

SURFACE VEHICLE RECOMMENDED PRACTICE

SAE J2012

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Superseding J2012 APR2002

(R) Diagnostic Trouble Code Definitions

RATIONALE

The prior version of SAE J2012 was technically equivalent to a draft version of ISO 15031-6: April 30, 2002. The ISO document was subsequently edited and published as an International Standard ISO 15031-6:2005, including minor editorial changes. This version of SAE J2012 includes all of the editorial changes that were included in the published version of the ISO document. This version is updated to include; the latest standardized fault codes and failure type byte subfaults, provide a new fault code appendix format and remove certain figures that belong in the SAE J1930 standard.

SAE is offering the current Diagnostic Trouble Code (DTC) and Failure Type Byte (FTB) appendices in a new Digital DTC and FTB appendices web tool.

FOREWORD

On-Board Diagnostic (OBD) regulations require passenger cars, and light and medium duty trucks, to report standardized fault codes for malfunctions detected by the OBD system. This document defines the standardized set of fault codes.

SAE J2012 was originally developed to meet U.S. OBD requirements for 1996 and later model year vehicles. ISO 15031-6 was based on SAE J1962 and was intended to meet European OBD requirements for 2000 and later model year vehicles. This document is technically equivalent to ISO 15031-6, with new and revised fault codes included.

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1. SCOPE

1.1 Purpose

This document supersedes SAE J2012 APR2002, and is technically equivalent to ISO 15031-6:2005 with the exceptions described in Section 1.2.

This document is intended to define the standardized Diagnostic Trouble Codes (DTC) that On-Board Diagnostic (OBD) systems in vehicles are required to report when malfunctions are detected.

This document includes:

- a. Diagnostic Trouble Code format.
- b. A standardized set of Diagnostic Trouble Codes and descriptions
- A standardized set of Diagnostic Trouble Codes subtypes known as Failure Types

1.2 Differences from ISO Document

The differences to the ISO document 15031-6:2005 are the removal of figures in Section 3. The figures have been moved to SAE J1930. The DTC and FTB appendixes have been updated to reflect the latest industry standardized DTC and FTB definitions.

2. REFERENCES

2.1 Applicable Publications

The following publications form a part of this specification to the extent specified herein. Unless otherwise specified, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J1930 Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations, and Acronyms

SAE J1978 OBD II Scan Tool

SAE J1979 E/E Diagnostic Test Modes

2.1.2 ISO Publications

Available from ANSI, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, www.ansi.org.

| ISO/TR 15031-2:2004 | Road vehicles—Communication between vehicle and external equipment for emissions-related diagnostics—Part 2: Terms, definitions, abbreviations and acronyms |
|---------------------|---|
| ISO 15031-4:2005 | Road vehicles—Communication between vehicle and external test equipment for emissions-related diagnostics—Part 4: External test equipment |
| ISO 15031-5:2006 | Road vehicles—Communication between vehicle and external test equipment for emissions-related diagnostics—Part 5: Emissions related diagnostic services |
| ISO 15031-6:2005 | Road vehicles—Communication between vehicle and external test equipment for emissions-related diagnostics—Part 6: Diagnostic trouble code definitions |
| ISO 14229-1 | Road vehicles—Unified diagnostics services (UDS)—Part 1: Specification and requirements |

3. DEFINITIONS

This document is not intended to be used for terms and definitions of vehicle component terminology. Many related vehicle technologies are defined in SAE J1930.

3.1 Circuit/Open

Fixed value or no response from the system where specific high or low detection is not feasible or can be used in conjunction with circuit low and high codes where all three circuit conditions can be detected.

3.2 Range/Performance

Circuit is in the normal operating range, but not correct for current operating conditions, it may be used to indicate stuck or skewed values indicating poor performance of a circuit, component, or system.

3.3 Low Input

Circuit voltage, frequency, or other characteristic measured at the control module input terminal or pin that is below the normal operating range.

3.4 High Input

Circuit voltage, frequency, or other characteristic measured at the control module input terminal or pin that is above the normal operating range.

3.5 Bank

Specific group of cylinders sharing a common control sensor, bank 1 always contains cylinder number 1, bank 2 is the opposite bank.

NOTE: If there is only one bank, use bank #1 DTCs and the word bank may be omitted. With a single "bank" system using multiple sensors, use bank #1.

3.6 Sensor Location

Location of a sensor in relation to the engine air flow, starting from the fresh air intake through to the vehicle tailpipe or fuel flow from the fuel tank to the engine in order numbering 1,2,3 and so on.

3.7 Left/Right and Front/Rear

Component identified by its position as if it can be viewed from the drivers seating position.

3.8 "A" "B"

Where components are indicated by a letter (e.g., A, B, C, etc.) this would be manufacturer defined.

3.9 Intermittent/Erratic

The signal is temporarily discontinuous, the duration of the fault is not sufficient to be considered an open or short, or the rate of change is excessive.

4. GENERAL SPECIFICATIONS

The following table specifies systems, code categories, hexadecimal values and particular sections of electrical/electronic systems diagnostic.

| System | Code Categories | Hex Value | Appendix |
|------------|-----------------|-----------------------------|----------|
| Body | B0xxx - B3xxx | 8xxx - Bxxx | B0 |
| Chassis | C0xxx - C3xxx | 4 <i>xxx</i> - 7 <i>xxx</i> | CO |
| Powertrain | P0xxx - P3xxx | 0 <i>xxx</i> - 3 <i>xxx</i> | P0 |
| Network | U0xxx - U3xxx | Cxxx - Fxxx | U0 |

TABLE 1 - GENERAL CODE SPECIFICATIONS

The recommended DTCs consist of a three digit hexadecimal code preceded by an alphanumeric designator. The alphanumeric designators are "B0", "B1", B2", "B3", "C0", "C1", C2", "C3", "P0", "P1", P2", "P3", "U0", "U1", U2", "U3", corresponding to four sets of body, four sets of chassis, four sets of powertrain and four sets of network trouble codes. The code structure itself is partially open-ended. A portion of the available numeric sequences (portions of "B0", "C0", "P0", "P3", "U0", and "U3") is reserved for uniform codes assigned by this or future updates. Detailed specifications of the DTC format structure are specified in Section 5.

Most circuit, component, or system diagnostic trouble codes that do not support a subfault strategy are specified by four basic categories:

- General Circuit /Open
- Range/Performance
- Circuit Low
- Circuit High

Circuit Low is measured with the external circuit, component, or system connected. The signal type (voltage, frequency, etc.) shall be included in the message after Circuit Low.

Circuit High is measured with the external circuit, component, or system connected. The signal type (voltage, frequency, etc.) may be included in the message after Circuit High.

5. FORMAT STRUCTURE

5.1 Description

The diagnostic trouble code consists of an alphanumeric designator, B0 -- B3 for body, C0 -- C3 for chassis, P0 -- P3 for powertrain, and U0 -- U3 for network communication, followed by a hexadecimal number. The assignment of the proper alpha designator should be determined by the area most appropriate for that function. In most cases, the alpha designator will be implied since diagnostic information will be requested from a particular controller. However, this does not imply that all codes supported by a particular controller shall have the same alphanumeric designator. The codes are structured as in Figure 1.

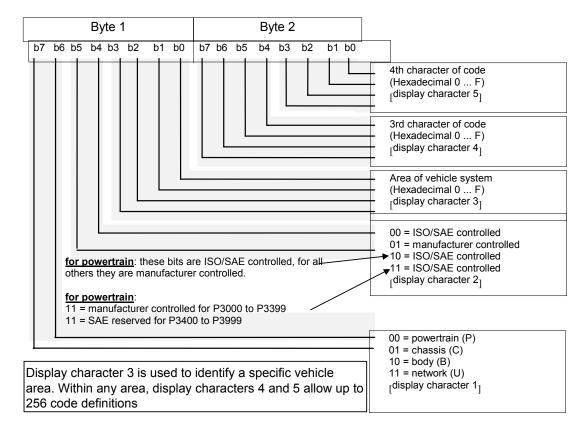


FIGURE 1 - STRUCTURE OF DIAGNOSTIC TROUBLE CODES

EXAMPLE: The 2-byte DTC as a data bus value \$9234 would be displayed to technicians as the manufacturer controlled body code B1234, see Figure 2.

| | | DT | C HIC | SH BY | TE | | | | | DT | C LOV | V BY | ΓΕ | | |
|---|----|----|-------|-------|----|---|---|---|---|----|-------|------|----|---|---|
| | \$ | 9 | _ | | \$ | 2 | | | | 3 | | | \$ | 4 | |
| 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| | В | | 1 | | 2 | 2 | | | | 3 | | | 4 | 4 | |

FIGURE 2 - EXAMPLE OF 2-BYTE DIAGNOSTIC TROUBLE CODE STRUCTURE

EXAMPLE: The 3-byte DTC as a data bus value \$923400 would be displayed to technicians as the manufacturer controlled body code B1234-00, see Figure 3. See appendix FTB for DTC Low Byte (Failure Type Byte) definitions. The low byte shall be displayed in hexadecimal format, e.g. \$1A shall be displayed as 1A.

| | | С | OTC | HIG | Н В | YTE | | | DTC MIDDLE BYTE | | | | E | | | | | DTC | : LO\ | N B | YTE | | | | |
|---|---|-----|-----|-----|-----|-----|----|---|-----------------|--|--|-----|---|---|---|---|----|-----|-------|-----|-----|---|---|---|--|
| | | \$9 |) | | | 9 | 52 | | \$3 | | | \$4 | | | | | \$ | 0 | | | \$ | 0 | | | |
| 1 | 0 | , | 0 | 1 | 0 | 0 | 1 | 0 | 0 0 1 1 0 1 0 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| | В | | , | 1 | | | 2 | | 3 | | | | | | 4 | | | | (|) | | | (| 0 | |

FIGURE 3 - EXAMPLE OF 3-BYTE DIAGNOSTIC TROUBLE CODE STRUCTURE

Codes have been specified to indicate a suspected trouble or problem area and are intended to be used as a directive to the proper service procedure. To minimize service confusion, fault codes should not be used to indicate the absence of problems or the status of parts of the system, (e.g. powertrain system O.K., or MIL activated), but should be confined to indicate areas in need of service attention.

Ranges have been expanded from 100 numbers to 256 by using the hexadecimal base 16 number system.

5.2 ISO/SAE Controlled Codes (Core DTCs)

ISO/SAE controlled diagnostic trouble codes are those codes where industry uniformity has been achieved. These codes are common enough across most manufacturers' applications that a common number and fault message could be assigned. All unspecified numbers in each grouping are ISO/SAE reserved for future growth. Although service procedures may differ widely amongst manufacturers, the fault being indicated is common enough to be assigned a particular fault code. Codes in this area are not to be used by manufacturers until they have been approved by ISO/SAE.

5.3 Manufacturer Controlled Codes (Non-Uniform DTCs)

Areas within each alpha designator have been made available for manufacturer-controlled DTCs. These are fault codes that will not generally be used by a majority of the manufacturers due to basic system differences, implementation differences, or diagnostic strategy differences. Each vehicle manufacturer or supplier who designs and specifies diagnostic algorithms, software, and diagnostic trouble codes are strongly encouraged to remain consistent across their product line when assigning codes in the manufacturer controlled area. For powertrain codes, where possible, the same groupings should be used as in the ISO/SAE controlled area, i.e. 100's and 200's for fuel and air metering, 300's for ignition system or misfire, etc.

While each manufacturer has the ability to define the controlled DTCs to meet their specific controller algorithms, all DTC descriptions shall meet SAE J1930 or ISO 15031-2.

5.4 Body System Groupings

DTC numbers and descriptions are given in appendix B0.

- 5.4.1 B0XXX ISO/SAE Controlled
- 5.4.2 B1XXX Manufacturer Controlled
- 5.4.3 B2XXX Manufacturer Controlled
- 5.4.4 B3XXX Reserved by Document
- 5.5 Chassis System Groupings

DTC numbers and descriptions are given in appendix C0.

- 5.5.1 C0XXX ISO/SAE Controlled
- 5.5.2 C1XXX Manufacturer Controlled
- 5.5.3 C2XXX Manufacturer Controlled
- 5.5.4 C3XXX Reserved by Document

5.6 Powertrain System Groupings

DTC numbers and descriptions are given in appendix P0.

- 5.6.1 P0XXX ISO/SAE Controlled
- 5.6.2 P1XXX Manufacturer Control
- 5.6.3 P2XXX ISO/SAE Controlled
- 5.6.4 P3XXX Manufacturer Controlled and ISO/SAE Reserved
- 5.7 Network Groupings

DTC numbers and descriptions are given in appendix U0.

- 5.7.1 U0XXX ISO/SAE Controlled
- 5.7.2 U1XXX Manufacturer Controlled
- 5.7.3 U2XXX Manufacturer Controlled
- 5.7.4 U3XXX Manufacturer Controlled and ISO/SAE Reserved
- 6. DIAGNOSTIC TROUBLE CODE DESCRIPTIONS

6.1 Diagnostic Trouble Code Application

Recent developments have expanded the scope of this documentation to include additional DTCs and descriptions for network systems, body systems, and chassis systems. Two different DTC application methods are required depending on the system. Powertrain DTCs require the assignment of a unique DTC number and description for each failure mode (e.g.: circuit low, circuit high, rationality, etc). Body and chassis systems descriptions are more general and require the assignment of a single DTC number and description for each component, not failure mode. Unique body and chassis failure mode identification is still possible, but is dependent upon using diagnostic protocols that support a subfault failure strategy. One example is ISO 14229-1, which uses a "Failure Type Byte" associated with each DTC to describe the failure mode (e.g.: circuit low, circuit high, rationality, etc). However any protocol supporting a subfault strategy will work with these DTCs. Manufacturers must select the appropriate failure mode to apply to the base DTC description.

6.2 Powertrain Systems

The powertrain systems category covers functions that include engine, transmission and associated drivetrain accessories. For powertrain systems, each specified fault code has been assigned a description to indicate the circuit, component or system area that was determined to be at fault. The descriptions are organized such that different descriptions related to a particular sensor or system are grouped together. In cases where there are various fault descriptions for different types of faults, the group also has a "generic" description as the first code/message of the group. A manufacturer has a choice when implementing diagnostics, based on the specific strategy and complexity of the diagnostic.

Where more specific fault descriptions for a circuit, component, or system exist, the manufacturer should choose the code most applicable to their diagnosable fault. The descriptions are intended to be somewhat general to allow manufacturers to use them as often as possible yet still not conflict with their specific repair procedures. The terms "low" and "high" when used in a description, especially those related to input signals, refer to the voltage, frequency, etc. at the pin of the controller. The specific level of "low" and "high" shall be specified by each manufacturer to best meet their needs.

For example, in diagnosing a 5 V reference Throttle Position Sensor (TP Sensor), if the input signal at the Powertrain Control Module (PCM) is stuck at near 0 V, a manufacturer has the flexibility to select from either of two codes - P0120 (Throttle/Pedal Position Sensor/Switch A Circuit) or P0122 (Throttle/Pedal Position Sensor/Switch A Circuit Low), depending on the manufacturer's diagnostic procedures. If the input signal at the PCM is stuck at near 5 V, a manufacturer has the flexibility to select from either of two codes - P0120 (Throttle/Pedal Position Sensor/Switch A Circuit High), depending on the manufacturer's diagnostic procedures. If the input signal at the PCM is stuck at 1.5 V at idle instead of the expected 1.0 V, the manufacturer has the flexibility to select from either of two codes - P0120 (Throttle/Pedal Position Sensor/Switch A Circuit) or P0121 (Throttle/Pedal Position Sensor/Switch A Circuit Range/Performance), depending on the manufacturer's diagnostic procedures. The root cause of the higher than expected TP Sensor voltage may be either a faulty TP Sensor, corrosion in the TP Sensor connections or an improperly adjusted throttle plate. Identification of the root cause is done using the diagnostic procedures and is not implied by the DTC message, thus allowing the manufacturer the flexibility in assigning DTCs.

6.3 Body Systems

The body systems category covers functions that are, generally, inside of the passenger compartment. These functions provide the vehicle occupants with assistance, comfort, convenience, and safety. Each specified trouble code has been assigned a description to indicate the component or system area that was determined to be at fault. Unlike powertrain systems, the body system trouble code descriptions are intended to be general. Powertrain DTCs typically include separate DTCs for each failure mode (e.g.: circuit low, circuit high, rationality, etc) within each DTC description. Body system DTCs are designed to only support the base component in the description, which makes these DTCs dependent upon diagnostic protocols that support a subfault failure strategy. Manufacturers must select the appropriate failure mode (e.g.: circuit short to ground, circuit short to battery, signal plausibility failure, etc) to apply to the general DTC description. The supported body subsection included in this group is currently Restraints.

6.4 Chassis Systems

The chassis systems category covers functions that are, generally, outside of the passenger compartment. These functions typically include mechanical systems such as brakes, steering and suspension. Each specified trouble code has been assigned a description to indicate the component or system area that was determined to be at fault. Unlike powertrain systems, the chassis system trouble code descriptions are intended to be general. Powertrain DTCs typically include separate DTCs for each failure mode (e.g.: circuit low, circuit high, rationality, etc) within each DTC description. Chassis system DTCs are designed to only support the base component in the description, which makes these DTCs dependent upon diagnostic protocols that support a subfault failure strategy. Manufacturers must select the appropriate failure mode (e.g.: circuit short to ground, circuit short to battery, signal plausibility failure, etc) to apply to the general DTC description. The supported chassis subsections included in this group are currently Brakes and Traction Control.

6.5 Network and Vehicle Integration Systems

The network communication and vehicle integration systems category covers functions that are shared among computers and/or systems on the vehicle. Each specified trouble code has been assigned a description to indicate the component or system area that was determined to be at fault. The descriptions of data links are intended to be general in order to allow manufacturers to use them for different communication protocols. The descriptions of control modules are intended to be general in order to allow manufacturers to reuse the DTC for new control modules as technologies evolve. Also, the descriptions may be supplemented with additional subfault information such as the "Failure Type Byte" data defined in appendix FTB. The subsections included in this group are Network Electrical, Network Communication, Network Software, Network Data, and Control Module/Power Distribution.

7. CHANGE REQUESTS

Use this form to request new industry standard DTCs.

Request Form for New ISO 15031-6/SAE J2012 Controlled DTC

| What is the purpose of the component, circuit, or system? | |
|---|---------------------------------------|
| Example: Exhaust Gas Recirculation. | |
| What is the purpose of the diagnostic? | |
| Example: detect low EGR flow | |
| Requested Group Number | |
| Requested DTC Number | |
| Requested DTC Nomenclature | |
| Example: EGR Low Flow Detected | |
| Requested by: | · · · · · · · · · · · · · · · · · · · |
| Phone/Fax | |
| Email | |
| Address | |
| Date: | |

Please send completed form(s) either to:

FAKRA
Normenausschuß Kraftfahrzeuge
Postfach 17 05 63
D-60079 Frankfurt/Main
Germany
ATTN: ISO/TC22/SC3/WG1

SAE Headquarters 755 West Big Beaver Road Suite 1600 Troy, MI 48084 USA

ATTN: J2012 Committee Chairman

8. NOTES

8.1 Marginal Indicia

The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

PREPARED BY THE SAE VEHICLE ELECTRICAL AND ELECTRONICS DIAGNOSTIC SYSTEMS STANDARDS COMMITTEE

APPENDIX A0 - (NORMATIVE) DIAGNOSTIC TROUBLE CODE NAMING GUIDELINES

A.1 DISCUSSION

Tables A01, A02, A03, A04 provide guidelines to help in determining DTC descriptions.

Appendix B0 shows applications for recommended industry common trouble codes for the body systems, Appendix C0 shows applications for chassis systems, Appendix P0 shows applications for powertrain systems and Appendix U0 shows applications for network control systems. The DTCs in appendix P0 include systems that might be integrated into an electronic control module that would be used for controlling engine functions, such as fuel, spark, idle speed, and vehicle speed (cruise control), as well as those for transmission control. The fact that a code is recommended as a common industry code does not imply that it is a required code (legislated), an emission related code, nor that it indicates a fault that will cause the malfunction indicator to be illuminated.

TABLE A01 - DTC NAMING GUIDELINES FOR SIGNALS FROM COMPONENTS

| Component/System ISO 15031-2/ SAE J1930 ⁽¹⁾ | Acronym ISO 15031-2/ SAEJ1930 ⁽¹⁾ | Modifier (if used) ⁽¹⁾ | Noun Name ⁽¹⁾ | Circuit ⁽¹⁾ | Intermittent (if used) ⁽¹⁾ | State (if used) ⁽¹⁾ | Parameter (if used) ⁽¹⁾ | |
|--|--|-----------------------------------|--------------------------|------------------------|---------------------------------------|-----------------------------------|------------------------------------|----------------------------|
| Throttle Position | TP | | Sensor | Circuit | | Low | Voltage | |
| Throttle Position | TP | | Sensor | Circuit | | Performance | | |
| Manifold Absolute Pressure | MAP | | Sensor | Circuit | | High | Voltage | |
| Engine Coolant Temperature | ECT | | Sensor | Circuit | | Low | Voltage | |
| Intake Air Temperature | IAT | | Sensor | Circuit | | High | Voltage | |
| Vehicle Speed Sensor | VSS | | included in acronym | Circuit | | High | Voltage | |
| Vehicle Speed Sensor | VSS | | included in acronym | Circuit | Intermittent | | | |
| Heated Oxygen Sensor | HO2S | | included in acronym | Circuit | | | | |
| Heated Oxygen Sensor | HO2S | | included in acronym | Circuit | | Low | Voltage | Bank (B1) Sensor 1 (S1) |
| Idle Air Control | IAC | | Valve | Circuit | | Low | Voltage | |
| Mass Air Flow | MAF | | Sensor | Circuit | | High | Frequency | |
| Mass Air Flow | MAF | | Sensor | Circuit | | Performance | | |
| Knock Sensor | KS | | included in acronym | Circuit | | | | Bank 1 |
| Knock Sensor | KS | | included in acronym | Circuit | | Performance | | |
| Crankshaft Position | CKP | | Sensor | Circuit | | | | |
| Evaporative Emissions | EVAP | Canister Purge | Valve | Circuit | | | | |
| Engine Speed | RPM | | Input | Circuit | | | | |
| Air Conditioning | A/C | Clutch Status | N/A | Circuit | | Low | Voltage | |

TABLE A01 - DTC NAMING GUIDELINES FOR SIGNALS FROM COMPONENTS (CONTINUED)

| Component/System ISO 15031-2/ SAE J1930 ⁽¹⁾ | Acronym ISO 15031-2/ SAEJ1930 ⁽¹⁾ | Modifier (if used) ⁽¹⁾ | Noun Name ⁽¹⁾ | Circuit ⁽¹⁾ | Intermittent (if used) ⁽¹⁾ | State (if used) ⁽¹⁾ | Parameter (if used) ⁽¹⁾ | Location (if used) ⁽¹⁾ |
|--|--|-----------------------------------|--------------------------|------------------------|---------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|
| Heated Oxygen Sensor | HO2S | | included in acronym | Circuit | | Transition Time Ratio | | Bank 1 (B1) Sensor (S1) |
| Heated Oxygen Sensor | HO2S | | included in acronym | Circuit | | Insufficient Switching | | Bank 1 (B1) Sensor 1 (S1) |
| Distributor Ignition | DI | Low Resolution | | Circuit | Intermittent | | | |
| Distributor Ignition | DI | High Resolution | | Circuit | | | | |

NOTE 1) The Service Information uses Component/System from ISO 15031-2/SAE J1930 or Acronym from ISO 15031-2/SAE J1930, Modifier, Noun Name, Circuit, Intermittent, State, Parameter, and Location.

TABLE A02 - DTC NAMING GUIDELINES FOR SIGNALS TO COMPONENTS

| Component/System ISO 15031-2/ SAE J1930 ⁽¹⁾ | Acronym ISO 15031-2/ SAEJ1930 ⁽¹⁾ | Modifier (if used) ⁽¹⁾ | Noun Name ⁽¹⁾ | Control ⁽¹⁾ | Circuit ⁽¹⁾ | Intermittent (if used) ⁽¹⁾ | State (if used) ⁽¹⁾ | Parameter (if used) ⁽¹⁾ | Location (if used) ⁽¹⁾ |
|--|--|-----------------------------------|-----------------------------|------------------------|------------------------|---------------------------------------|--------------------------------|------------------------------------|-----------------------------------|
| Malfunction Indicator Lamp | MIL | | included in acronym | Control | Circuit | | | | |
| Injector | N/A | | N/A | Control | Circuit | | | | |
| Fan Control | FC | 1 | | Control | Circuit | | | | |
| Fan Control | FC | 2 | | Control | Circuit | | Low | | |
| Exhaust Gas Recirculation | EGR | | Solenoid | Control | Circuit | | High | | |
| Secondary Air Injection | AIR | | Solenoid | Control | Circuit | | High | | |
| Evaporative Emissions | EVAP | Purge | Solenoid | Control | Circuit | | | | |
| Air Conditioning | A/C | Clutch | Relay | Control | Circuit | | | | |
| Idle Air Control | IAC | | Valve | Control | Circuit | | Low | | |
| Ignition Control | IC | | N/A | included in acronym | Circuit | | Low | Voltage | |
| Ignition Control | IC | | N/A | included in acronym | Circuit | | High | Voltage | |
| Torque Converter Clutch | TCC | | Solenoid | Control | Circuit | | Stuck on | | |

NOTE 1) The Service Information uses Component/System from ISO 15031-2/SAE J1930 or Acronym from ISO 15031-2/SAE J1930, Modifier, Noun Name, Circuit, Intermittent, State, Parameter, and Location.

TABLE A03 - DTC NAMING GUIDELINES INVOLVING SEVERAL COMPONENTS OR SYSTEMS

| Component/System ISO15031-2/SAE J1930 ⁽¹⁾ | Acronym ISO 15031-2/ SAE J1930 ⁽¹⁾ | Modifier ⁽¹⁾ | System ⁽¹⁾ | Intermittent ⁽¹⁾ | State ⁽¹⁾ | Parameter ⁽¹⁾ | Location ⁽¹⁾ |
|---|---|-------------------------|-----------------------|-----------------------------|----------------------|--------------------------|-------------------------|
| Exhaust Gas Recirculation | EGR | | System | | | | |
| Fuel Trim | FT | | System | | Lean | | Bank 1 |
| Secondary Air Injection | AIR | | System | | | | Bank 1 |

NOTE 1) The Service Information uses Component/System from ISO 15031-2/SAE J1930 or Acronym from ISO 15031-2/SAE J1930, Modifier, Noun Name, Circuit, Intermittent, State, Parameter, and Location.

TABLE A04 - DTC NAMING GUIDELINES FOR SIGNALS USING A SUBFAULT STRATEGY

| Location | Component/System ISO 15031-2/ SAE J1930 ⁽¹⁾ | Acronym ISO 15031-2/ SAEJ1930 ⁽¹⁾ | Modifier (if used) ⁽¹⁾ | Noun Name ⁽¹⁾ | Subfault Failure Type ⁽²⁾ |
|--------------------|--|--|--------------------------------------|-----------------------------|--------------------------------------|
| Left Front | Wheel | | Speed | Sensor | signal amplitude < minimum |
| Passenger | Seat | | Occupant Classification | Sensor | circuit open |
| Second Row Left | Seatbelt | | | Sensor | no sub type information |
| Driver | Frontal | | Stage 1 | Deployment Control | circuit resistance out of range |

- NOTE 1) The Service Information uses Location, Component/System from ISO 15031-2/SAE J1930 or Acronym from ISO 15031-2/SAE J1930, Modifier, Noun Name, and Subfault Failure Type.
- NOTE 2) These DTCs require the addition of a failure mode supported via a diagnostic protocol (e.g. ISO 14229-1), which supports DTC subfaults. These are not intended to be used with protocols that do not support a subfault strategy. Reference appendix FTB for recommended Failure Type Byte assignments.

