0370 Timing Reference High Resolution Signal A Malfunction P0371 Timing Reference High Resolution Signal A Too Many Pulses P0372 Timing Reference High Resolution Signal A Too Few Pulses P0373 Timing Reference High Resolution Signal A Erratic Pulses P0374 Timing Reference High Resolution Signal A No Pulses P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Too Few Pulses P0379 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B CKT Intermittent P0389 Crankshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0371 Timing Reference High Resolution Signal A Too Many Pulses P0372 Timing Reference High Resolution Signal A Too Few Pulses P0373 Timing Reference High Resolution Signal A Erratic Pulses P0374 Timing Reference High Resolution Signal A No Pulses P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Too Few Pulses P0379 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B Circuit Low Input P0387 Crankshaft Position Sensor B CKT Intermittent P0388 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0372 Timing Reference High Resolution Signal A Too Few Pulses P0373 Timing Reference High Resolution Signal A Erratic Pulses P0374 Timing Reference High Resolution Signal A No Pulses P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0373 Timing Reference High Resolution Signal A Erratic Pulses P0374 Timing Reference High Resolution Signal A No Pulses P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input
P0374 Timing Reference High Resolution Signal A No Pulses P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B CKT Range/Performance P0386 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0375 Timing Reference High Resolution Signal B Malfunction P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit High Input P0388 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input
P0376 Timing Reference High Resolution Signal B Too Many Pulses P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0377 Timing Reference High Resolution Signal B Too Few Pulses P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit High Input P0388 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0378 Timing Reference High Resolution Signal B Erratic Pulses P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit High Input P0388 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input
P0379 Timing Reference High Resolution Signal B No Pulses P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B CKT Intermittent P0389 Crankshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0380 Glow Plug/Heater CKT A Malfunction P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0381 Glow Plug/Heater Indicator Circuit Malfunction P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0382 Glow Plug/Heater CKT B Malfunction P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0383 Glow Plug Module Control Circuit Low P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0384 Glow Plug Module Control Circuit High P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0385 Crankshaft Position Sensor B Circuit Malfunction P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0386 Crankshaft Position Sensor B CKT Range/Performance P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0387 Crankshaft Position Sensor B Circuit Low Input P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0388 Crankshaft Position Sensor B Circuit High Input P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0389 Crankshaft Position Sensor B CKT Intermittent P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0390 Camshaft Position Sensor B - Bank 2 Circuit Malfunction P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0391 Camshaft Position Sensor B - Bank 2 CKT Range/Performance P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0392 Camshaft Position Sensor B - Bank 2 Circuit Low Input P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
P0393 Camshaft Position Sensor B - Bank 2 Circuit High Input
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P0394 Camshaft Position Sensor B - Bank 2 CKT Intermittent
P0400 EGR Flow Malfunction
P0401 EGR Flow Insufficient
P0402 EGR Flow Excessive
P0403 EGR Flow Circuit Malfunction
P0404 EGR Flow CKT Range/Performance
P0405 EGR Flow Sensor A Circuit Low Input
P0406 EGR Flow Sensor A Circuit High Input
P0407 EGR Flow Sensor B Circuit Low Input
P0408 EGR Flow Sensor B Circuit High Input

P0410 Secondary Air Injection System Malfunction P0411 Secondary Air Injection System Incorrect Flow P0412 Secondary Air Injection System Valve A Malfunction P0413 Secondary Air Injection System Valve A CKT Open P0414 Secondary Air Injection System Valve A CKT Short P0415 Secondary Air Injection System Valve B Malfunction P0416 Secondary Air Injection System Valve B Malfunction P0417 Secondary Air Injection System Valve B CKT Open P0418 Secondary Air Injection System Relay A Malfunction P0419 Secondary Air Injection System Relay B Malfunction P0410 Catalyst Efficiency Below Threshold (Bank 1) P0421 Warm Up Catalyst Below Threshold (Bank 1) P0422 Main Catalyst Below Threshold (Bank 1) P0423 Heated Catalyst Below Threshold (Bank 1) P0424 Heated Catalyst Temp Below Threshold (Bank 1) P0425 Catalyst Temp. Sensor (Bank 1 Sensor 1) P0426 Catalyst Temp. Sensor (Bank 1 Sensor 1) P0427 Catalyst Temp. Sensor Circuit Low (Bank 1 Sensor 1) P0428 Catalyst Temp. Sensor Circuit High (Bank 1 Sensor 1) P0429 Catalyst Heater Control (Bank 1) P0430 Catalyst Efficiency Below Threshold (Bank 2) P0431 Warm Up Catalyst Below Threshold (Bank 2) P0432 Main Catalyst Below Threshold (Bank 2) P0433 Heated Catalyst Below Threshold (Bank 2) P0434 Heated Catalyst Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0439 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0430 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0431 Warm Up Catalyst Below Threshold (Bank 2) P0432 Main Catalyst Temp. Sensor (Bank 2 Sensor 1) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System	P0409	EGR Flow Sensor A Circuit
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P0428 Catalyst Temp. Sensor Circuit High (Bank 1 Sensor 1) P0429 Catalyst Heater Control (Bank 1) P0430 Catalyst Efficiency Below Threshold (Bank 2) P0431 Warm Up Catalyst Below Threshold (Bank 2) P0432 Main Catalyst Below Threshold (Bank 2) P0433 Heated Catalyst Below Threshold (Bank 2) P0434 Heated Catalyst Temp Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0426	Catalyst Temp. Sensor Performance (Bank 1 Sensor 1)
P0430 Catalyst Efficiency Below Threshold (Bank 2) P0431 Warm Up Catalyst Below Threshold (Bank 2) P0432 Main Catalyst Below Threshold (Bank 2) P0433 Heated Catalyst Below Threshold (Bank 2) P0434 Heated Catalyst Temp Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0427	Catalyst Temp. Sensor Circuit Low (Bank 1 Sensor 1)
P0430 Catalyst Efficiency Below Threshold (Bank 2) P0431 Warm Up Catalyst Below Threshold (Bank 2) P0432 Main Catalyst Below Threshold (Bank 2) P0433 Heated Catalyst Below Threshold (Bank 2) P0434 Heated Catalyst Temp Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0428	Catalyst Temp. Sensor Circuit High (Bank 1 Sensor 1)
P0431 Warm Up Catalyst Below Threshold (Bank 2) P0432 Main Catalyst Below Threshold (Bank 2) P0433 Heated Catalyst Below Threshold (Bank 2) P0434 Heated Catalyst Temp Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0429	Catalyst Heater Control (Bank 1)
P0432 Main Catalyst Below Threshold (Bank 2) P0433 Heated Catalyst Below Threshold (Bank 2) P0434 Heated Catalyst Temp Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0430	Catalyst Efficiency Below Threshold (Bank 2)
P0433 Heated Catalyst Below Threshold (Bank 2) P0434 Heated Catalyst Temp Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0431	Warm Up Catalyst Below Threshold (Bank 2)
P0434 Heated Catalyst Temp Below Threshold (Bank 2) P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0432	Main Catalyst Below Threshold (Bank 2)
P0435 Catalyst Temp. Sensor (Bank 2 Sensor 1) P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0433	Heated Catalyst Below Threshold (Bank 2)
P0436 Catalyst Temp. Sensor Performance (Bank 2 Sensor 1) P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0434	Heated Catalyst Temp Below Threshold (Bank 2)
P0437 Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1) P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0435	Catalyst Temp. Sensor (Bank 2 Sensor 1)
P0438 Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1) P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0436	Catalyst Temp. Sensor Performance (Bank 2 Sensor 1)
P0439 Catalyst Heater Control (Bank 2) P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0437	Catalyst Temp. Sensor Circuit Low (Bank 2 Sensor 1)
P0440 EVAP Emission Control System Malfunction P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0438	Catalyst Temp. Sensor Circuit High (Bank 2 Sensor 1)
P0441 EVAP Emission Control System Purge Flow Fault P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0439	Catalyst Heater Control (Bank 2)
P0442 EVAP Emission Control System Leak (Small) P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0440	EVAP Emission Control System Malfunction
P0443 EVAP Emission Control System Purge Valve C Fault P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0441	EVAP Emission Control System Purge Flow Fault
P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0442	EVAP Emission Control System Leak (Small)
P0444 EVAP Emission Control System Purge Valve C Open P0445 EVAP Emission Control System Purge Valve C Short	P0443	, ,
P0445 EVAP Emission Control System Purge Valve C Short	P0444	
	P0445	· · · · · · · · · · · · · · · · · · ·
	P0446	EVAP Emission Control System Vent Circuit Malf

P0447 EVAP Emission Control System Vent Circuit Open P0448 EVAP Emission Control System Vent Circuit Short P0449 EVAP Emission Control System Vent VIv/Sol Malf P0450 EVAP Emission Control System Pres Sensor Fault P0451 EVAP Emission Control System Pres Sensor Fault P0451 EVAP Emission Control System Pres Sensor Annage P0452 EVAP Emission Control System Pres Sensor Low P0453 EVAP Emission Control System Pres Sensor Erratic P0454 EVAP Emission Control System Leak (Large) P0455 EVAP Emission Control System Leak Very Small P0456 EVAP Emission Control System Leak Very Small P0457 EVAP Emission Control System Leak Very Small P0458 EVAP Emission Control System Leak Very Small P0457 EVAP Emission Control System Leak Very Small P0458 EVAP Emission Control System Leak Very Small P0459 EVAP Emission Control System Leak Very Small P0460 EVAP System Canister Purge Sol Circuit Low P0461 Fuel Level Sensor A Circuit Malfunction P0462 Fuel Level Sensor A Circuit High Input P0463 Fuel Level Sensor A Ci		
P0449 EVAP Emission Control System Vent Vlv/Sol Malf P0450 EVAP Emission Control System Pres Sensor Fault P0451 EVAP Emission Control System Pres Sensor Range P0452 EVAP Emission Control System Pres Sensor Low P0453 EVAP Emission Control System Pres Sensor High P0454 EVAP Emission Control System Pres Sensor High P0455 EVAP Emission Control System Pres Sensor Erratic P0456 EVAP Emission Control System Leak (Large) P0457 EVAP Emission Control System Leak Very Small P0457 EVAP Emission Control System Leak Very Small P0458 EVAP System Canister Purge Sol Circuit Low P0459 EVAP System Canister Purge Sol Circuit High P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A Circuit Malfunction P0462 Fuel Level Sensor A Circuit High Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor Circuit Low Input P0467 EVAP Emission Purge Flow Sensor Circuit High Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor Circuit High Input P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor Circuit Malfunction P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor Circuit High Input P0475 Exhaust Pressure Sensor Circuit High Input P0476 Exhaust Pressure Sensor CKT Intermittent P0477 Exhaust Pressure Sensor CKT Intermittent P0478 Exhaust Pressure Control Valve Circuit Malfunction P0479 Exhaust Pressure Control Valve Circuit High Input P0470 Exhaust Pressure Control Valve CKT Range/Performance P0471 Exhaust Pressure Control Valve CKT Range/Performance P0472 Exhaust Pressure Control Valve CKT Range/Performance P0473 Exhaust Pressure Control Valve CKT Intermittent P0476 Exhaust Pressure Control Valve CKT Intermittent P0477 Exhaust Pressure Control Valve CKT Intermittent P0478 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling	P0447	<u> </u>
P0450 EVAP Emission Control System Pres Sensor Fault P0451 EVAP Emission Control System Pres Sensor Range P0452 EVAP Emission Control System Pres Sensor Low P0453 EVAP Emission Control System Pres Sensor Ligh P0454 EVAP Emission Control System Pres Sensor Firatic P0455 EVAP Emission Control System Leak (Large) P0456 EVAP Emission Control System Leak Very Small P0457 EVAP Emission Control System Leak Very Small P0458 EVAP System Canister Purge Sol Circuit Low P0459 EVAP System Canister Purge Sol Circuit High P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A CKT Range/Performance P0463 Fuel Level Sensor A CKT Intermittent P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor CKT Range/Performance P0468 EVAP Emission Purge Flow Sensor CKT Range/Performance P0469 EVAP Emission Purge Flow Sensor Circuit High Input P0460 EVAP Emission Purge Flow Sensor Circuit High Input P0461 EVAP Emission Purge Flow Sensor Circuit High Input P0462 EVAP Emission Purge Flow Sensor Circuit High Input P0463 EVAP Emission Purge Flow Sensor Circuit High Input P0464 EVAP Emission Purge Flow Sensor CKT Intermittent P0465 EVAP Emission Purge Flow Sensor CKT Intermittent P0466 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor CKT Range/Performance P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor CKT Intermittent P0473 Exhaust Pressure Control Valve Circuit Malfunction P0474 Exhaust Pressure Control Valve Circuit High Input P0475 Exhaust Pressure Control Valve Circuit High Input P0476 Exhaust Pressure Control Valve Circuit High Input P0477 Exhaust Pressure Control Valve Circuit High Input P0478 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve Circuit High Input P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P	P0448	
P0451 EVAP Emission Control System Pres Sensor Range P0452 EVAP Emission Control System Pres Sensor Low P0453 EVAP Emission Control System Pres Sensor High P0454 EVAP Emission Control System Pres Sensor Erratic P0455 EVAP Emission Control System Leak (Large) P0456 EVAP Emission Control System Leak Very Small P0457 EVAP Emission Control System Leak Cap Loose/Off P0458 EVAP System Canister Purge Sol Circuit Low P0459 EVAP System Canister Purge Sol Circuit High P0460 EVAP System Canister Purge Sol Circuit High P0461 Fuel Level Sensor A Circuit Malfunction P0462 Fuel Level Sensor A CKT Range/Performance P0463 Fuel Level Sensor A Circuit Low Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor Circuit Low Input P0467 EVAP Emission Purge Flow Sensor Circuit High Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor Circuit High Input P0460 EVAP Emission Purge Flow Sensor Circuit High Input P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor Circuit Malfunction P0472 Exhaust Pressure Sensor Circuit High Input P0473 Exhaust Pressure Sensor Circuit Low Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Sensor CKT Intermittent P0476 Exhaust Pressure Control Valve Circuit Malfunction P0477 Exhaust Pressure Control Valve Circuit High Input P0478 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve Circuit Low Input P0479 Exhaust Pressure Control Valve Circuit High Input P0470 Exhaust Pressure Control Valve Circuit High Input P0471 Exhaust Pressure Control Valve Circuit High Input P0472 Exhaust Pressure Control Valve Circuit High Input P0473 Exhaust Pressure Control Valve Circuit High Input P0474 Exhaust Pressure Control Valve Circuit High Input P0475 Exhaust Pressure Control Valve Circuit High Input P0476 Exhaust Pressure Control Valve Circuit High Input P0477 Exhaust Pressure Control Valve Circuit Hi	P0449	EVAP Emission Control System Vent VIv/Sol Malf
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P0455 EVAP Emission Control System Leak (Large) P0456 EVAP Emission Control System Leak Very Small P0457 EVAP Emission Control System Leak Cap Loose/Off P0458 EVAP System Canister Purge Sol Circuit Low P0459 EVAP System Canister Purge Sol Circuit High P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A CKT Intermittent P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor Circuit Low Input P0467 EVAP Emission Purge Flow Sensor Circuit High Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Sensor CKT Intermittent P0476 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve CKT Range/Performance P0477 Exhaust Pressure Control Valve CKT Range/Performance P0478 Exhaust Pressure Control Valve CKT Range/Performance P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0482 Cooling Fan 3 Control Circuit P0483 Control Fan Rationality Check Malfunction	P0453	EVAP Emission Control System Pres Sensor High
P0456 EVAP Emission Control System Leak Very Small P0457 EVAP Emission Control System Leak Cap Loose/Off P0458 EVAP System Canister Purge Sol Circuit Low P0459 EVAP System Canister Purge Sol Circuit High P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor CKT Intermittent P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve Circuit Malfunction P0477 Exhaust Pressure Control Valve CKT Range/Performance P0478 Exhaust Pressure Control Valve CKT Range/Performance P0479 Exhaust Pressure Control Valve CKT Range/Performance P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0482 Cooling Fan 3 Control Circuit P0483 Control Fan Rationality Check Malfunction	P0454	EVAP Emission Control System Pres Sensor Erratic
P0457 EVAP Emission Control System Leak Cap Loose/Off P0458 EVAP System Canister Purge Sol Circuit Low P0459 EVAP System Canister Purge Sol Circuit High P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor Circuit High Input P0475 Exhaust Pressure Sensor CKT Intermittent P0476 Exhaust Pressure Control Valve Circuit Malfunction P0477 Exhaust Pressure Control Valve Circuit Malfunction P0478 Exhaust Pressure Control Valve CKT Range/Performance P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0483 Control Fan Rationality Check Malfunction	P0455	EVAP Emission Control System Leak (Large)
P0458 EVAP System Canister Purge Sol Circuit Low P0459 EVAP System Canister Purge Sol Circuit High P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve Circuit Malfunction P0477 Exhaust Pressure Control Valve CKT Range/Performance P0477 Exhaust Pressure Control Valve CKT Range/Performance P0478 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0483 Control Fan Rationality Check Malfunction	P0456	EVAP Emission Control System Leak Very Small
P0459 EVAP System Canister Purge Sol Circuit High P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve Circuit Low Input P0477 Exhaust Pressure Control Valve Circuit High Input P0478 Exhaust Pressure Control Valve CKT Range/Performance P0479 Exhaust Pressure Control Valve Circuit Low Input P0479 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0483 Control Fan Rationality Check Malfunction	P0457	EVAP Emission Control System Leak Cap Loose/Off
P0460 Fuel Level Sensor A Circuit Malfunction P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor CKT Intermittent P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve Circuit Low Input P0477 Exhaust Pressure Control Valve CKT Range/Performance P0478 Exhaust Pressure Control Valve CKT Range/Performance P0479 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0483 Control Fan Rationality Check Malfunction	P0458	EVAP System Canister Purge Sol Circuit Low
P0461 Fuel Level Sensor A CKT Range/Performance P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve Circuit Low Input P0477 Exhaust Pressure Control Valve Circuit Low Input P0478 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0483 Control Fan Rationality Check Malfunction	P0459	EVAP System Canister Purge Sol Circuit High
P0462 Fuel Level Sensor A Circuit Low Input P0463 Fuel Level Sensor A Circuit High Input P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve CKT Range/Performance P0477 Exhaust Pressure Control Valve CKT Range/Performance P0478 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0482 Cooling Fan 3 Control Circuit P0483 Control Fan Rationality Check Malfunction		Fuel Level Sensor A Circuit Malfunction
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P0464 Fuel Level Sensor A CKT Intermittent P0465 EVAP Emission Purge Flow Sensor Circuit Malfunction P0466 EVAP Emission Purge Flow Sensor CKT Range/Performance P0467 EVAP Emission Purge Flow Sensor Circuit Low Input P0468 EVAP Emission Purge Flow Sensor Circuit High Input P0469 EVAP Emission Purge Flow Sensor CKT Intermittent P0470 Exhaust Pressure Sensor Circuit Malfunction P0471 Exhaust Pressure Sensor CKT Range/Performance P0472 Exhaust Pressure Sensor Circuit Low Input P0473 Exhaust Pressure Sensor Circuit High Input P0474 Exhaust Pressure Sensor CKT Intermittent P0475 Exhaust Pressure Control Valve Circuit Malfunction P0476 Exhaust Pressure Control Valve CKT Range/Performance P0477 Exhaust Pressure Control Valve Circuit Low Input P0478 Exhaust Pressure Control Valve Circuit High Input P0479 Exhaust Pressure Control Valve CKT Intermittent P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0482 Cooling Fan 3 Control Circuit P0483 Control Fan Rationality Check Malfunction		Fuel Level Sensor A Circuit Low Input
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P0480 Cooling Fan 1 Control Circuit P0481 Cooling Fan 2 Control Circuit P0482 Cooling Fan 3 Control Circuit P0483 Control Fan Rationality Check Malfunction		<u> </u>
P0481 Cooling Fan 2 Control Circuit P0482 Cooling Fan 3 Control Circuit P0483 Control Fan Rationality Check Malfunction		
P0482 Cooling Fan 3 Control Circuit P0483 Control Fan Rationality Check Malfunction		•
P0483 Control Fan Rationality Check Malfunction		
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P0484 Control Fan CKT Over Current		·
	P0484	Control Fan CKT Over Current