APPENDIX B0 - BODY SYSTEMS

TABLE B1 - B0XXX BODY SYSTEMS

| B00001 SO/SAE Reserved | DTC Number | DTC Naming | Location | Foot Note |
|--|------------|---|----------|-----------|
| Driver Frontal Stage 2 Deployment Control (Subfault) Driver Frontal Stage 3 Deployment Control (Subfault) Driver Frontal Stage 3 Deployment Control (Subfault) Driver Knee Bolster Deployment Control (Subfault) B0005 Collapsible Steering Column Deployment Control (Subfault) B0006 ISO/SAE Reserved B0007 ISO/SAE Reserved B0008 ISO/SAE Reserved B0009 SIO/SAE Reserved B0000 ISO/SAE Reserved B0001 ISO/SAE Reserved B0001 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 Passenger Frontal Stage 1 Deployment Control (Subfault) B0012 Passenger Frontal Stage 2 Deployment Control (Subfault) B0013 Passenger Frontal Stage 3 Deployment Control (Subfault) B0014 ISO/SAE Reserved B0016 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Curtain Deployment Control (Subfault) B0021 Left Curtain Deployment Control (Subfault) B0022 Left Curtain Deployment Control 1 (Subfault) B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 1 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 ISO/SAE Reserved B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 ISO/SAE Reserved B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved | B0000 | ISO/SAE Reserved | | |
| Driver Frontal Stage 3 Deployment Control (Subfault) Driver Knee Bolster Deployment Control (Subfault) Collapsible Steering Column Deployment Control (Subfault) SUSAE Reserved | B0001 | Driver Frontal Stage 1 Deployment Control (Subfault) | | |
| Divier Knee Bolster Deployment Control (Subfault) B0005 Collapsible Steering Column Deployment Control (Subfault) B0006 ISO/SAE Reserved B0007 ISO/SAE Reserved B0008 ISO/SAE Reserved B0009 ISO/SAE Reserved B0000 ISO/SAE Reserved B0001 ISO/SAE Reserved B0001 ISO/SAE Reserved B0010 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Frontal Stage 3 Deployment Control (Subfault) B0014 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Curtain Deployment Control (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0022 Left Curtain Deployment Control 1 (Subfault) B0023 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 2 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 ISO/SAE Reserved B0020 ISO/SAE Reserved | B0002 | Driver Frontal Stage 2 Deployment Control (Subfault) | | |
| B0006 ISO/SAE Reserved B0007 ISO/SAE Reserved B0008 ISO/SAE Reserved B0009 ISO/SAE Reserved B0009 ISO/SAE Reserved B0000 ISO/SAE Reserved B0001 ISO/SAE Reserved B0001 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Frontal Stage 3 Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Curtain Deployment Control (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control 1 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved | B0003 | Driver Frontal Stage 3 Deployment Control (Subfault) | | |
| B0006 | B0004 | Driver Knee Bolster Deployment Control (Subfault) | | |
| BO007 | B0005 | Collapsible Steering Column Deployment Control (Subfault) | | |
| BO008 | B0006 | ISO/SAE Reserved | | |
| B0009 | B0007 | ISO/SAE Reserved | | |
| B000A ISO/SAE Reserved B000B ISO/SAE Reserved B000C ISO/SAE Reserved B000D ISO/SAE Reserved B000E ISO/SAE Reserved B000E ISO/SAE Reserved B000F ISO/SAE Reserved B000F ISO/SAE Reserved B0010 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Frontal Stage 3 Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved | B0008 | ISO/SAE Reserved | | |
| B000B ISO/SAE Reserved B000C ISO/SAE Reserved B000B ISO/SAE Reserved B000B ISO/SAE Reserved B000B ISO/SAE Reserved B000B ISO/SAE Reserved B000F ISO/SAE Reserved B0010 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Knee Bolster Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0012 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0012 ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control 1 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 ISO/SAE Reserved B0029 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved | B0009 | ISO/SAE Reserved | | |
| BOOCC ISO/SAE Reserved BOOOD ISO/SAE Reserved BOOOF ISO/SAE Reserved BOOOF ISO/SAE Reserved BOOOF ISO/SAE Reserved BOOOT Passenger Frontal Stage 1 Deployment Control (Subfault) BOO11 Passenger Frontal Stage 2 Deployment Control (Subfault) BOO12 Passenger Frontal Stage 3 Deployment Control (Subfault) BOO13 Passenger Knee Bolster Deployment Control (Subfault) BOO14 ISO/SAE Reserved BOO15 ISO/SAE Reserved BOO16 ISO/SAE Reserved BOO17 ISO/SAE Reserved BOO18 ISO/SAE Reserved BOO18 ISO/SAE Reserved BOO19 ISO/SAE Reserved BOO11 ISO/SAE Reserved BOO12 LESO/SAE RESERVED BOO14 ISO/SAE RESERVED BOO15 ISO/SAE RESERVED BOO16 ISO/SAE RESERVED BOO17 ISO/SAE RESERVED BOO18 ISO/SAE RESERVED BOO19 ISO/SAE RESERVED BOO10 ISO/SAE RESERVED BOO11 ISO/SAE RESERVED BOO11 ISO/SAE RESERVED BOO12 LESO/SAE RESERVED BOO11 ISO/SAE RESERVED BOO12 LESO/SAE RESERVED BOO13 ISO/SAE RESERVED BOO14 ISO/SAE RESERVED BOO15 ISO/SAE RESERVED BOO16 ISO/SAE RESERVED BOO17 ISO/SAE RESERVED BOO18 ISO/SAE RESERVED BOO19 ISO/SAE RESERVED BOO20 RIGHT CURTAIN DEPLOYMENT CONTROL (Subfault) BOO21 LESO/SAE RESERVED BOO22 RIGHT CURTAIN DEPLOYMENT CONTROL (Subfault) BOO23 RIGHT CURTAIN DEPLOYMENT CONTROL (Subfault) BOO24 RIGHT CURTAIN DEPLOYMENT CONTROL (Subfault) BOO25 RIGHT CURTAIN DEPLOYMENT CONTROL (Subfault) BOO26 SO/SAE RESERVED BOO27 SO/SAE RESERVED BOO28 RIGHT CURTAIN DEPLOYMENT CONTROL (Subfault) BOO29 RIGHT CURTAIN DEPLOYMENT CONTROL (Subfault) BOO20 ISO/SAE RESERVED | B000A | ISO/SAE Reserved | | |
| B000D ISO/SAE Reserved B000E ISO/SAE Reserved B000F ISO/SAE Reserved B0010 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Knee Bolster Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Curtain Deployment Control (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 2 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved | B000B | ISO/SAE Reserved | | ļ. |
| B000E ISO/SAE Reserved B000F ISO/SAE Reserved B0010 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Knee Bolster Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B001B ISO/SAE Reserved B001B ISO/SAE Reserved B001C ISO/SAE Reserved B001F ISO/SAE Reserved B001E ISO/SAE Reserved B001E ISO/SAE Reserved B001E ISO/SAE Reserved B001E ISO/SAE Reserved B001C ISO/SAE Reserved B001E ISO/SAE Reserved B001E ISO/SAE Reserved B001E ISO/SAE Reserved B001E ISO/SAE Reserved B001C ISO/SAE Reserved B001C ISO/SAE Reserved B001E ISO/SAE Reserved B001E ISO/SAE Reserved B0021 Left Curtain Deployment Control (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 ISO/SAE Reserved B0029 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved | B000C | ISO/SAE Reserved | | |
| B000F ISO/SAE Reserved B0010 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Knee Bolster Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0012 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Curtain Deployment Control (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002E ISO/SAE Reserved | B000D | ISO/SAE Reserved | | |
| B0010 Passenger Frontal Stage 1 Deployment Control (Subfault) B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Frontal Stage 3 Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0012 Left Side Airbag Deployment Control (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0028 ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002E ISO/SAE Reserved | B000E | ISO/SAE Reserved | | |
| B0011 Passenger Frontal Stage 2 Deployment Control (Subfault) B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Knee Bolster Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Side Airbag Deployment Control (Subfault) B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 1 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 2 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved | B000F | ISO/SAE Reserved | | |
| B0012 Passenger Frontal Stage 3 Deployment Control (Subfault) B0013 Passenger Knee Bolster Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0012 ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 2 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved | B0010 | Passenger Frontal Stage 1 Deployment Control (Subfault) | | |
| B0013 Passenger Knee Bolster Deployment Control (Subfault) B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0014 ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control 1 (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 ISO/SAE Reserved B0022 Right Side Airbag Deployment Control 2 (Subfault) B0023 Right Curtain Deployment Control 2 (Subfault) B0024 Right Curtain Deployment Control 3 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0077 ISO/SAE Reserved B0078 Right Curtain Deployment Control 3 (Subfault) B0079 Right Curtain Deployment Control 4 (Subfault) B0079 Right Curtain Deployment Control 5 (Subfault) B0070 Right Curtain Deployment Control 5 (Subfault) | B0011 | Passenger Frontal Stage 2 Deployment Control (Subfault) | | |
| B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Side Airbag Deployment Control (Subfault) B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 Right Curtain Deployment Control 2 (Subfault) B0022 Right Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 2 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 ISO/SAE Reserved B0029 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved | B0012 | Passenger Frontal Stage 3 Deployment Control (Subfault) | | |
| B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 Left Side Airbag Deployment Control (Subfault) B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 Right Curtain Deployment Control 2 (Subfault) B0022 Right Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 2 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 ISO/SAE Reserved B0029 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved | B0013 | Passenger Knee Bolster Deployment Control (Subfault) | | |
| B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B001A ISO/SAE Reserved B001A ISO/SAE Reserved B001B ISO/SAE Reserved B001C ISO/SAE Reserved B001D ISO/SAE Reserved B001D ISO/SAE Reserved B001D ISO/SAE Reserved B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 Right Curtain Deployment Control 2 (Subfault) B0022 Right Curtain Deployment Control 2 (Subfault) B0023 Right Curtain Deployment Control 3 (Subfault) B0024 Right Curtain Deployment Control 3 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 Right Curtain Deployment Control 3 (Subfault) B0028 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0022 ISO/SAE Reserved | B0014 | | | |
| B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0013 ISO/SAE Reserved B0014 ISO/SAE Reserved B0015 ISO/SAE Reserved B0016 ISO/SAE Reserved B0017 ISO/SAE Reserved B0018 Right Side Airbag Deployment Control (Subfault) B0019 Right Curtain Deployment Control (Subfault) B0010 Right Subfault) B0010 Right Subfault Reserved B0010 Right Subfault Right R | B0015 | ISO/SAE Reserved | | |
| B0018 ISO/SAE Reserved B0019 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0010 ISO/SAE Reserved B0011 ISO/SAE Reserved B0011 ISO/SAE Reserved B0012 ISO/SAE Reserved B0015 ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0020 Left Curtain Deployment Control 1 (Subfault) B0021 Left Curtain Deployment Control 2 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control 2 (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 ISO/SAE Reserved B0029 ISO/SAE Reserved B0020 ISO/SAE Reserved B0020 ISO/SAE Reserved | B0016 | ISO/SAE Reserved | | |
| B0019 ISO/SAE Reserved B001A ISO/SAE Reserved B001B ISO/SAE Reserved B001C ISO/SAE Reserved B001D ISO/SAE Reserved B001E ISO/SAE Reserved B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control (Subfault) B0020 ISO/SAE Reserved B0021 ISO/SAE Reserved B0022 ISO/SAE Reserved B0023 ISO/SAE Reserved B0024 Right Curtain Deployment Control (Subfault) B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Curtain Deployment Control 2 (Subfault) B0029 Right Curtain Deployment Control 2 (Subfault) B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved | B0017 | ISO/SAE Reserved | | |
| B001A ISO/SAE Reserved B001B ISO/SAE Reserved B001C ISO/SAE Reserved B001D ISO/SAE Reserved B001E ISO/SAE Reserved B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0021 Right Curtain Deployment Control 3 (Subfault) B0022 Right Curtain Deployment Control 3 (Subfault) B0023 Right Curtain Deployment Control 3 (Subfault) B0024 Right Curtain Deployment Control 3 (Subfault) B0025 Right Curtain Deployment Control 3 (Subfault) B0026 Right Curtain Deployment Control 3 (Subfault) B0027 Right Curtain Deployment Control 3 (Subfault) B0028 Right Curtain Deployment Control 3 (Subfault) B0029 Right Curtain Deployment Control 3 (Subfault) B002B Right Curtain Deployment Control 3 (Subfault) B002C Right Curtain Deployment Control 3 (Subfault) B002D Right Curtain Deployment Control 3 (Subfault) | B0018 | ISO/SAE Reserved | | |
| B001B ISO/SAE Reserved B001C ISO/SAE Reserved B001D ISO/SAE Reserved B001E ISO/SAE Reserved B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B0020 Right Curtain Deployment Control 2 (Subfault) B0020 ISO/SAE Reserved | B0019 | ISO/SAE Reserved | | |
| B001C ISO/SAE Reserved B001D ISO/SAE Reserved B001E ISO/SAE Reserved B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002D ISO/SAE Reserved | B001A | ISO/SAE Reserved | | |
| B001D ISO/SAE Reserved B001E ISO/SAE Reserved B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B001B | ISO/SAE Reserved | | |
| B001E ISO/SAE Reserved B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002E ISO/SAE Reserved | B001C | ISO/SAE Reserved | | |
| B001F ISO/SAE Reserved B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002C ISO/SAE Reserved B002E ISO/SAE Reserved | B001D | ISO/SAE Reserved | | |
| B0020 Left Side Airbag Deployment Control (Subfault) B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B001E | ISO/SAE Reserved | | |
| B0021 Left Curtain Deployment Control 1 (Subfault) B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B001F | ISO/SAE Reserved | | |
| B0022 Left Curtain Deployment Control 2 (Subfault) B0023 ISO/SAE Reserved B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0020 | Left Side Airbag Deployment Control (Subfault) | | |
| B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0021 | Left Curtain Deployment Control 1 (Subfault) | | |
| B0024 ISO/SAE Reserved B0025 ISO/SAE Reserved B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0022 | Left Curtain Deployment Control 2 (Subfault) | | |
| B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0023 | ISO/SAE Reserved | | |
| B0026 ISO/SAE Reserved B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0024 | ISO/SAE Reserved | | |
| B0027 ISO/SAE Reserved B0028 Right Side Airbag Deployment Control (Subfault) B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0025 | ISO/SAE Reserved | | |
| Right Side Airbag Deployment Control (Subfault) Right Curtain Deployment Control 1 (Subfault) Right Curtain Deployment Control 2 (Subfault) Right Curtain Deployment Control 2 (Subfault) BO02B ISO/SAE Reserved BO02C ISO/SAE Reserved BO02D ISO/SAE Reserved BO02E ISO/SAE Reserved | B0026 | ISO/SAE Reserved | | |
| B0029 Right Curtain Deployment Control 1 (Subfault) B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0027 | ISO/SAE Reserved | | |
| B002A Right Curtain Deployment Control 2 (Subfault) B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0028 | Right Side Airbag Deployment Control (Subfault) | | |
| B002B ISO/SAE Reserved B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B0029 | Right Curtain Deployment Control 1 (Subfault) | | |
| B002C ISO/SAE Reserved B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B002A | Right Curtain Deployment Control 2 (Subfault) | | |
| B002D ISO/SAE Reserved B002E ISO/SAE Reserved | B002B | ISO/SAE Reserved | | |
| B002E ISO/SAE Reserved | B002C | ISO/SAE Reserved | | |
| | B002D | ISO/SAE Reserved | | |
| B002F ISO/SAE Reserved | B002E | ISO/SAE Reserved | | |
| | B002F | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|----------|-----------|
| B0030 | Second Row Left Side Airbag Deployment Control (Subfault) | | |
| B0031 | Second Row Left Frontal Stage 1 Deployment Control (Subfault) | | |
| B0032 | Second Row Left Frontal Stage 2 Deployment Control (Subfault) | | |
| B0033 | Second Row Left Frontal Stage 3 Deployment Control (Subfault) | | |
| B0034 | ISO/SAE Reserved | | |
| B0035 | ISO/SAE Reserved | | |
| B0036 | ISO/SAE Reserved | | |
| B0037 | ISO/SAE Reserved | | |
| B0038 | Second Row Right Side Airbag Deployment Control (Subfault) | | |
| B0039 | Second Row Right Frontal Stage 1 Deployment Control (Subfault) | | |
| B003A | Second Row Right Frontal Stage 2 Deployment Control (Subfault) | | |
| B003B | Second Row Right Frontal Stage 3 Deployment Control (Subfault) | | |
| B003C | ISO/SAE Reserved | | |
| B003D | ISO/SAE Reserved | | |
| B003E | ISO/SAE Reserved | | |
| B003F | ISO/SAE Reserved | | |
| B0040 | Third Row Left Side Airbag Deployment Control (Subfault) | | |
| B0040 | Third Row Left Frontal Stage 1 Deployment Control (Subfault) | | |
| B0041 B0042 | Third Row Left Frontal Stage 2 Deployment Control (Subfault) | | |
| B0042 | Third Row Left Frontal Stage 2 Deployment Control (Subfault) Third Row Left Frontal Stage 3 Deployment Control (Subfault) | | |
| B0043 | ISO/SAE Reserved | | |
| B0044 B0045 | ISO/SAE Reserved | | |
| B0045 B0046 | ISO/SAE Reserved | | |
| B0047 | ISO/SAE Reserved | | |
| B0047 B0048 | Third Row Right Side Airbag Deployment Control (Subfault) | | |
| B0048 | Third Row Right Glob Alibag Deployment Control (Subfault) Third Row Right Frontal Stage 1 Deployment Control (Subfault) | | |
| B0049 B004A | Third Row Right Frontal Stage 1 Deployment Control (Subfault) Third Row Right Frontal Stage 2 Deployment Control (Subfault) | | |
| B004A B004B | | | |
| B004B B004C | Third Row Right Frontal Stage 3 Deployment Control (Subfault) ISO/SAE Reserved | | |
| | | | |
| B004D | ISO/SAE Reserved | | |
| B004E | ISO/SAE Reserved ISO/SAE Reserved | | |
| B004F B0050 | | | |
| | Driver Seatbelt Sensor (Subfault) First Row Center Seatbelt Sensor (Subfault) | | |
| B0051 | , | | |
| B0052 | Passenger Seatbelt Sensor (Subfault) | | |
| B0053 | Second Row Left Seatbelt Sensor (Subfault) | | |
| B0054 | Second Row Center Seatbelt Sensor (Subfault) | | |
| B0055 | Second Row Right Seatbelt Sensor (Subfault) | | |
| B0056 | Third Row Left Seatbelt Sensor (Subfault) | | |
| B0057 | Third Row Center Seatbelt Sensor (Subfault) | | |
| B0058 | Third Row Right Seatbelt Sensor (Subfault) ISO/SAE Reserved | | |
| B0059 | | | |
| B005A | ISO/SAE Reserved | | |
| B005B | ISO/SAE Reserved | | |
| B005C | ISO/SAE Reserved | | |
| B005D | ISO/SAE Reserved | | |
| B005E | ISO/SAE Reserved | | |
| B005F | ISO/SAE Reserved | | |
| B0060 | Driver Seatbelt Tension Sensor (Subfault) | | |
| B0061 | Passenger Seatbelt Tension Sensor (Subfault) | | |
| B0062 | ISO/SAE Reserved | | |
| B0063 | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|----------|------------|
| B0064 | ISO/SAE Reserved | Location | 1 OOL HOLE |
| B0065 | ISO/SAE Reserved | | |
| B0066 | ISO/SAE Reserved | | |
| B0067 | ISO/SAE Reserved | | |
| B0068 | ISO/SAE Reserved | | |
| B0069 | ISO/SAE Reserved | | |
| B006A | ISO/SAE Reserved | | |
| B006B | ISO/SAE Reserved | | |
| B006C | ISO/SAE Reserved | | |
| B006D | ISO/SAE Reserved | | |
| B006E | ISO/SAE Reserved | | |
| B006F | ISO/SAE Reserved | | |
| B0070 | | | |
| B0070 | Driver Seatbelt Pretensioner "A" Deployment Control (Subfault) | | |
| B0071 B0072 | First Row Center Seatbelt Pretensioner Deployment Control (Subfault) | | |
| B0072 B0073 | Passenger Seatbelt Pretensioner "A" Deployment Control (Subfault) Second Row Left Seatbelt Pretensioner Deployment Control (Subfault) | | |
| | , , | | |
| B0074 | Second Row Center Seatbelt Pretensioner Deployment Control (Subfault) | | |
| B0075 | Second Row Right Seatbelt Pretensioner Deployment Control (Subfault) | | |
| B0076 | Third Row Left Seatbelt Pretensioner Deployment Control (Subfault) | | |
| B0077 | Third Row Center Seatbelt Pretensioner Deployment Control (Subfault) | | |
| B0078 | Third Row Right Seatbelt Pretensioner Deployment Control (Subfault) | | |
| B0079 | Driver Seatbelt Pretensioner "B" Deployment Control (Subfault) | | |
| B007A | Passenger Seatbelt Pretensioner "B" Deployment Control (Subfault) | | |
| B007B | Second Row Left Seatbelt Pretensioner "B" Deployment Control (Subfault) | | |
| B007C | Second Row Right Seatbelt Pretensioner "B" Deployment Control (Subfault) | | |
| B007D | Second Row Center Seatbelt Pretensioner "B" Deployment Control (Subfau | it) | |
| B007E | Driver Seatbelt Pretensioner "C" Deployment Control (Subfault) | | |
| B007F | Passenger Seatbelt Pretensioner "C" Deployment Control (Subfault) | | |
| B0080 | Driver Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0081 | First Row Center Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0082 | Passenger Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0083 | Second Row Left Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0084 | Second Row Center Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0085 | Second Row Right Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0086 B0087 | Third Row Left Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0088 | Third Row Center Seatbelt Load Limiter Deployment Control (Subfault) Third Row Right Seatbelt Load Limiter Deployment Control (Subfault) | | |
| B0089 | ISO/SAE Reserved | | |
| B0089 | ISO/SAE Reserved | | |
| B008B | ISO/SAE Reserved | | |
| B008C | ISO/SAE Reserved | | |
| B008C | ISO/SAE Reserved | | |
| B008E | ISO/SAE Reserved | | |
| B008F | ISO/SAE Reserved | | |
| B0090 | Left Frontal Restraints Sensor (Subfault) | | |
| B0090 | Left Side Restraints Sensor 1 (Subfault) | | |
| B0091 | Left Side Restraints Sensor 2 (Subfault) | | |
| B0092 | Left Side Restraints Sensor 3 (Subfault) | | |
| B0093 | Center Frontal Restraints Sensor (Subfault) | | |
| B0095 | Right Frontal Restraints Sensor (Subfault) | | |
| B0095 | Right Side Restraints Sensor 1 (Subfault) | | |
| B0097 | Pight Side Peetrainte Sensor 2 (Subfault) | | |
| 50001 | Trigiti Side Nestraints Sensor 2 (Subradit) | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|----------|-------------|
| B0098 | Right Side Restraints Sensor 3 (Subfault) | Location | 1 001 11010 |
| B0099 | Roll Over Sensor (Subfault) | | |
| B009A | Left Side Restraints Sensor 4 (Subfault) | | |
| B009B | Left Side Restraints Sensor 5 (Subfault) | | |
| B009C | Left Side Restraints Sensor 6 (Subfault) | | |
| B009D | Right Side Restraints Sensor 4 (Subfault) | | |
| B009E | Right Side Restraints Sensor 5 (Subfault) | | |
| B009E | Right Side Restraints Sensor 6 (Subfault) | | |
| B00A0 | Occupant Classification System (Subfault) | | |
| B00A0 | Occupant Position System (Subfault) | | |
| B00A1 | ISO/SAE Reserved | | |
| B00A2 | ISO/SAE Reserved | | |
| B00A3 | ISO/SAE Reserved | | |
| B00A4 B00A5 | ISO/SAE Reserved | | |
| B00A6 | ISO/SAE Reserved | | |
| B00A7 | ISO/SAE Reserved | | |
| B00A8 | ISO/SAE Reserved | | |
| B00A9 | ISO/SAE Reserved | | |
| B00A9 | ISO/SAE Reserved | | |
| B00AB | ISO/SAE Reserved | | |
| B00AC | ISO/SAE Reserved | | |
| B00AD | ISO/SAE Reserved | | |
| B00AE | ISO/SAE Reserved | | |
| B00AF | ISO/SAE Reserved | | |
| B00B0 | Driver Seat Occupant Classification Sensor "A" (Subfault) | | |
| B00B1 | Driver Seat Occupant Classification Sensor "B" (Subfault) | | |
| B00B2 | Driver Seat Occupant Classification Sensor "C" (Subfault) | | |
| B00B3 | Driver Seat Occupant Classification Sensor "D" (Subfault) | | |
| B00B4 | Driver Seat Occupant Classification Sensor "E" (Subfault) | | |
| B00B5 | Driver Seat Track Position Restraints Sensor (Subfault) | | |
| B00B6 | Driver Seat Recline Position Restraints Sensor (Subfault) | | |
| B00B7 | Driver Seat Occupant Position Sensor "A" (Subfault) | | |
| B00B8 | Driver Seat Occupant Position Sensor "B" (Subfault) | | |
| B00B9 | Driver Seat Occupant Position Sensor "C" (Subfault) | | |
| B00BA | Driver Seat Occupant Position Sensor "D" (Subfault) | | |
| B00BB | Driver Seat Occupant Position Sensor "E" (Subfault) | | |
| B00BC | ISO/SAE Reserved | | |
| B00BD | ISO/SAE Reserved | | |
| B00BE | ISO/SAE Reserved | | |
| B00BF | ISO/SAE Reserved | | |
| B00C0 | Passenger Seat Occupant Classification Sensor "A" (Subfault) | | |
| B00C1 | Passenger Seat Occupant Classification Sensor "B" (Subfault) | | |
| B00C2 | Passenger Seat Occupant Classification Sensor "C" (Subfault) | | |
| B00C3 | Passenger Seat Occupant Classification Sensor "D" (Subfault) | | |
| B00C4 | Passenger Seat Occupant Classification Sensor "E" (Subfault) | | |
| B00C5 | Passenger Seat Track Position Restraints Sensor (Subfault) | | |
| B00C6 | Passenger Seat Recline Position Restraints Sensor (Subfault) | | |
| B00C7 | Passenger Seat Occupant Position Sensor "A" (Subfault) | | |
| B00C8 | Passenger Seat Occupant Position Sensor "B" (Subfault) | | |
| B00C9 | Passenger Seat Occupant Position Sensor "C" (Subfault) | | |
| B00CA | Passenger Seat Occupant Position Sensor "D" (Subfault) | | |
| B00CB | Passenger Seat Occupant Position Sensor "E" (Subfault) | | |
| | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|--------------|--|----------|-----------|
| B00CC | ISO/SAE Reserved | | |
| B00CD | ISO/SAE Reserved | | |
| B00CE | ISO/SAE Reserved | | |
| B00CF | ISO/SAE Reserved | | |
| B00D0 | Driver Seatbelt Indicator (Subfault) | | |
| B00D1 | Passenger Seatbelt Indicator (Subfault) | | |
| B00D2 | Restraint System Malfunction Indicator 1 (Subfault) | | |
| B00D3 | Restraint System Malfunction Indicator 2 (Subfault) | | |
| B00D4 | Restraint System Malfunction Audible Indicator (Subfault) | | |
| B00D5 | Restraint System Passenger Disable Indicator (Subfault) | | |
| B00D6 | ISO/SAE Reserved | | |
| B00D7 | ISO/SAE Reserved | | |
| B00D8 | ISO/SAE Reserved | | |
| B00D9 | ISO/SAE Reserved | | |
| B00DA | ISO/SAE Reserved | | |
| B00DB | ISO/SAE Reserved | | |
| B00DC | ISO/SAE Reserved | | |
| B00DD | ISO/SAE Reserved | | |
| B00DE | ISO/SAE Reserved | | |
| B00DF | Passenger Restraints Disable Switch (Subfault) | | |
| B00E0 | Third Row Left Seatbelt Pretensioner "B" Deployment Control (Subfault) | | |
| B00E1 | Third Row Right Seatbelt Pretensioner "B" Deployment Control (Subfault) | | |
| B00E2 | Third Row Center Seatbelt Pretensioner "B" Deployment Control (Subfault) | | |
| B00E3 | Second Row Left Seatbelt Pretensioner "C" Deployment Control (Subfault) | | |
| B00E4 | Second Row Right Seatbelt Pretensioner "C" Deployment Control (Subfault) | | |
| B00E5 | Second Row Center Seatbelt Pretensioner "C" Deployment Control (Subfau | it) | |
| B00E6 | Third Row Right Seatbelt Pretensioner "C" Deployment Control (Subfault) | | |
| B00E7 | Third Row Left Seatbelt Pretensioner "C" Deployment Control (Subfault) | | |
| B00E8 | Third Row Center Seatbelt Pretensioner "C" Deployment Control (Subfault) | | |
| B00E9 – B0FF | ISO/SAE Reserved | | |

TABLE B2 - B1XXX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| B1000 | Manufacturer Controlled DTC | | |

TABLE B3 - B2XXX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| B2000 | Manufacturer Controlled DTC | | |

TABLE B4 - B3XXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| B3000 | ISO/SAE Reserved | | |

APPENDIX C0 - CHASSIS SYSTEMS

TABLE C1 - C0XXX BRAKES AND TRACTION CONTROL

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| C0000 | ISO/SAE Reserved | | |
| C0001 | TCS Control Channel "A" Valve 1 (Subfault) | | |
| C0002 | TCS Control Channel "A" Valve 2 (Subfault) | | |
| C0003 | TCS Control Channel "B" Valve 1 (Subfault) | | |
| C0004 | TCS Control Channel "B" Valve 2 (Subfault) | | |
| C0005 | ISO/SAE Reserved | | |
| C0006 | ISO/SAE Reserved | | |
| C0007 | ISO/SAE Reserved | | |
| C0008 | ISO/SAE Reserved | | |
| C0009 | ISO/SAE Reserved | | |
| C000A | ISO/SAE Reserved | | |
| C000B | ISO/SAE Reserved | | |
| C000C | ISO/SAE Reserved | | |
| C000D | ISO/SAE Reserved | | |
| C000E | ISO/SAE Reserved | | |
| C000F | ISO/SAE Reserved | | |
| C0010 | Left Front Inlet Control (Subfault) | | |
| C0011 | Left Front Outlet Control (Subfault) | | |
| C0012 | Left Front Hydraulic Release Too Long (Subfault) | | |
| C0013 | ISO/SAE Reserved | | |
| C0014 | Right Front Inlet Control (Subfault) | | |
| C0015 | Right Front Outlet Control (Subfault) | | |
| C0016 | Right Front Hydraulic Release Too Long (Subfault) | | |
| C0017 | ISO/SAE Reserved | | |
| C0018 | Left Rear Inlet Control (Subfault) | | |
| C0019 | Left Rear Outlet Control (Subfault) | | |
| C001A | Left Rear Hydraulic Release Too Long (Subfault) | | |
| C001B | ISO/SAE Reserved | | |
| C001C | Right Rear Inlet Control (Subfault) | | |
| C001D | Right Rear Outlet Control (Subfault) | | |
| C001E | Right Rear Hydraulic Release Too Long (Subfault) | | |
| C001F | ISO/SAE Reserved | | |
| C0020 | ABS Pump Motor Control (Subfault) | | |
| C0021 | Brake Booster Performance (Subfault) | | |
| C0022 | Brake Booster Solenoid (Subfault) | | |
| C0023 | Stop Lamp Control (Subfault) | | |
| C0024 | ISO/SAE Reserved | | |
| C0025 | ISO/SAE Reserved | | |
| C0026 | ISO/SAE Reserved | | |
| C0027 | ISO/SAE Reserved | | |
| C0028 | ISO/SAE Reserved | | |
| C0029 | ISO/SAE Reserved | | |
| C002A | ISO/SAE Reserved | | |
| C002B | ISO/SAE Reserved | | |
| C002C | ISO/SAE Reserved | | |
| C002D | ISO/SAE Reserved | | |
| C002E | ISO/SAE Reserved | | |
| C002F | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| C0030 | Left Front Tone Wheel (Subfault) | | |
| C0031 | Left Front Wheel Speed Sensor (Subfault) | | |
| C0032 | Left Front Wheel Speed Sensor Supply (Subfault) | | |
| C0033 | Right Front Tone Wheel (Subfault) | | |
| C0034 | Right Front Wheel Speed Sensor (Subfault) | | |
| C0035 | Right Front Wheel Speed Sensor Supply (Subfault) | | |
| C0036 | Left Rear Tone Wheel (Subfault) | | |
| C0037 | Left Rear Wheel Speed Sensor (Subfault) | | |
| C0038 | Left Rear Wheel Speed Sensor Supply (Subfault) | | |
| C0039 | Right Rear Tone Wheel (Subfault) | | |
| C003A | Right Rear Wheel Speed Sensor (Subfault) | | |
| C003B | Right Rear Wheel Speed Sensor Supply (Subfault) | | |
| C003C | Rear Tone Wheel (Subfault) | | |
| C003D | Rear Wheel Speed Sensor (Subfault) | | |
| C003E | Rear Wheel Speed Sensor Supply (Subfault) | | |
| C003F | ISO/SAE Reserved | | |
| C0040 | Brake Pedal Switch "A" (Subfault) | | |
| C0041 | Brake Pedal Switch "B" (Subfault) | | |
| C0042 | Brake Pedal Position Sensor "Circuit A" (Subfault) | | |
| C0043 | Brake Pedal Position Sensor "Circuit B" (Subfault) | | |
| C0044 | Brake Pressure Sensor "A" (Subfault) | | |
| C0045 | Brake Pressure Sensor "B" (Subfault) | | |
| C0046 | Brake Pressure Sensor "A"/"B" (Subfault) | | |
| C0047 | Brake Booster Pressure Sensor (Subfault) | | |
| C0048 | Brake Booster Travel Sensor (Subfault) | | |
| C0049 | Brake Fluid (Subfault) | | |
| C004A | Brake Lining Wear Sensor (Subfault) | | |
| C004B | ISO/SAE Reserved | | |
| C004C | ISO/SAE Reserved | | |
| C004D | ISO/SAE Reserved | | |
| C004E | ISO/SAE Reserved | | |
| C004F | ISO/SAE Reserved | | |
| C0050 | ISO/SAE Reserved | | |
| C0051 | Steering Wheel Position Sensor (Subfault) | | |
| C0052 | Steering Wheel Position Sensor "Signal A" (Subfault) | | |
| C0053 | Steering Wheel Position Sensor "Signal B" (Subfault) | | |
| C0054 | Steering Wheel Position Sensor "Signal C" (Subfault) | | |
| C0055 | Steering Wheel Position Sensor "Signal D" (Subfault) | | |
| C0056 | ISO/SAE Reserved | | |
| C0057 | ISO/SAE Reserved | | |
| C0058 | ISO/SAE Reserved | | |
| C0059 | ISO/SAE Reserved | | |
| C005A | ISO/SAE Reserved | | |
| C005B | ISO/SAE Reserved | | |
| C005C | ISO/SAE Reserved | | |
| C005D | ISO/SAE Reserved | | |
| C005E | ISO/SAE Reserved | | |
| C005F | ISO/SAE Reserved | | |
| C0060 | ISO/SAE Reserved | | |
| C0061 | Lateral Acceleration Sensor (Subfault) | | |
| C0062 | Longitudinal Acceleration Sensor (Subfault) | | |
| C0063 | Yaw Rate Sensor (Subfault) | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-------------|
| C0064 | Roll Rate Sensor | | 1 001 11010 |
| C0065 | ISO/SAE Reserved | | |
| C0066 | ISO/SAE Reserved | | |
| C0067 | ISO/SAE Reserved | | |
| C0068 | ISO/SAE Reserved | | |
| C0069 | Yaw Rate/Longitude Sensors (Subfault) | | |
| C006A | Multi-axis Acceleration Sensor (Subfault) | | |
| C006B | Stability System Active Too Long (Subfault) | | |
| C006C | Stability System | | |
| C006D | ISO/SAE Reserved | | |
| C006E | ISO/SAE Reserved | | |
| C006F | ISO/SAE Reserved | | |
| C0070 | ISO/SAE Reserved | | |
| C0071 | 2/4 Wheel Drive Status Input (Subfault) | | |
| C0072 | Brake Temperature Too High (Subfault) | | |
| C0073 | Delivered Driving Torque (Subfault) | | |
| C0074 | Requested Driving Torque (Subfault) | | |
| C0075 | Extended Brake Pedal Travel, output to PCM (Subfault | t) | |
| C0076 | PWM for Traction Control (Subfault) | | |
| C0077 | Low Tire Pressure (Subfault) | | |
| C0078 | Tire Diameter (Subfault) | | |
| C0079 | Variable Effort Steering (Subfault) | | |
| C007A | ISO/SAE Reserved | | |
| C007B | ISO/SAE Reserved | | |
| C007C | ISO/SAE Reserved | | |
| C007D | ISO/SAE Reserved | | |
| C007E | ISO/SAE Reserved | | |
| C007F | ISO/SAE Reserved | | |
| C0080 | ISO/SAE Reserved | | |
| C0081 | ABS Malfunction Indicator (Subfault) | | |
| C0082 | Brake System Malfunction Indicator (Subfault) | | |
| C0083 | Tire Pressure Monitor Malfunction Indicator (Subfault) | | |
| C0084 | Traction Active Indicator (Subfault) | | |
| C0085 | Traction Disable Indicator (Subfault) | | |
| C0086 | Vehicle Dynamics Indicator (Subfault) | | |
| C0087 | ISO/SAE Reserved | | |
| C0088 | ISO/SAE Reserved | | |
| C0089 | TCS Disable Switch (Subfault) | | |
| C008A | TCS Mode Control (Subfault) | | |
| C008B – C0FFF | ISO/SAE Reserved | | |

TABLE C2 - C1XXX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| C1000 | Manufacturer Controlled DTC | | |

TABLE C3 - C2XXX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| C2000 | Manufacturer Controlled DTC | | |

TABLE C4 - C3XXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| C3000 | ISO/SAE Reserved | | |