P0485	Control Fan Power/Ground Circuit Malfunction
P0486	EGR System Sensor B Circuit
P0487	EGR TPS Control Circuit
P0488	EGR TPS Control CKT Range/Performance
P0489	EGR Control Circuit Low
P0490	EGR Control Circuit High
P0491	Secondary Air System (Bank 1)
P0492	Secondary Air System (Bank 2)
P0493	Fan Speed Overspeed
P0494	Fan Speed Low
P0495	Fan Speed High
P0496	EVAP Emission High Purge Flow Fault
P0497	EVAP Emission Low Purge Flow Fault
P0498	EVAP Emission Vent VIv/Sol Malf Circuit Low
P0499	EVAP Emission Vent VIv/Sol Malf Circuit High
P0500	Vehicle Speed Sensor A Malfunction
P0501	Vehicle Speed Sensor A Range/Performance
P0502	Vehicle Speed Sensor A Circuit Low Input
P0503	Vehicle Speed Sensor A Erratic/High
P0504	Brake Switch A Brake Switch B Correlation
P0505	Idle Control System Malfunction
P0506	Idle Control System RPM Low
P0507	Idle Control System RPM High
P0508	Idle Control System Circuit Low
P0509	Idle Control System Circuit High
P0510	Closed Throttle Position Switch
P0511	Idle Air Control Circuit
P0512	Starter Signal Circuit
P0513	Immobilizer Incorrect
P0514	Battery Temperature Sensor CKT Range/Performance
P0515	Battery Temperature Sensor Circuit
P0516	Battery Temperature Circuit Low
P0517	Battery Temperature Circuit High
P0518	Idle Air Control CKT Intermittent
P0519	Idle Air Control System Performance
P0520	Engine Oil Pressure Sensor/Switch Circuit Malfunction
P0521	Engine Oil Pressure Sensor/Switch Range/Performance
P0522	Engine Oil Pressure Sensor/Switch Low Voltage

P0523	Engine Oil Pressure Sensor/Switch High Voltage
P0524	Engine Oil Pressure Too Low
P0525	Cruise Servo CKT Range/Performance
P0526	Fan Speed Sensor Circuit
P0527	Fan Speed Sensor CKT Range/Performance
P0528	Fan Speed Sensor Circuit No Signal
P0529	Fan Speed Sensor CKT Intermittent
P0530	A/C Refrigerant Pressure Sensor A Circuit Malfunction
P0531	A/C Refrigerant Pressure Sensor A CKT Range/Performance
P0532	A/C Refrigerant Pressure Sensor A Circuit Low Input
P0533	A/C Refrigerant Pressure Sensor A Circuit High Input
P0534	A/C Refrigerant Charge Loss
P0535	A/C Evaporator Temperature Sensor Circuit
P0536	A/C Evaporator Temperature Sensor CKT Range/Performance
P0537	A/C Evaporator Temperature Sensor Circuit Low
P0538	A/C Evaporator Temperature Sensor Circuit High
P0539	A/C Evaporator Temperature Sensor CKT Intermittent
P0540	Intake Air Heater A Circuit
P0541	Intake Air Heater A Circuit Low
P0542	Intake Air Heater A Circuit High
P0543	Intake Air Heater A Circuit Open
P0544	Exhaust Gas Temp. Sensor Circuit (Bank 1 Sensor 1)
P0545	Exhaust Gas Temp. Sensor Circuit Low (Bank 1 Sensor 1)
P0546	Exhaust Gas Temp. Sensor Circuit High (Bank 1 Sensor 1)
P0547	Exhaust Gas Temp. Sensor Circuit (Bank 2 Sensor 1)
P0548	Exhaust Gas Temp. Sensor Circuit Low (Bank 2 Sensor 1)
P0549	Exhaust Gas Temp. Sensor Circuit High (Bank 2 Sensor 1)
P0550	Power Steering Pres Sensor Circuit Malfunction
P0551	Power Steering Pres Sensor CKT Range/Performance
P0552	Power Steering Pres Sensor Circuit Low Input
P0553	Power Steering Pres Sensor Circuit High Input
P0554	Power Steering Pres Sensor CKT Intermittent
P0555	Brake Booster Pressure Sensor Circuit
P0556	Brake Booster Pressure Sensor CKT Range/Performance
P0557	Brake Booster Pressure Sensor Circuit Low Input
P0558	Brake Booster Pressure Sensor Circuit High Input
P0559	Brake Booster Pressure Sensor CKT Intermittent
P0560	System Voltage Malfunction

P0561 System Voltage Low P0562 System Voltage Low P0563 System Voltage High P0564 Cruise Control Multi-Function. Input A Signal Error P0565 Cruise Control On Signal Malfunction P0566 Cruise Control Resume Signal Malfunction P0567 Cruise Control Resume Signal Malfunction P0568 Cruise Control Set Signal Malfunction P0569 Cruise Control Set Signal Malfunction P0560 Cruise Control Coast Signal Malfunction P0560 Cruise Control Coast Signal Malfunction P0570 Cruise Control Coast Signal Malfunction P0571 Brake Switch A Circuit Malfunction P0572 Brake Switch A Circuit Low Input P0573 Brake Switch A Circuit High Input P0574 Cruise Control Vehicle Speed Too High P0575 Cruise Control Circuit Malfunction P0576 Cruise Control Circuit High Input P0577 Cruise Control Circuit High Input P0578 Cruise Control Multi-Function Input A Circuit Stuck P0579 Cruise Control Multi-Function Input A Circuit Stuck P0579 Cruise Control Multi-Function Input A Circuit Low P0580 Cruise Control Multi-Function Input A Circuit High P0581 Cruise Control Multi-Function Input A Circuit High P0582 Cruise Control Vacuum Control Circuit Dopen P0583 Cruise Control Vacuum Control Circuit High P0585 Cruise Control Vacuum Control Circuit High P0586 Cruise Control Vacuum Control Circuit High P0587 Cruise Control Wulti-Function Input A Circuit High P0588 Cruise Control Vent Control Circuit High P0589 Cruise Control Vent Control Circuit High P0589 Cruise Control Welt Control Circuit High P0589 Cruise Control Wilti-Function Input B Circuit Stuck P0591 Cruise Control Multi-Function Input B Circuit Stuck P0592 Cruise Control Multi-Function Input B Circuit High P0589 Cruise Control Multi-Function Input B Circuit High P0599 Cruise Control Servo Control Circuit Low P0590 Cruise Control Servo Control Circuit High P0591 Cruise Control Servo Control Circuit High P0592 Cruise Control Servo Control Circ		
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'	P0596	Cruise Control Servo Control Circuit High
P0598 Cruise Control Circuit Low	P0597	Cruise Control Circuit Open
	P0598	Cruise Control Circuit Low

P0599	Cruico Control Circuit High
	Cruise Control Circuit High
P0600	Serial Communication Link Malfunction
P0601	Internal Control Module Memory Check Sum Error
P0602	Control Module Programming Error
P0603	PCM Keep Alive Memory (KAM) Error
P0604	PCM Random Access Memory (RAM) Error
P0605	PCM Read Only Memory (ROM) Error
P0606	PCM Processor Fault
P0607	Control Module Performance
P0608	Control Module VSS Output A Malfunction
P0609	Control Module VSS Output B Malfunction
P0610	Control Module Vehicle Options Malfunction
P0611	Injector Control Module Performance
P0612	Injector Control Module Relay Control
P0613	TCM Processor Fault
P0614	ECM/TCM Incompatible
P0615	Starter Relay Circuit
P0616	Starter Relay Circuit Low
P0617	Starter Relay Circuit High
P0618	Alternative Fuel Module (KAM) Error
P0619	Alternative Fuel Module Memory
P0620	Generator Control Malfunction
P0621	Generator L-Term. Lamp Control
P0622	Generator F-Term. Field F Control
P0623	Generator Lamp Control Circuit
P0624	Fuel Cap Lamp Circuit
P0625	Generator F-Term. Circuit Low
P0626	Generator F-Term. Circuit High
P0627	Fuel Pump A Control Circuit Open
P0628	Fuel Pump A Control Circuit Low
P0629	Fuel Pump A Control Circuit High
P0630	PCM VIN Not Program. Or Mismatch
P0631	TCM VIN Not Program. Or Mismatch
P0632	Odometer Code Not Programmed ECM/PCM
P0633	Immobilizer Code Not Programmed ECM/PCM
P0634	PCM/ECM/TCM Internal Temp. Too High
P0635	Power Steering Control Circuit
P0636	Power Steering Control Circuit Low