APPENDIX D0 - POWERTRAIN SYSTEMS

TABLE D1 - P00XX FUEL AND AIR METERING

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------------|-----------|
| P0000 | ISO/SAE Reserved | | |
| 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 | |
| P000A | "A" Camshaft Position Slow Response | Bank 1 | а |
| P000B | "B" Camshaft Position Slow Response | Bank 1 | b |
| P000C | "A" Camshaft Position Slow Response | Bank 2 | а |
| P000D | "B" Camshaft Position Slow Response | Bank 2 | b |
| P000E | Fuel Volume Regulator Control Exceeded Learning Limit | | |
| P000F | Fuel System Over Pressure Relief Valve Activated | | |
| P0010 | "A" Camshaft Position Actuator Circuit/Open | Bank 1 | а |
| P0011 | "A" Camshaft Position - Timing Over-Advanced or System | Bank 1 | а |
| | Performance | | |
| P0012 | "A" Camshaft Position - Timing Over-Retarded | Bank 1 | а |
| P0013 | "B" Camshaft Position - Actuator Circuit/Open | Bank 1 | b |
| P0014 | "B" Camshaft Position - Timing Over-Advanced or System | Bank 1 | b |
| | Performance | | |
| P0015 | "B" Camshaft Position - Timing Over-Retarded | Bank 1 | b |
| P0016 | Crankshaft Position - Camshaft Position Correlation | Bank 1 Sensor A | |
| P0017 | Crankshaft Position - Camshaft Position Correlation | Bank 1 Sensor B | |
| P0018 | Crankshaft Position - Camshaft Position Correlation | Bank 2 Sensor A | |
| P0019 | Crankshaft Position - Camshaft Position Correlation | Bank 2 Sensor B | |
| P001A | "A" Camshaft Profile Control Circuit/Open | Bank 1 | a |
| P001B | "A" Camshaft Profile Control Circuit Low | Bank 1 | a |
| P001C | "A" Camshaft Profile Control Circuit High | Bank 1 | a |
| P001D | "A" Camshaft Profile Control Circuit/Open | Bank 2 | a |
| P001E | "A" Camshaft Profile Control Circuit Low | Bank 2 | a |
| P001F | "A" Camshaft Profile Control Circuit High | Bank 2 | a |
| P0020 | "A" Camshaft Position Actuator Circuit/Open | Bank 2 | a |
| P0021 | "A" Camshaft Position - Timing Over-Advanced or System | Bank 2 | a |
| | Performance | | |
| P0022 | "A" Camshaft Position - Timing Over-Retarded | Bank 2 | a |
| P0023 | "B" Camshaft Position - Actuator Circuit/Open | Bank 2 | b |
| P0024 | "B" Camshaft Position - Timing Over-Advanced or System | Bank 2 | b |
| DOOGE | Performance | Davids O | |
| P0025 | "B" Camshaft Position - Timing Over-Retarded | Bank 2 | b |
| P0026 | Intake Valve Control Solenoid Circuit Range/Performance | Bank 1 | |
| P0027 | Exhaust Valve Control Solenoid Circuit Range/Performance | Bank 1 | |
| P0028 | Intake Valve Control Solenoid Circuit Range/Performance | Bank 2 | |
| P0029 | Exhaust Valve Control Solenoid Circuit Range/Performance | Bank 2 | |
| P002A | "B" Camshaft Profile Control Circuit/Open | Bank 1 | b |
| P002B | "B" Camshaft Profile Control Circuit Low | Bank 1 | b |
| P002C | "B" Camshaft Profile Control Circuit High | Bank 1 | b |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|------------------|-----------|
| P002D | "B" Camshaft Profile Control Circuit/Open | Bank 2 | b |
| P002E | "B" Camshaft Profile Control Circuit Low | Bank 2 | b |
| P002F | "B" Camshaft Profile Control Circuit High | Bank 2 | b |
| P0030 | HO2S Heater Control Circuit | Bank 1 Sensor 1 | ~ |
| P0031 | HO2S Heater Control Circuit Low | Bank 1 Sensor 1 | |
| P0032 | HO2S Heater Control Circuit High | Bank 1 Sensor 1 | |
| P0033 | Turbocharger/Supercharger Bypass Valve Control Circuit | Barne i Concor i | |
| P0034 | Turbocharger/Supercharger Bypass Valve Control Circuit Low | | |
| P0035 | Turbocharger/Supercharger Bypass Valve Control Circuit High | | |
| P0036 | HO2S Heater Control Circuit | Bank 1 Sensor 2 | |
| P0037 | HO2S Heater Control Circuit Low | Bank 1 Sensor 2 | |
| P0038 | HO2S Heater Control Circuit High | Bank 1 Sensor 2 | |
| P0039 | Turbocharger/Supercharger Bypass Valve Control Circuit | Barik 1 Oction 2 | |
| 1 0000 | Range/Performance | | |
| P003A | Turbocharger/Supercharger Boost Control "A" Position Exceeded | | |
| P003B | Learning Limit Turbocharger/Supercharger Boost Control "B" Position Exceeded | | |
| | Learning Limit | | |
| P003C | "A" Camshaft Profile Control Performance/Stuck Off | Bank 1 | |
| P003D | "A" Camshaft Profile Control Stuck On | Bank 1 | |
| P003E | "A" Camshaft Profile Control Performance/Stuck Off | Bank 2 | |
| P003F | "A" Camshaft Profile Control Stuck On | Bank 2 | |
| P0040 | O2 Sensor Signals Swapped Bank 1 Sensor 1/Bank 2 Sensor 1 | | |
| P0041 | O2 Sensor Signals Swapped Bank 1 Sensor 2/Bank 2 Sensor 2 | | |
| P0042 | HO2S Heater Control Circuit | Bank 1 Sensor 3 | |
| P0043 | HO2S Heater Control Circuit Low | Bank 1 Sensor 3 | |
| P0044 | HO2S Heater Control Circuit High | Bank 1 Sensor 3 | |
| P0045 | Turbocharger/Supercharger Boost Control "A" Circuit/Open | | |
| P0046 | Turbocharger/Supercharger Boost Control "A" Circuit Range/Performance | | |
| P0047 | Turbocharger/Supercharger Boost Control "A" Circuit Low | | |
| P0048 | Turbocharger/Supercharger Boost Control "A" Circuit High | | |
| P0049 | Turbocharger/Supercharger Turbine Overspeed | | |
| P004A | Turbocharger/Supercharger Boost Control "B" Circuit/Open | | |
| P004B | Turbocharger/Supercharger Boost Control "B" Circuit | | |
| | Range/Performance | | |
| P004C | Turbocharger/Supercharger Boost Control "B" Circuit Low | | |
| P004D | Turbocharger/Supercharger Boost Control "B" Circuit High | | |
| P004E | Turbocharger/Supercharger Boost Control "A" Circuit | | |
| P004F | Intermittent/Erratic Turbocharger/Supercharger Boost Control "B" Circuit | | |
| | Intermittent/Erratic | | |
| P0050 | HO2S Heater Control Circuit | Bank 2 Sensor 1 | |
| P0051 | HO2S Heater Control Circuit Low | Bank 2 Sensor 1 | |
| P0052 | HO2S Heater Control Circuit High | Bank 2 Sensor 1 | |
| P0053 | HO2S Heater Resistance | Bank 1 Sensor 1 | |
| P0054 | HO2S Heater Resistance | Bank 1 Sensor 2 | |
| P0055 | HO2S Heater Resistance | Bank 1 Sensor 3 | |
| P0056 | HO2S Heater Control Circuit | Bank 2 Sensor 2 | |
| P0057 | HO2S Heater Control Circuit Low | Bank 2 Sensor 2 | |
| P0058 | HO2S Heater Control Circuit High | Bank 2 Sensor 2 | |
| P0059 | HO2S Heater Resistance | Bank 2 Sensor 1 | |
| P005A | "B" Camshaft Profile Control Performance/Stuck Off | Bank 1 | b |
| P005B | "B" Camshaft Profile Control Stuck On | Bank 1 | b |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|-----------------|-----------|
| P005C | "B" Camshaft Profile Control Performance/Stuck Off | Bank 2 | b |
| P005C P005D | "B" Camshaft Profile Control Stuck On | Bank 2 | |
| P005D P005E | Turbocharger/Supercharger Boost Control "B" Supply Voltage | Dalik Z | b |
| FUUSE | Circuit Low | | |
| P005F | Turbocharger/Supercharger Boost Control "B" Supply Voltage | | |
| 1 0001 | Circuit High | | |
| P0060 | HO2S Heater Resistance | Bank 2 Sensor 2 | |
| P0061 | HO2S Heater Resistance | Bank 2 Sensor 3 | |
| P0062 | HO2S Heater Control Circuit | Bank 2 Sensor 3 | |
| P0063 | HO2S Heater Control Circuit Low | Bank 2 Sensor 3 | |
| P0064 | HO2S Heater Control Circuit High | Bank 2 Sensor 3 | |
| P0065 | Air Assisted Injector Control Range/Performance | | |
| P0066 | Air Assisted Injector Control Circuit or Circuit Low | | |
| P0067 | Air Assisted Injector Control Circuit High | | |
| P0068 | MAP/MAF - Throttle Position Correlation | | |
| P0069 | Manifold Absolute Pressure - Barometric Pressure Correlation | | |
| P006A | MAP - Mass or Volume Air Flow Correlation | Bank 1 | |
| P006B | MAP - Exhaust Pressure Correlation | Danik i | |
| P006C | MAP - Turbocharger/Supercharger Inlet Pressure Correlation | | |
| P006D | Barometric Pressure - Turbocharger/Supercharger Inlet Pressure | | |
| 1 | Correlation | | |
| P006E | Turbocharger/Supercharger Boost Control "A" Supply Voltage | | |
| 활 | Circuit Low | | |
| P006F | Turbocharger/Supercharger Boost Control "A" Supply Voltage | | |
| | Circuit High | | |
| P0070 | Ambient Air Temperature Sensor Circuit | | |
| P0071 | Ambient Air Temperature Sensor Range/Performance | | |
| P0072 | Ambient Air Temperature Sensor Circuit Low | | |
| P0073 | Ambient Air Temperature Sensor Circuit High | | |
| P0074 | Ambient Air Temperature Sensor Circuit Intermittent | | |
| P0075 | Intake Valve Control Solenoid Circuit | Bank 1 | |
| P0076 | Intake Valve Control Solenoid Circuit Low | Bank 1 | |
| P0077 | Intake Valve Control Solenoid Circuit High | Bank 1 | |
| P0078 | Exhaust Valve Control Solenoid Circuit | Bank 1 | |
| P0079 | Exhaust Valve Control Solenoid Circuit Low | Bank 1 | |
| P007A | Charge Air Cooler Temperature Sensor Circuit | Bank 1 | |
| P007B | Charge Air Cooler Temperature Sensor Circuit | Bank 1 | |
| D007C | Range/Performance | Dank 1 | |
| P007C | Charge Air Cooler Temperature Sensor Circuit Low | Bank 1 | |
| P007D | Charge Air Cooler Temperature Sensor Circuit High | Bank 1 | |
| P007E | Charge Air Cooler Temperature Sensor Circuit Intermittent/Erratic | Bank 1 | |
| P007F | Charge Air Cooler Temperature Sensor Bank1/Bank2 Correlation | Donk 1 | |
| P0080 | Exhaust Valve Control Solenoid Circuit High | Bank 1 | |
| P0081 | Intake Valve Control Solenoid Circuit | Bank 2 | |
| P0082 | Intake Valve Control Solenoid Circuit Low | Bank 2 | |
| P0083 | Intake Valve Control Solenoid Circuit High | Bank 2 | |
| P0084 | Exhaust Valve Control Solenoid Circuit | Bank 2 | |
| P0085 | Exhaust Valve Control Solenoid Circuit Low | Bank 2 | |
| P0086 | Exhaust Valve Control Solenoid Circuit High | Bank 2 | |
| P0087 | Fuel Rail/System Pressure - Too Low | | |
| P0088 | Fuel Rail/System Pressure - Too High | | |
| P0089 | Fuel Pressure Regulator 1 Performance | | |
| P008A | Low Pressure Fuel System Pressure - Too Low | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P008B | Low Pressure Fuel System Pressure - Too High | | |
| P008C | Fuel Cooler Pump Control Circuit/Open | | |
| P008D | Fuel Cooler Pump Control Circuit Low | | |
| P008E | Fuel Cooler Pump Control Circuit High | | |
| P008F | Engine Coolant Temperature/Fuel Temperature Correlation | | |
| P0090 | Fuel Pressure Regulator 1 Control Circuit/Open | | |
| P0091 | Fuel Pressure Regulator 1 Control Circuit Low | | |
| P0092 | Fuel Pressure Regulator 1 Control Circuit High | | |
| P0093 | Fuel System Leak Detected - Large Leak | | |
| P0094 | Fuel System Leak Detected - Small Leak | | |
| P0095 | Intake Air Temperature Sensor 2 Circuit | Bank 1 | |
| P0096 | Intake Air Temperature Sensor 2 Circuit Range/Performance | Bank 1 | |
| P0097 | Intake Air Temperature Sensor 2 Circuit Low | Bank 1 | |
| P0098 | Intake Air Temperature Sensor 2 Circuit High | Bank 1 | |
| P0099 | Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic | Bank 1 | |
| P009A | Intake Air Temperature/Ambient Air Temperature Correlation | | |
| P009B | Fuel Pressure Relief Control Circuit/Open | | |
| P009C | Fuel Pressure Relief Control Circuit Low | | |
| P009D | Fuel Pressure Relief Control Circuit High | | |
| P009E | Fuel Pressure Relief Control Performance/Stuck Off | | |
| P009F | Fuel Pressure Relief Control Stuck On | | |
| P00A0 | Charge Air Cooler Temperature Sensor Circuit | Bank 2 | |
| P00A1 | Charge Air Cooler Temperature Sensor Circuit | Bank 2 | |
| l, | Range/Performance | | |
| P00A2 | Charge Air Cooler Temperature Sensor Circuit Low | Bank 2 | |
| P00A3 | Charge Air Cooler Temperature Sensor Circuit High | Bank 2 | |
| P00A4 | Charge Air Cooler Temperature Sensor Circuit Intermittent/Erratic | Bank 2 | |
| P00A5 | Intake Air Temperature Sensor 2 Circuit | Bank 2 | |
| P00A6 | Intake Air Temperature Sensor 2 Circuit Range/Performance | Bank 2 | |
| P00A7 | Intake Air Temperature Sensor 2 Circuit Low | Bank 2 | |
| P00A8 | Intake Air Temperature Sensor 2 Circuit High | Bank 2 | |
| P00A9 | Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic | Bank 2 | |
| P00AA | Intake Air Temperature Sensor 1 Circuit | Bank 2 | |
| P00AB | Intake Air Temperature Sensor 1 Circuit Range/Performance | Bank 2 | |
| P00AC | Intake Air Temperature Sensor 1 Circuit Low | Bank 2 | |
| P00AD | Intake Air Temperature Sensor 1 Circuit High | Bank 2 | |
| P00AE | Intake Air Temperature Sensor 1 Circuit Intermittent | Bank 2 | |
| P00AF | Turbocharger/Supercharger Boost Control "A" Module Performance | | |
| P00B0 | Turbocharger/Supercharger Boost Control "B" Module Performance | | |
| P00B1 | Radiator Coolant Temperature Sensor Circuit | | |
| P00B2 | Radiator Coolant Temperature Sensor Circuit Range/Performance | | |
| P00B3 | Radiator Coolant Temperature Sensor Circuit Low | | |
| P00B4 | Radiator Coolant Temperature Sensor Circuit High | | |
| P00B5 | Radiator Coolant Temperature Sensor Circuit Intermittent/Erratic | | |
| P00B6 | Radiator Coolant Temperature/Engine Coolant Temperature Correlation | | |
| P00B7 | Engine Coolant Flow Low/Performance | | |
| P00B8 | MAP - Mass or Volume Air Flow Correlation | Bank 2 | |
| P00B9 | Low Pressure Fuel System Pressure - Too Low, Low Ambient Temperature | | |
| P00BA | Low Fuel Pressure - Forced Limited Power | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|-----------|
| P00BB | Fuel Injector Insufficient Flow - Forced Limited Power | | _ |
| P00BC | Mass or Volume Air Flow "A" Circuit Range/Performance - Air Flow Too Low | | |
| P00BD | Mass or Volume Air Flow "A" Circuit Range/Performance - Air Flow Too High | | |
| P00BE | Mass or Volume Air Flow "B" Circuit Range/Performance - Air Flow Too Low | | |
| P00BF | Mass or Volume Air Flow "B" Circuit Range/Performance - Air Flow Too High | | |
| P00C0 - P00FF | ISO/SAF Reserved | | |

- a) The "A" camshaft shall be either the "intake," "left," or "front" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.
- b) The "B" camshaft shall be either the "exhaust," "right," or "rear" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.

TABLE D2 - P01XX FUEL AND AIR METERING

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0100 | Mass or Volume Air Flow "A" Circuit | | |
| P0101 | Mass or Volume Air Flow "A" Circuit Range/Performance | | |
| P0102 | Mass or Volume Air Flow "A" Circuit Low | | |
| P0103 | Mass or Volume Air Flow "A" Circuit High | | |
| P0104 | Mass or Volume Air Flow "A" Circuit Intermittent | | |
| P0105 | Manifold Absolute Pressure/Barometric Pressure Circuit | | |
| P0106 | Manifold Absolute Pressure/Barometric Pressure Circuit | | |
| | Range/Performance | | |
| P0107 | Manifold Absolute Pressure/Barometric Pressure Circuit Low | | |
| P0108 | Manifold Absolute Pressure/Barometric Pressure Circuit High | | |
| P0109 | Manifold Absolute Pressure/Barometric Pressure Circuit Intermittent | | |
| P010A | Mass or Volume Air Flow "B" Circuit | | |
| P010B | Mass or Volume Air Flow "B" Circuit Range/Performance | | |
| P010C | Mass or Volume Air Flow "B" Circuit Low | | |
| P010D | Mass or Volume Air Flow "B" Circuit High | | |
| P010E | Mass or Volume Air Flow "B" Circuit Intermittent/Erratic | | |
| P010F | Mass or Volume Air Flow Sensor A/B Correlation | | |
| P0110 | Intake Air Temperature Sensor 1 Circuit | Bank 1 | |
| P0111 | Intake Air Temperature Sensor 1 Circuit Range/Performance | Bank 1 | |
| P0112 | Intake Air Temperature Sensor 1 Circuit Low | Bank 1 | |
| P0113 | Intake Air Temperature Sensor 1 Circuit High | Bank 1 | |
| P0114 | Intake Air Temperature Sensor 1 Circuit Intermittent | Bank 1 | |
| P0115 | Engine Coolant Temperature Sensor 1 Circuit | | |
| P0116 | Engine Coolant Temperature Sensor 1 Circuit Range/Performance | | |
| P0117 | Engine Coolant Temperature Sensor 1 Circuit Low | | |
| P0118 | Engine Coolant Temperature Sensor 1 Circuit High | | |
| P0119 | Engine Coolant Temperature Sensor 1 Circuit Intermittent | | |
| P011A | Engine Coolant Temperature Sensor 1/2 Correlation | | |
| P011B | Engine Coolant Temperature/Intake Air Temperature Correlation | | |
| P011C | Charge Air Temperature/Intake Air Temperature Correlation | Bank 1 | |
| P011D | Charge Air Temperature/Intake Air Temperature Correlation | Bank 2 | |
| P011E | ISO/SAE Reserved | | |
| P011F | ISO/SAE Reserved | | |
| P0120 | Throttle/Pedal Position Sensor/Switch "A" Circuit | | |
| P0121 | Throttle/Pedal Position Sensor/Switch "A" Circuit | | |
| | Range/Performance | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|---------------------------------|-------------|
| P0122 | Throttle/Pedal Position Sensor/Switch "A" Circuit Low | | . 031 11010 |
| P0123 | Throttle/Pedal Position Sensor/Switch "A" Circuit High | | |
| P0124 | Throttle/Pedal Position Sensor/Switch "A" Circuit Intermittent | | |
| P0125 | Insufficient Coolant Temperature for Closed Loop Fuel Control | | |
| P0126 | Insufficient Coolant Temperature for Stable Operation | | |
| P0127 | Intake Air Temperature Too High | | |
| P0128 | Coolant Thermostat (Coolant Temperature Below Thermostat | | |
| 1 0120 | Regulating Temperature) | | |
| P0129 | Barometric Pressure Too Low | | |
| P012A | Turbocharger/Supercharger Inlet Pressure Sensor Circuit | Downstream of | |
| . • . = | . a. a. a. a. g a. a. g | throttle valve | |
| P012B | Turbocharger/Supercharger Inlet Pressure Sensor Circuit | Downstream of | |
| | Range/Performance | throttle valve | |
| P012C | Turbocharger/Supercharger Inlet Pressure Sensor Circuit Low | Downstream of | |
| | | throttle valve | |
| P012D | Turbocharger/Supercharger Inlet Pressure Sensor Circuit High | Downstream of | J. |
| D040E | Turk ask area (Cura arek area halat Danasura Caraca Ciravit | throttle valve | |
| P012E | Turbocharger/Supercharger Inlet Pressure Sensor Circuit Intermittent/Erratic | Downstream of throttle valve |) 3 |
| P012F | ISO/SAE Reserved | unoute valve | |
| P0130 | O2 Sensor Circuit | Bank 1 Sensor 1 | į |
| P0131 | O2 Sensor Circuit Low Voltage | Bank 1 Sensor 1 | |
| P0132 | O2 Sensor Circuit High Voltage | Bank 1 Sensor 1 | į. |
| P0133 | O2 Sensor Circuit Slow Response | Bank 1 Sensor 1 | |
| P0134 | O2 Sensor Circuit No Activity Detected | Bank 1 Sensor 1 | |
| P0134 | O2 Sensor Heater Circuit | Bank 1 Sensor 1 | |
| P0136 | O2 Sensor Circuit | Bank 1 Sensor 2 | |
| P0137 | O2 Sensor Circuit Low Voltage | Bank 1 Sensor 2 | |
| P0138 | O2 Sensor Circuit High Voltage | Bank 1 Sensor 2 | |
| P0139 | O2 Sensor Circuit Slow Response | Bank 1 Sensor 2 | |
| P013A | O2 Sensor Slow Response - Rich to Lean | Bank 1 Sensor 2 | |
| P013B | O2 Sensor Slow Response - Lean to Rich | Bank 1 Sensor 2 | |
| P013C | O2 Sensor Slow Response - Rich to Lean | Bank 2 Sensor 2 | |
| P013D | O2 Sensor Slow Response - Lean to Rich | Bank 2 Sensor 2 | |
| P013E | O2 Sensor Delayed Response - Rich to Lean | Bank 1 Sensor 2 | |
| P013F | O2 Sensor Delayed Response - Lean to Rich | Bank 1 Sensor 2 | |
| P0140 | O2 Sensor Circuit No Activity Detected | Bank 1 Sensor 2 | |
| P0141 | O2 Sensor Heater Circuit | Bank 1 Sensor 2 | |
| P0141 | O2 Sensor Circuit | Bank 1 Sensor 3 | |
| P0142 | O2 Sensor Circuit Low Voltage | Bank 1 Sensor 3 | |
| P0144 | O2 Sensor Circuit High Voltage | Bank 1 Sensor 3 | |
| P0145 | O2 Sensor Circuit Slow Response | Bank 1 Sensor 3 | |
| P0146 | O2 Sensor Circuit No Activity Detected | Bank 1 Sensor 3 | |
| P0147 | O2 Sensor Heater Circuit | Bank 1 Sensor 3 | |
| P0148 | Fuel Delivery Error | Dank i Gensoi S | |
| P0149 | Fuel Timing Error | | |
| P014A | O2 Sensor Delayed Response - Rich to Lean | Bank 2 Sensor 2 | |
| P014A P014B | O2 Sensor Delayed Response - Lean to Rich | Bank 2 Sensor 2 | |
| P014B P014C | O2 Sensor Slow Response - Rich to Lean | Bank 1 Sensor 1 | |
| P014C P014D | O2 Sensor Slow Response - Lean to Rich | Bank 1 Sensor 1 | |
| P014E | | Bank 2 Sensor 1 | |
| | O2 Sensor Slow Response - Rich to Lean | Bank 2 Sensor 1 | |
| P014F | O2 Sensor Circuit | | |
| P0150 | O2 Sensor Circuit | Bank 2 Sensor 1 | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|-----------------|-----------|
| P0151 | O2 Sensor Circuit Low Voltage | Bank 2 Sensor 1 | |
| P0152 | O2 Sensor Circuit High Voltage | Bank 2 Sensor 1 | |
| P0153 | O2 Sensor Circuit Slow Response | Bank 2 Sensor 1 | |
| P0154 | O2 Sensor Circuit No Activity Detected | Bank 2 Sensor 1 | |
| P0155 | O2 Sensor Heater Circuit | Bank 2 Sensor 1 | |
| P0156 | O2 Sensor Circuit | Bank 2 Sensor 2 | |
| P0157 | O2 Sensor Circuit Low Voltage | Bank 2 Sensor 2 | |
| P0158 | O2 Sensor Circuit High Voltage | Bank 2 Sensor 2 | |
| P0159 | O2 Sensor Circuit Slow Response | Bank 2 Sensor 2 | |
| P0159 P015A | O2 Sensor Delayed Response - Rich to Lean | Bank 1 Sensor 1 | |
| P015A P015B | · | Bank 1 Sensor 1 | |
| | O2 Sensor Delayed Response - Lean to Rich | Bank 2 Sensor 1 | |
| P015C | O2 Sensor Delayed Response - Rich to Lean | | |
| P015D | O2 Sensor Delayed Response - Lean to Rich | Bank 2 Sensor 1 | |
| P015E | ISO/SAE Reserved | | |
| P015F | ISO/SAE Reserved | D 100 | |
| P0160 | O2 Sensor Circuit No Activity Detected | Bank 2 Sensor 2 | |
| P0161 | O2 Sensor Heater Circuit | Bank 2 Sensor 2 | |
| P0162 | O2 Sensor Circuit | Bank 2 Sensor 3 | |
| P0163 | O2 Sensor Circuit Low Voltage | Bank 2 Sensor 3 | |
| P0164 | O2 Sensor Circuit High Voltage | Bank 2 Sensor 3 | |
| P0165 | O2 Sensor Circuit Slow Response | Bank 2 Sensor 3 | |
| P0166 | O2 Sensor Circuit No Activity Detected | Bank 2 Sensor 3 | |
| P0167 | O2 Sensor Heater Circuit | Bank 2 Sensor 3 | |
| P0168 | Fuel Temperature Too High | | |
| P0169 | Incorrect Fuel Composition | | |
| P016A | ISO/SAE Reserved | | |
| P016B | ISO/SAE Reserved | | |
| P016C | ISO/SAE Reserved | | |
| P016D | ISO/SAE Reserved | | |
| P016E | ISO/SAE Reserved | | |
| P016F | ISO/SAE Reserved | | |
| P0170 | Fuel Trim | Bank 1 | |
| P0171 | System Too Lean | Bank 1 | |
| P0172 | System Too Rich | Bank 1 | |
| P0173 | Fuel Trim | Bank 2 | |
| P0174 | System Too Lean | Bank 2 | |
| P0175 | System Too Rich | Bank 2 | |
| P0176 | Fuel Composition Sensor Circuit | _ 5 | |
| P0177 | Fuel Composition Sensor Circuit Range/Performance | | |
| P0178 | Fuel Composition Sensor Circuit Low | | |
| P0179 | Fuel Composition Sensor Circuit High | | |
| P017A | ISO/SAE Reserved | | |
| P01/7B | ISO/SAE Reserved | | |
| P017C | ISO/SAE Reserved | | |
| P017D | ISO/SAE Reserved | | |
| P017E | ISO/SAE Reserved | | |
| P017E | ISO/SAE Reserved | | |
| 7 | | | |
| P0180 | Fuel Temperature Sensor "A" Circuit | | |
| P0181 | Fuel Temperature Sensor "A" Circuit Range/Performance | | |
| P0182 | Fuel Temperature Sensor "A" Circuit Low | | |
| P0183 | Fuel Temperature Sensor "A" Circuit High | | |
| P0184 | Fuel Temperature Sensor "A" Circuit Intermittent | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P0185 | Fuel Temperature Sensor "B" Circuit | | |
| P0186 | Fuel Temperature Sensor "B" Circuit Range/Performance | | |
| P0187 | Fuel Temperature Sensor "B" Circuit Low | | |
| P0188 | Fuel Temperature Sensor "B" Circuit High | | |
| P0189 | Fuel Temperature Sensor "B" Circuit Intermittent | | |
| P018A | Fuel Pressure Sensor "B" Circuit | | |
| P018B | Fuel Pressure Sensor "B" Circuit Range/Performance | | |
| P018C | Fuel Pressure Sensor "B" Circuit Low | | |
| P018D | Fuel Pressure Sensor "B" Circuit High | | |
| P018E | Fuel Pressure Sensor "B" Circuit Intermittent/Erratic | | |
| P018F | Fuel System Over Pressure Relief Valve Frequent Activation | | |
| P0190 | Fuel Rail Pressure Sensor "A" Circuit | | |
| P0191 | Fuel Rail Pressure Sensor "A" Circuit Range/Performance | | |
| P0192 | Fuel Rail Pressure Sensor "A" Circuit Low | | |
| P0193 | Fuel Rail Pressure Sensor "A" Circuit High | | |
| P0194 | Fuel Rail Pressure Sensor "A" Circuit Intermittent/Erratic | | |
| P0195 | Engine Oil Temperature Sensor Circuit | | |
| P0196 | Engine Oil Temperature Sensor Range/Performance | | |
| P0197 | Engine Oil Temperature Sensor Circuit Low | | |
| P0198 | Engine Oil Temperature Sensor Circuit High | | |
| P0199 | Engine Oil Temperature Sensor Circuit Intermittent/Erratic | | |
| P019A – P01FF | ISO/SAE Reserved | | |