P0637	Power Steering Control Circuit High
P0638	Throttle Actuator Range/Performance (Bank 1)
P0639	Throttle Actuator Range/Performance (Bank 2)
P0640	Intake Air Heater Control Circuit
P0641	Sensor A Reference Voltage Circuit Open
P0642	Sensor A Reference Voltage Circuit Low
P0643	Sensor A Reference Voltage Circuit High
P0644	Driver Display Serial Communication Link
P0645	A/C Clutch Relay Control Circuit
P0646	A/C Clutch Relay Control Circuit Low
P0647	A/C Clutch Relay Control Circuit High
P0648	Immobilizer Lamp Circuit
P0649	Cruise Control Lamp Circuit
P0650	MIL Control Circuit Malfunction
P0651	Sensor B Reference Voltage Circuit Open
P0652	Sensor B Reference Voltage Circuit Low
P0653	Sensor B Reference Voltage Circuit High
P0654	Engine RPM Circuit Malfunction
P0655	Engine Hot Lamp Output Circuit Malfunction
P0656	Fuel Level Output Circuit Malfunction
P0657	Actuator Supply Voltage A Circuit Open
P0658	Actuator Supply Voltage A Circuit Low
P0659	Actuator Supply Voltage A Circuit High
P0660	Intake Man Tuning Control CKT Open (Bank 1)
P0661	Intake Man Tuning Control CKT Low (Bank 1)
P0662	Intake Man Tuning Control CKT High (Bank 1)
P0663	Intake Man Tuning Control CKT Open (Bank 2)
P0664	Intake Man Tuning Control CKT Low (Bank 2)
P0665	Intake Man Tuning Control CKT High (Bank 2)
P0666	PCM/ECM/TCM Internal Temp. Sensor Circuit
P0667	PCM/ECM/TCM Internal Temp. Sensor Range/Performance
P0668	PCM/ECM/TCM Internal Temp. Sensor Circuit Low
P0669	PCM/ECM/TCM Internal Temp. Sensor Circuit High
P0670	Glow Plug/Heater Module Control
P0671	Glow Plug/Heater Cylinder 1
P0672	Glow Plug/Heater Cylinder 2
P0673	Glow Plug/Heater Cylinder 3
P0674	Glow Plug/Heater Cylinder 4

P0675 Glow Plug/Heater Cylinder 6 P0676 Glow Plug/Heater Cylinder 6 P0677 Glow Plug/Heater Cylinder 7 P0678 Glow Plug/Heater Cylinder 8 P0679 Glow Plug/Heater Cylinder 9 P0680 Glow Plug/Heater Cylinder 10 P0681 Glow Plug/Heater Cylinder 11 P0682 Glow Plug/Heater Cylinder 12 P0683 Glow Plug/Heater Module Communication Problem P0684 Glow Plug/Heater Communication Problem CKT Range/Performance P0685 ECM/PCM Power Relay Control Circuit Uppen P0686 ECM/PCM Power Relay Control Circuit High P0687 ECM/PCM Power Relay Sense Circuit Open P0688 ECM/PCM Power Relay Sense Circuit Uppen P0689 ECM/PCM Power Relay Sense Circuit High P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 2 Control Circuit Low P0693 Fan 2 Control Circuit Low P0694 Fan 3 Control Circuit Low P0695 Fan 3 Control Circuit Low P0696 Fan 3 Control Sys Malfunction		
P0677 Glow Plug/Heater Cylinder 7 P0678 Glow Plug/Heater Cylinder 8 P0679 Glow Plug/Heater Cylinder 9 P0680 Glow Plug/Heater Cylinder 10 P0681 Glow Plug/Heater Cylinder 11 P0682 Glow Plug/Heater Cylinder 12 P0683 Glow Plug/Heater Cylinder 12 P0684 Glow Plug/Heater Communication Problem P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Control Circuit Low P0688 ECM/PCM Power Relay Sense Circuit Upen P0689 ECM/PCM Power Relay Sense Circuit High P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit Low P0693 Fan 2 Control Circuit High P0694 Fan 2 Control Circuit High P0695 Fan 3 Control Circuit Low P0696 Fan 3 Control Circuit Low P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit Low P0699 Sensor C Reference Voltage Circuit High P0690 Trans Control Sys Malfunction P0700 Trans Control Sys Range/Performance P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Range/Performance P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor Circuit Malfunction (PRNDL Input) P0706 Trans Range Sensor Circuit High Input P0707 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor Circuit Malfunction P0701 Trans Range Sensor Circuit Malfunction P0705 Trans Range Sensor Circuit High Input P0706 Trans Range Sensor Circuit High Input P0707 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor Circuit High Input P0701 Trans Range Sensor Circuit High Input P0701 Trans Range Sensor Circuit High Input P0701 Trans Fluid Temperature Sensor Circuit Malfunction P0711 Trans Fluid Temp Sensor A CKT Range/Performance	P0675	Glow Plug/Heater Cylinder 5
P0678 Glow Plug/Heater Cylinder 8 P0679 Glow Plug/Heater Cylinder 9 P0680 Glow Plug/Heater Cylinder 10 P0681 Glow Plug/Heater Cylinder 11 P0682 Glow Plug/Heater Cylinder 12 P0683 Glow Plug/Heater Module Communication Problem P0684 Glow Plug/Heater Module Communication Problem P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Control Circuit High P0688 ECM/PCM Power Relay Sense Circuit Open P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit Low P0693 Fan 2 Control Circuit High P0694 Fan 2 Control Circuit Low P0695 Fan 3 Control Circuit Low P0696 Fan 3 Control Circuit Low P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit High P0699 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction (PRNDL Input) P0705 Trans Range Sensor Circuit High Input P0706 Trans Range Sensor Circuit High Input P0707 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit Malfunction P0709 Trans Range Sensor Circuit Malfunction P0701 Trans Range Sensor Circuit Malfunction P0705 Trans Range Sensor Circuit Malfunction P0706 Trans Range Sensor Circuit High Input P0707 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor Circuit High Input P0701 Trans Fluid Temperature Sensor Circuit Malfunction	P0676	Glow Plug/Heater Cylinder 6
P0679 Glow Plug/Heater Cylinder 9 P0680 Glow Plug/Heater Cylinder 10 P0681 Glow Plug/Heater Cylinder 11 P0682 Glow Plug/Heater Cylinder 12 P0683 Glow Plug/Heater Communication Problem P0684 Glow Plug/Heater Communication Problem CKT Range/Performance P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Control Circuit High P0688 ECM/PCM Power Relay Sense Circuit Open P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit Low P0693 Fan 2 Control Circuit High P0694 Fan 2 Control Circuit High P0695 Fan 3 Control Circuit High P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit Low P0699 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor CKT Range/Performance P0707 Trans Range Sensor CKT Intermittent P0708 Trans Range Sensor CKT Intermittent P0709 Trans Range Sensor CKT Intermittent P0701 Trans Range Sensor CKT Intermittent P0701 Trans Range Sensor CKT Intermittent P0701 Trans Range Sensor CKT Range/Performance	P0677	Glow Plug/Heater Cylinder 7
P0680 Glow Plug/Heater Cylinder 10 P0681 Glow Plug/Heater Cylinder 11 P0682 Glow Plug/Heater Cylinder 12 P0683 Glow Plug/Heater Module Communication Problem P0684 Glow Plug/Heater Communication Problem CKT Range/Performance P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Control Circuit High P0688 ECM/PCM Power Relay Sense Circuit Open P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit Low P0693 Fan 2 Control Circuit High P0694 Fan 2 Control Circuit Low P0695 Fan 3 Control Circuit Low P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction (PRNDL Input) P0705 Trans Range Sensor CKT Intermittent P0707 Trans Range Sensor CKT Intermittent P0708 Trans Range Sensor CKT Intermittent P0709 Trans Range Sensor CKT Intermittent P0701 Trans Fluid Temp Sensor A CKT Range/Performance	P0678	Glow Plug/Heater Cylinder 8
P0681 Glow Plug/Heater Cylinder 11 P0682 Glow Plug/Heater Cylinder 12 P0683 Glow Plug/Heater Module Communication Problem P0684 Glow Plug/Heater Communication Problem CKT Range/Performance P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Control Circuit High P0688 ECM/PCM Power Relay Sense Circuit Open P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit Low P0693 Fan 2 Control Circuit Low P0694 Fan 2 Control Circuit Low P0695 Fan 3 Control Circuit High P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor CKT Range/Performance P0707 Trans Range Sensor CKT Range/Performance P0707 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor CKT Intermittent P0701 Trans Range Sensor CKT Intermittent P0701 Trans Fluid Temp Sensor A CKT Range/Performance	P0679	Glow Plug/Heater Cylinder 9
P0682 Glow Plug/Heater Cylinder 12 P0683 Glow Plug/Heater Module Communication Problem P0684 Glow Plug/Heater Communication Problem CKT Range/Performance P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Control Circuit High P0688 ECM/PCM Power Relay Sense Circuit Open P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit Low P0693 Fan 2 Control Circuit High P0694 Fan 2 Control Circuit High P0695 Fan 3 Control Circuit High P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor CKT Range/Performance P0707 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor CKT Intermittent P0709 Trans Range Sensor CKT Range/Performance	P0680	Glow Plug/Heater Cylinder 10
P0683 Glow Plug/Heater Module Communication Problem P0684 Glow Plug/Heater Communication Problem CKT Range/Performance P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Sense Circuit High P0688 ECM/PCM Power Relay Sense Circuit Upen P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit High P0693 Fan 2 Control Circuit High P0694 Fan 2 Control Circuit High P0695 Fan 3 Control Circuit High P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor CKT Range/Performance P0707 Trans Range Sensor CKT Range/Performance P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor CKT Intermittent P0709 Trans Range Sensor CKT Range/Performance P0701 Trans Range Sensor CKT Intermittent P0701 Trans Range Sensor CKT Range/Performance	P0681	Glow Plug/Heater Cylinder 11
P0684 Glow Plug/Heater Communication Problem CKT Range/Performance P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Sense Circuit High P0688 ECM/PCM Power Relay Sense Circuit Low P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit Low P0693 Fan 2 Control Circuit Low P0694 Fan 3 Control Circuit High P0695 Fan 3 Control Circuit High P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Low P0698 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction (PRNDL Input) P0705 Trans Range Sensor CKT Range/Performance P0707 Tr	P0682	•
P0685 ECM/PCM Power Relay Control Circuit Open P0686 ECM/PCM Power Relay Control Circuit Low P0687 ECM/PCM Power Relay Control Circuit High P0688 ECM/PCM Power Relay Sense Circuit Open P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit High P0693 Fan 2 Control Circuit High P0694 Fan 2 Control Circuit High P0695 Fan 3 Control Circuit High P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit Low P0699 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor Circuit Malfunction (PRNDL Input) P0706 Trans Range Sensor Circuit Low Input P0707 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor CKT Intermittent P0709 Trans Range Sensor CKT Intermittent P0701 Trans Fluid Temp Sensor A CKT Range/Performance	P0683	Glow Plug/Heater Module Communication Problem
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P0687 ECM/PCM Power Relay Control Circuit High P0688 ECM/PCM Power Relay Sense Circuit Open P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit High P0693 Fan 2 Control Circuit Low P0694 Fan 2 Control Circuit High P0695 Fan 3 Control Circuit High P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor CKT Range/Performance P0707 Trans Range Sensor CKT Range/Performance P0708 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor Circuit High Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor CKT Intermittent P0710 Trans Range Sensor CKT Intermittent P0711 Trans Fluid Temp Sensor A CKT Range/Performance	P0685	ECM/PCM Power Relay Control Circuit Open
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P0689 ECM/PCM Power Relay Sense Circuit Low P0690 ECM/PCM Power Relay Sense Circuit High P0691 Fan 1 Control Circuit Low P0692 Fan 1 Control Circuit High P0693 Fan 2 Control Circuit Low P0694 Fan 2 Control Circuit Low P0695 Fan 3 Control Circuit Low P0696 Fan 3 Control Circuit High P0697 Sensor C Reference Voltage Circuit Open P0698 Sensor C Reference Voltage Circuit High P0700 Trans Control Sys Malfunction P0701 Trans Control Sys Range/Performance P0702 Trans Control Sys Electrical P0703 Brake Switch B Circuit Malfunction P0704 Clutch Switch Input Circuit Malfunction P0705 Trans Range Sensor CKT Range/Performance P0707 Trans Range Sensor Circuit Low Input P0708 Trans Range Sensor Circuit High Input P0709 Trans Range Sensor CKT Intermittent P0710 Trans Range Sensor CKT Intermittent P0710 Trans Range Sensor Circuit Malfunction P0711 Trans Range Sensor CKT Range/Performance		<u> </u>
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P0709 Trans Range Sensor CKT Intermittent P0710 Transmission Fluid Temperature Sensor Circuit Malfunction P0711 Trans Fluid Temp Sensor A CKT Range/Performance	P0707	Trans Range Sensor Circuit Low Input
P0710 Transmission Fluid Temperature Sensor Circuit Malfunction P0711 Trans Fluid Temp Sensor A CKT Range/Performance	P0708	
P0711 Trans Fluid Temp Sensor A CKT Range/Performance	P0709	Trans Range Sensor CKT Intermittent
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P0712 Trans Fluid Temp Sensor A Circuit Low Input		, , , , , , , , , , , , , , , , , , , ,
	P0712	Trans Fluid Temp Sensor A Circuit Low Input