TABLE D3 - P02XX FUEL AND AIR METERING

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| 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 | | |
| P020A | Cylinder 1 Injection Timing | | |
| P020B | Cylinder 2 Injection Timing | | |
| P020C | Cylinder 3 Injection Timing | | |
| P020D | Cylinder 4 Injection Timing | | |
| P020E | Cylinder 5 Injection Timing | | |
| P020F | Cylinder 6 Injection Timing | | |
| P0210 | Injector Circuit/Open - Cylinder 10 | | |
| P0211 | Injector Circuit/Open - Cylinder 11 | | |
| P0212 | Injector Circuit/Open - Cylinder 12 | | |
| P0213 | Cold Start Injector 1 | | |
| P0214 | Cold Start Injector 2 | | |
| P0215 | Engine Shutoff Solenoid | | |
| P0216 | Injector/Injection Timing Control Circuit | | |
| P0217 | Engine Coolant Over Temperature Condition | | |
| P0218 | Transmission Fluid Over Temperature Condition | | |
| P0219 | Engine Overspeed Condition | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|----------|-----------|
| P021A | Cylinder 7 Injection Timing | | |
| P021B | Cylinder 8 Injection Timing | | |
| P021C | Cylinder 9 Injection Timing | | |
| P021D | Cylinder 10 Injection Timing | | |
| P021E | Cylinder 11 Injection Timing | | |
| P021F | Cylinder 12 Injection Timing | | |
| P0220 | Throttle/Pedal Position Sensor/Switch "B" Circuit | | |
| P0221 | Throttle/Pedal Position Sensor/Switch "B" Circuit | | |
| | Range/Performance | | |
| P0222 | Throttle/Pedal Position Sensor/Switch "B" Circuit Low | | |
| P0223 | Throttle/Pedal Position Sensor/Switch "B" Circuit High | | |
| P0224 | Throttle/Pedal Position Sensor/Switch "B" Circuit Intermittent | | |
| P0225 | Throttle/Pedal Position Sensor/Switch "C" Circuit | | |
| P0226 | Throttle/Pedal Position Sensor/Switch "C" Circuit | | |
| | Range/Performance | | |
| P0227 | Throttle/Pedal Position Sensor/Switch "C" Circuit Low | | |
| P0228 | Throttle/Pedal Position Sensor/Switch "C" Circuit High | | |
| P0229 | Throttle/Pedal Position Sensor/Switch "C" Circuit Intermittent | | |
| P022A | Charge Air Cooler Bypass Control "A" Circuit /Open | | |
| P022B | Charge Air Cooler Bypass Control "A" Circuit Low | | |
| P022C | Charge Air Cooler Bypass Control "A" Circuit High | | |
| P022D | Charge Air Cooler Bypass Control "B" Circuit /Open | | |
| P022É | Charge Air Cooler Bypass Control "B" Circuit Low | | |
| P022F P0230 | Charge Air Cooler Bypass Control "B" Circuit High | | |
| P0230 P0231 | Fuel Pump Secondary Circuit Low | | |
| P0231 P0232 | Fuel Pump Secondary Circuit Low Fuel Pump Secondary Circuit High | | |
| P0232 P0233 | Fuel Pump Secondary Circuit Ingri Fuel Pump Secondary Circuit Intermittent | | |
| P0234 | Turbocharger/Supercharger "A" Overboost Condition | | |
| P0235 | Turbocharger/Supercharger Boost Sensor "A" Circuit | | |
| P0236 | Turbocharger/Supercharger Boost Sensor "A" Circuit | | |
| 1 0200 | Range/Performance | | |
| P0237 | Turbocharger/Supercharger Boost Sensor "A" Circuit Low | | |
| P0238 | Turbocharger/Supercharger Boost Sensor "A" Circuit High | | |
| P0239 | Turbocharger/Supercharger Boost Sensor "B" Circuit | | |
| P023A | Charge Air Cooler Coolant Pump Control Circuit/Open | | |
| P023B | Charge Air Cooler Coolant Pump Control Circuit Low | | |
| P023C | Charge Air Cooler Coolant Pump Control Circuit High | | |
| P023D | Manifold Absolute Pressure - Turbocharger/Supercharger Boost | | |
| D000F | Sensor "A" Correlation | | |
| P023E | Manifold Absolute Pressure - Turbocharger/Supercharger Boost | | |
| P023F | Sensor "B" Correlation Fuel Pump Secondary Circuit/Open | | |
| P0240 | Turbocharger/Supercharger Boost Sensor "B" Circuit | | |
| F0240 | Range/Performance | | |
| P0241 | Turbocharger/Supercharger Boost Sensor "B" Circuit Low | | |
| P0242 | Turbocharger/Supercharger Boost Sensor "B" Circuit High | | |
| P0243 | Turbocharger/Supercharger Wastegate Solenoid "A" | | |
| P0244 | Turbocharger/Supercharger Wastegate Solenoid "A" Range/Performance | | |
| P0245 | Turbocharger/Supercharger Wastegate Solenoid "A" Low | | |
| P0246 | Turbocharger/Supercharger Wastegate Solenoid "A" High | | |
| P0247 | Turbocharger/Supercharger Wastegate Solenoid "B" | | |
| P0248 | Turbocharger/Supercharger Wastegate Solenoid "B" | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------|-------------|
| DIO Mamboi | Range/Performance | 200411011 | 1 001 11010 |
| P0249 | Turbocharger/Supercharger Wastegate Solenoid "B" Low | | |
| P024A | Charge Air Cooler Bypass Control "A" Range/Performance | | |
| P024B | Charge Air Cooler Bypass Control "A" Stuck | | |
| P024C | Charge Air Cooler Bypass Position Sensor "A" Circuit | | |
| P024D | Charge Air Cooler Bypass Position Sensor "A" Circuit | | |
| 1 0240 | Range/Performance | | |
| P024E | Charge Air Cooler Bypass Position Sensor "A" Circuit Low | | |
| P024F | Charge Air Cooler Bypass Position Sensor "A" Circuit High | | |
| P0250 | Turbocharger/Supercharger Wastegate Solenoid "B" High | | |
| P0251 | Injection Pump Fuel Metering Control "A" (Cam/Rotor/Injector) | | |
| P0252 | Injection Pump Fuel Metering Control "A" Range/Performance | | |
| | (Cam/Rotor/Injector) | | |
| P0253 | Injection Pump Fuel Metering Control "A" Low (Cam/Rotor/Injector) | | |
| P0254 | Injection Pump Fuel Metering Control "A" High (Cam/Rotor/Injector) | | |
| P0255 | Injection Pump Fuel Metering Control "A" Intermittent | | |
| | (Cam/Rotor/Injector) | | |
| P0256 | Injection Pump Fuel Metering Control "B" (Cam/Rotor/Injector) | | |
| P0257 | Injection Pump Fuel Metering Control "B" Range/Performance | | |
| | (Cam/Rotor/Injector) | | |
| P0258 | Injection Pump Fuel Metering Control "B" Low (Cam/Rotor/Injector) | | |
| P0259 | Injection Pump Fuel Metering Control "B" High (Cam/Rotor/Injector) | | |
| P025A | Fuel Pump Module Control Circuit/Open | | |
| P025B | Fuel Pump Module Control Circuit Range/Performance | | |
| P025C | Fuel Pump Module Control Circuit Low | | |
| P025D | Fuel Pump Module Control Circuit High | | |
| P025E | ISO/SAE Reserved | | |
| P025F | ISO/SAE Reserved | | |
| P0260 | Injection Pump Fuel Metering Control "B" Intermittent (Cam/Rotor/Injector) | | |
| P0261 | Cylinder 1 Injector Circuit Low | | |
| P0262 | Cylinder 1 Injector Circuit High | | |
| P0263 | Cylinder 1 Contribution/Balance | | |
| P0264 | Cylinder 2 Injector Circuit Low | | |
| P0265 | Cylinder 2 Injector Circuit High | | |
| P0266 | Cylinder 2 Contribution/Balance | | |
| P0267 | Cylinder 3 Injector Circuit Low | | |
| P0268 | Cylinder 3 Injector Circuit High | | |
| P0269 | Cylinder 3 Contribution/Balance | | |
| P026A | ISO/SAE Reserved | | |
| P026B | ISO/SAE Reserved | | |
| P026C | ISO/SAE Reserved | | |
| P026D | ISO/SAE Reserved | | |
| P026E | ISO/SAE Reserved | | |
| P026F | ISO/SAE Reserved | | |
| P0270 | Cylinder 4 Injector Circuit Low | | |
| P0271 | Cylinder 4 Injector Circuit High | | |
| P0272 | Cylinder 4 Contribution/Balance | | |
| P0273 | Cylinder 5 Injector Circuit Low | | |
| P0274 | Cylinder 5 Injector Circuit High | | |
| P0275 | Cylinder 5 Contribution/Balance | | |
| P0276 | Cylinder 6 Injector Circuit Low | | |
| P0277 | Cylinder 6 Injector Circuit Low Cylinder 6 Injector Circuit High | | |
| 1 0411 | Cymraer o injector Oncalt riigir | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|----------|-----------|
| P0278 | Cylinder 6 Contribution/Balance | | |
| P0279 | Cylinder 7 Injector Circuit Low | | |
| P027A | ISO/SAE Reserved | | |
| P027B | ISO/SAE Reserved | | |
| P027C | ISO/SAE Reserved | | |
| P027D | ISO/SAE Reserved | | |
| P027E | ISO/SAE Reserved | | |
| P027F | ISO/SAE Reserved | | |
| P0280 | Cylinder 7 Injector Circuit High | | |
| P0281 | Cylinder 7 Contribution/Balance | | |
| P0282 | Cylinder 8 Injector Circuit Low | | |
| P0283 | Cylinder 8 Injector Circuit High | | |
| P0284 | Cylinder 8 Contribution/Balance | | |
| P0285 | Cylinder 9 Injector Circuit Low | | |
| P0286 | Cylinder 9 Injector Circuit High | | |
| P0287 | Cylinder 9 Contribution/Balance | | |
| P0288 | Cylinder 10 Injector Circuit Low | | |
| P0289 | Cylinder 10 Injector Circuit High | | |
| P028A | ISO/SAE Reserved | | |
| P028B | ISO/SAE Reserved | | |
| P028C | ISO/SAE Reserved | | |
| P028D | ISO/SAE Reserved | | |
| P028E | ISO/SAE Reserved | | |
| P028F | ISO/SAE Reserved | | |
| P0290 | | | |
| P0290 P0291 | Cylinder 11 Injector Circuit Low | | |
| P0291 P0292 | Cylinder 11 Injector Circuit Llow | | |
| | Cylinder 11 Injector Circuit High | | |
| P0293 | Cylinder 12 Injector Circuit Low | | |
| P0294 | Cylinder 12 Injector Circuit Low | | |
| P0295 P0296 | Cylinder 12 Injector Circuit High | | |
| | Cylinder 12 Contribution/Balance | | |
| P0297 | Vehicle Overspeed Condition | | |
| P0298 | Engine Oil Over Temperature | | |
| P0299 | Turbocharger/Supercharger "A" Underboost Condition | | |
| P029A | Cylinder 1 - Fuel Trim at Max Limit | | |
| P029B | Cylinder 1 - Fuel Trim at Min Limit | | |
| P029C | Cylinder 1 - Injector Restricted | | |
| P029D | Cylinder 1 - Injector Leaking | | |
| P029E | Cylinder 2 - Fuel Trim at Max Limit | | |
| P029F | Cylinder 2 - Fuel Trim at Min Limit | | |
| P02A0 | Cylinder 2 - Injector Restricted | | |
| P02A1 | Cylinder 2 - Injector Leaking | | |
| P02A2 | Cylinder 3 - Fuel Trim at Max Limit | | |
| P02A3 | Cylinder 3 - Fuel Trim at Min Limit | | |
| P02A4 | Cylinder 3 - Injector Restricted | | |
| P02A5 | Cylinder 3 - Injector Leaking | | |
| P02A6 | Cylinder 4 - Fuel Trim at Max Limit | | |
| P02A7 | Cylinder 4 - Fuel Trim at Min Limit | | |
| P02A8 | Cylinder 4 - Injector Restricted | | |
| P02A9 | Cylinder 4 - Injector Leaking | | |
| DOOAA | Cylinder 5 - Fuel Trim at Max Limit | | |
| P02AA P02AB | Cylinder 5 - Fuel Trim at Min Limit | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P02AC | Cylinder 5 - Injector Restricted | | |
| P02AD | Cylinder 5 - Injector Leaking | | |
| P02AE | Cylinder 6 - Fuel Trim at Max Limit | | |
| P02AF | Cylinder 6 - Fuel Trim at Min Limit | | |
| P02B0 | Cylinder 6 - Injector Restricted | | |
| P02B1 | Cylinder 6 - Injector Leaking | | |
| P02B2 | Cylinder 7 - Fuel Trim at Max Limit | | |
| P02B3 | Cylinder 7 - Fuel Trim at Min Limit | | |
| P02B4 | Cylinder 7 - Injector Restricted | | |
| P02B5 | Cylinder 7 - Injector Leaking | | |
| P02B6 | Cylinder 8 - Fuel Trim at Max Limit | | |
| P02B7 | Cylinder 8 - Fuel Trim at Min Limit | | |
| P02B8 | Cylinder 8 - Injector Restricted | | |
| P02B9 | Cylinder 8 - Injector Leaking | | |
| P02BA | Cylinder 9 - Fuel Trim at Max Limit | | |
| P02BB | Cylinder 9 - Fuel Trim at Min Limit | | |
| P02BC | Cylinder 9 - Injector Restricted | | |
| P02BD | Cylinder 9 - Injector Leaking | | |
| P02BE | Cylinder 10 - Fuel Trim at Max Limit | | |
| P02BF | Cylinder 10 - Fuel Trim at Min Limit | | |
| P02C0 | Cylinder 10 - Injector Restricted | | |
| P02C1 | Cylinder 10 - Injector Leaking | | |
| P02C2 | Cylinder 11 - Fuel Trim at Max Limit | | |
| P02C3 | Cylinder 11 - Fuel Trim at Min Limit | | |
| P02C4 | Cylinder 11 - Injector Restricted | | |
| P02C5 | Cylinder 11 - Injector Leaking | | |
| P02C6 | Cylinder 12 - Fuel Trim at Max Limit | | |
| P02C7 | Cylinder 12 - Fuel Trim at Min Limit | | |
| P02C8 | Cylinder 12 - Injector Restricted | | |
| P02C9 | Cylinder 12 - Injector Leaking | | |
| P02CA | Turbocharger/Supercharger "B" Overboost Condition | | |
| P02CB | Turbocharger/Supercharger "B" Underboost Condition | | |
| P02CC | Cylinder 1 Fuel Injector Offset Learning At Min Limit | | |
| P02CD | Cylinder 1 Fuel Injector Offset Learning At Max Limit | | |
| P02CE | Cylinder 2 Fuel Injector Offset Learning At Min Limit | | |
| P02CF | Cylinder 2 Fuel Injector Offset Learning At Max Limit | | |
| P02D0 | Cylinder 3 Fuel Injector Offset Learning At Min Limit | | |
| P02D1 | Cylinder 3 Fuel Injector Offset Learning At Max Limit | | |
| P02D2 | Cylinder 4 Fuel Injector Offset Learning At Min Limit | | |
| P02D3 | Cylinder 4 Fuel Injector Offset Learning At Max Limit | | |
| P02D4 | Cylinder 5 Fuel Injector Offset Learning At Min Limit | | |
| P02D5 | Cylinder 5 Fuel Injector Offset Learning At Max Limit | | |
| P02D6 | Cylinder 6 Fuel Injector Offset Learning At Min Limit | | |
| P02D7 | Cylinder 6 Fuel Injector Offset Learning At Max Limit | | |
| P02D8 | Cylinder 7 Fuel Injector Offset Learning At Min Limit | | |
| P02D9 | Cylinder 7 Fuel Injector Offset Learning At Max Limit | | |
| P02DA | Cylinder 8 Fuel Injector Offset Learning At Min Limit | | |
| P02DB | Cylinder 8 Fuel Injector Offset Learning At Max Limit | | |
| P02DC | Cylinder 9 Fuel Injector Offset Learning At Min Limit | | |
| P02DD | Cylinder 9 Fuel Injector Offset Learning At Max Limit | | |
| P02DE | Cylinder 10 Fuel Injector Offset Learning At Min Limit | | |
| P02DF | Cylinder 10 Fuel Injector Offset Learning At Max Limit | | |
| | • | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P02E0 | Diesel Intake Air Flow Control Circuit/Open | | |
| P02E1 | Diesel Intake Air Flow Control Performance | | |
| P02E2 | Diesel Intake Air Flow Control Circuit Low | | |
| P02E3 | Diesel Intake Air Flow Control Circuit High | | |
| P02E4 | Diesel Intake Air Flow Control Stuck Open | | |
| P02E5 | Diesel Intake Air Flow Control Stuck Closed | | |
| P02E6 | Diesel Intake Air Flow Position Sensor Circuit | | |
| P02E7 | Diesel Intake Air Flow Position Sensor Circuit Range/Performance | | |
| P02E8 | Diesel Intake Air Flow Position Sensor Circuit Low | | |
| P02E9 | Diesel Intake Air Flow Position Sensor Circuit High | | |
| P02EA | Diesel Intake Air Flow Position Sensor Circuit Intermittent/Erratic | | |
| P02EB | Diesel Intake Air Flow Control Motor Current Range/Performance | | |
| P02EC | Diesel Intake Air Flow Control System - High Air Flow Detected | | |
| P02ED | Diesel Intake Air Flow Control System - Low Air Flow Detected | | |
| P02EE | Cylinder 1 Injector Circuit Range/Performance | | |
| P02EF | Cylinder 2 Injector Circuit Range/Performance | | |
| P02F0 | Cylinder 3 Injector Circuit Range/Performance | | |
| P02F1 | Cylinder 4 Injector Circuit Range/Performance | | |
| P02F2 | Cylinder 5 Injector Circuit Range/Performance | | |
| P02F3 | Cylinder 6 Injector Circuit Range/Performance | | |
| P02F4 | Cylinder 7 Injector Circuit Range/Performance | | |
| P02F5 | Cylinder 8 Injector Circuit Range/Performance | | |
| P02F6 | Cylinder 9 Injector Circuit Range/Performance | | |
| P02F7 | Cylinder 10 Injector Circuit Range/Performance | | |
| P02F8 | Cylinder 11 Injector Circuit Range/Performance | | |
| P02F9 | Cylinder 12 Injector Circuit Range/Performance | | |
| P02FA | Diesel Intake Air Flow Position Sensor Minimum/Maximum Stop | | |
| | Performance | | |
| P02FB | ISO/SAE Reserved | | |
| P02FC | ISO/SAE Reserved | | |
| P02FD | ISO/SAE Reserved | | |
| P02FE | ISO/SAE Reserved | | |
| P02FF | ISO/SAE Reserved | | |

TABLE D4 - P03XX IGNITION SYSTEM OR MISFIRE

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| 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 | | |
| P030A | ISO/SAE Reserved | | |
| P030B | ISO/SAE Reserved | | |
| P030C | ISO/SAE Reserved | | |
| P030D | ISO/SAE Reserved | | |
| P030E | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------------------------|-----------|
| P030F | ISO/SAE Reserved | | |
| P0310 | Cylinder 10 Misfire Detected | | |
| P0311 | Cylinder 11 Misfire Detected | | |
| P0312 | Cylinder 12 Misfire Detected | | |
| P0313 | Misfire Detected With Low Fuel | | |
| P0314 | Single Cylinder Misfire (Cylinder not Specified) | | |
| P0315 | Crankshaft Position System Variation Not Learned | | |
| P0316 | Engine Misfire Detected on Startup (First 1000 Revolutions) | | |
| P0317 | Rough Road Hardware Not Present | | |
| P0318 | Rough Road Sensor "A" Signal Circuit | | |
| P0319 | Rough Road Sensor "B" Signal Circuit | | |
| P031A | ISO/SAE Reserved | | |
| P031B | ISO/SAE Reserved | | |
| P031C | ISO/SAE Reserved | | |
| P031D | ISO/SAE Reserved | | |
| P031E | ISO/SAE Reserved | | |
| P031E | ISO/SAE Reserved | | |
| P031F | | | |
| | Ignition/Distributor Engine Speed Input Circuit | | |
| P0321 | Ignition/Distributor Engine Speed Input Circuit Range/Performance | | |
| P0322 | Ignition/Distributor Engine Speed Input Circuit No Signal | | |
| P0323 | Ignition/Distributor Engine Speed Input Circuit Intermittent | | |
| P0324 | Knock Control System Error | | |
| P0325 | Knock Sensor 1 Circuit | Bank 1 or | |
| Dogge | Knock Concer 1 Circuit Dance/Deviermence | Single Sensor | |
| P0326 | Knock Sensor 1 Circuit Range/Performance | Bank 1 or | |
| P0327 | Knock Sensor 1 Circuit Low | Single Sensor Bank 1 or | |
| 1 0327 | Milock Selisor i Gircuit Low | Single Sensor | |
| P0328 | Knock Sensor 1 Circuit High | Bank 1 or | |
| | | Single Sensor | |
| P0329 | Knock Sensor 1 Circuit Intermittent | Bank 1 or | |
| | | Single Sensor | |
| P032A | Knock Sensor 3 Circuit | Bank 1 | |
| P032B | Knock Sensor 3 Circuit Range/Performance | Bank 1 | |
| P032C | Knock Sensor 3 Circuit Low | Bank 1 | |
| P032D | Knock Sensor 3 Circuit High | Bank 1 | |
| P032E | Knock Sensor 3 Circuit Intermittent | Bank 1 | |
| P032F | ISO/SAE Reserved | | |
| P0330 | Knock Sensor 2 Circuit | Bank 2 | |
| P0331 | Knock Sensor 2 Circuit Range/Performance | Bank 2 | |
| P0332 | Knock Sensor 2 Circuit Low | Bank 2 | |
| P0333 | Knock Sensor 2 Circuit High | Bank 2 | |
| P0334 | Knock Sensor 2 Circuit Intermittent | Bank 2 | |
| P0335 | Crankshaft Position Sensor "A" Circuit | Dank 2 | |
| P0336 | Crankshaft Position Sensor "A" Circuit Range/Performance | | |
| P0337 | Crankshaft Position Sensor "A" Circuit Low | | |
| P0338 | Crankshaft Position Sensor "A" Circuit High | | |
| P0339 | Crankshaft Position Sensor "A" Circuit High Crankshaft Position Sensor "A" Circuit Intermittent | | |
| | | Bank 2 | |
| P033A | Knock Sensor 4 Circuit | Bank 2 | |
| P033B | Knock Sensor 4 Circuit Range/Performance | Bank 2 | |
| P033C | Knock Sensor 4 Circuit Low | Bank 2 | |
| P033D | Knock Sensor 4 Circuit High | Bank 2 | |
| P033E | Knock Sensor 4 Circuit Intermittent | Bank 2 | |

| P033F ISO/SAE Reserved P0340 Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor P0341 Camshaft Position Sensor "A" Circuit Range/Performance Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | Foot Note |
|---|-----------|
| P0340 Camshaft Position Sensor "A" Circuit P0341 Camshaft Position Sensor "A" Circuit Range/Performance Bank 1 or Single Sensor Bank 1 or Single Sensor P0342 Camshaft Position Sensor "A" Circuit Low Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0341 Camshaft Position Sensor "A" Circuit Range/Performance P0342 Camshaft Position Sensor "A" Circuit Low P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent P0345 Camshaft Position Sensor "A" Circuit P0346 Camshaft Position Sensor "A" Circuit Range/Performance Single Sensor Bank 1 or Single Sensor Bank 2 Bank 2 | |
| P0341 Camshaft Position Sensor "A" Circuit Range/Performance P0342 Camshaft Position Sensor "A" Circuit Low Bank 1 or Single Sensor Bank 1 or Single Sensor Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 Bank 2 | |
| P0342 Camshaft Position Sensor "A" Circuit Low Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 Bank 2 | |
| P0342 Camshaft Position Sensor "A" Circuit Low Bank 1 or Single Sensor P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0343 Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0344 Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor P0345 Camshaft Position Sensor "A" Circuit Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0345 Camshaft Position Sensor "A" Circuit Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0345 Camshaft Position Sensor "A" Circuit Bank 2 P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| P0346 Camshaft Position Sensor "A" Circuit Range/Performance Bank 2 | |
| | |
| P0347 Camshaft Position Sensor "A" Circuit Low Bank 2 | |
| P0348 Camshaft Position Sensor "A" Circuit High Bank 2 | |
| P0349 Camshaft Position Sensor "A" Circuit Intermittent Bank 2 | |
| | |
| P034A ISO/SAE Reserved | |
| P034B ISO/SAE Reserved | |
| P034C ISO/SAE Reserved | |
| P034D ISO/SAE Reserved | |
| P034E ISO/SAE Reserved | |
| P034F ISO/SAE Reserved | |
| P0350 Ignition Coil Primary/Secondary Circuit | |
| P0351 Ignition Coil "A" Primary/Secondary Circuit | |
| P0352 Ignition Coil "B" Primary/Secondary Circuit | |
| P0353 Ignition Coil "C" Primary/Secondary Circuit | |
| P0354 Ignition Coil "D" Primary/Secondary Circuit | |
| P0355 Ignition Coil "E" Primary/Secondary Circuit | |
| P0356 Ignition Coil "F" Primary/Secondary Circuit | |
| P0357 Ignition Coil "G" Primary/Secondary Circuit | |
| P0358 Ignition Coil "H" Primary/Secondary Circuit | |
| P0359 Ignition Coil "I" Primary/Secondary Circuit | |
| P035A ISO/SAE Reserved | |
| P035B ISO/SAE Reserved | |
| | |
| P035C ISO/SAE Reserved | |
| P035D ISO/SAE Reserved | |
| P035E ISO/SAE Reserved | |
| P035F ISO/SAE Reserved | |
| P0360 Ignition Coil "J" Primary/Secondary Circuit | |
| P0361 Ignition Coil "K" Primary/Secondary Circuit | |
| P0362 Ignition Coil "L" Primary/Secondary Circuit | |
| P0363 Misfire Detected - Fueling Disabled | |
| P0364 ISO/SAE Reserved | |
| P0365 Camshaft Position Sensor "B" Circuit Bank 1 | |
| P0366 Camshaft Position Sensor "B" Circuit Range/Performance Bank 1 | |
| P0367 Camshaft Position Sensor "B" Circuit Low Bank 1 | |
| P0368 Camshaft Position Sensor "B" Circuit High Bank 1 | |
| P0369 Camshaft Position Sensor "B" Circuit Intermittent Bank 1 | |
| P036A ISO/SAE Reserved | |
| P036B ISO/SAE Reserved | |
| P036C ISO/SAE Reserved | |
| | |
| P036D ISO/SAE Reserved P036E ISO/SAE Reserved | |
| EU NE LAUNAE RESERVEU | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|-----------|
| P036F | ISO/SAE Reserved | | |
| P0370 | Timing Reference High Resolution Signal "A" | | |
| 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" Intermittent/Erratic | | |
| | Pulses | | |
| P0374 | Timing Reference High Resolution Signal "A" No Pulses | | |
| P0375 | Timing Reference High Resolution Signal "B" | | |
| 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" Intermittent/Erratic Pulses | | |
| P0379 | Timing Reference High Resolution Signal "B" No Pulses | | |
| P037A | ISO/SAE Reserved | | |
| P037B | ISO/SAE Reserved | | |
| P037C | ISO/SAE Reserved | | |
| P037D | Glow Plug Sense Circuit | | |
| P037E | Glow Plug Sense Circuit Low | | |
| P037F | Glow Plug Sense Circuit High | | |
| P0380 | Glow Plug/Heater Circuit "A" | | |
| P0381 | Glow Plug/Heater Indicator Circuit | | |
| P0382 | Glow Plug/Heater Circuit "B" | | |
| P0383 | Glow Plug Control Module Control Circuit Low | | |
| P0384 | Glow Plug Control Module Control Circuit High | | |
| P0385 | Crankshaft Position Sensor "B" Circuit | | |
| P0386 | Crankshaft Position Sensor "B" Circuit Range/Performance | | |
| P0387 | Crankshaft Position Sensor "B" Circuit Low | | |
| P0388 | Crankshaft Position Sensor "B" Circuit High | | |
| P0389 | Crankshaft Position Sensor "B" Circuit Intermittent | | |
| P038A | ISO/SAE Reserved | | |
| P038B | ISO/SAE Reserved | | |
| P038C | ISO/SAE Reserved | | |
| P038D | ISO/SAE Reserved | | |
| P038E | ISO/SAE Reserved | | |
| P038F | ISO/SAE Reserved | | |
| P0390 | Camshaft Position Sensor "B" Circuit | Bank 2 | |
| P0391 | Camshaft Position Sensor "B" Circuit Range/Performance | Bank 2 | 1 |
| P0392 | Camshaft Position Sensor "B" Circuit Low | Bank 2 | |
| P0393 | Camshaft Position Sensor "B" Circuit High | Bank 2 | <u> </u> |
| P0394 | Camshaft Position Sensor "B" Circuit Intermittent | Bank 2 | |
| P0395 – P03FF | ISO/SAE Reserved | | |

TABLE D5 - P04XX AUXILIARY EMISSION CONTROLS

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------------|-----------|
| P0400 | Exhaust Gas Recirculation "A" Flow | | |
| P0401 | Exhaust Gas Recirculation "A" Flow Insufficient Detected | | |
| P0402 | Exhaust Gas Recirculation "A" Flow Excessive Detected | | |
| P0403 | Exhaust Gas Recirculation "A" Control Circuit | | |
| P0404 | Exhaust Gas Recirculation "A" Control Circuit Range/Performance | | |
| P0405 | Exhaust Gas Recirculation Sensor "A" Circuit Low | | |
| P0406 | Exhaust Gas Recirculation Sensor "A" Circuit High | | |
| P0407 | Exhaust Gas Recirculation Sensor "B" Circuit Low | | |
| P0408 | Exhaust Gas Recirculation Sensor "B" Circuit High | | |
| P0409 | Exhaust Gas Recirculation Sensor "A" Circuit | | |
| P040A | Exhaust Gas Recirculation Temperature Sensor "A" Circuit | | |
| P040B | Exhaust Gas Recirculation Temperature Sensor "A" Circuit | | |
| | Range/Performance | | |
| P040C | Exhaust Gas Recirculation Temperature Sensor "A" Circuit Low | | |
| P040D | Exhaust Gas Recirculation Temperature Sensor "A" Circuit High | | |
| P040E | Exhaust Gas Recirculation Temperature Sensor "A" Circuit | | |
| | Intermittent/Erratic | | |
| P040F | Exhaust Gas Recirculation Temperature Sensor "A"/"B" Correlation | | |
| P0410 | Secondary Air Injection System | | |
| P0411 | Secondary Air Injection System Incorrect Flow Detected | | |
| P0412 | Secondary Air Injection System Switching Valve "A" Circuit | | |
| P0413 | Secondary Air Injection System Switching Valve "A" Circuit Open | | |
| P0414 | Secondary Air Injection System Switching Valve "A" Circuit Shorted | | |
| P0415 | Secondary Air Injection System Switching Valve "B" Circuit | | |
| P0416 | Secondary Air Injection System Switching Valve "B" Circuit Open | | |
| P0417 | Secondary Air Injection System Switching Valve "B" Circuit Shorted | | |
| P0418 | Secondary Air Injection System Control "A" Circuit | | |
| P0419 | Secondary Air Injection System Control "B" Circuit | | |
| P041A | Exhaust Gas Recirculation Temperature Sensor "B" Circuit | | |
| P041B | Exhaust Gas Recirculation Temperature Sensor "B" Circuit | | |
| | Range/Performance | | |
| P041C | Exhaust Gas Recirculation Temperature Sensor "B" Circuit Low | | |
| P041D | Exhaust Gas Recirculation Temperature Sensor "B" Circuit High | | |
| P041E | Exhaust Gas Recirculation Temperature Sensor "B" Circuit | | |
| D0445 | Intermittent/Erratic | | |
| P041F | Secondary Air Injection System Switching Valve "A" Circuit Low | Davids 4 | |
| P0420 | Catalyst System Efficiency Below Threshold | Bank 1 | |
| P0421 | Warm Up Catalyst Efficiency Below Threshold | Bank 1 | |
| P0422 | Main Catalyst Efficiency Below Threshold | Bank 1 | |
| P0423 | Heated Catalyst Efficiency Below Threshold | Bank 1 | |
| P0424 | Heated Catalyst Temperature Below Threshold | Bank 1 | |
| P0425 | Catalyst Temperature Sensor Circuit | Bank 1 Sensor 1 | |
| P0426 | Catalyst Temperature Sensor Circuit Range/Performance | Bank 1 Sensor 1 | |
| P0427 | Catalyst Temperature Sensor Circuit Low | Bank 1 Sensor 1 | |
| P0428 | Catalyst Temperature Sensor Circuit High | Bank 1 Sensor 1 | |
| P0429 | Catalyst Heater Control Circuit | Bank 1 | |
| P042A | Catalyst Temperature Sensor Circuit | Bank 1 Sensor 2 | |
| P042B | Catalyst Temperature Sensor Circuit Range/Performance | Bank 1 Sensor 2 | |
| P042C | Catalyst Temperature Sensor Circuit Low | Bank 1 Sensor 2 | |
| P042D | Catalyst Temperature Sensor Circuit High | Bank 1 Sensor 2 | |
| P042E | Exhaust Gas Recirculation "A" Control Stuck Open | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------------|-----------|
| P042F | Exhaust Gas Recirculation "A" Control Stuck Closed | | |
| P0430 | Catalyst System Efficiency Below Threshold | Bank 2 | |
| P0431 | Warm Up Catalyst Efficiency Below Threshold | Bank 2 | |
| P0432 | Main Catalyst Efficiency Below Threshold | Bank 2 | |
| P0433 | Heated Catalyst Efficiency Below Threshold | Bank 2 | |
| P0434 | Heated Catalyst Temperature Below Threshold | Bank 2 | |
| P0435 | Catalyst Temperature Sensor Circuit | Bank 2 Sensor 1 | |
| P0436 | Catalyst Temperature Sensor Circuit Range/Performance | Bank 2 Sensor 1 | |
| P0437 | Catalyst Temperature Sensor Circuit Low | Bank 2 Sensor 1 | |
| P0438 | Catalyst Temperature Sensor Circuit High | Bank 2 Sensor 1 | |
| P0439 | Catalyst Heater Control Circuit | Bank 2 | |
| P043A | Catalyst Temperature Sensor Circuit | Bank 2 Sensor 2 | |
| P043B | Catalyst Temperature Sensor Circuit Range/Performance | Bank 2 Sensor 2 | |
| P043C | Catalyst Temperature Sensor Circuit Low | Bank 2 Sensor 2 | |
| P043D | Catalyst Temperature Sensor Circuit High | Bank 2 Sensor 2 | |
| P043E | Evaporative Emission System Leak Detection Reference Orifice Low Flow | | |
| P043F | Evaporative Emission System Leak Detection Reference Orifice High Flow | | |
| P0440 | Evaporative Emission System | | |
| P0441 | Evaporative Emission System Incorrect Purge Flow | | |
| P0442 | Evaporative Emission System Leak Detected (small leak) | | |
| P0443 | Evaporative Emission System Purge Control Valve Circuit | | |
| P0444 | Evaporative Emission System Purge Control Valve Circuit Open | | |
| P0445 | Evaporative Emission System Purge Control Valve Circuit Shorted | | |
| P0446 | Evaporative Emission System Vent Control Circuit | | Į. |
| P0447 | Evaporative Emission System Vent Control Circuit Open | | |
| P0448 | Evaporative Emission System Vent Control Circuit Shorted | | (|
| P0449 | Evaporative Emission System Vent Valve/Solenoid Circuit | | |
| P044A | Exhaust Gas Recirculation Sensor "C" Circuit | | |
| P044B | Exhaust Gas Recirculation Sensor "C" Circuit Range/Performance | | |
| P044C | Exhaust Gas Recirculation Sensor "C" Circuit Low | | |
| P044D | Exhaust Gas Recirculation Sensor "C" Circuit High | | |
| P044E | Exhaust Gas Recirculation Sensor "C" Circuit Intermittent/Erratic | | |
| P044F | Secondary Air Injection System Switching Valve "A" Circuit High | | |
| P0450 | Evaporative Emission System Pressure Sensor/Switch | | |
| P0451 | Evaporative Emission System Pressure Sensor/Switch Range/Performance | | |
| P0452 | Evaporative Emission System Pressure Sensor/Switch Low | | |
| P0453 | Evaporative Emission System Pressure Sensor/Switch High | | |
| P0454 | Evaporative Emission System Pressure Sensor/Switch Intermittent | | |
| P0455 | Evaporative Emission System Leak Detected (large leak) | | |
| P0456 | Evaporative Emission System Leak Detected (very small leak) | | |
| P0457 | Evaporative Emission System Leak Detected (fuel cap loose/off) | | |
| P0458 | Evaporative Emission System Purge Control Valve Circuit Low | | |
| P0459 | Evaporative Emission System Purge Control Valve Circuit High | | |
| P045A | Exhaust Gas Recirculation "B" Control Circuit | | |
| P045B | Exhaust Gas Recirculation "B" Control Circuit Range/Performance | | |
| P045C | Exhaust Gas Recirculation "B" Control Circuit Low | | |
| P045D | Exhaust Gas Recirculation "B" Control Circuit High | | |
| P045E | Exhaust Gas Recirculation "B" Control Stuck Open | | |
| P045F | Exhaust Gas Recirculation "B" Control Stuck Closed | | |
| P0460 | Fuel Level Sensor "A" Circuit | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-------------------|
| P0461 | Fuel Level Sensor "A" Circuit Range/Performance | | 7 0 0 0 1 1 0 0 0 |
| P0462 | Fuel Level Sensor "A" Circuit Low | | |
| P0463 | Fuel Level Sensor "A" Circuit High | | |
| P0464 | Fuel Level Sensor "A" Circuit Intermittent | | |
| P0465 | EVAP Purge Flow Sensor Circuit | | |
| P0466 | EVAP Purge Flow Sensor Circuit Range/Performance | | |
| P0467 | EVAP Purge Flow Sensor Circuit Low | | |
| P0468 | EVAP Purge Flow Sensor Circuit High | | |
| P0469 | EVAP Purge Flow Sensor Circuit Intermittent | | |
| P046A | Catalyst Temperature Sensor 1/2 Correlation | Bank 1 | |
| P046B | Catalyst Temperature Sensor 1/2 Correlation | Bank 2 | |
| P046C | Exhaust Gas Recirculation Sensor "A" Circuit Range/Performance | Bank 2 | |
| P046D | Exhaust Gas Recirculation Sensor "A" Circuit Intermittent/Erratic | | |
| P046E | Exhaust Gas Recirculation Sensor "B" Circuit Range/Performance | | |
| P046F | Exhaust Gas Recirculation Sensor "B" Circuit Intermittent/Erratic | | |
| P0470 | Exhaust Pressure Sensor "A" Circuit | | |
| P0471 | Exhaust Pressure Sensor "A" Circuit Range/Performance | | |
| P0472 | Exhaust Pressure Sensor "A" Circuit Low | | |
| P0473 | Exhaust Pressure Sensor "A" Circuit High | | |
| P0474 | Exhaust Pressure Sensor "A" Circuit Intermittent/Erratic | | |
| P0475 | Exhaust Pressure Control Valve "A" | | |
| P0476 | Exhaust Pressure Control Valve "A" Range/Performance | | |
| P0477 | Exhaust Pressure Control Valve "A" Low | | |
| P0478 | Exhaust Pressure Control Valve "A" High | | |
| P0479 | Exhaust Pressure Control Valve "A" Intermittent | | |
| P047A | Exhaust Pressure Sensor "B" Circuit | | |
| P047B | Exhaust Pressure Sensor "B" Circuit Range/Performance | | |
| P047C | Exhaust Pressure Sensor "B" Circuit Low | | |
| P047D | Exhaust Pressure Sensor "B" Circuit High | | |
| P047E | Exhaust Pressure Sensor "B" Circuit Intermittent/Erratic | | |
| P047F | Exhaust Pressure Control Valve "A" Stuck Open | | |
| P0480 | Fan 1 Control Circuit | | |
| P0481 | Fan 2 Control Circuit | | |
| P0482 | Fan 3 Control Circuit | | |
| P0483 | Fan Rationality Check | | |
| P0484 | Fan Circuit Over Current | | |
| P0485 | Fan Power/Ground Circuit | | |
| P0486 | Exhaust Gas Recirculation Sensor "B" Circuit | | |
| P0487 | Exhaust Gas Recirculation Throttle Control Circuit "A" /Open | | <u> </u> |
| P0488 | Exhaust Gas Recirculation Throttle Control Circuit "A" | | |
| | Range/Performance | | |
| P0489 | Exhaust Gas Recirculation "A" Control Circuit Low | | |
| P048A | Exhaust Pressure Control Valve "A" Stuck Closed | | |
| P048B | Exhaust Pressure Control Valve Position Sensor/Switch Circuit | | |
| P048C | Exhaust Pressure Control Valve Position Sensor/Switch Circuit Range/Performance | | |
| P048D | Exhaust Pressure Control Valve Position Sensor/Switch Circuit Low | | |
| P048E | Exhaust Pressure Control Valve Position Sensor/Switch Circuit High | | |
| P048F | Exhaust Pressure Control Valve Position Sensor/Switch Circuit Intermittent/Erratic | | |
| P0490 | Exhaust Gas Recirculation "A" Control Circuit High | | |
| P0491 | Secondary Air Injection System Insufficient Flow | Bank 1 | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P0492 | Secondary Air Injection System Insufficient Flow | Bank 2 | |
| P0493 | Fan Overspeed | | |
| P0494 | Fan Speed Low | | |
| P0495 | Fan Speed High | | |
| P0496 | Evaporative Emission System High Purge Flow | | |
| P0497 | Evaporative Emission System Low Purge Flow | | |
| P0498 | Evaporative Emission System Vent Valve Control Circuit Low | | |
| P0499 | Evaporative Emission System Vent Valve Control Circuit High | | |
| P049A | Exhaust Gas Recirculation "B" Flow | | |
| P049B | Exhaust Gas Recirculation "B" Flow Insufficient Detected | | |
| P049C | Exhaust Gas Recirculation "B" Flow Excessive Detected | | |
| P049D | Exhaust Gas Recirculation "A" Control Position Exceeded Learning Limit | | |
| P049E | Exhaust Gas Recirculation "B" Control Position Exceeded Learning Limit | | |
| P049F | Exhaust Pressure Control Valve "B" | | |
| P04A0 | Exhaust Pressure Control Valve "B" Range/Performance | | |
| P04A1 | Exhaust Pressure Control Valve "B" Low | | |
| P04A2 | Exhaust Pressure Control Valve "B" High | | |
| P04A3 | Exhaust Pressure Control Valve "B" Intermittent | | |
| P04A4 | Exhaust Pressure Control Valve "B" Stuck Open | | |
| P04A5 | Exhaust Pressure Control Valve "B" Stuck Closed | | |
| P04A6 | Exhaust Pressure Control Valve "B" Position Sensor/Switch Circuit | | |
| P04A7 | Exhaust Pressure Control Valve "B" Position Sensor/Switch Circuit Range/Performance | | |
| P04A8 | Exhaust Pressure Control Valve "B" Position Sensor/Switch Circuit Low | | |
| P04A9 | Exhaust Pressure Control Valve "B" Position Sensor/Switch Circuit High | | |
| P04AA | Exhaust Pressure Control Valve "B" Position Sensor/Switch Circuit Intermittent/Erratic | | |
| P04AB – P04FF | ISO/SAE Reserved | | |

TABLE D6 - P05XX VEHICLE SPEED, IDLE CONTROL, AND AUXILIARY INPUTS

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P0500 | Vehicle Speed Sensor "A" | | |
| P0501 | Vehicle Speed Sensor "A" Range/Performance | | |
| P0502 | Vehicle Speed Sensor "A" Circuit Low | | |
| P0503 | Vehicle Speed Sensor "A" Intermittent/Erratic/High | | |
| P0504 | Brake Switch "A"/"B" Correlation | | |
| P0505 | Idle Air Control System | | |
| P0506 | Idle Air Control System RPM Lower Than Expected | | |
| P0507 | Idle Air Control System RPM Higher Than Expected | | |
| P0508 | Idle Air Control System Circuit Low | | |
| P0509 | Idle Air Control System Circuit High | | |
| P050A | Cold Start Idle Air Control System Performance | | |
| P050B | Cold Start Ignition Timing Performance | | ļ. |
| P050C | Cold Start Engine Coolant Temperature Performance | | |
| P050D | Cold Start Rough Idle | | Ŷ. |
| P050E | Cold Start Engine Exhaust Temperature Too Low | | į |
| P050F | Brake Assist Vacuum Too Low | | |
| P0510 | Closed Throttle Position Switch | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|-----------------|------------|
| P0511 | Idle Air Control Circuit | | 1 00011000 |
| P0512 | Starter Request Circuit | | |
| P0513 | Incorrect Immobilizer Key | | |
| P0514 | Battery Temperature Sensor Circuit Range/Performance | | |
| P0515 | Battery Temperature Sensor Circuit | | |
| P0516 | Battery Temperature Sensor Circuit Low | | |
| P0517 | Battery Temperature Sensor Circuit High | | |
| P0518 | Idle Air Control Circuit Intermittent | | |
| P0519 | Idle Air Control System Performance | | |
| P051A | Crankcase Pressure Sensor Circuit | | |
| P051B | Crankcase Pressure Sensor Circuit Range/Performance | | |
| P051C | Crankcase Pressure Sensor Circuit Low | | |
| P051D | Crankcase Pressure Sensor Circuit High | | |
| P051E | Crankcase Pressure Sensor Circuit Intermittent/Erratic | | |
| P051F | Positive Crankcase Ventilation Filter Restriction | | |
| P0520 | Engine Oil Pressure Sensor/Switch Circuit | | |
| P0521 | Engine Oil Pressure Sensor/Switch Range/Performance | | |
| P0522 | Engine Oil Pressure Sensor/Switch Low | | |
| P0523 | Engine Oil Pressure Sensor/Switch High | | |
| P0524 | Engine Oil Pressure Too Low | | |
| P0525 | Cruise Control Servo Control Circuit Range/Performance | | |
| P0526 | Fan Speed Sensor Circuit | | |
| P0527 | Fan Speed Sensor Circuit Range/Performance | | |
| P0528 | Fan Speed Sensor Circuit No Signal | | |
| P0529 | Fan Speed Sensor Circuit Intermittent | | |
| P052A | Cold Start "A" Camshaft Position Timing Over-Advanced | Bank 1 | а |
| P052B | Cold Start "A" Camshaft Position Timing Over-Retarded | Bank 1 | a |
| P052C | Cold Start "A" Camshaft Position Timing Over-Advanced | Bank 2 | а |
| P052D | Cold Start "A" Camshaft Position Timing Over-Retarded | Bank 2 | а |
| P052E | Positive Crankcase Ventilation Regulator Valve Performance | | |
| P052F | ISO/SAE Reserved | | |
| P0530 | A/C Refrigerant Pressure Sensor "A" Circuit | | |
| P0531 | A/C Refrigerant Pressure Sensor "A" Circuit Range/Performance | | |
| P0532 | A/C Refrigerant Pressure Sensor "A" Circuit Low | | |
| P0533 | A/C Refrigerant Pressure Sensor "A" Circuit High | | |
| P0534 | A/C Refrigerant Charge Loss | | |
| P0535 | A/C Evaporator Temperature Sensor Circuit | | |
| P0536 | A/C Evaporator Temperature Sensor Circuit Range/Performance | | |
| P0537 | A/C Evaporator Temperature Sensor Circuit Low | | |
| P0538 | A/C Evaporator Temperature Sensor Circuit High | | |
| P0539 | A/C Evaporator Temperature Sensor Circuit Intermittent | | |
| P053A | Positive Crankcase Ventilation Heater Control Circuit /Open | | |
| P053B | Positive Crankcase Ventilation Heater Control Circuit Low | | |
| P053C | Positive Crankcase Ventilation Heater Control Circuit High | | |
| P053D | ISO/SAE Reserved | | |
| P053E | ISO/SAE Reserved | | |
| P053F | ISO/SAE Reserved | | |
| P0540 | Intake Air Heater "A" Circuit | | 1 |
| P0541 | Intake Air Heater "A" Circuit Low | | 1 |
| P0542 | Intake Air Heater "A" Circuit High | | 1 |
| P0543 | Intake Air Heater "A" Circuit Open | | 1 |
| P0544 | Exhaust Gas Temperature Sensor Circuit | Bank 1 Sensor 1 | |
| | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------------|-----------|
| P0545 | Exhaust Gas Temperature Sensor Circuit Low | Bank 1 Sensor 1 | |
| P0546 | Exhaust Gas Temperature Sensor Circuit High | Bank 1 Sensor 1 | |
| P0547 | Exhaust Gas Temperature Sensor Circuit | Bank 2 Sensor 1 | |
| P0548 | Exhaust Gas Temperature Sensor Circuit Low | Bank 2 Sensor 1 | |
| P0549 | Exhaust Gas Temperature Sensor Circuit High | Bank 2 Sensor 1 | |
| P054A | Cold Start "B" Camshaft Position Timing Over-Advanced | Bank 1 | b |
| P054B | Cold Start "B" Camshaft Position Timing Over-Retarded | Bank 1 | b |
| P054C | Cold Start "B" Camshaft Position Timing Over-Advanced | Bank 2 | b |
| P054D | Cold Start "B" Camshaft Position Timing Over-Retarded | Bank 2 | b |
| P054E | ISO/SAE Reserved | Dank 2 | D |
| P054F | ISO/SAE Reserved | | |
| P0550 | Power Steering Pressure Sensor/Switch Circuit | | |
| P0551 | Power Steering Pressure Sensor/Switch Circuit | | |
| 1 0001 | Range/Performance | | |
| P0552 | Power Steering Pressure Sensor/Switch Circuit Low | | |
| P0553 | Power Steering Pressure Sensor/Switch Circuit High | | |
| P0554 | Power Steering Pressure Sensor/Switch Circuit Intermittent | | |
| P0555 | Brake Booster Pressure Sensor Circuit | | |
| P0556 | Brake Booster Pressure Sensor Circuit Range/Performance | | |
| P0557 | Brake Booster Pressure Sensor Circuit Low | | |
| P0558 | Brake Booster Pressure Sensor Circuit High | | |
| P0559 | Brake Booster Pressure Sensor Circuit Intermittent | | |
| P055A | ISO/SAE Reserved | | |
| P055B | ISO/SAE Reserved | | |
| P055C | ISO/SAE Reserved | | |
| P055D | ISO/SAE Reserved | | |
| P055E | ISO/SAE Reserved | | |
| P055F | ISO/SAE Reserved | | |
| P0560 | System Voltage | | |
| P0561 | System Voltage Unstable | | |
| P0562 | System Voltage Low | | |
| P0563 | System Voltage High | | |
| P0564 | Cruise Control Multi-Function Input "A" Circuit | | |
| P0565 | Cruise Control "On" Signal | | |
| P0566 | Cruise Control "Off" Signal | | |
| P0567 | Cruise Control "Resume" Signal | | |
| P0568 | Cruise Control "Set" Signal | | |
| P0569 | Cruise Control "Coast" Signal | | |
| P056A | Cruise Control "Increase Distance" Signal | | |
| P056B | Cruise Control "Decrease Distance" Signal | | |
| P056C | ISO/SAE Reserved | | |
| P056D | ISO/SAE Reserved | | |
| P056E | ISO/SAE Reserved | | |
| P056F | ISO/SAE Reserved | | |
| P0570 | Cruise Control "Accelerate" Signal | | |
| P0571 | Brake Switch "A" Circuit | | |
| P0572 | Brake Switch "A" Circuit Low | | |
| P0573 | Brake Switch "A" Circuit High | | |
| P0574 | Cruise Control System - Vehicle Speed Too High | | |
| P0575 | Cruise Control Input Circuit | | |
| P0576 | Cruise Control Input Circuit Low | | |
| P0577 | Cruise Control Input Circuit High | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|-----------|
| P0578 | Cruise Control Multi-Function Input "A" Circuit Stuck | | 2 |
| P0579 | Cruise Control Multi-Function Input "A" Circuit Range/Performance | | 2 |
| P057A | ISO/SAE Reserved | | |
| P057B | ISO/SAE Reserved | | |
| P057C | ISO/SAE Reserved | | |
| P057D | ISO/SAE Reserved | | |
| P057E | ISO/SAE Reserved | | |
| P057F | ISO/SAE Reserved | | |
| P0580 | Cruise Control Multi-Function Input "A" Circuit Low | | 2 |
| P0581 | Cruise Control Multi-Function Input "A" Circuit High | | 2 |
| P0582 | Cruise Control Vacuum Control Circuit/Open | | |
| P0583 | Cruise Control Vacuum Control Circuit Low | | |
| P0584 | Cruise Control Vacuum Control Circuit High | | |
| P0585 | Cruise Control Multi-Function Input "A"/"B" Correlation | | |
| P0586 | Cruise Control Vent Control Circuit/Open | | |
| P0587 | Cruise Control Vent Control Circuit Low | | |
| P0588 | Cruise Control Vent Control Circuit High | | |
| P0589 | Cruise Control Multi-Function Input "B" Circuit | | |
| P058A | ISO/SAE Reserved | | |
| P058B | ISO/SAE Reserved | | |
| P058C | ISO/SAE Reserved | | |
| P058D | ISO/SAE Reserved | | |
| P058E | ISO/SAE Reserved | | |
| P058F | ISO/SAE Reserved | | |
| P0590 | Cruise Control Multi-Function Input "B" Circuit Stuck | | |
| P0591 | Cruise Control Multi-Function Input "B" Circuit Range/Performance | | |
| P0592 | Cruise Control Multi-Function Input "B" Circuit Low | | |
| P0593 | Cruise Control Multi-Function Input "B" Circuit High | | |
| P0594 | Cruise Control Servo Control Circuit/Open | | |
| P0595 | Cruise Control Servo Control Circuit Low | | |
| P0596 | Cruise Control Servo Control Circuit High | | |
| P0597 | Thermostat Heater Control Circuit/Open | | |
| P0598 | Thermostat Heater Control Circuit Low | | |
| P0599 | Thermostat Heater Control Circuit High | | |
| P059A – P05FF | ISO/SAE Reserved | | |
| | | | |

- 1) For DTCs P0540 P0543 also see P2604 P2609
- 2) For DTCs P0578 P0581 also see P0564
- a) The "A" camshaft shall be either the "intake," "left," or "front" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.
- b) The "B" camshaft shall be either the "exhaust," "right," or "rear" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.

TABLE D7 - P06XX COMPUTER AND AUXILIARY OUTPUTS

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P0600 | Serial Communication Link | | |
| P0601 | Internal Control Module Memory Check Sum Error | | |
| P0602 | Control Module Programming Error | | |
| P0603 | Internal Control Module Keep Alive Memory (KAM) Error | | |
| P0604 | Internal Control Module Random Access Memory (RAM) Error | | |
| P0605 | Internal Control Module Read Only Memory (ROM) Error | | |
| P0606 | Control Module Processor | | |
| P0607 | Control Module Performance | | |
| P0608 | Control Module VSS Output "A" | | |
| P0609 | Control Module VSS Output "B" | | |
| P060A | Internal Control Module Monitoring Processor Performance | | |
| P060B | Internal Control Module A/D Processing Performance | | |
| P060C | Internal Control Module Main Processor Performance | | |
| P060D | Internal Control Module Accelerator Pedal Position Performance | | |
| P060E | Internal Control Module Throttle Position Performance | | |
| P060F | Internal Control Module Coolant Temperature Performance | | |
| P0610 | Control Module Vehicle Options Error | | |
| P0611 | Fuel Injector Control Module Performance | | |
| P0612 | Fuel Injector Control Module Relay Control | | |
| P0613 | TCM Processor | | |
| P0614 | ECM/TCM Incompatible | | |
| P0615 | Starter Relay Circuit | | |
| P0616 | Starter Relay Circuit Low | | |
| P0617 | Starter Relay Circuit High | | |
| P0618 | Alternative Fuel Control Module KAM Error | | |
| P0619 | Alternative Fuel Control Module RAM/ROM Error | | |
| P061A | Internal Control Module Torque Performance | | |
| P061B | Internal Control Module Torque Calculation Performance | | |
| P061C | Internal Control Module Engine RPM Performance | | |
| P061D | Internal Control Module Engine Air Mass Performance | | |
| P061E | Internal Control Module Brake Signal Performance | | |
| P061F | Internal Control Module Throttle Actuator Controller Performance | | |
| P0620 | Generator Control Circuit | | |
| P0621 | Generator Lamp/L Terminal Circuit | | |
| P0622 | Generator Field/F Terminal Circuit | | |
| P0623 | Generator Lamp Control Circuit | | |
| P0624 | Fuel Cap Lamp Control Circuit | | |
| P0625 | Generator Field/F Terminal Circuit Low | | |
| P0626 | Generator Field/F Terminal Circuit High | | |
| P0627 | Fuel Pump "A" Control Circuit/Open | | |
| P0628 | Fuel Pump "A" Control Circuit Low | | |
| P0629 | Fuel Pump "A" Control Circuit High | | |
| P062A | Fuel Pump "A" Control Circuit Range/Performance | | |
| P062B | Internal Control Module Fuel Injector Control Performance | | |
| P062C | Internal Control Module Vehicle Speed Performance | | |
| P062D | Fuel Injector Driver Circuit Performance | Bank 1 | |
| P062E | Fuel Injector Driver Circuit Performance | Bank 2 | |
| P062F | Internal Control Module EEPROM Error | | |
| P0630 | VIN Not Programmed or Incompatible - ECM/PCM | | |
| P0631 | VIN Not Programmed or Incompatible - TCM | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0632 | Odometer Not Programmed - ECM/PCM | | |
| P0633 | Immobilizer Key Not Programmed - ECM/PCM | | |
| P0634 | PCM/ECM/TCM Internal Temperature "A" Too High | | |
| P0635 | Power Steering Control Circuit | | |
| P0636 | Power Steering Control Circuit Low | | |
| P0637 | Power Steering Control Circuit High | | |
| P0638 | Throttle Actuator Control Range/Performance | Bank 1 | |
| P0639 | Throttle Actuator Control Range/Performance | Bank 2 | |
| P063A | Generator Voltage Sense Circuit | | |
| P063B | Generator Voltage Sense Circuit Range/Performance | | |
| P063C | Generator Voltage Sense Circuit Low | | |
| P063D | Generator Voltage Sense Circuit High | | |
| P063E | Auto Configuration Throttle Input Not Present | | |
| P063F | Auto Configuration Engine Coolant Temperature Input Not Present | | |
| P0640 | Intake Air Heater Control Circuit | | |
| P0641 | Sensor Reference Voltage "A" Circuit/Open | | |
| P0642 | Sensor Reference Voltage "A" Circuit Low | | |
| P0643 | Sensor Reference Voltage "A" Circuit High | | |
| P0644 | Driver Display Serial Communication Circuit | | |
| 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 Control Circuit | | |
| P0649 | Speed Control Lamp Control Circuit | | |
| P064A | Fuel Pump Control Module | | |
| P064B | PTO Control Module | | |
| P064C | Glow Plug Control Module | | |
| P064D | Internal Control Module O2 Sensor Processor Performance | Bank 1 | |
| P064E | Internal Control Module O2 Sensor Processor Performance | Bank 2 | |
| P064F | Unauthorized Software/Calibration Detected | | |
| P0650 | Malfunction Indicator Lamp (MIL) Control Circuit | | |
| P0651 | Sensor Reference Voltage "B" Circuit/Open | | |
| P0652 | Sensor Reference Voltage "B" Circuit Low | | |
| P0653 | Sensor Reference Voltage "B" Circuit High | | |
| P0654 | Engine RPM Output Circuit | | |
| P0655 | Engine Hot Lamp Output Control Circuit | | |
| P0656 | Fuel Level Output Circuit | | |
| P0657 | Actuator Supply Voltage "A" Circuit/Open | | |
| P0658 | Actuator Supply Voltage "A" Circuit Low | | |
| P0659 | Actuator Supply Voltage "A" Circuit High | | |
| P065A | Generator System Performance | | |
| P065B | Generator Control Circuit Range/Performance | | |
| P065C | Generator Mechanical Performance | | |
| P065D | Reductant System Malfunction Lamp Control Circuit | | |
| P065E | Intake Manifold Tuning Valve Performance | Bank 1 | |
| P065F | Intake Manifold Tuning Valve Performance | Bank 2 | |
| P0660 | Intake Manifold Tuning Valve Control Circuit/Open | Bank 1 | С |
| P0661 | Intake Manifold Tuning Valve Control Circuit Low | Bank 1 | С |
| P0662 | Intake Manifold Tuning Valve Control Circuit High | Bank 1 | С |
| P0663 | Intake Manifold Tuning Valve Control Circuit/Open | Bank 2 | С |
| P0664 | Intake Manifold Tuning Valve Control Circuit Low | Bank 2 | С |
| P0665 | Intake Manifold Tuning Valve Control Circuit High | Bank 2 | С |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|------------|
| P0666 | PCM/ECM/TCM Internal Temperature Sensor "A" Circuit | | 1 00011000 |
| P0667 | PCM/ECM/TCM Internal Temperature Sensor "A" | | |
| | Range/Performance | | |
| P0668 | PCM/ECM/TCM Internal Temperature Sensor "A" Circuit Low | | |
| P0669 | PCM/ECM/TCM Internal Temperature Sensor "A" Circuit High | | |
| P066A | Cylinder 1 Glow Plug Control Circuit Low | | |
| P066B | Cylinder 1 Glow Plug Control Circuit High | | |
| P066C | Cylinder 2 Glow Plug Control Circuit Low | | |
| P066D | Cylinder 2 Glow Plug Control Circuit High | | |
| P066E | Cylinder 3 Glow Plug Control Circuit Low | | |
| P066F | Cylinder 3 Glow Plug Control Circuit High | | |
| P0670 | Glow Plug Control Module Control Circuit/Open | | |
| P0671 | Cylinder 1 Glow Plug Circuit/Open | | |
| P0672 | Cylinder 2 Glow Plug Circuit/Open | | |
| P0673 | Cylinder 3 Glow Plug Circuit/Open | | |
| P0674 | Cylinder 4 Glow Plug Circuit/Open | | |
| P0675 | Cylinder 5 Glow Plug Circuit/Open | | |
| P0676 | Cylinder 6 Glow Plug Circuit/Open | | |
| P0677 | Cylinder 7 Glow Plug Circuit/Open | | |
| P0678 | Cylinder 8 Glow Plug Circuit/Open | | |
| P0679 | Cylinder 9 Glow Plug Circuit/Open | | |
| P067A | Cylinder 4 Glow Plug Control Circuit Low | | |
| P067B | Cylinder 4 Glow Plug Control Circuit High | | Į. |
| P067C | Cylinder 5 Glow Plug Control Circuit Low | | j |
| P067D | Cylinder 5 Glow Plug Control Circuit High | | 1 |
| P067E | Cylinder 6 Glow Plug Control Circuit Low | | |
| P067F | Cylinder 6 Glow Plug Control Circuit High | | |
| P0680 | Cylinder 10 Glow Plug Circuit/Open | | |
| P0681 | Cylinder 11 Glow Plug Circuit/Open | | |
| P0682 | Cylinder 12 Glow Plug Circuit/Open | | 1 |
| P0683 | Glow Plug Control Module to PCM Communication Circuit | | |
| P0684 | Glow Plug Control Module to PCM Communication Circuit | | |
| | 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 | | |
| P068A | ECM/PCM Power Relay De-Energized Performance - Too Early | | |
| P068B | ECM/PCM Power Relay De-Energized Performance - Too Late | | |
| P068C | Cylinder 7 Glow Plug Control Circuit Low | | |
| P068D | Cylinder 7 Glow Plug Control Circuit High | | |
| P068E | Cylinder 8 Glow Plug Control Circuit Low | | |
| P068F | Cylinder 8 Glow Plug Control Circuit High | | |
| 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 Low | | |
| P0696 | Fan 3 Control Circuit High | | |
| P0697 | Sensor Reference Voltage "C" Circuit/Open | | |
| P0698 | Sensor Reference Voltage "C" Circuit Low | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|--|-----------|
| P0699 | Sensor Reference Voltage "C" Circuit High | | |
| P069A | Cylinder 9 Glow Plug Control Circuit Low | | |
| P069B | Cylinder 9 Glow Plug Control Circuit High | | |
| P069C | Cylinder 10 Glow Plug Control Circuit Low | | |
| P069D | Cylinder 10 Glow Plug Control Circuit High | | |
| P069E | Fuel Pump Control Module Requested MIL Illumination | | |
| P069F | Throttle Actuator Control Lamp Control Circuit | | |
| P06A0 | Variable A/C Compressor Control Circuit | | |
| P06A1 | Variable A/C Compressor Control Circuit Low | | |
| P06A2 | Variable A/C Compressor Control Circuit High | | |
| P06A3 | Sensor Reference Voltage "D" Circuit/Open | | |
| P06A4 | Sensor Reference Voltage "D" Circuit Low | | |
| P06A5 | Sensor Reference Voltage "D" Circuit High | | |
| P06A6 | Sensor Reference Voltage "A" Circuit Range/Performance | | |
| P06A7 | Sensor Reference Voltage "B" Circuit Range/Performance | | |
| P06A8 | Sensor Reference Voltage "C" Circuit Range/Performance | | |
| P06A9 | Sensor Reference Voltage "D" Circuit Range/Performance | | |
| P06AA | PCM/ECM/TCM Internal Temperature "B" Too High | | |
| P06AB | PCM/ECM/TCM Internal Temperature Sensor "B" Circuit | | |
| P06AC | PCM/ECM/TCM Internal Temperature Sensor "B" | | |
| | Range/Performance | | |
| P06AD | PCM/ECM/TCM Internal Temperature Sensor "B" Circuit Low | | |
| P06AE | PCM/ECM/TCM Internal Temperature Sensor "B" Circuit High | | |
| P06AF | Torque Management System - Forced Engine Shutdown | | |
| P06B0 | Sensor Power Supply "A" Circuit/Open | | |
| P06B1 | Sensor Power Supply "A" Circuit Low | | |
| P06B2 | Sensor Power Supply "A" Circuit High | | |
| P06B3 | Sensor Power Supply "B" Circuit/Open | | |
| P06B4 | Sensor Power Supply "B" Circuit Low | | |
| P06B5 | Sensor Power Supply "B" Circuit High | | |
| P06B6 | Internal Control Module Knock Sensor Processor 1 Performance | | |
| P06B7 | Internal Control Module Knock Sensor Processor 2 Performance | | |
| P06B8 | Internal Control Module Non-Volatile Random Access Memory | | |
| DOCDO | (NVRAM) Error | | |
| P06B9 | Cylinder 1 Glow Plug Circuit Range/Performance | | |
| P06BA | Cylinder 2 Glow Plug Circuit Range/Performance | | |
| P06BB | Cylinder 3 Glow Plug Circuit Range/Performance | | |
| P06BC | Cylinder 4 Glow Plug Circuit Range/Performance | | |
| P06BD | Cylinder 5 Glow Plug Circuit Range/Performance | | |
| P06BE | Cylinder 6 Glow Plug Circuit Range/Performance | | |
| P06BF P06C0 | Cylinder 7 Glow Plug Circuit Range/Performance | | |
| P06C0 P06C1 | Cylinder 8 Glow Plug Circuit Range/Performance | | |
| P06C1 | Cylinder 9 Glow Plug Circuit Range/Performance | | |
| P06C2 P06C3 | Cylinder 10 Glow Plug Circuit Range/Performance | | |
| P06C3 P06C4 | Cylinder 11 Glow Plug Circuit Range/Performance Cylinder 12 Glow Plug Circuit Range/Performance | | |
| P06C5 | Cylinder 12 Glow Plug Uncorrect | | |
| P06C5 P06C6 | Cylinder 2 Glow Plug Incorrect | | |
| P06C6 P06C7 | Cylinder 3 Glow Plug Incorrect | | |
| P06C7 P06C8 | Cylinder 4 Glow Plug Incorrect | | |
| P06C9 | Cylinder 5 Glow Plug Incorrect | | |
| P06CA | Cylinder 6 Glow Plug Incorrect | | |
| P06CB | Ordinates 7 Oleve Plans Income at | * 252* * * * * * * * * * * * * * * * * * | |
| 1.0000 | Cylinder / Glow Plug Incorrect | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|-----------|
| P06CC | Cylinder 8 Glow Plug Incorrect | | |
| P06CD | Cylinder 9 Glow Plug Incorrect | | |
| P06CE | Cylinder 10 Glow Plug Incorrect | | |
| P06CF | Cylinder 11 Glow Plug Incorrect | | |
| P06D0 | Cylinder 12 Glow Plug Incorrect | | |
| P06D1 | Internal Control Module Ignition Coil Control Performance | | |
| POSD2 - POSEE | ISO/SAE Reserved | | |

c) DTC Application note for Intake Manifold Tuning Valves and Intake Manifold Runner controls: Active controls are used to modify or control airflow within the engine air intake system. These controls may be used to enhance or modify in-cylinder airflow motion (charge motion), modify the airflow dynamics (manifold tuning) within the intake manifold or both. Devices that control charge motion are commonly called Intake Manifold Runner Control, Swirl Control Valve, and Charge Motion Control Valve. The ISO/SAE recommended term for any device that controls charge motion is Intake Manifold Runner Control (IMRC). Devices that control manifold dynamics or manifold tuning are commonly called Intake Manifold Tuning Valve, Long/Short Runner Control and Intake Manifold Communication Control. The SAE recommended term for any device that controls manifold tuning is Intake Manifold Tuning (IMT) Valve.