P0713	Trans Fluid Temp Sensor A Circuit High Input
P0714	Trans Fluid Temp Sensor A CKT Intermittent
P0715	Input/Turbine Speed Sensor A Circuit Malfunction
P0716	Input/Turbine Speed Sensor A CKT Range/Performance
P0717	Input/Turbine Speed Sensor A Circuit No Signal
P0718	Input/Turbine Speed Sensor A CKT Intermittent
P0719	Brake Switch B Circuit Low Input
P0720	Output Speed Sensor Circuit Malfunction
P0721	Output Speed Sensor Circuit Range/Performance
P0722	Output Speed Sensor Circuit No Signal
P0723	Output Speed Sensor CKT Intermittent
P0724	Brake Switch B Circuit High Input
P0725	Engine Speed Sensor Circuit Malfunction
P0726	Engine Speed Sensor CKT Range/Performance
P0727	Engine Speed Sensor Circuit No Signal
P0728	Engine Speed Sensor CKT Intermittent
P0729	Gear 6 Ratio Incorrect
P0730	Gear Ratio Incorrect
P0731	Gear 1 Ratio Incorrect
P0732	Gear 2 Ratio Incorrect
P0733	Gear 3 Ratio Incorrect
P0734	Gear 4 Ratio Incorrect
P0735	Gear 5 Ratio Incorrect
P0736	Reverse Ratio Incorrect
P0737	TCM Engine Speed Output Circuit
P0738	TCM Engine Speed Output Circuit Low
P0739	TCM Engine Speed Output Circuit High
P0740	TCC Circuit Malfunction
P0741	Torque Converter CKT Performance Or Stuck Off
P0742	Torque Converter Circuit Stuck On
P0743	Torque Converter Circuit Electrical
P0744	Torque Converter CKT Intermittent
P0745	Pres Control Sol. A Circuit Malfunction
P0746	Pres Control Sol. A CKT Performance Or Stuck Off
P0747	Pres Control Sol. A Circuit Stuck On
P0748	Pres Control Sol. A Circuit Electrical
P0749	Pres Control Sol. A CKT Intermittent
P0750	Shift Solenoid A Malfunction

P0751 Shift Solenoid A CKT Performance Or Stuck Off P0752 Shift Solenoid A Circuit Stuck On P0753 Shift Solenoid A Circuit Electrical P0754 Shift Solenoid A CKT Intermittent P0755 Shift Solenoid B Malfunction P0756 Shift Solenoid B CKT Performance Or Stuck Off P0757 Shift Solenoid B Circuit Stuck On P0758 Shift Solenoid B Circuit Electrical P0759 Shift Solenoid B CKT Intermittent P0760 Shift Solenoid C Malfunction P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On P0763 Shift Solenoid C Circuit Electrical
P0753 Shift Solenoid A Circuit Electrical P0754 Shift Solenoid A CKT Intermittent P0755 Shift Solenoid B Malfunction P0756 Shift Solenoid B CKT Performance Or Stuck Off P0757 Shift Solenoid B Circuit Stuck On P0758 Shift Solenoid B Circuit Electrical P0759 Shift Solenoid B CKT Intermittent P0760 Shift Solenoid C Malfunction P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On
P0754 Shift Solenoid A CKT Intermittent P0755 Shift Solenoid B Malfunction P0756 Shift Solenoid B CKT Performance Or Stuck Off P0757 Shift Solenoid B Circuit Stuck On P0758 Shift Solenoid B Circuit Electrical P0759 Shift Solenoid B CKT Intermittent P0760 Shift Solenoid C Malfunction P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On
P0755 Shift Solenoid B Malfunction P0756 Shift Solenoid B CKT Performance Or Stuck Off P0757 Shift Solenoid B Circuit Stuck On P0758 Shift Solenoid B Circuit Electrical P0759 Shift Solenoid B CKT Intermittent P0760 Shift Solenoid C Malfunction P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On
P0756 Shift Solenoid B CKT Performance Or Stuck Off P0757 Shift Solenoid B Circuit Stuck On P0758 Shift Solenoid B Circuit Electrical P0759 Shift Solenoid B CKT Intermittent P0760 Shift Solenoid C Malfunction P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On
P0757 Shift Solenoid B Circuit Stuck On P0758 Shift Solenoid B Circuit Electrical P0759 Shift Solenoid B CKT Intermittent P0760 Shift Solenoid C Malfunction P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On
P0758 Shift Solenoid B Circuit Electrical P0759 Shift Solenoid B CKT Intermittent P0760 Shift Solenoid C Malfunction P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On
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P0761 Shift Solenoid C CKT Performance Or Stuck Off P0762 Shift Solenoid C Circuit Stuck On
P0762 Shift Solenoid C Circuit Stuck On
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P0764 Shift Solenoid C CKT Intermittent
P0765 Shift Solenoid D Malfunction
P0766 Shift Solenoid D CKT Performance Or Stuck Off
P0767 Shift Solenoid D Circuit Stuck On
P0768 Shift Solenoid D Circuit Electrical
P0769 Shift Solenoid D CKT Intermittent
P0770 Shift Solenoid E Malfunction
P0771 Shift Solenoid E CKT Performance Or Stuck Off
P0772 Shift Solenoid E Circuit Stuck On
P0773 Shift Solenoid E Circuit Electrical
P0774 Shift Solenoid E CKT Intermittent
P0775 Pres Ctrl Sol. B Circuit Malfunction
P0776 Pres Ctrl Sol. B CKT Performance Or Stuck Off
P0777 Pres Ctrl Sol. B Circuit Stuck On
P0778 Pres Ctrl Sol. B Circuit Electrical
P0779 Pres Ctrl Sol. B CKT Intermittent
P0780 Shift Malfunction
P0781 1-2 Shift Malfunction
P0782 2-3 Shift Malfunction
P0783 3-4 Shift Malfunction
P0784 4-5 Shift Malfunction
P0785 Shift/Timing Solenoid Malfunction
P0786 Shift/Timing Solenoid Range/Performance
P0787 Shift/Timing Solenoid Low
P0788 Shift/Timing Solenoid High

P0789	Shift/Timing Solenoid Intermittent Ckt
P0790	Normal/Performance Switch Circuit Malfunction
P0791	Intermediate Shaft Speed Sensor A Circuit
P0792	Intermediate Shaft Speed Sensor A Circuit Range/Performance
P0793	Intermediate Shaft Speed Sensor A Circuit No Signal
P0794	Intermediate Shaft Speed Sensor A CKT Intermittent
P0795	Pres Ctrl Sol. C Malfunction
P0796	Pres Ctrl Sol. C CKT Performance Or Stuck Off
P0797	Pres Ctrl Sol. C Circuit Stuck On
P0798	Pres Ctrl Sol. C Circuit Electrical
P0799	Pres Ctrl Sol. C CKT Intermittent
P0800	Transfer Case Control System MIL Request
P0801	Reverse Inhibit Control Circuit Malfunction
P0802	Trans Control Sys MIL Request Circuit Open
P0803	1-4 Upshift (Skip Shift) Solenoid Circuit Malfunction
P0804	1-4 Upshift (Skip Shift) Lamp Circuit Malfunction
P0805	Clutch Position Sensor Circuit Malfunction
P0806	Clutch Position Sensor Circuit Range/Performance
P0807	Clutch Position Sensor Circuit Low
P0808	Clutch Position Sensor Circuit High
P0809	Clutch Position Sensor Circuit Intermittent Ckt
P0810	Clutch Position Control Malfunction
P0811	Clutch Slippage Excessive
P0812	Reverse Input Circuit Malfunction
P0813	Reverse Output Circuit Malfunction
P0814	Trans Range Display Circuit Malfunction
P0815	Upshift Switch Circuit Malfunction
P0816	Downshift Switch Circuit Malfunction
P0817	Starter Disable Circuit
P0818	Driveline Disconnect Switch Input
P0819	Up/Down Shift SW Transmission Range Correlation
P0820	Gear Lever X-Y Sensor Circuit
P0821	Gear Lever X Sensor Circuit
P0822	Gear Lever Y Sensor Circuit
P0823	Gear Lever X Sensor Circuit Intermittent Ckt
P0824	Gear Lever Y Sensor Circuit Intermittent Ckt
P0825	Gear Lever Push/Pull Switch (Shift Anticipate)
P0826	Upshift Switch Downshift Switch Circuit

P0827	Upshift Switch Downshift Switch Circuit Low
P0828	Upshift Switch Downshift Switch Circuit High
P0829	5-6 Shift
P0830	Clutch Position Switch A Circuit Malfunction
P0831	Clutch Position Switch A Circuit Low
P0832	Clutch Position Switch A Circuit High
P0833	Clutch Position Switch B Circuit Malfunction
P0834	Clutch Position Switch B Circuit Low
P0835	Clutch Position Switch B Circuit High
P0836	4 Wheel Drive Switch Circuit Malfunction
P0837	4 Wheel Drive Switch CKT Range/Performance
P0838	4 Wheel Drive Switch Circuit Low
P0839	4 Wheel Drive Switch Circuit High
P0840	Trans Fluid Press Sensor/Switch A Circuit Malfunction
P0841	Trans Fluid Press Sensor/Switch A CKT Range/Performance
P0842	Trans Fluid Press Sensor/Switch A Circuit Low
P0843	Trans Fluid Press Sensor/Switch A Circuit High
P0844	Trans Fluid Press Sensor/Switch A CKT Intermittent
P0845	Trans Fluid Press Sensor/Switch B Circuit Malfunction
P0846	Trans Fluid Press Sensor/Switch B CKT Range/Performance
P0847	Trans Fluid Press Sensor/Switch B Circuit Low
P0848	Trans Fluid Press Sensor/Switch B Circuit High
P0849	Trans Fluid Press Sensor/Switch B CKT Intermittent
P0850	Park/Neutral Switch Input Circuit
P0851	Park/Neutral Switch Circuit Low Input
P0852	Park/Neutral Switch Circuit High Input
P0853	Drive Switch Input Circuit
P0854	Drive Switch Circuit Low Input
P0855	Drive Switch Circuit High Input
P0856	Traction Control Input Signal
P0857	Traction Control Input Signal Range/Performance
P0858	Traction Control Input Signal Low
P0859	Traction Control Input Signal High
P0860	Gear Shift Module Communications Circuit
P0861	Gear Shift Module Communications Circuit Low
P0862	Gear Shift Module Communications Circuit High
P0863	TCM Communications Circuit
P0864	TCM Communications CKT Range/Performance