TABLE D8 - P07XX TRANSMISSION

| | TABLE BO T GIAGO TO A MICE OF THE MICE OF | | |
|------------|---|----------|-----------|
| DTC Number | DTC Naming | Location | Foot Note |
| P0700 | Transmission Control System (MIL Request) | | |
| P0701 | Transmission Control System Range/Performance | | |
| P0702 | Transmission Control System Electrical | | |
| P0703 | Brake Switch "B" Circuit | | |
| P0704 | Clutch Switch Input Circuit | | |
| P0705 | Transmission Range Sensor "A" Circuit (PRNDL Input) | | |
| P0706 | Transmission Range Sensor "A" Circuit Range/Performance | | |
| P0707 | Transmission Range Sensor "A" Circuit Low | | |
| P0708 | Transmission Range Sensor "A" Circuit High | | |
| P0709 | Transmission Range Sensor "A" Circuit Intermittent | | |
| P070A | Transmission Fluid Level Sensor Circuit | | |
| P070B | Transmission Fluid Level Sensor Circuit Range/Performance | | |
| P070C | Transmission Fluid Level Sensor Circuit Low | | |
| P070D | Transmission Fluid Level Sensor Circuit High | | |
| P070E | Transmission Fluid Level Sensor Circuit intermittent/Erratic | | |
| P070F | Transmission Fluid Level Too Low | | |
| P0710 | Transmission Fluid Temperature Sensor "A" Circuit | | |
| P0711 | Transmission Fluid Temperature Sensor "A" Circuit | | |
| 1 | Range/Performance | | |
| P0712 | Transmission Fluid Temperature Sensor "A" Circuit Low | | |
| P0713 | Transmission Fluid Temperature Sensor "A" Circuit High | | |
| P0714 | Transmission Fluid Temperature Sensor "A" Circuit Intermittent | | |
| P0715 | Input/Turbine Speed Sensor "A" Circuit | | |
| P0716 | Input/Turbine Speed Sensor "A" Circuit Range/Performance | | |
| P0717 | Input/Turbine Speed Sensor "A" Circuit No Signal | | |
| P0718 | Input/Turbine Speed Sensor "A" Circuit Intermittent | | |
| P0719 | Brake Switch "B" Circuit Low | | |
| P071A | Transmission Mode Switch "A" Circuit | | |
| P071B | Transmission Mode Switch "A" Circuit Low | | |
| P071C | Transmission Mode Switch "A" Circuit High | | |
| P071D | Transmission Mode Switch "B" Circuit | | |
| P071E | Transmission Mode Switch "B" Circuit Low | | |
| P071F | Transmission Mode Switch "B" Circuit High | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-------------|
| P0720 | Output Speed Sensor Circuit | | 1 000 11010 |
| P0721 | Output Speed Sensor Circuit Range/Performance | | |
| P0722 | Output Speed Sensor Circuit No Signal | | |
| P0723 | Output Speed Sensor Circuit Intermittent | | |
| P0724 | Brake Switch "B" Circuit High | | |
| P0725 | Engine Speed Input Circuit | | |
| P0726 | Engine Speed Input Circuit Range/Performance | | |
| P0727 | Engine Speed Input Circuit No Signal | | |
| P0728 | Engine Speed Input Circuit Intermittent | | |
| P0729 | Gear 6 Incorrect Ratio | | |
| P072A | Stuck in Neutral | | |
| P072B | Stuck In Reverse | | |
| P072C | Stuck in Gear 1 | | |
| P072D | Stuck in Gear 2 | | |
| P072E | Stuck in Gear 3 | | |
| P072F | Stuck in Gear 4 | | |
| P0730 | Incorrect Gear Ratio | | |
| P0731 | Gear 1 Incorrect Ratio | | |
| P0732 | Gear 2 Incorrect Ratio | | |
| P0733 | Gear 3 Incorrect Ratio | | |
| P0734 | Gear 4 Incorrect Ratio | | |
| P0735 | Gear 5 Incorrect Ratio | | |
| P0736 | Reverse Incorrect Ratio | | |
| P0737 | TCM Engine Speed Output Circuit | | |
| P0738 | TCM Engine Speed Output Circuit Low | | |
| P0739 | TCM Engine Speed Output Circuit High | | |
| P073A | Stuck in Gear 5 | | |
| P073B | Stuck in Gear 6 | | |
| P073C | Stuck in Gear 7 | | |
| P073D | Unable to Engage Neutral | | |
| P073E | Unable to Engage Reverse | | |
| P073F | Unable to Engage Gear 1 | | |
| P0740 | Torque Converter Clutch Circuit/Open | | |
| P0741 | Torque Converter Clutch Circuit Performance/Stuck Off | | |
| P0742 | Torque Converter Clutch Circuit Stuck On | | |
| P0743 | Torque Converter Clutch Circuit Electrical | | |
| P0744 | Torque Converter Clutch Circuit Intermittent | | |
| P0745 | Pressure Control Solenoid "A" | | |
| P0746 | Pressure Control Solenoid "A" Performance/Stuck Off | | |
| P0747 | Pressure Control Solenoid "A" Stuck On | | |
| P0748 | Pressure Control Solenoid "A" Electrical | | |
| P0749 | Pressure Control Solenoid "A" Intermittent | | |
| P074A | Unable To Engage Gear 2 | | |
| P074B | Unable To Engage Gear 3 | | |
| P074C | Unable To Engage Gear 4 | | |
| P074D | Unable To Engage Gear 5 | | |
| P074E | Unable To Engage Gear 6 | | |
| P074F | Unable To Engage Gear 7 | | |
| P0750 | Shift Solenoid "A" | | |
| P0751 | Shift Solenoid "A" Performance/Stuck Off | | |
| P0752 | Shift Solenoid "A" Stuck On | | |
| P0753 | Shift Solenoid "A" Electrical | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0754 | Shift Solenoid "A" Intermittent | | |
| P0755 | Shift Solenoid "B" | | |
| P0756 | Shift Solenoid "B" Performance/Stuck Off | | |
| P0757 | Shift Solenoid "B" Stuck On | | |
| P0758 | Shift Solenoid "B" Electrical | | |
| P0759 | Shift Solenoid "B" Intermittent | | |
| P075A | Shift Solenoid "G" | | |
| P075B | Shift Solenoid "G" Performance/Stuck Off | | |
| P075C | Shift Solenoid "G" Stuck On | | |
| P075D | Shift Solenoid "G" Electrical | | |
| P075E | Shift Solenoid "G" Intermittent | | |
| P075F | Transmission Fluid Level Too High | | |
| P0760 | Shift Solenoid "C" | | |
| P0761 | Shift Solenoid "C" Performance/Stuck Off | | |
| P0762 | Shift Solenoid "C" Stuck On | | |
| P0763 | Shift Solenoid "C" Electrical | | |
| P0764 | Shift Solenoid "C" Intermittent | | |
| P0765 | Shift Solenoid "D" | | |
| P0766 | Shift Solenoid "D" Performance/Stuck Off | | |
| P0767 | Shift Solenoid "D" Stuck On | | |
| P0768 | Shift Solenoid "D" Electrical | | |
| P0769 | Shift Solenoid "D" Intermittent | | |
| P076A | Shift Solenoid "H" | | |
| P076B | Shift Solenoid "H" Performance/Stuck Off | | |
| P076C | Shift Solenoid "H" Stuck On | | |
| P076D | Shift Solenoid "H" Electrical | | |
| P076E | Shift Solenoid "H" Intermittent | | |
| P076F | Gear 7 Incorrect Ratio | | |
| P0770 | Shift Solenoid "E" | | |
| P0771 | Shift Solenoid "E" Performance/Stuck Off | | |
| P0772 | Shift Solenoid "E" Stuck On | | |
| P0773 | Shift Solenoid "E" Electrical | | |
| P0774 | Shift Solenoid "E" Intermittent | | |
| P0775 | Pressure Control Solenoid "B" | | |
| P0776 | Pressure Control Solenoid "B" Performance/Stuck Off | | |
| P0777 | Pressure Control Solenoid "B" Stuck On | | |
| P0778 | Pressure Control Solenoid "B" Electrical | | |
| P0779 | Pressure Control Solenoid "B" Intermittent | | |
| P077A | Output Speed Sensor Circuit - Loss of Direction Signal | | |
| P077B | Output Speed Sensor Circuit - Direction Error | | |
| P077C | ISO/SAE Reserved | | |
| P077D | ISO/SAE Reserved | | |
| P077E | ISO/SAE Reserved | | |
| P077F | ISO/SAE Reserved | | |
| P0780 | Shift Error | | |
| P0781 | 1-2 Shift | | |
| P0782 | 2-3 Shift | | |
| P0783 | 3-4 Shift | | |
| P0784 | 4-5 Shift | | |
| P0785 | Shift Timing Solenoid "A" Shift Timing Solenoid "A" Bengo/Berfermance | | |
| P0786 | Shift Timing Solonoid "A" Range/Performance | | |
| P0787 | Shift Timing Solenoid "A" Low | | |

| DTC Number | DTC Naming | Location | Foot Note |
|--------------|---|----------|-----------|
| P0788 | Shift Timing Solenoid "A" High | Location | 100011000 |
| P0789 | Shift Timing Solenoid "A" Intermittent | | |
| P078A | Shift Timing Solenoid "B" | | |
| P078B | Shift Timing Solenoid "B" Range/Performance | | |
| P078C | Shift Timing Solenoid "B" Low | | |
| P078D | Shift Timing Solenoid "B" High | | |
| P078E | Shift Timing Solenoid "B" Intermittent | | |
| P078F | ISO/SAE Reserved | | |
| P0790 | Normal/Performance Switch Circuit | | |
| 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" Circuit Intermittent | | |
| P0795 | Pressure Control Solenoid "C" | | |
| P0796 | Pressure Control Solenoid "C" Performance/Stuck Off | | |
| P0797 | Pressure Control Solenoid "C" Stuck On | | |
| P0798 | Pressure Control Solenoid "C" Electrical | | |
| P0799 | Pressure Control Solenoid "C" Intermittent | | |
| P079A | Transmission Friction Element "A" Slip Detected | | |
| P079B | Transmission Friction Element "B" Slip Detected | | |
| P079C | Transmission Friction Element "C" Slip Detected | | |
| P079D | Transmission Friction Element "D" Slip Detected | | |
| P079E | Transmission Friction Element "E" Slip Detected | | |
| P079F | Transmission Friction Element "F" Slip Detected | | |
| P07A0 | Transmission Friction Element "G" Slip Detected | | |
| P07A1 | Transmission Friction Element "H" Slip Detected | | |
| P07A2 | Transmission Friction Element "A" Performance/Stuck Off | | |
| P07A3 | Transmission Friction Element "A" Stuck On | | |
| P07A4 | Transmission Friction Element "B" Performance/Stuck Off | | |
| P07A5 | Transmission Friction Element "B" Stuck On | | |
| P07A6 | Transmission Friction Element "C" Performance/Stuck Off | | |
| P07A7 | Transmission Friction Element "C" Stuck On | | |
| P07A8 | Transmission Friction Element "D" Performance/Stuck Off | | |
| P07A9 | Transmission Friction Element "D" Stuck On | | |
| P07AA | Transmission Friction Element "E" Performance/Stuck Off | | |
| P07AB | Transmission Friction Element "E" Stuck On | | |
| P07AC | Transmission Friction Element "F" Performance/Stuck Off | | |
| P07AD | Transmission Friction Element "F" Stuck On | | |
| P07AE | Transmission Friction Element "G" Performance/Stuck Off | | |
| P07AF | Transmission Friction Element "G" Stuck On | | |
| P07B0 | Transmission Friction Element "H" Performance/Stuck Off | | |
| P07B1 | Transmission Friction Element "H" Stuck On | | |
| P07B2 | Transmission Park Position Sensor/Switch "A" Circuit/Open | | |
| P07B3 | Transmission Park Position Sensor/Switch "A" Circuit Low | | |
| P07B4 | Transmission Park Position Sensor/Switch "A" Circuit High | | |
| P07B5 | Transmission Park Position Sensor/Switch "A" Circuit Tright | | |
| 1 07 00 | Performance/Low | | |
| P07B6 | Transmission Park Position Sensor/Switch "A" Circuit Performance High | | |
| P07B7 | Transmission Park Position Sensor/Switch "A" Circuit Intermittent/Erratic | | |
| P07B8 | Transmission Park Position Sensor/Switch "B" Circuit/Open | | |
| P07B9 | Transmission Park Position Sensor/Switch "B" Circuit Low | | |
| - | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P07BA | Transmission Park Position Sensor/Switch "B" Circuit High | | |
| P07BB | Transmission Park Position Sensor/Switch "B" Circuit | | |
| | Performance/Low | | |
| P07BC | Transmission Park Position Sensor/Switch "B" Circuit Performance | | |
| | High | | |
| P07BD | Transmission Park Position Sensor/Switch "B" Circuit | | |
| | Intermittent/Erratic | | |
| P07BE | Transmission Park Position Sensor/Switch "A"/"B" Correlation | | |
| P07BF – P07FF | ISO/SAE Reserved | | |

TABLE D9 - P08XX TRANSMISSION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0800 | Transfer Case Control System (MIL Request) | | |
| P0801 | Reverse Inhibit Control Circuit | | |
| P0802 | Transmission Control System MIL Request Circuit/Open | | |
| P0803 | Upshift/Skip Shift Solenoid Control Circuit | | |
| P0804 | Upshift/Skip Shift Lamp Control Circuit | | |
| P0805 | Clutch Position Sensor Circuit | | |
| 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 | | |
| P080A | Clutch Position Not Learned | | |
| P080B | Upshift/Skip Shift Solenoid Control Circuit Range/Performance | | |
| P080C | Upshift/Skip Shift Solenoid Control Circuit Low | | |
| P080D | Upshift/Skip Shift Solenoid Control Circuit High | | |
| P080E | ISO/SAE Reserved | | |
| P080F | ISO/SAE Reserved | | |
| P0810 | Clutch Position Control Error | | |
| P0811 | Excessive Clutch "A" Slippage | | |
| P0812 | Reverse Input Circuit | | |
| P0813 | Reverse Output Circuit | | |
| P0814 | Transmission Range Display Circuit | | |
| P0815 | Upshift Switch Circuit | | |
| P0816 | Downshift Switch Circuit | | |
| P0817 | Starter Disable Circuit/Open | | |
| P0818 | Driveline Disconnect Switch Input Circuit | | |
| P0819 | Up and Down Shift Switch to Transmission Range Correlation | | |
| P081A | Starter Disable Circuit Low | | |
| P081B | Starter Disable Circuit High | | |
| P081C | Park Input Circuit | | |
| P081D | Neutral Input Circuit | | |
| P081E | Excessive Clutch "B" Slippage | | |
| P081F | ISO/SAE Reserved | | |
| P0820 | Gear Lever X-Y Position Sensor Circuit | | |
| P0821 | Gear Lever X Position Circuit | | |
| P0822 | Gear Lever Y Position Circuit | | |
| P0823 | Gear Lever X Position Circuit Intermittent | | |
| P0824 | Gear Lever Y Position Circuit Intermittent | | |
| P0825 | Gear Lever Push-Pull Switch (Shift Anticipate) | | |
| P0826 | Up and Down Shift Switch Circuit | | |
| P0827 | Up and Down Shift Switch Circuit Low | | |
| | T | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P0828 | Up and Down Shift Switch Circuit High | | |
| P0829 | 5-6 Shift | | |
| P082A | Gear Lever X Position Circuit Range/Performance | | |
| P082B | Gear Lever X Position Circuit Low | | |
| P082C | Gear Lever X Position Circuit High | | |
| P082D | Gear Lever Y Position Circuit Range/Performance | | |
| P082E | Gear Lever Y Position Circuit Low | | |
| P082F | Gear Lever Y Position Circuit High | | |
| P0830 | Clutch Pedal Switch "A" Circuit | | |
| P0831 | Clutch Pedal Switch "A" Circuit Low | | |
| P0832 | Clutch Pedal Switch "A" Circuit High | | |
| P0833 | Clutch Pedal Switch "B" Circuit | | |
| P0834 | Clutch Pedal Switch "B" Circuit Low | | |
| P0835 | Clutch Pedal Switch "B" Circuit High | | |
| P0836 | Four Wheel Drive (4WD) Switch Circuit | | |
| P0837 | Four Wheel Drive (4WD) Switch Circuit Range/Performance | | |
| P0838 | Four Wheel Drive (4WD) Switch Circuit Low | | |
| P0839 | Four Wheel Drive (4WD) Switch Circuit High | | |
| P083A | Transmission Fluid Pressure Sensor/Switch "G" Circuit | | |
| P083B | Transmission Fluid Pressure Sensor/Switch "G" Circuit Transmission Fluid Pressure Sensor/Switch "G" Circuit | | |
| F003D | Range/Performance | | |
| P083C | Transmission Fluid Pressure Sensor/Switch "G" Circuit Low | | |
| P083D | Transmission Fluid Pressure Sensor/Switch "G" Circuit High | | |
| P083E | Transmission Fluid Pressure Sensor/Switch "G" Circuit Intermittent | | |
| P083F | Clutch Pedal Switch "A"/"B" Correlation | | |
| P0840 | Transmission Fluid Pressure Sensor/Switch "A" Circuit | | |
| P0841 | Transmission Fluid Pressure Sensor/Switch "A" Circuit | | |
| 1 00-1 | Range/Performance | | |
| P0842 | Transmission Fluid Pressure Sensor/Switch "A" Circuit Low | | |
| P0843 | Transmission Fluid Pressure Sensor/Switch "A" Circuit High | | |
| P0844 | Transmission Fluid Pressure Sensor/Switch "A" Circuit Intermittent | | |
| P0845 | Transmission Fluid Pressure Sensor/Switch "B" Circuit | | |
| P0846 | Transmission Fluid Pressure Sensor/Switch "B" Circuit | | |
| | Range/Performance | | |
| P0847 | Transmission Fluid Pressure Sensor/Switch "B" Circuit Low | | |
| P0848 | Transmission Fluid Pressure Sensor/Switch "B" Circuit High | | |
| P0849 | Transmission Fluid Pressure Sensor/Switch "B" Circuit Intermittent | | |
| P084A | Transmission Fluid Pressure Sensor/Switch "H" Circuit | | |
| P084B | Transmission Fluid Pressure Sensor/Switch "H" Circuit | | |
| | Range/Performance | | |
| P084C | Transmission Fluid Pressure Sensor/Switch "H" Circuit Low | | |
| P084D | Transmission Fluid Pressure Sensor/Switch "H" Circuit High | | |
| P084E | Transmission Fluid Pressure Sensor/Switch "H" Circuit Intermittent | | |
| P084F | Park/Neutral Switch Output Circuit | | |
| P0850 | Park/Neutral Switch Input Circuit | | |
| P0851 | Park/Neutral Switch Input Circuit Low | | |
| P0852 | Park/Neutral Switch Input Circuit High | | |
| P0853 | Drive Switch Input Circuit | | |
| P0854 | Drive Switch Input Circuit Low | | |
| P0855 | Drive Switch Input Circuit High | | |
| P0856 | Traction Control Input Signal | | |
| P0857 | Traction Control Input Signal Range/Performance | | |
| P0858 | Traction Control Input Signal Low | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0859 | Traction Control Input Signal High | | |
| P085A | Gear Shift Control Module "B" Communication Circuit | | |
| P085B | Gear Shift Control Module "B" Communication Circuit Low | | |
| P085C | Gear Shift Control Module "B" Communication Circuit High | | |
| P085D | Gear Shift Control Module "A" Performance | | |
| P085E | Gear Shift Control Module "B" Performance | | |
| P085F | ISO/SAE Reserved | | |
| P0860 | Gear Shift Control Module "A" Communication Circuit | | |
| P0861 | Gear Shift Control Module "A" Communication Circuit Low | | |
| P0862 | Gear Shift Control Module "A" Communication Circuit High | | |
| P0863 | TCM Communication Circuit | | |
| P0864 | TCM Communication Circuit Range/Performance | | |
| P0865 | TCM Communication Circuit Low | | |
| P0866 | TCM Communication Circuit High | | |
| P0867 | Transmission Fluid Pressure | | |
| P0868 | Transmission Fluid Pressure Low | | |
| P0869 | Transmission Fluid Pressure High | | |
| P086A | ISO/SAE Reserved | | |
| P086B | ISO/SAE Reserved | | |
| P086C | ISO/SAE Reserved | | |
| P086D | ISO/SAE Reserved | | |
| P086E | ISO/SAE Reserved | | |
| P086F | ISO/SAE Reserved | | |
| P0870 | Transmission Fluid Pressure Sensor/Switch "C" Circuit | | |
| P0871 | Transmission Fluid Pressure Sensor/Switch "C" Circuit | | |
| | Range/Performance | | |
| P0872 | Transmission Fluid Pressure Sensor/Switch "C" Circuit Low | | |
| P0873 | Transmission Fluid Pressure Sensor/Switch "C" Circuit High | | |
| P0874 | Transmission Fluid Pressure Sensor/Switch "C" Circuit Intermittent | | |
| P0875 | Transmission Fluid Pressure Sensor/Switch "D" Circuit | | |
| P0876 | Transmission Fluid Pressure Sensor/Switch "D" Circuit | | |
| P0877 | Range/Performance Transmission Fluid Pressure Sensor/Switch "D" Circuit Low | | |
| P0878 | Transmission Fluid Pressure Sensor/Switch "D" Circuit High | | |
| P0879 | Transmission Fluid Pressure Sensor/Switch "D" Circuit Intermittent | | |
| P087A | ISO/SAE Reserved | | |
| P087B | ISO/SAE Reserved | | |
| P087C | ISO/SAE Reserved | | |
| P087D | ISO/SAE Reserved | | |
| P087E | ISO/SAE Reserved | | |
| P087F | ISO/SAE Reserved | | |
| P0880 | TCM Power Input Signal | | |
| P0881 | TCM Power Input Signal Range/Performance | | |
| P0882 | TCM Power Input Signal Low | | |
| P0883 | TCM Power Input Signal High | | |
| P0884 | TCM Power Input Signal Intermittent | | |
| P0885 | TCM Power Relay Control Circuit/Open | | |
| P0886 | TCM Power Relay Control Circuit Low | | |
| P0887 | TCM Power Relay Control Circuit High | | |
| P0888 | TCM Power Relay Sense Circuit | | |
| P0889 | TCM Power Relay Sense Circuit Range/Performance | | |
| P088A | Transmission Fluid Filter Deteriorated | | |
| P088B | Transmission Fluid Filter Very Deteriorated | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P088C | ISO/SAE Reserved | | |
| P088D | ISO/SAE Reserved | | |
| P088E | ISO/SAE Reserved | | |
| P088F | ISO/SAE Reserved | | |
| P0890 | TCM Power Relay Sense Circuit Low | | |
| P0891 | TCM Power Relay Sense Circuit High | | |
| P0892 | TCM Power Relay Sense Circuit Intermittent | | |
| P0893 | Multiple Gears Engaged | | |
| P0894 | Transmission Component Slipping | | |
| P0895 | Shift Time Too Short | | |
| P0896 | Shift Time Too Long | | |
| P0897 | Transmission Fluid Deteriorated | | |
| P0898 | Transmission Control System MIL Request Circuit Low | | |
| P0899 | Transmission Control System MIL Request Circuit High | | |
| P089A – P08FF | ISO/SAE Reserved | | |

TABLE D10 - P09XX TRANSMISSION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P0900 | Clutch Actuator Circuit/Open | | |
| P0901 | Clutch Actuator Circuit Range/Performance | | |
| P0902 | Clutch Actuator Circuit Low | | |
| P0903 | Clutch Actuator Circuit High | | |
| P0904 | Gate Select Position Circuit | | |
| P0905 | Gate Select Position Circuit Range/Performance | | |
| P0906 | Gate Select Position Circuit Low | | |
| P0907 | Gate Select Position Circuit High | | |
| P0908 | Gate Select Position Circuit Intermittent | | |
| P0909 | Gate Select Control Error | | |
| P090A | ISO/SAE Reserved | | |
| P090B | ISO/SAE Reserved | | |
| P090C | ISO/SAE Reserved | | |
| P090D | ISO/SAE Reserved | | |
| P090E | ISO/SAE Reserved | | |
| P090F | ISO/SAE Reserved | | |
| P0910 | Gate Select Actuator Circuit/Open | | |
| P0911 | Gate Select Actuator Circuit Range/Performance | | |
| P0912 | Gate Select Actuator Circuit Low | | |
| P0913 | Gate Select Actuator Circuit High | | |
| P0914 | Gear Shift Position Circuit | | |
| P0915 | Gear Shift Position Circuit Range/Performance | | |
| P0916 | Gear Shift Position Circuit Low | | |
| P0917 | Gear Shift Position Circuit High | | |
| P0918 | Gear Shift Position Circuit Intermittent | | |
| P0919 | Gear Shift Position Control Error | | |
| P091A | ISO/SAE Reserved | | |
| P091B | ISO/SAE Reserved | | |
| P091C | ISO/SAE Reserved | | |
| P091D | ISO/SAE Reserved | | |
| P091E | ISO/SAE Reserved | | |
| P091F | ISO/SAE Reserved | | |
| P0920 | Gear Shift Forward Actuator Circuit/Open | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-------------|
| P0921 | Gear Shift Forward Actuator Circuit Range/Performance | | 1 000111000 |
| P0922 | Gear Shift Forward Actuator Circuit Low | | |
| P0923 | Gear Shift Forward Actuator Circuit High | | |
| P0924 | Gear Shift Reverse Actuator Circuit/Open | | |
| P0925 | Gear Shift Reverse Actuator Circuit Range/Performance | | |
| P0926 | Gear Shift Reverse Actuator Circuit Low | | |
| P0927 | Gear Shift Reverse Actuator Circuit High | | |
| P0928 | Gear Shift Lock Solenoid/Actuator Control Circuit "A"/Open | | |
| P0929 | Gear Shift Lock Solenoid/Actuator Control Circuit "A" Range/Performance | | |
| P092A | Gear Shift Lock Solenoid/Actuator Control Circuit "B"/Open | | |
| P092B | Gear Shift Lock Solenoid/Actuator Control Circuit "B" Range/Performance | | |
| P092C | Gear Shift Lock Solenoid/Actuator Control Circuit "B" Low | | |
| P092D | Gear Shift Lock Solenoid/Actuator Control Circuit "B" High | | |
| P092E | ISO/SAE Reserved | | |
| P092F | ISO/SAE Reserved | | |
| P0930 | Gear Shift Lock Solenoid/Actuator Control Circuit "A" Low | | |
| P0931 | Gear Shift Lock Solenoid/Actuator Control Circuit "A" High | | |
| P0932 | Hydraulic Pressure Sensor Circuit | | |
| P0933 | Hydraulic Pressure Sensor Range/Performance | | |
| P0934 | Hydraulic Pressure Sensor Circuit Low | | |
| P0935 | Hydraulic Pressure Sensor Circuit High | | |
| P0936 | Hydraulic Pressure Sensor Circuit Intermittent | | |
| P0937 | Hydraulic Oil Temperature Sensor Circuit | | |
| P0938 | Hydraulic Oil Temperature Sensor Range/Performance | | |
| P0939 | Hydraulic Oil Temperature Sensor Circuit Low | | |
| P093A | ISO/SAE Reserved | | |
| P093B | ISO/SAE Reserved | | |
| P093C | ISO/SAE Reserved | | |
| P093D | ISO/SAE Reserved | | |
| P093E | ISO/SAE Reserved | | |
| P093F | ISO/SAE Reserved | | |
| P0940 | Hydraulic Oil Temperature Sensor Circuit High | | |
| P0941 | Hydraulic Oil Temperature Sensor Circuit Intermittent | | |
| P0942 | Hydraulic Pressure Unit | | |
| P0943 | Hydraulic Pressure Unit Cycling Period Too Short | | |
| P0944 | Hydraulic Pressure Unit Loss of Pressure | | |
| P0945 | Hydraulic Pump Relay Circuit/Open | | |
| P0946 | Hydraulic Pump Relay Circuit Range/Performance | | |
| P0947 | Hydraulic Pump Relay Circuit Low | | |
| P0948 | Hydraulic Pump Relay Circuit High | | |
| P0949 | Auto Shift Manual Adaptive Learning Not Complete | | |
| P094A | ISO/SAE Reserved | | |
| P094B | ISO/SAE Reserved | | |
| P094C | ISO/SAE Reserved | | |
| P094D | ISO/SAE Reserved | | |
| P094E | ISO/SAE Reserved | | |
| P094F | ISO/SAE Reserved | | |
| P0950 | Auto Shift Manual Control Circuit | | |
| P0951 | Auto Shift Manual Control Circuit Range/Performance | | |
| P0952 | Auto Shift Manual Control Circuit Low | | |
| P0953 | Auto Shift Manual Control Circuit High | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0954 | Auto Shift Manual Control Circuit Intermittent | | |
| P0955 | Auto Shift Manual Mode Circuit | | |
| P0956 | Auto Shift Manual Mode Circuit Range/Performance | | |
| P0957 | Auto Shift Manual Mode Circuit Low | | |
| P0958 | Auto Shift Manual Mode Circuit High | | |
| P0959 | Auto Shift Manual Mode Circuit Intermittent | | |
| P095A | ISO/SAE Reserved | | |
| P095B | ISO/SAE Reserved | | |
| P095C | ISO/SAE Reserved | | |
| P095D | ISO/SAE Reserved | | |
| P095E | ISO/SAE Reserved | | |
| P095F | ISO/SAE Reserved | | |
| P0960 | Pressure Control Solenoid "A" Control Circuit/Open | | |
| P0961 | Pressure Control Solenoid "A" Control Circuit 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 Circuit 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 Circuit Range/Performance | | |
| P096A | ISO/SAE Reserved | | |
| P096B | ISO/SAE Reserved | | |
| P096C | ISO/SAE Reserved | | |
| P096D | ISO/SAE Reserved | | |
| P096E | ISO/SAE Reserved | | |
| P096F | ISO/SAE Reserved | | |
| P0970 | Pressure Control Solenoid "C" Control Circuit Low | | |
| P0971 | Pressure Control Solenoid "C" Control Circuit High | | |
| P0972 | Shift Solenoid "A" Control Circuit Range/Performance | | |
| P0973 | Shift Solenoid "A" Control Circuit Low | | |
| P0974 | Shift Solenoid "A" Control Circuit High | | |
| P0975 | Shift Solenoid "B" Control Circuit Range/Performance | | |
| P0976 | Shift Solenoid "B" Control Circuit Low | | |
| P0977 | Shift Solenoid "B" Control Circuit High | | |
| P0978 | Shift Solenoid "C" Control Circuit Range/Performance | | |
| P0979 | Shift Solenoid "C" Control Circuit Low | | |
| P097A | ISO/SAE Reserved | | |
| P097B | ISO/SAE Reserved | | |
| P097C | ISO/SAE Reserved | | |
| P097D | ISO/SAE Reserved | | |
| P097E | ISO/SAE Reserved | | |
| P097F | ISO/SAE Reserved | | |
| P0980 | Shift Solenoid "C" Control Circuit High | | |
| P0981 | Shift Solenoid "D" Control Circuit Range/Performance | | |
| P0982 | Shift Solenoid "D" Control Circuit Low | | |
| P0983 | Shift Solenoid "D" Control Circuit High | | |
| P0984 | Shift Solenoid "E" Control Circuit Range/Performance | | |
| P0985 | Shift Solenoid "E" Control Circuit Low | | |
| P0986 | Shift Solenoid "E" Control Circuit High | | |
| P0987 | Transmission Fluid Pressure Sensor/Switch "E" Circuit | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P0988 | Transmission Fluid Pressure Sensor/Switch "E" Circuit | | |
| | Range/Performance | | |
| P0989 | Transmission Fluid Pressure Sensor/Switch "E" Circuit Low | | |
| P098A | ISO/SAE Reserved | | |
| P098B | ISO/SAE Reserved | | |
| P098C | ISO/SAE Reserved | | |
| P098D | ISO/SAE Reserved | | |
| P098E | ISO/SAE Reserved | | |
| P098F | ISO/SAE Reserved | | |
| P0990 | Transmission Fluid Pressure Sensor/Switch "E" Circuit High | | |
| P0991 | Transmission Fluid Pressure Sensor/Switch "E" Circuit Intermittent | | |
| P0992 | Transmission Fluid Pressure Sensor/Switch "F" Circuit | | |
| P0993 | Transmission Fluid Pressure Sensor/Switch "F" Circuit | | |
| | Range/Performance | | |
| P0994 | Transmission Fluid Pressure Sensor/Switch "F" Circuit Low | | |
| P0995 | Transmission Fluid Pressure Sensor/Switch "F" Circuit High | | |
| P0996 | Transmission Fluid Pressure Sensor/Switch "F" Circuit Intermittent | | |
| P0997 | Shift Solenoid "F" Control Circuit Range/Performance | | |
| P0998 | Shift Solenoid "F" Control Circuit Low | | |
| P0999 | Shift Solenoid "F" Control Circuit High | | |
| P099A | Shift Solenoid "G" Control Circuit Range/Performance | | |
| P099B | Shift Solenoid "G" Control Circuit Low | | |
| P099C | Shift Solenoid "G" Control Circuit High | | |
| P099D | Shift Solenoid "H" Control Circuit Range/Performance | | |
| P099E | Shift Solenoid "H" Control Circuit Low | | |
| P099F | Shift Solenoid "H" Control Circuit High | | |
| P09A0 – P09FF | ISO/SAE Reserved | | |

TABLE D11 - POAXX HYBRID PROPULSION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0A00 | Motor Electronics Coolant Temperature Sensor Circuit | _ | _ |
| | Motor Electronics Coolant Temperature Sensor Circuit | | |
| P0A01 | Range/Performance | | |
| P0A02 | Motor Electronics Coolant Temperature Sensor Circuit Low | | |
| P0A03 | Motor Electronics Coolant Temperature Sensor Circuit High | | |
| P0A04 | Motor Electronics Coolant Temperature Sensor Circuit Intermittent | | |
| P0A05 | Motor Electronics Coolant Pump "A" Control Circuit/Open | | |
| P0A06 | Motor Electronics Coolant Pump "A" Control Circuit Low | | |
| P0A07 | Motor Electronics Coolant Pump "A" Control Circuit High | | |
| P0A08 | DC/DC Converter Status Circuit | | |
| P0A09 | DC/DC Converter Status Circuit Low | | |
| P0A0A | High Voltage System Interlock Circuit | | |
| P0A0B | High Voltage System Interlock Circuit Performance | | |
| P0A0C | High Voltage System Interlock Circuit Low | | |
| P0A0D | High Voltage System Interlock Circuit High | | |
| P0A0E | High Voltage System Interlock Circuit Intermittent | | |
| P0A0F | Engine Failed to Start | | |
| P0A10 | DC/DC Converter Status Circuit High | | |
| P0A11 | DC/DC Converter Enable Circuit/Open | | |
| P0A12 | DC/DC Converter Enable Circuit Low | | |
| P0A13 | DC/DC Converter Enable Circuit High | | |
| P0A14 | Engine Mount "A" Control Circuit/Open | | |

| P0A15 | Engine Mount "A" Control Circuit Low |
|----------------------|---|
| P0A16 | Engine Mount "A" Control Circuit High |
| P0A17 | Motor Torque Sensor Circuit |
| P0A18 | Motor Torque Sensor Circuit Range/Performance |
| P0A19 | Motor Torque Sensor Circuit Low |
| P0A1A | Generator Control Module |
| P0A1B | Drive Motor "A" Control Module |
| P0A1C | Drive Motor "B" Control Module |
| P0A1D | Hybrid Powertrain Control Module |
| P0A1E | Starter/Generator Control Module |
| P0A1F | Battery Energy Control Module |
| P0A20 | Motor Torque Sensor Circuit High |
| P0A21 | Motor Torque Sensor Circuit Intermittent |
| P0A22 | Generator Torque Sensor Circuit |
| P0A23 | Generator Torque Sensor Circuit Range/Performance |
| P0A24 | Generator Torque Sensor Circuit Low |
| P0A25 | Generator Torque Sensor Circuit High |
| P0A26 | Generator Torque Sensor Circuit Intermittent |
| P0A27 | Hybrid Battery Power Off Circuit |
| P0A28 | Hybrid Battery Power Off Circuit Low |
| P0A29 | Hybrid Battery Power Off Circuit High |
| P0A2A | Drive Motor "A" Temperature Sensor Circuit |
| P0A2B | Drive Motor "A" Temperature Sensor Circuit Range/Performance |
| P0A2C | Drive Motor "A" Temperature Sensor Circuit Low |
| P0A2D | Drive Motor "A" Temperature Sensor Circuit High |
| P0A2E | Drive Motor "A" Temperature Sensor Circuit Intermittent |
| P0A2F | Drive Motor "A" Over Temperature |
| P0A30 | Drive Motor "B" Temperature Sensor Circuit |
| P0A31 | Drive Motor "B" Temperature Sensor Circuit Range/Performance |
| P0A32 | Drive Motor "B" Temperature Sensor Circuit Low |
| P0A33 | Drive Motor "B" Temperature Sensor Circuit High |
| P0A34 | Drive Motor "B" Temperature Sensor Circuit Intermittent |
| P0A35 | Drive Motor "B" Over Temperature |
| P0A36 | Generator Temperature Sensor Circuit |
| P0A37 | Generator Temperature Sensor Circuit Range/Performance |
| P0A38 | Generator Temperature Sensor Circuit Low |
| P0A39 | Generator Temperature Sensor Circuit High |
| P0A3A | Generator Temperature Sensor Circuit Intermittent |
| P0A3B | Generator Over Temperature |
| P0A3C | Drive Motor "A" Inverter Over Temperature |
| P0A3D | Drive Motor "B" Inverter Over Temperature |
| P0A3E | Generator Inverter Over Temperature |
| P0A3F | Drive Motor "A" Position Sensor Circuit |
| P0A40 | Drive Motor "A" Position Sensor Circuit Range/Performance |
| P0A41 | Drive Motor "A" Position Sensor Circuit Low |
| P0A42 | Drive Motor "A" Position Sensor Circuit High |
| P0A43 | Drive Motor "A" Position Sensor Circuit Intermittent |
| P0A44 | Drive Motor "A" Position Sensor Circuit Overspeed |
| P0A45 | Drive Motor "B" Position Sensor Circuit |
| P0A46 P0A47 | Drive Motor "B" Position Sensor Circuit Range/Performance Drive Motor "B" Position Sensor Circuit Low |
| P0A47 P0A48 | |
| P0A48 P0A49 | Drive Motor "B" Position Sensor Circuit High Drive Motor "B" Position Sensor Circuit Intermittent |
| 1 U/\ 1 3 | DIVE MOTOL D. LOSITION OCUSON CHICAIT HITCHHITTEN |

P0A7E

| P0A4A | Drive Motor "B" Position Sensor Circuit Overspeed |
|----------------|--|
| P0A4B | Generator Position Sensor Circuit |
| P0A4C | Generator Position Sensor Circuit Range/Performance |
| P0A4D | Generator Position Sensor Circuit Low |
| P0A4E | Generator Position Sensor Circuit High |
| P0A4F | Generator Position Sensor Circuit Intermittent |
| P0A50 | Generator Position Sensor Circuit Overspeed |
| P0A51 | Drive Motor "A" Current Sensor Circuit |
| P0A52 | Drive Motor "A" Current Sensor Circuit Range/Performance |
| P0A53 | Drive Motor "A" Current Sensor Circuit Low |
| P0A54 | Drive Motor "A" Current Sensor Circuit High |
| P0A55 | Drive Motor "B" Current Sensor Circuit |
| P0A56 | Drive Motor "B" Current Sensor Circuit Range/Performance |
| P0A57 | Drive Motor "B" Current Sensor Circuit Low |
| P0A58 | Drive Motor "B" Current Sensor Circuit High |
| P0A59 | Generator Current Sensor Circuit |
| P0A5A | Generator Current Sensor Circuit Range/Performance |
| P0A5B | Generator Current Sensor Circuit Low |
| P0A5C | Generator Current Sensor Circuit High |
| P0A5D | Drive Motor "A" Phase U Current |
| P0A5E | Drive Motor "A" Phase U Current Low |
| P0A5F | Drive Motor "A" Phase U Current High |
| P0A60 | Drive Motor "A" Phase V Current |
| P0A61 | Drive Motor "A" Phase V Current Low |
| P0A62 | Drive Motor "A" Phase V Current High |
| P0A63 | Drive Motor "A" Phase W Current |
| P0A64 | Drive Motor "A" Phase W Current Low |
| P0A65 | Drive Motor "A" Phase W Current High |
| P0A66 | Drive Motor "B" Phase U Current |
| P0A67 | Drive Motor "B" Phase U Current Low |
| P0A68 | Drive Motor "B" Phase U Current High |
| P0A69 | Drive Motor "B" Phase V Current |
| P0A6A | Drive Motor "B" Phase V Current Low |
| P0A6B | Drive Motor "B" Phase V Current High |
| P0A6C | Drive Motor "B" Phase W Current |
| P0A6D | Drive Motor "B" Phase W Current Low |
| P0A6E | Drive Motor "B" Phase W Current High |
| P0A6F | Generator Phase U Current |
| P0A70 | Generator Phase U Current Low |
| P0A71 | Generator Phase U Current High |
| P0A72 | Generator Phase V Current |
| P0A73 | Generator Phase V Current Low |
| P0A74 | Generator Phase V Current High |
| P0A75 | Generator Phase W Current |
| P0A76 | Generator Phase W Current Low |
| P0A77 | Generator Phase W Current High |
| P0A78 | Drive Motor "A" Inverter Performance |
| P0A78 | Drive Motor "B" Inverter Performance |
| P0A79 P0A7A | Generator Inverter Performance |
| P0A7A P0A7B | |
| | Battery Energy Control Module Requested MIL Illumination Motor Electronics Over Temperature |
| P0A7C | Motor Electronics Over Temperature |
| P0A7D | Hybrid Battery Pack State of Charge Low |

Hybrid Battery Pack Over Temperature

P0AB2

| SAL | JZU1Z REVISEU DECZUU1 |
|-------|--|
| 50475 | |
| P0A7F | Hybrid Battery Pack Deterioration |
| P0A80 | Replace Hybrid Battery Pack |
| P0A81 | Hybrid Battery Pack Cooling Fan 1 Control Circuit/Open |
| P0A82 | Hybrid Battery Pack Cooling Fan 1 Performance/Stuck Off |
| P0A83 | Hybrid Battery Pack Cooling Fan 1 Stuck On |
| P0A84 | Hybrid Battery Pack Cooling Fan 1 Control Circuit Low |
| P0A85 | Hybrid Battery Pack Cooling Fan 1 Control Circuit High |
| P0A86 | 14 Volt Power Module Current Sensor Circuit |
| P0A87 | 14 Volt Power Module Current Sensor Circuit Range/Performance |
| P0A88 | 14 Volt Power Module Current Sensor Circuit Low |
| P0A89 | 14 Volt Power Module Current Sensor Circuit High |
| P0A8A | 14 Volt Power Module Current Sensor Circuit Intermittent |
| P0A8B | 14 Volt Power Module System Voltage |
| P0A8C | 14 Volt Power Module System Voltage Unstable |
| P0A8D | 14 Volt Power Module System Voltage Low |
| P0A8E | 14 Volt Power Module System Voltage High |
| P0A8F | 14 Volt Power Module System Performance |
| P0A90 | Drive Motor "A" Performance |
| P0A91 | Drive Motor "B" Performance |
| P0A92 | Hybrid Generator Performance |
| P0A93 | Inverter "A" Cooling System Performance |
| P0A94 | DC/DC Converter Performance |
| P0A95 | High Voltage Fuse |
| P0A96 | Hybrid Battery Pack Cooling Fan 2 Control Circuit/Open |
| P0A97 | Hybrid Battery Pack Cooling Fan 2 Performance/Stuck Off |
| P0A98 | Hybrid Battery Pack Cooling Fan 2 Stuck On |
| P0A99 | Hybrid Battery Pack Cooling Fan 2 Control Circuit Low |
| P0A9A | Hybrid Battery Pack Cooling Fan 2 Control Circuit High |
| P0A9B | Hybrid Battery Temperature Sensor "A" Circuit |
| P0A9C | Hybrid Battery Temperature Sensor "A" Range/Performance |
| P0A9D | Hybrid Battery Temperature Sensor "A" Circuit Low |
| P0A9E | Hybrid Battery Temperature Sensor "A" Circuit High |
| P0A9F | Hybrid Battery Temperature Sensor "A" Circuit Intermittent/Erratic |
| P0AA0 | Hybrid Battery Positive Contactor Circuit |
| P0AA1 | Hybrid Battery Positive Contactor Circuit Stuck Closed |
| P0AA2 | Hybrid Battery Positive Contactor Circuit Stuck Open |
| P0AA3 | Hybrid Battery Negative Contactor Circuit |
| P0AA4 | Hybrid Battery Negative Contactor Circuit Stuck Closed |
| P0AA5 | Hybrid Battery Negative Contactor Circuit Stuck Open |
| P0AA6 | Hybrid Battery Voltage System Isolation Fault |
| P0AA7 | Hybrid Battery Voltage Isolation Sensor Circuit |
| P0AA8 | Hybrid Battery Voltage Isolation Sensor Circuit Range/Performance |
| P0AA9 | Hybrid Battery Voltage Isolation Sensor Circuit Low |
| P0AAA | Hybrid Battery Voltage Isolation Sensor Circuit High |
| P0AAB | Hybrid Battery Voltage Isolation Sensor Circuit Intermittent/Erratic |
| P0AAC | Hybrid Battery Pack Air Temperature Sensor "A" Circuit |
| | Hybrid Battery Pack Air Temperature Sensor "A" Circuit |
| P0AAD | Range/Performance |
| P0AAE | Hybrid Battery Pack Air Temperature Sensor "A" Circuit Low |
| P0AAF | Hybrid Battery Pack Air Temperature Sensor "A" Circuit High |
| | Hybrid Battery Pack Air Temperature Sensor "A" Circuit |
| P0AB0 | Intermittent/Erratic |
| P0AB1 | Hybrid Battery Pack Air Temperature Sensor "B" Circuit |
| POAR2 | Hybrid Rattery Pack Air Temperature Sensor "R" Circuit |

Hybrid Battery Pack Air Temperature Sensor "B" Circuit

| | D (D (|
|----------------|---|
| | Range/Performance |
| P0AB3 | Hybrid Battery Pack Air Temperature Sensor "B" Circuit Low |
| P0AB4 | Hybrid Battery Pack Air Temperature Sensor "B" Circuit High |
| P0AB5 | Hybrid Battery Pack Air Temperature Sensor "B" Circuit Intermittent/Erratic |
| P0AB6 | Engine Mount "B" Control Circuit/Open |
| P0AB7 | Engine Mount "B" Control Circuit Low |
| P0AB8 | Engine Mount "B" Control Circuit High |
| P0AB9 | Hybrid System Performance |
| P0ABA | Hybrid Battery Pack Voltage Sense "A" Circuit |
| P0ABB | Hybrid Battery Pack Voltage Sense "A" Circuit Range/Performance |
| P0ABC | Hybrid Battery Pack Voltage Sense "A" Circuit Ranger enormance Hybrid Battery Pack Voltage Sense "A" Circuit Low |
| P0ABD | Hybrid Battery Pack Voltage Sense "A" Circuit High |
| P0ABE | Hybrid Battery Pack Voltage Sense "A" Circuit Intermittent/Erratic |
| P0ABF | Hybrid Battery Pack Current Sensor "A" Circuit |
| P0AC0 | Hybrid Battery Pack Current Sensor "A" Circuit Range/Performance |
| P0AC1 | Hybrid Battery Pack Current Sensor "A" Circuit Low |
| P0AC2 | Hybrid Battery Pack Current Sensor "A" Circuit High |
| P0AC3 | Hybrid Battery Pack Current Sensor "A" Circuit Intermittent/Erratic |
| P0AC4 | Hybrid Powertrain Control Module Requested MIL Illumination |
| P0AC5 | Hybrid Battery Temperature Sensor "B" Circuit |
| P0AC6 | Hybrid Battery Temperature Sensor "B" Range/Performance |
| P0AC7 | Hybrid Battery Temperature Sensor "B" Circuit Low |
| P0AC8 | Hybrid Battery Temperature Sensor "B" Circuit Low |
| P0AC9 | Hybrid Battery Temperature Sensor "B" Circuit Intermittent/Erratic |
| P0ACA | Hybrid Battery Temperature Sensor "C" Circuit |
| P0ACB | Hybrid Battery Temperature Sensor "C" Range/Performance |
| P0ACC | Hybrid Battery Temperature Sensor "C" Circuit Low |
| P0ACD | Hybrid Battery Temperature Sensor "C" Circuit High |
| P0ACE | Hybrid Battery Temperature Sensor "C" Circuit Intermittent/Erratic |
| P0ACF | Hybrid Battery Pack Cooling Fan 3 Control Circuit/Open |
| P0AD0 | Hybrid Battery Pack Cooling Fan 3 Performance/Stuck Off |
| P0AD1 | Hybrid Battery Pack Cooling Fan 3 Stuck On |
| P0AD2 | Hybrid Battery Pack Cooling Fan 3 Control Circuit Low |
| P0AD3 | Hybrid Battery Pack Cooling Fan 3 Control Circuit High |
| P0AD4 | Hybrid Battery Pack Air Flow System Insufficient Air Flow |
| P0AD5 | Hybrid Battery Pack Air Flow Valve "A" Control Circuit/Open |
| | Hybrid Battery Pack Air Flow Valve "A" Control Circuit |
| P0AD6 | Range/Performance |
| P0AD7 | Hybrid Battery Pack Air Flow Valve "A" Control Circuit Low |
| P0AD8 | Hybrid Battery Pack Air Flow Valve "A" Control Circuit High |
| P0AD9 | Hybrid Battery Positive Contactor Control Circuit/Open |
| | Hybrid Battery Positive Contactor Control Circuit |
| P0ADA | Range/Performance |
| P0ADB | Hybrid Battery Positive Contactor Control Circuit Low |
| P0ADC | Hybrid Battery Positive Contactor Control Circuit High |
| P0ADD | Hybrid Battery Negative Contactor Control Circuit/Open |
| P0ADE | Hybrid Battery Negative Contactor Control Circuit |
| POADE POADF | Range/Performance Hybrid Battery Negative Contactor Control Circuit Low |
| P0AE0 | Hybrid Battery Negative Contactor Control Circuit Low Hybrid Battery Negative Contactor Control Circuit High |
| POAE0 POAE1 | Hybrid Battery Precharge Contactor Circuit |
| P0AE1 | Hybrid Battery Precharge Contactor Circuit Stuck Closed |
| P0AE3 | Hybrid Battery Precharge Contactor Circuit Stuck Closed Hybrid Battery Precharge Contactor Circuit Stuck Open |
| . 0/ 100 | Tryana Ballery i Teoriarge Contactor Official Older Open |

| P0AE4 | Hybrid Battery Precharge Contactor Control Circuit Hybrid Battery Precharge Contactor Control Circuit |
|---------|---|
| P0AE5 | Range/Performance |
| P0AE6 | Hybrid Battery Precharge Contactor Control Circuit Low |
| P0AE7 | Hybrid Battery Precharge Contactor Control Circuit High |
| P0AE8 | Hybrid Battery Temperature Sensor "D" Circuit |
| P0AE9 | Hybrid Battery Temperature Sensor "D" Range/Performance |
| P0AEA | Hybrid Battery Temperature Sensor "D" Circuit Low |
| P0AEB | Hybrid Battery Temperature Sensor "D" Circuit High |
| P0AEC | Hybrid Battery Temperature Sensor "D" Circuit Intermittent/Erratic |
| P0AED | Drive Motor Inverter Temperature Sensor "A" Circuit |
| | Drive Motor Inverter Temperature Sensor "A" Circuit |
| P0AEE | Range/Performance |
| P0AEF | Drive Motor Inverter Temperature Sensor "A" Circuit Low |
| P0AF0 | Drive Motor Inverter Temperature Sensor "A" Circuit High |
| D0 4 E4 | Drive Motor Inverter Temperature Sensor "A" Circuit |
| P0AF1 | Intermittent/Erratic |
| P0AF2 | Drive Motor Inverter Temperature Sensor "B" Circuit |
| P0AF3 | Drive Motor Inverter Temperature Sensor "B" Circuit Range/Performance |
| P0AF4 | Drive Motor Inverter Temperature Sensor "B" Circuit Low |
| P0AF5 | Drive Motor Inverter Temperature Sensor "B" Circuit Low |
| IUAIU | Drive Motor Inverter Temperature Sensor "B" Circuit |
| P0AF6 | Intermittent/Erratic |
| P0AF7 | 14 Volt Power Module Internal Temperature Too High |
| P0AF8 | Hybrid Battery System Voltage |
| P0AF9 | Hybrid Battery System Voltage Unstable |
| P0AFA | Hybrid Battery System Voltage Low |
| P0AFB | Hybrid Battery System Voltage High |
| P0AFC | Hybrid Battery Pack Sensor Module |
| P0AFD | Hybrid Battery Pack Temperature Too Low |
| | Hybrid Battery System Voltage Too Low for Voltage Step Up |
| P0AFE | Conversion |
| P0AFF | System Voltage Too Low for Voltage Step Down Conversion |
| | |

TABLE D12 - P0BXX HYBRID PROPULSION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0B00 | Auxiliary Transmission Fluid Pump Motor Phase U Current | | _ |
| P0B01 | Auxiliary Transmission Fluid Pump Motor Phase U Current Low | | |
| P0B02 | Auxiliary Transmission Fluid Pump Motor Phase U Current High | | |
| P0B03 | Auxiliary Transmission Fluid Pump Motor Phase V Current | | |
| P0B04 | Auxiliary Transmission Fluid Pump Motor Phase V Current Low | | |
| P0B05 | Auxiliary Transmission Fluid Pump Motor Phase V Current High | | |
| P0B06 | Auxiliary Transmission Fluid Pump Motor Phase W Current | | |
| P0B07 | Auxiliary Transmission Fluid Pump Motor Phase W Current Low | | |
| P0B08 | Auxiliary Transmission Fluid Pump Motor Phase W Current High | | |
| P0B09 | Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit/Open | | |
| P0B0A | Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit Low | | |
| P0B0B | Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit High | | |
| P0B0C | Auxiliary Transmission Fluid Pump Hydraulic Leakage | | |
| P0B0D | Auxiliary Transmission Fluid Pump Motor Control Module | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0B0E | Hybrid Battery Pack Current Sensor "B" Circuit | | |
| P0B0F | Hybrid Battery Pack Current Sensor "B" Circuit Range/Performance | | |
| P0B10 | Hybrid Battery Pack Current Sensor "B" Circuit Low | | |
| P0B11 | Hybrid Battery Pack Current Sensor "B" Circuit High | | |
| P0B12 | Hybrid Battery Pack Current Sensor "B" Circuit Intermittent/Erratic | | |
| P0B13 | Hybrid Battery Pack Current Sensor "A"/"B" Correlation | | |
| P0B14 | Hybrid Battery Pack Voltage Sense "B" Circuit | | |
| P0B15 | Hybrid Battery Pack Voltage Sense "B" Circuit Range/Performance | | |
| P0B16 | Hybrid Battery Pack Voltage Sense "B" Circuit Low | | |
| P0B17 | Hybrid Battery Pack Voltage Sense "B" Circuit High | | |
| P0B18 | Hybrid Battery Pack Voltage Sense "B" Circuit Intermittent/Erratic | | Į. |
| P0B19 | Hybrid Battery Pack Voltage Sense "C" Circuit | | |
| P0B1A | Hybrid Battery Pack Voltage Sense "C" Circuit Range/Performance | | |
| P0B1B | Hybrid Battery Pack Voltage Sense "C" Circuit Low | | |
| P0B1C | Hybrid Battery Pack Voltage Sense "C" Circuit High | | |
| P0B1D | Hybrid Battery Pack Voltage Sense "C" Circuit Intermittent/Erratic | | |
| P0B1E | Hybrid Battery Pack Voltage Sense "D" Circuit | | 2 1 |
| P0B1F | Hybrid Battery Pack Voltage Sense "D" Circuit Range/Performance | | |
| P0B20 | Hybrid Battery Pack Voltage Sense "D" Circuit Low | | |
| P0B21 | Hybrid Battery Pack Voltage Sense "D" Circuit High | | |
| P0B22 | Hybrid Battery Pack Voltage Sense "D" Circuit Intermittent/Erratic | | |
| P0B23 | Hybrid Battery "A" Voltage | | |
| P0B24 | Hybrid Battery "A" Voltage Unstable | | |
| P0B25 | Hybrid Battery "A" Voltage Low | | |
| P0B26 | Hybrid Battery "A" Voltage High | | |
| P0B27 | Hybrid Battery "B" Voltage | | |
| P0B28 | Hybrid Battery "B" Voltage Unstable | | |
| P0B29 | Hybrid Battery "B" Voltage Low | | |
| P0B2A | Hybrid Battery "B" Voltage High | | |
| P0B2B | Hybrid Battery "C" Voltage | | |
| P0B2C | Hybrid Battery "C" Voltage Unstable | | |
| P0B2D | Hybrid Battery "C" Voltage Low | | |
| P0B2E | Hybrid Battery "C" Voltage High | | |
| P0B2F | Hybrid Battery "D" Voltage | | |
| P0B30 | Hybrid Battery "D" Voltage Unstable | | |
| P0B31 | Hybrid Battery "D" Voltage Low | | |
| P0B32 | Hybrid Battery "D" Voltage High | | |
| P0B33 | High Voltage Service Disconnect Circuit | | |
| P0B34 | High Voltage Service Disconnect Circuit Performance | | |
| P0B35 | High Voltage Service Disconnect Circuit Low | | |
| P0B36 | High Voltage Service Disconnect Circuit High | | |
| P0B37 | High Voltage Service Disconnect Open | | |
| P0B38 | Motor Electronics Coolant Pump "B" Control Circuit/Open | | |
| P0B39 | Motor Electronics Coolant Pump "B" Control Circuit Low | | |
| P0B3A | Motor Electronics Coolant Pump "B" Control Circuit High | | |
| P0B3B | Hybrid Battery Voltage Sense "A" Circuit | | |
| P0B3C | Hybrid Battery Voltage Sense "A" Circuit Range/Performance | | |
| P0B3D | Hybrid Battery Voltage Sense "A" Circuit Low | | |
| P0B3E | Hybrid Battery Voltage Sense "A" Circuit High | | |
| P0B3F | Hybrid Battery Voltage Sense "A" Circuit Intermittent/Erratic | | |
| P0B40 | Hybrid Battery Voltage Sense "B" Circuit | | |
| P0B41 | Hybrid Battery Voltage Sense "B" Circuit Range/Performance | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|----------|-----------|
| P0B42 | Hybrid Battery Voltage Sense "B" Circuit Low | Location | FOOL NOTE |
| P0B42 P0B43 | Hybrid Battery Voltage Sense "B" Circuit Low Hybrid Battery Voltage Sense "B" Circuit High | | |
| P0B43 P0B44 | , , , | | |
| | Hybrid Battery Voltage Sense "B" Circuit Intermittent/Erratic | | |
| P0B45 | Hybrid Battery Voltage Sense "C" Circuit | | |
| P0B46 | Hybrid Battery Voltage Sense "C" Circuit Range/Performance | | |
| P0B47 | Hybrid Battery Voltage Sense "C" Circuit Low | | |
| P0B48 | Hybrid Battery Voltage Sense "C" Circuit High | | |
| P0B49 | Hybrid Battery Voltage Sense "C" Circuit Intermittent/Erratic | | |
| P0B4A | Hybrid Battery Voltage Sense "D" Circuit | | |
| P0B4B | Hybrid Battery Voltage Sense "D" Circuit Range/Performance | | |
| P0B4C | Hybrid Battery Voltage Sense "D" Circuit Low | | |
| P0B4D | Hybrid Battery Voltage Sense "D" Circuit High | | |
| P0B4E | Hybrid Battery Voltage Sense "D" Circuit Intermittent/Erratic | | |
| P0B4F | Hybrid Battery Voltage Sense "E" Circuit | | |
| P0B50 | Hybrid Battery Voltage Sense "E" Circuit Range/Performance | | |
| P0B51 | Hybrid Battery Voltage Sense "E" Circuit Low | | |
| P0B52 | Hybrid Battery Voltage Sense "E" Circuit High | | |
| P0B53 | Hybrid Battery Voltage Sense "E" Circuit Intermittent/Erratic | | |
| P0B54 | Hybrid Battery Voltage Sense "F" Circuit | | |
| P0B55 | Hybrid Battery Voltage Sense "F" Circuit Range/Performance | | |
| P0B56 | Hybrid Battery Voltage Sense "F" Circuit Low | | |
| P0B57 | Hybrid Battery Voltage Sense "F" Circuit High | | |
| P0B58 | Hybrid Battery Voltage Sense "F" Circuit Intermittent/Erratic | | |
| P0B59 | Hybrid Battery Voltage Sense "G" Circuit | | |
| P0B5A | Hybrid Battery Voltage Sense "G" Circuit Range/Performance | | |
| P0B5B | Hybrid Battery Voltage Sense "G" Circuit Low | | |
| P0B5C | Hybrid Battery Voltage Sense "G" Circuit High | | |
| P0B5D | Hybrid Battery Voltage Sense "G" Circuit Intermittent/Erratic | | |
| P0B5E | Hybrid Battery Voltage Sense "H" Circuit | | |
| P0B5F | Hybrid Battery Voltage Sense "H" Circuit Range/Performance | | |
| P0B60 | Hybrid Battery Voltage Sense "H" Circuit Low | | |
| P0B61 | Hybrid Battery Voltage Sense "H" Circuit High | | |
| P0B62 | Hybrid Battery Voltage Sense "H" Circuit Intermittent/Erratic | | |
| P0B63 | Hybrid Battery Voltage Sense "I" Circuit | | |
| P0B64 | Hybrid Battery Voltage Sense "I" Circuit Range/Performance | | |
| P0B65 | Hybrid Battery Voltage Sense "I" Circuit Low | | |
| P0B66 | Hybrid Battery Voltage Sense "I" Circuit High | | |
| P0B67 | Hybrid Battery Voltage Sense "I" Circuit Intermittent/Erratic | | |
| P0B68 | Hybrid Battery Voltage Sense "J" Circuit | | |
| P0B69 | Hybrid Battery Voltage Sense "J" Circuit Range/Performance | | |
| P0B6A | Hybrid Battery Voltage Sense "J" Circuit Low | | |
| P0B6B | Hybrid Battery Voltage Sense "J" Circuit High | | |
| P0B6C | Hybrid Battery Voltage Sense "J" Circuit Intermittent/Erratic | | |
| P0B6D | Hybrid Battery Voltage Sense "K" Circuit | | |
| P0B6E | Hybrid Battery Voltage Sense "K" Circuit Range/Performance | | |
| P0B6F | Hybrid Battery Voltage Sense "K" Circuit Low | | |
| P0B70 | Hybrid Battery Voltage Sense "K" Circuit High | | |
| P0B71 | Hybrid Battery Voltage Sense "K" Circuit Intermittent/Erratic | | |
| P0B72 | Hybrid Battery Voltage Sense "L" Circuit | | |
| P0B73 | Hybrid Battery Voltage Sense "L" Circuit Range/Performance | | |
| P0B74 | Hybrid Battery Voltage Sense "L" Circuit Low | | |
| P0B75 | Hybrid Battery Voltage Sense "L" Circuit High | | |