P0865 TCM Communications Circuit Low P0866 TCM Communications Circuit High P0867 Trans Fluid Press P0868 Trans Fluid Press Low P0869 Trans Fluid Press Sensor/Switch C Circuit P0870 Trans Fluid Press Sensor/Switch C Circuit P0871 Trans Fluid Press Sensor/Switch C Circuit Low P0872 Trans Fluid Press Sensor/Switch C Circuit High P0873 Trans Fluid Press Sensor/Switch C Circuit High P0874 Trans Fluid Press Sensor/Switch D Circuit P0875 Trans Fluid Press Sensor/Switch D Circuit P0876 Trans Fluid Press Sensor/Switch D Circuit P0877 Trans Fluid Press Sensor/Switch D Circuit Low P0878 Trans Fluid Press Sensor/Switch D Circuit High P0879 Trans Fluid Press Sensor/Switch D CKT Intermittent P0880 TCM Power Input Signal P0881 TCM Power Input Signal Range/Performance P0882 TCM Power Input Signal Low P0883 TCM Power Input Signal Low P0884 TCM Power Input Signal Low P0885 TCM Power Relay Control Circuit Low P0886 TCM Power Relay Control Circuit Low P0887 TCM Power Relay Control Circuit Low P0888 TCM Power Relay Control Circuit Low P0889 TCM Power Relay Sense CKT Range/Performance P0890 TCM Power Relay Sense Circuit P0891 TCM Power Relay Sense CKT Range/Performance P0892 TCM Power Relay Sense CKT Intermittent P0893 TCM Power Relay Sense CKT Intermittent P0894 Transmission Comp. Slipping P0895 Shift Time Too Short P0896 Shift Time Too Short P0897 Transmission Ctrl. MIL Request Circuit Low P0898 Transmission Ctrl. MIL Request Circuit High P0899 Transmission Ctrl. MIL Request Circuit High P0899 Transmission Ctrl. MIL Request Circuit High P0890 Clutch Actuator Circuit Open P0900 Clutch Actuator CKT Range/Performance	P0865	TCM Communications Circuit Low
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P0930 Gear Shift Lock Solenoid Ctrl Circuit Low
P0931 Gear Shift Lock Solenoid Ctrl Circuit High
P0932 Hydraulic Pressure Sensor Circuit
P0933 Hydraulic Pressure Sensor CKT Range/Performance
P0934 Hydraulic Pressure Sensor Circuit Low
P0935 Hydraulic Pressure Sensor Circuit High
P0936 Hydraulic Pressure Sensor CKT Intermittent
P0937 Hydraulic Oil Temp Sensor Circuit
P0938 Hydraulic Oil Temp Sensor CKT Range/Performance
P0939 Hydraulic Oil Temp Sensor Circuit Low
P0940 Hydraulic Oil Temp Sensor Circuit High

P0941	Hydraulic Oil Temp Sensor CKT Intermittent
P0942	Hyd. Pressure Unit
P0943	Hyd. Pressure Unit Cycling Too Short
P0944	Hyd. Pressure Unit Loss of Pressure
P0945	Hyd. Pump Relay Circuit Open
P0946	Hyd. Pump Relay CKT Range/Performance
P0947	Hyd. Pump Relay Circuit Low
P0948	Hyd. Pump Relay Circuit High
P0949	Auto Shift Adaptive Learning Not Complete
P0950	Auto Shift Manual Control Circuit
P0951	Auto Shift Manual Control CKT Range/Performance
P0952	Auto Shift Manual Control Circuit Low
P0953	Auto Shift Manual Control Circuit High
P0954	Auto Shift Manual Control CKT Intermittent
P0955	Auto Shift Manual Mode Circuit
P0956	Auto Shift Manual Mode CKT Range/Performance
P0957	Auto Shift Manual Mode Circuit Low
P0958	Auto Shift Manual Mode Circuit High
P0959	Auto Shift Manual Mode CKT Intermittent
P0960	Pressure Control Solenoid A Control Circuit Open
P0961	Pressure Control Solenoid A Control CKT Range/Performance
P0962	Pressure Control Solenoid A Control Circuit Low
P0963	Pressure Control Solenoid A Control Circuit High
P0964	Pressure Control Solenoid B Control Circuit Open
P0965	Pressure Control Solenoid B Control CKT Range/Performance
P0966	Pressure Control Solenoid B Control Circuit Low
P0967	Pressure Control Solenoid B Control Circuit High
P0968	Pressure Control Solenoid C Control Circuit Open
P0969	Pressure Control Solenoid C Control CKT Range/Performance
P0970	Pressure Control Solenoid C Control Circuit Low
P0971	Pressure Control Solenoid C Control Circuit High
P0972	Shift Solenoid A Control CKT Range/Performance
P0973	Shift Solenoid A Control Circuit Low
P0974	Shift Solenoid A Control Circuit High
P0975	Shift Solenoid B Control CKT Range/Performance
P0976	Shift Solenoid B Control Circuit Low
P0977	Shift Solenoid B Control Circuit High
P0978	Shift Solenoid C Control CKT Range/Performance

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P0979	Shift Solenoid C Control Circuit Low
P0980	Shift Solenoid C Control Circuit High
P0981	Shift Solenoid D Control CKT Range/Performance
P0982	Shift Solenoid D Control Circuit Low
P0983	Shift Solenoid D Control Circuit High
P0984	Shift Solenoid E Control CKT Range/Performance
P0985	Shift Solenoid E Control Circuit Low
P0986	Shift Solenoid E Control Circuit High
P0987	Trans Fluid Press Sensor/Switch E Circuit
P0988	Trans Fluid Press Sensor/Switch E CKT Range/Performance
P0989	Trans Fluid Press Sensor/Switch E Circuit Low
P0990	Trans Fluid Press Sensor/Switch E Circuit High
P0991	Trans Fluid Press Sensor/Switch E CKT Intermittent
P0992	Trans Fluid Press Sensor/Switch F Circuit
P0993	Trans Fluid Press Sensor/Switch F CKT Range/Performance
P0994	Trans Fluid Press Sensor/Switch F Circuit Low
P0995	Trans Fluid Press Sensor/Switch F Circuit High
P0996	Trans Fluid Press Sensor/Switch F CKT Intermittent
P0997	Shift Solenoid F Control CKT Range/Performance
P0998	Shift Solenoid F Control Circuit Low
P0999	Shift Solenoid F Control Circuit High

NOTES:

1 YEAR WARRANTY

PERFORMANCE TOOL® extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights. Except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part (s) being returned. For part (s) after 90 days, please remit your request, postage prepaid to:

PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

PERFORMANCE TOOL® does not authorize any other person to make any warranty or to assume any liability in connection with its products.

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