| POB76 Hybrid Battery Voltage Sense "L" Circuit Intermittent/Erratic POB77 Hybrid Battery Voltage Sense "M" Circuit POB78 Hybrid Battery Voltage Sense "M" Circuit Range/Performance POB79 Hybrid Battery Voltage Sense "M" Circuit Low POB70 Hybrid Battery Voltage Sense "M" Circuit High POB71 Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic POB72 Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic POB73 Hybrid Battery Voltage Sense "N" Circuit Range/Performance POB74 Hybrid Battery Voltage Sense "N" Circuit Range/Performance POB75 Hybrid Battery Voltage Sense "N" Circuit Low POB76 Hybrid Battery Voltage Sense "N" Circuit High POB80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic POB81 Hybrid Battery Voltage Sense "O" Circuit Range/Performance POB82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance POB83 Hybrid Battery Voltage Sense "O" Circuit Low POB84 Hybrid Battery Voltage Sense "O" Circuit High POB85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic POB86 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic POB87 Hybrid Battery Voltage Sense "O" Circuit Range/Performance |
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| POB77 Hybrid Battery Voltage Sense "M" Circuit POB78 Hybrid Battery Voltage Sense "M" Circuit Range/Performance POB79 Hybrid Battery Voltage Sense "M" Circuit Low POB7A Hybrid Battery Voltage Sense "M" Circuit High POB7B Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic POB7C Hybrid Battery Voltage Sense "N" Circuit Range/Performance POB7D Hybrid Battery Voltage Sense "N" Circuit Range/Performance POB7E Hybrid Battery Voltage Sense "N" Circuit Low POB7F Hybrid Battery Voltage Sense "N" Circuit High POB80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic POB81 Hybrid Battery Voltage Sense "O" Circuit POB82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance POB83 Hybrid Battery Voltage Sense "O" Circuit Low POB84 Hybrid Battery Voltage Sense "O" Circuit High POB85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic POB86 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic |
| P0B78 Hybrid Battery Voltage Sense "M" Circuit Range/Performance P0B79 Hybrid Battery Voltage Sense "M" Circuit Low P0B7A Hybrid Battery Voltage Sense "M" Circuit High P0B7B Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic P0B7C Hybrid Battery Voltage Sense "N" Circuit P0B7D Hybrid Battery Voltage Sense "N" Circuit Range/Performance P0B7E Hybrid Battery Voltage Sense "N" Circuit Low P0B7F Hybrid Battery Voltage Sense "N" Circuit High P0B80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic P0B81 Hybrid Battery Voltage Sense "O" Circuit P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic |
| P0B79 Hybrid Battery Voltage Sense "M" Circuit Low P0B7A Hybrid Battery Voltage Sense "M" Circuit High P0B7B Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic P0B7C Hybrid Battery Voltage Sense "N" Circuit P0B7D Hybrid Battery Voltage Sense "N" Circuit Range/Performance P0B7E Hybrid Battery Voltage Sense "N" Circuit Low P0B7F Hybrid Battery Voltage Sense "N" Circuit High P0B80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic P0B81 Hybrid Battery Voltage Sense "O" Circuit P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic |
| POB7A Hybrid Battery Voltage Sense "M" Circuit High POB7B Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic POB7C Hybrid Battery Voltage Sense "N" Circuit POB7D Hybrid Battery Voltage Sense "N" Circuit Range/Performance POB7E Hybrid Battery Voltage Sense "N" Circuit Low POB7F Hybrid Battery Voltage Sense "N" Circuit High POB80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic POB81 Hybrid Battery Voltage Sense "O" Circuit POB82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance POB83 Hybrid Battery Voltage Sense "O" Circuit Low POB84 Hybrid Battery Voltage Sense "O" Circuit High POB85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic POB86 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic POB86 Hybrid Battery Voltage Sense "P" Circuit |
| POB7B Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic POB7C Hybrid Battery Voltage Sense "N" Circuit POB7D Hybrid Battery Voltage Sense "N" Circuit Range/Performance POB7E Hybrid Battery Voltage Sense "N" Circuit Low POB7F Hybrid Battery Voltage Sense "N" Circuit High POB80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic POB81 Hybrid Battery Voltage Sense "O" Circuit POB82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance POB83 Hybrid Battery Voltage Sense "O" Circuit Low POB84 Hybrid Battery Voltage Sense "O" Circuit High POB85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic POB86 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic |
| POB7C Hybrid Battery Voltage Sense "N" Circuit POB7D Hybrid Battery Voltage Sense "N" Circuit Range/Performance POB7E Hybrid Battery Voltage Sense "N" Circuit Low POB7F Hybrid Battery Voltage Sense "N" Circuit High POB80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic POB81 Hybrid Battery Voltage Sense "O" Circuit POB82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance POB83 Hybrid Battery Voltage Sense "O" Circuit Low POB84 Hybrid Battery Voltage Sense "O" Circuit High POB85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic POB86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B7D Hybrid Battery Voltage Sense "N" Circuit Range/Performance P0B7E Hybrid Battery Voltage Sense "N" Circuit Low P0B7F Hybrid Battery Voltage Sense "N" Circuit High P0B80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic P0B81 Hybrid Battery Voltage Sense "O" Circuit P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B7E Hybrid Battery Voltage Sense "N" Circuit Low P0B7F Hybrid Battery Voltage Sense "N" Circuit High P0B80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic P0B81 Hybrid Battery Voltage Sense "O" Circuit P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B7F Hybrid Battery Voltage Sense "N" Circuit High P0B80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic P0B81 Hybrid Battery Voltage Sense "O" Circuit P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B80 Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic P0B81 Hybrid Battery Voltage Sense "O" Circuit P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B81 Hybrid Battery Voltage Sense "O" Circuit P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B82 Hybrid Battery Voltage Sense "O" Circuit Range/Performance P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B83 Hybrid Battery Voltage Sense "O" Circuit Low P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B84 Hybrid Battery Voltage Sense "O" Circuit High P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B85 Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic P0B86 Hybrid Battery Voltage Sense "P" Circuit |
| P0B86 Hybrid Battery Voltage Sense "P" Circuit |
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| P0B88 Hybrid Battery Voltage Sense "P" Circuit Low |
| P0B89 Hybrid Battery Voltage Sense "P" Circuit High |
| P0B8A Hybrid Battery Voltage Sense "P" Circuit Intermittent/Erratic |
| P0B8B Hybrid Battery Voltage Sense "Q" Circuit |
| P0B8C Hybrid Battery Voltage Sense "Q" Circuit Range/Performance |
| P0B8D Hybrid Battery Voltage Sense "Q" Circuit Low |
| P0B8E Hybrid Battery Voltage Sense "Q" Circuit High |
| P0B8F Hybrid Battery Voltage Sense "Q" Circuit Intermittent/Erratic |
| P0B90 Hybrid Battery Voltage Sense "R" Circuit |
| P0B91 Hybrid Battery Voltage Sense "R" Circuit Range/Performance |
| P0B92 Hybrid Battery Voltage Sense "R" Circuit Low |
| P0B93 Hybrid Battery Voltage Sense "R" Circuit High |
| P0B94 Hybrid Battery Voltage Sense "R" Circuit Intermittent/Erratic |
| P0B95 Hybrid Battery Voltage Sense "S" Circuit |
| P0B96 Hybrid Battery Voltage Sense "S" Circuit Range/Performance |
| P0B97 Hybrid Battery Voltage Sense "S" Circuit Low |
| P0B98 Hybrid Battery Voltage Sense "S" Circuit High |
| P0B99 Hybrid Battery Voltage Sense "S" Circuit Intermittent/Erratic |
| P0B9A Hybrid Battery Voltage Sense "T" Circuit |
| P0B9B Hybrid Battery Voltage Sense "T" Circuit Range/Performance |
| P0B9C Hybrid Battery Voltage Sense "T" Circuit Low P0B9D Hybrid Battery Voltage Sense "T" Circuit High |
| P0B9D Hybrid Battery Voltage Sense "T" Circuit High P0B9E Hybrid Battery Voltage Sense "T" Circuit Intermittent/Erratic |
| P0B9F Hybrid Battery Voltage Sense "U" Circuit |
| P0BA0 Hybrid Battery Voltage Sense "U" Circuit Range/Performance |
| P0BA1 Hybrid Battery Voltage Sense "U" Circuit Low |
| P0BA2 Hybrid Battery Voltage Sense "U" Circuit High |
| P0BA3 Hybrid Battery Voltage Sense "U" Circuit Intermittent/Erratic |
| P0BA4 Hybrid Battery Voltage Sense "V" Circuit |
| P0BA5 Hybrid Battery Voltage Sense "V" Circuit Range/Performance |
| P0BA6 Hybrid Battery Voltage Sense "V" Circuit Low |
| P0BA7 Hybrid Battery Voltage Sense "V" Circuit High |
| P0BA8 Hybrid Battery Voltage Sense "V" Circuit Intermittent/Erratic |
| P0BA9 Hybrid Battery Voltage Sense "W" Circuit |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P0BAA | Hybrid Battery Voltage Sense "W" Circuit Range/Performance | | |
| P0BAB | Hybrid Battery Voltage Sense "W" Circuit Low | | |
| P0BAC | Hybrid Battery Voltage Sense "W" Circuit High | | |
| P0BAD | Hybrid Battery Voltage Sense "W" Circuit Intermittent/Erratic | | |
| P0BAE | Hybrid Battery Voltage Sense "X" Circuit | | |
| P0BAF | Hybrid Battery Voltage Sense "X" Circuit Range/Performance | | |
| P0BB0 | Hybrid Battery Voltage Sense "X" Circuit Low | | |
| P0BB1 | Hybrid Battery Voltage Sense "X" Circuit High | | |
| P0BB2 | Hybrid Battery Voltage Sense "X" Circuit Intermittent/Erratic | | |
| P0BB3 | Hybrid Battery Voltage Sense "Y" Circuit | | |
| P0BB4 | Hybrid Battery Voltage Sense "Y" Circuit Range/Performance | | |
| P0BB5 | Hybrid Battery Voltage Sense "Y" Circuit Low | | |
| P0BB6 | Hybrid Battery Voltage Sense "Y" Circuit High | | |
| P0BB7 | Hybrid Battery Voltage Sense "Y" Circuit Intermittent/Erratic | | |
| P0BB8 | Hybrid Battery Voltage Sense "Z" Circuit | | |
| P0BB9 | Hybrid Battery Voltage Sense "Z" Circuit Range/Performance | | |
| P0BBA | · · · · · · · · · · · · · · · · · · · | | |
| | Hybrid Battery Voltage Sense "Z" Circuit Low | | |
| P0BBB | Hybrid Battery Voltage Sense "Z" Circuit High | | |
| P0BBC | Hybrid Battery Voltage Sense "Z" Circuit Intermittent/Erratic | | |
| P0BBD | Hybrid Battery Pack Voltage Variation Exceeded Limit | | |
| P0BBE | Hybrid Battery Pack Voltage Variation | | |
| P0BBF | Hybrid Battery Pack Cooling Fan Supply Voltage Circuit/Open | | |
| P0BC0 | Hybrid Battery Pack Cooling Fan Supply Voltage Circuit Low | | |
| P0BC1 | Hybrid Battery Pack Cooling Fan Supply Voltage Circuit High | | |
| P0BC2 | Hybrid Battery Temperature Sensor "E" Circuit | | |
| P0BC3 | Hybrid Battery Temperature Sensor "E" Range/Performance | | |
| P0BC4 | Hybrid Battery Temperature Sensor "E" Circuit Low | | |
| P0BC5 | Hybrid Battery Temperature Sensor "E" Circuit High | | |
| P0BC6 | Hybrid Battery Temperature Sensor "E" Circuit Intermittent/Erratic | | |
| P0BC7 | Hybrid Battery Pack Cooling Fan Sense Circuit/Open | | |
| P0BC8 | Hybrid Battery Pack Cooling Fan Sense Range/Performance | | |
| P0BC9 | Hybrid Battery Pack Cooling Fan Sense Circuit Low | | |
| P0BCA | Hybrid Battery Pack Cooling Fan Sense Circuit High | | |
| P0BCB | Hybrid Battery Pack Cooling Fan Sense Circuit Intermittent/Erratic | | |
| P0BCC | Generator Inverter Temperature Sensor Circuit | | |
| P0BCD | Generator Inverter Temperature Sensor Circuit Range/Performance | | |
| P0BCE | Generator Inverter Temperature Sensor Circuit Low | | |
| P0BCF | Generator Inverter Temperature Sensor Circuit High | | |
| P0BD0 | Generator Inverter Temperature Sensor Circuit Intermittent/Erratic | | |
| P0BD1 | Drive Motor Inverter Temperature Sensor "C" Circuit | | |
| P0BD2 | Drive Motor Inverter Temperature Sensor "C" Circuit | | |
| | Range/Performance | | |
| P0BD3 | Drive Motor Inverter Temperature Sensor "C" Circuit Low | | |
| P0BD4 | Drive Motor Inverter Temperature Sensor "C" Circuit High | | |
| P0BD5 | Drive Motor Inverter Temperature Sensor "C" Circuit Intermittent/Erratic | | |
| P0BD6 | Drive Motor Inverter Temperature Sensor "D" Circuit | | |
| P0BD7 | Drive Motor Inverter Temperature Sensor "D" Circuit Range/Performance | | |
| P0BD8 | Drive Motor Inverter Temperature Sensor "D" Circuit Low | | |
| P0BD9 | Drive Motor Inverter Temperature Sensor "D" Circuit High | | |
| P0BDA | Drive Motor Inverter Temperature Sensor "D" Circuit Intermittent/Erratic | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P0BDB | Drive Motor Inverter Temperature Sensor "E" Circuit | | |
| P0BDC | Drive Motor Inverter Temperature Sensor "E" Circuit | | |
| | Range/Performance | | |
| P0BDD | Drive Motor Inverter Temperature Sensor "E" Circuit Low | | |
| P0BDE | Drive Motor Inverter Temperature Sensor "E" Circuit High | | |
| P0BDF | Drive Motor Inverter Temperature Sensor "E" Circuit | | |
| | Intermittent/Erratic | | |
| P0BE0 | Drive Motor Inverter Temperature Sensor "F" Circuit | | |
| P0BE1 | Drive Motor Inverter Temperature Sensor "F" Circuit | | |
| DODEO | Range/Performance | | |
| P0BE2 | Drive Motor Inverter Temperature Sensor "F" Circuit Low | | |
| P0BE3 | Drive Motor Inverter Temperature Sensor "F" Circuit High | | |
| P0BE4 | Drive Motor Inverter Temperature Sensor "F" Circuit | | |
| P0BE5 | Intermittent/Erratic Drive Motor "A" Phase U Current Sensor Circuit | | |
| P0BE6 | Drive Motor "A" Phase U Current Sensor Circuit | | |
| PUBEO | Range/Performance | | |
| P0BE7 | Drive Motor "A" Phase U Current Sensor Circuit Low | | |
| P0BE8 | Drive Motor "A" Phase U Current Sensor Circuit High | | |
| P0BE9 | Drive Motor "A" Phase V Current Sensor Circuit | | |
| P0BEA | Drive Motor "A" Phase V Current Sensor Circuit | | |
| TODEA | Range/Performance | | |
| P0BEB | Drive Motor "A" Phase V Current Sensor Circuit Low | | |
| P0BEC | Drive Motor "A" Phase V Current Sensor Circuit High | | |
| P0BED | Drive Motor "A" Phase W Current Sensor Circuit | | |
| P0BEE | Drive Motor "A" Phase W Current Sensor Circuit | | |
| - | Range/Performance | | |
| P0BEF | Drive Motor "A" Phase W Current Sensor Circuit Low | | |
| P0BF0 | Drive Motor "A" Phase W Current Sensor Circuit High | | |
| P0BF1 | Drive Motor "B" Phase U Current Sensor Circuit | | |
| P0BF2 | Drive Motor "B" Phase U Current Sensor Circuit | | |
| | Range/Performance | | |
| P0BF3 | Drive Motor "B" Phase U Current Sensor Circuit Low | | |
| P0BF4 | Drive Motor "B" Phase U Current Sensor Circuit High | | |
| P0BF5 | Drive Motor "B" Phase V Current Sensor Circuit | | |
| P0BF6 | Drive Motor "B" Phase V Current Sensor Circuit | | |
| D0DE7 | Range/Performance | | |
| P0BF7 | Drive Motor "B" Phase V Current Sensor Circuit Low | | |
| P0BF8 | Drive Motor "B" Phase V Current Sensor Circuit High | | |
| P0BF9 | Drive Motor "B" Phase W Current Sensor Circuit | | |
| P0BFA | Drive Motor "B" Phase W Current Sensor Circuit | | |
| DODED | Range/Performance | | |
| POBFB | Drive Motor "B" Phase W Current Sensor Circuit Low | |) |
| POBEC | Drive Motor "B" Phase W Current Sensor Circuit High | | |
| POBFD | Drive Motor "A" Phase U-V-W Current Sensor Correlation | | 1 |
| POBFE | Drive Motor "B" Phase U-V-W Current Sensor Correlation | | |
| P0BFF | Drive Motor "A" Current | | |

TABLE D13 - POCXX HYBRID PROPULSION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P0C00 | Drive Motor "A" Current Low | | |
| P0C01 | Drive Motor "A" Current High | | |
| P0C02 | Drive Motor "B" Current | | |
| P0C03 | Drive Motor "B" Current Low | | |
| P0C04 | Drive Motor "B" Current High | | |
| P0C05 | Drive Motor "A" Phase U-V-W Circuit/Open | | |
| P0C06 | Drive Motor "A" Phase U-V-W Circuit Low | | |
| P0C07 | Drive Motor "A" Phase U-V-W Circuit High | | |
| P0C08 | Drive Motor "B" Phase U-V-W Circuit/Open | | |
| P0C09 | Drive Motor "B" Phase U-V-W Circuit Low | | |
| P0C0A | Drive Motor "B" Phase U-V-W Circuit High | | |
| P0C0B | Drive Motor "A" Inverter Power Supply Circuit/Open | | |
| P0C0C | Drive Motor "A" Inverter Power Supply Circuit Low | | |
| P0C0D | Drive Motor "A" Inverter Power Supply Circuit High | | |
| P0C0E | Drive Motor "B" Inverter Power Supply Circuit/Open | | |
| P0C0F | Drive Motor "B" Inverter Power Supply Circuit Low | | |
| P0C10 | Drive Motor "B" Inverter Power Supply Circuit High | | |
| P0C11 | Drive Motor "A" Inverter Phase U Over Temperature | | |
| P0C12 | Drive Motor "A" Inverter Phase V Over Temperature | | |
| P0C13 | Drive Motor "A" Inverter Phase W Over Temperature | | |
| P0C14 | Drive Motor "B" Inverter Phase U Over Temperature | | |
| P0C15 | Drive Motor "B" Inverter Phase V Over Temperature | | |
| P0C16 | Drive Motor "B" Inverter Phase W Over Temperature | | |
| P0C17 | Drive Motor "A" Position Sensor Not Learned | | |
| P0C18 | Drive Motor "B" Position Sensor Not Learned | | |
| P0C19 | Drive Motor "A" Torque Delivered Performance | | |
| P0C1A | Drive Motor "B" Torque Delivered Performance | | |
| P0C1B | Auxiliary Transmission Fluid Pump Control Module Internal Temperature Too High | | |
| P0C1C | Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit | | |
| P0C1D | Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit Range/Performance | | |
| P0C1E | Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit Low | | |
| P0C1F | Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit High | | |
| P0C20 | Auxiliary Transmission Fluid Pump Phase U-V-W Circuit/Open | | |
| P0C21 | Auxiliary Transmission Fluid Pump Phase U-V-W Circuit Low | | |
| P0C22 | Auxiliary Transmission Fluid Pump Phase U-V-W Circuit High | | |
| P0C23 | Auxiliary Transmission Fluid Pump Control Module Circuit/Open | | |
| P0C24 | Auxiliary Transmission Fluid Pump Control Module Circuit Low | | |
| P0C25 | Auxiliary Transmission Fluid Pump Control Module Circuit High | | |
| P0C26 | Auxiliary Transmission Fluid Pump Motor Current | | |
| P0C27 | Auxiliary Transmission Fluid Pump Motor Current Low | | |
| P0C28 | Auxiliary Transmission Fluid Pump Motor Current High | | |
| P0C29 | Auxiliary Transmission Fluid Pump Driver Circuit Performance | | |
| P0C2A | Auxiliary Transmission Fluid Pump Motor Stalled | | |
| P0C2B | Auxiliary Transmission Fluid Pump Control Module Feedback Signal | | |
| P0C2C | Auxiliary Transmission Fluid Pump Control Module Feedback | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-------------|
| DTO Rumber | Signal Range/Performance | Location | 1 001 11010 |
| P0C2D | Auxiliary Transmission Fluid Pump Control Module Feedback | | |
| 1 0020 | Signal Low | | |
| P0C2E | Auxiliary Transmission Fluid Pump Control Module Feedback | | |
| | Signal High | | |
| P0C2F | Internal Control Module Drive Motor/Generator - Engine Speed | | |
| | Sensor Performance | | |
| P0C30 | Hybrid Battery Pack State of Charge High | | |
| P0C31 | Inverter "B" Cooling System Performance | | |
| P0C32 | Hybrid Battery Cooling System Performance | | |
| P0C33 | Hybrid Battery Temperature Sensor "F" Circuit | | |
| P0C34 | Hybrid Battery Temperature Sensor "F" Circuit Range/Performance | | |
| P0C35 | Hybrid Battery Temperature Sensor "F" Circuit Low | | |
| P0C36 | Hybrid Battery Temperature Sensor "F" Circuit High | | |
| P0C37 | Hybrid Battery Temperature Sensor "F" Circuit Intermittent/Erratic | | |
| P0C38 | DC/DC Converter Temperature Sensor "A" Circuit | | |
| P0C39 | DC/DC Converter Temperature Sensor "A" Range/Performance | | |
| P0C3A | DC/DC Converter Temperature Sensor "A" Low | | |
| P0C3B | DC/DC Converter Temperature Sensor "A" High | | |
| P0C3C | DC/DC Converter Temperature Sensor "A" Intermittent/Erratic | | |
| P0C3D | DC/DC Converter Temperature Sensor "B" Circuit | | |
| P0C3E | DC/DC Converter Temperature Sensor "B" Range/Performance | | |
| P0C3F | DC/DC Converter Temperature Sensor "B" Low | | |
| P0C40 | DC/DC Converter Temperature Sensor "B" High | | |
| P0C41 | DC/DC Converter Temperature Sensor "B" Intermittent/Erratic | | |
| P0C42 | Hybrid Battery Pack Coolant Temperature Sensor Circuit | | |
| P0C43 | Hybrid Battery Pack Coolant Temperature Sensor Circuit | | |
| | Range/Performance | | |
| P0C44 | Hybrid Battery Pack Coolant Temperature Sensor Circuit Low | | |
| P0C45 | Hybrid Battery Pack Coolant Temperature Sensor Circuit High | | |
| P0C46 | Hybrid Battery Pack Coolant Temperature Sensor Circuit | | |
| D00.47 | Intermittent/Erratic | | |
| P0C47 | Hybrid Battery Pack Coolant Pump Control Circuit/Open | | |
| P0C48 | Hybrid Battery Pack Coolant Pump Control Circuit Low | | |
| P0C49 | Hybrid Battery Pack Coolant Pump Control Circuit High | | |
| P0C4A | Hybrid Battery Pack Coolant Pump Control Performance | | |
| P0C4B | Hybrid Battery Pack Coolant Pump Supply Voltage Circuit/Open | | |
| P0C4C | Hybrid Battery Pack Coolant Pump Supply Voltage Circuit Low | | |
| P0C4D | Hybrid Battery Pack Coolant Pump Supply Voltage Circuit High | | |
| P0C4E | Drive Motor "A" Position Exceeded Learning Limit | | |
| P0C4F | Drive Motor "B" Position Exceeded Learning Limit | | |
| P0C50 | Drive Motor "A" Position Sensor Circuit "A" | | Į. |
| P0C51 | Drive Motor "A" Position Sensor Circuit "A" Range/Performance | | |
| P0C52 | Drive Motor "A" Position Sensor Circuit "A" Low | | <u> </u> |
| P0C53 | Drive Motor "A" Position Sensor Circuit "A" High | | Ŷ. |
| P0C54 | Drive Motor "A" Position Sensor Circuit "A" Intermittent/Erratic | | |
| P0C55 | Drive Motor "B" Position Sensor Circuit "A" | | |
| P0C56 | Drive Motor "B" Position Sensor Circuit "A" Range/Performance | | |
| P0C57 | Drive Motor "B" Position Sensor Circuit "A" Low | | |
| P0C58 | Drive Motor "B" Position Sensor Circuit "A" High | | |
| P0C59 | Drive Motor "B" Position Sensor Circuit "A" Intermittent/Erratic | | |
| P0C5A | Drive Motor "A" Position Sensor Circuit "B" | | |
| P0C5B | Drive Motor "A" Position Sensor Circuit "B" Range/Performance | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P0C5C | Drive Motor "A" Position Sensor Circuit "B" Low | | |
| P0C5D | Drive Motor "A" Position Sensor Circuit "B" High | | |
| P0C5E | Drive Motor "A" Position Sensor Circuit "B" Intermittent/Erratic | | |
| P0C5F | Drive Motor "B" Position Sensor Circuit "B" | | |
| P0C60 | Drive Motor "B" Position Sensor Circuit "B" Range/Performance | | |
| P0C61 | Drive Motor "B" Position Sensor Circuit "B" Low | | |
| P0C62 | Drive Motor "B" Position Sensor Circuit "B" High | | |
| P0C63 | Drive Motor "B" Position Sensor Circuit "B" Intermittent/Erratic | | |
| P0C64 | Generator Position Sensor Circuit "A" | | |
| P0C65 | Generator Position Sensor Circuit "A" Range/Performance | | |
| P0C66 | Generator Position Sensor Circuit "A" Low | | |
| P0C67 | Generator Position Sensor Circuit "A" High | | |
| P0C68 | Generator Position Sensor Circuit "A" Intermittent/Erratic | | |
| P0C69 | Generator Position Sensor Circuit "B" | | |
| P0C6A | Generator Position Sensor Circuit "B" Range/Performance | | |
| P0C6B | Generator Position Sensor Circuit "B" Low | | |
| P0C6C | Generator Position Sensor Circuit "B" High | | |
| P0C6D | Generator Position Sensor Circuit "B" Intermittent/Erratic | | |
| P0C6E | Hybrid Battery Temperature Sensor "A"/"B" Correlation | | |
| P0C6F | Hybrid Battery Temperature Sensor "B"/"C" Correlation | | |
| P0C70 | Hybrid Battery Temperature Sensor "C"/"D" Correlation | | |
| P0C71 | Hybrid Battery Temperature Sensor "D"/"E" Correlation | | |
| P0C72 | Hybrid Battery Temperature Sensor "E"/"F" Correlation | | |
| P0C73 | Motor Electronics Coolant Pump "A" Control Performance | | |
| P0C74 | Motor Electronics Coolant Pump "B" Control Performance | | |
| P0C75 | Hybrid Battery System Discharge Time Too Short | | |
| P0C76 | Hybrid Battery System Discharge Time Too Long | | |
| P0C77 | Hybrid Battery System Precharge Time Too Short | | |
| P0C78 | Hybrid Battery System Precharge Time Too Long | | |
| P0C79 | Drive Motor "A" Inverter Voltage Too High | | |
| P0C7A | Drive Motor "B" Inverter Voltage Too High | | |
| P0C7B | Generator Inverter Voltage Too High | | |
| P0C7C | Hybrid Battery Temperature Sensor "G" Circuit | | |
| P0C7D | Hybrid Battery Temperature Sensor "G" Range/Performance | | |
| P0C7E | Hybrid Battery Temperature Sensor "G" Circuit Low | | |
| P0C7F | Hybrid Battery Temperature Sensor "G" Circuit High | | |
| P0C80 | Hybrid Battery Temperature Sensor "G" Circuit Intermittent/Erratic | | |
| P0C81 | Hybrid Battery Temperature Sensor "H" Circuit | |) |
| P0C82 | Hybrid Battery Temperature Sensor "H" Range/Performance | | |
| P0C83 | Hybrid Battery Temperature Sensor "H" Circuit Low | | Į. |
| P0C84 | Hybrid Battery Temperature Sensor "H" Circuit High | | |
| P0C85 | Hybrid Battery Temperature Sensor "H" Circuit Intermittent/Erratic | | |
| P0C86 | Hybrid Battery Temperature Sensor "F"/"G" Correlation | | ig. |
| P0C87 | Hybrid Battery Temperature Sensor "G"/"H" Correlation | | |
| P0C88 – P0CFF | ISO/SAE Reserved | | 1 |

TABLE D14 - P0DXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P0D00 | ISO/SAE Reserved | | _ |

TABLE D15 - P0EXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P0E00 | ISO/SAE Reserved | | |

TABLE D16 - P0FXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P0F00 | ISO/SAF Reserved | | |

TABLE D17 - P1XXX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| P1000 | Manufacturer Controlled DTC | | |

TABLE D18 - P20XX FUEL AND AIR METERING AND AUXILIARY EMISSION CONTROLS

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|---------------|-----------|
| P2000 | NOx Adsorber Efficiency Below Threshold | Bank 1 | |
| P2001 | NOx Adsorber Efficiency Below Threshold | Bank 2 | |
| P2002 | Diesel Particulate Filter Efficiency Below Threshold | Bank 1 | |
| P2003 | Diesel Particulate Filter Efficiency Below Threshold | Bank 2 | |
| P2004 | Intake Manifold Runner Control Stuck Open | Bank 1 | С |
| P2005 | Intake Manifold Runner Control Stuck Open | Bank 2 | С |
| P2006 | Intake Manifold Runner Control Stuck Closed | Bank 1 | С |
| P2007 | Intake Manifold Runner Control Stuck Closed | Bank 2 | С |
| P2008 | Intake Manifold Runner Control Circuit/Open | Bank 1 | С |
| P2009 | Intake Manifold Runner Control Circuit Low | Bank 1 | С |
| P200A | Intake Manifold Runner Performance | Bank 1 | |
| P200B | Intake Manifold Runner Performance | Bank 2 | |
| P200C | Diesel Particulate Filter Over Temperature | Bank 1 | |
| P200D | Diesel Particulate Filter Over Temperature | Bank 2 | |
| P200E | Catalyst System Over Temperature | Bank 1 | |
| P200F | Catalyst System Over Temperature | Bank 2 | |
| P2010 | Intake Manifold Runner Control Circuit High | Bank 1 | С |
| P2011 | Intake Manifold Runner Control Circuit/Open | Bank 2 | С |
| P2012 | Intake Manifold Runner Control Circuit Low | Bank 2 | С |
| P2013 | Intake Manifold Runner Control Circuit High | Bank 2 | С |
| P2014 | Intake Manifold Runner Position Sensor/Switch Circuit | Bank 1 | С |
| P2015 | Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance | Bank 1 | С |
| P2016 | Intake Manifold Runner Position Sensor/Switch Circuit Low | Bank 1 | С |
| P2017 | Intake Manifold Runner Position Sensor/Switch Circuit High | Bank 1 | С |
| P2018 | Intake Manifold Runner Position Sensor/Switch Circuit Intermittent | Bank 1 | С |
| P2019 | Intake Manifold Runner Position Sensor/Switch Circuit | Bank 2 | С |
| P201A | Reductant Injection Valve Circuit Range/Performance | Bank 2 Unit 1 | |
| P201B | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|-----------------|-----------|
| P201C | ISO/SAE Reserved | | |
| P201D | ISO/SAE Reserved | | |
| P201E | ISO/SAE Reserved | | |
| P201F | ISO/SAE Reserved | | |
| P2020 | Intake Manifold Runner Position Sensor/Switch Circuit | Bank 2 | С |
| . 2020 | Range/Performance | 50 2 | · · |
| P2021 | Intake Manifold Runner Position Sensor/Switch Circuit Low | Bank 2 | С |
| P2022 | Intake Manifold Runner Position Sensor/Switch Circuit High | Bank 2 | С |
| P2023 | Intake Manifold Runner Position Sensor/Switch Circuit Intermittent | Bank 2 | С |
| P2024 | Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit | | |
| P2025 | Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Performance | | |
| P2026 | Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Low Voltage | | |
| P2027 | Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit High Voltage | | |
| P2028 | Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Intermittent | | |
| P2029 | Fuel Fired Heater Disabled | | |
| P202A | Reductant Tank Heater Control Circuit/Open | | |
| P202B | Reductant Tank Heater Control Circuit Low | | |
| P202C | Reductant Tank Heater Control Circuit High | | |
| P202D | Reductant Leakage | | |
| P202E | Reductant Injection Valve Circuit Range/Performance | Bank 1 Unit 1 | |
| P202F | Reductant/Regeneration Supply Control Circuit Range/Performance | | |
| P2030 | Fuel Fired Heater Performance | | |
| P2031 | Exhaust Gas Temperature Sensor Circuit | Bank 1 Sensor 2 | |
| P2032 | Exhaust Gas Temperature Sensor Circuit Low | Bank 1 Sensor 2 | |
| P2033 | Exhaust Gas Temperature Sensor Circuit High | Bank 1 Sensor 2 | |
| P2034 | Exhaust Gas Temperature Sensor Circuit | Bank 2 Sensor 2 | |
| P2035 | Exhaust Gas Temperature Sensor Circuit Low | Bank 2 Sensor 2 | |
| P2036 | Exhaust Gas Temperature Sensor Circuit High | Bank 2 Sensor 2 | |
| P2037 | Reductant Injection Air Pressure Sensor "A" Circuit | | |
| P2038 | Reductant Injection Air Pressure Sensor "A" Circuit Range/Performance | | |
| P2039 | Reductant Injection Air Pressure Sensor "A" Circuit Low | | |
| P203A | Reductant Level Sensor Circuit | | |
| P203B | Reductant Level Sensor Circuit Range/Performance | | |
| P203C | Reductant Level Sensor Circuit Low | | |
| P203D P203E | Reductant Level Sensor Circuit High Reductant Level Sensor Circuit Intermittent/Erratic | | |
| P203E P203F | Reductant Level Too Low | | |
| P2040 | | | |
| P2040 P2041 | Reductant Injection Air Pressure Sensor "A" Circuit High | | |
| P2041 P2042 | Reductant Injection Air Pressure Sensor "A" Circuit Intermittent Reductant Temperature Sensor Circuit | | |
| | · | | |
| P2043 P2044 | Reductant Temperature Sensor Circuit Range/Performance Reductant Temperature Sensor Circuit Low | | |
| P2044 P2045 | · | | |
| | Reductant Temperature Sensor Circuit Intermittent | | |
| P2046 P2047 | Reductant Temperature Sensor Circuit Intermittent | Bank 1 Unit 1 | |
| P2047 P2048 | Reductant Injection Valve Circuit/Open Reductant Injection Valve Circuit Low | Bank 1 Unit 1 | |
| P2046 P2049 | Reductant Injection Valve Circuit Low Reductant Injection Valve Circuit High | Bank 1 Unit 1 | |
| P2049 P204A | Reductant Injection Valve Circuit High Reductant Pressure Sensor Circuit | Dail I UIIIL I | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|---------------|-----------|
| P204B | Reductant Pressure Sensor Circuit Range/Performance | | |
| P204C | Reductant Pressure Sensor Circuit Low | | |
| P204D | Reductant Pressure Sensor Circuit High | | |
| P204E | Reductant Pressure Sensor Circuit Intermittent/Erratic | | |
| P204F | Reductant System Performance | Bank 1 | |
| P2050 | Reductant Injection Valve Circuit/Open | Bank 2 Unit 1 | |
| P2051 | Reductant Injection Valve Circuit Low | Bank 2 Unit 1 | |
| P2052 | Reductant Injection Valve Circuit High | Bank 2 Unit 1 | |
| P2053 | Reductant Injection Valve Circuit/Open | Bank 1 Unit 2 | |
| P2054 | Reductant Injection Valve Circuit Low | Bank 1 Unit 2 | |
| P2055 | Reductant Injection Valve Circuit High | Bank 1 Unit 2 | |
| P2056 | Reductant Injection Valve Circuit/Open | Bank 2 Unit 2 | |
| P2057 | Reductant Injection Valve Circuit Low | Bank 2 Unit 2 | |
| P2058 | Reductant Injection Valve Circuit High | Bank 2 Unit 2 | |
| P2059 | Reductant Injection Air Pump Control Circuit/Open | | |
| P205A | Reductant Tank Temperature Sensor Circuit | | |
| P205B | Reductant Tank Temperature Sensor Circuit Range/Performance | | |
| P205C | Reductant Tank Temperature Sensor Circuit Low | | |
| P205D | Reductant Tank Temperature Sensor Circuit High | | |
| P205E | Reductant Tank Temperature Sensor Circuit Intermittent/Erratic | | |
| P205F | Reductant System Performance | Bank 2 | |
| P2060 | Reductant Injection Air Pump Control Circuit Low | | |
| P2061 | Reductant Injection Air Pump Control Circuit High | | |
| P2062 | Reductant/Regeneration Supply Control Circuit/Open | | |
| P2063 | Reductant/Regeneration Supply Control Circuit Low | | |
| P2064 | Reductant/Regeneration Supply Control Circuit High | | |
| P2065 | Fuel Level Sensor "B" Circuit | | |
| P2066 | Fuel Level Sensor "B" Performance | | |
| P2067 | Fuel Level Sensor "B" Circuit Low | | |
| P2068 | Fuel Level Sensor "B" Circuit High | | |
| P2069 | Fuel Level Sensor "B" Circuit Intermittent | | |
| P206A | Reductant Quality Sensor Circuit | | |
| P206B | Reductant Quality Sensor Circuit Range/Performance | | |
| P206C | Reductant Quality Sensor Circuit Low | | |
| P206D | Reductant Quality Sensor Circuit High | | |
| P206E | Intake Manifold Tuning (IMT) Valve Stuck Open | Bank 2 | С |
| P206F | Intake Manifold Tuning (IMT) Valve Stuck Closed | Bank 2 | С |
| P2070 | Intake Manifold Tuning (IMT) Valve Stuck Open | Bank 1 | С |
| P2071 | Intake Manifold Tuning (IMT) Valve Stuck Closed | Bank 1 | С |
| P2072 | Throttle Actuator Control System - Ice Blockage | | |
| P2073 | Manifold Absolute Pressure/Mass Air Flow - Throttle Position | | |
| D0074 | Correlation at Idle | | |
| P2074 | Manifold Absolute Pressure/Mass Air Flow - Throttle Position | | |
| P2075 | Correlation at Higher Load Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 1 | 0 |
| P2075 P2076 | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 1 | С |
| F2070 | Range/Performance | Dalik i | С |
| P2077 | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 1 | С |
| | Low | | - |
| P2078 | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 1 | С |
| | High | | |
| P2079 | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 1 | С |
| | Intermittent | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|------------------|------------|
| P207A | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 2 | С |
| P207B | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 2 | С |
| | Range/Performance | | • |
| P207C | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 2 | С |
| | Low | | |
| P207D | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit | Bank 2 | С |
| D007E | High | Doml. O | _ |
| P207E | Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent | Bank 2 | С |
| P207F | Reductant Quality Performance | | |
| P2080 | Exhaust Gas Temperature Sensor Circuit Range/Performance | Bank 1 Sensor 1 | |
| P2081 | Exhaust Gas Temperature Sensor Circuit Intermittent | Bank 1 Sensor 1 | |
| P2082 | Exhaust Gas Temperature Sensor Circuit Range/Performance | Bank 2 Sensor 1 | |
| P2083 | Exhaust Gas Temperature Sensor Circuit Intermittent | Bank 2 Sensor 1 | |
| P2084 | Exhaust Gas Temperature Sensor Circuit Range/Performance | Bank 1 Sensor 2 | |
| P2085 | Exhaust Gas Temperature Sensor Circuit Intermittent | Bank 1 Sensor 2 | |
| P2086 | Exhaust Gas Temperature Sensor Circuit Range/Performance | Bank 2 Sensor 2 | |
| P2087 | Exhaust Gas Temperature Sensor Circuit Intermittent | Bank 2 Sensor 2 | |
| P2088 | "A" Camshaft Position Actuator Control Circuit Low | Bank 1 | a,8 |
| P2089 | "A" Camshaft Position Actuator Control Circuit Low | Bank 1 | a,8 |
| P2089 P208A | Reductant Pump Control Circuit/Open | Dalik i | а,о |
| P208B | Reductant Pump Control Range/Performance | | |
| P208C | Reductant Pump Control Circuit Low | | |
| P208D | · | | |
| P208E | Reductant Pump Control Circuit High | Bank 1 Unit 1 | |
| P208E P208F | Reductant Injection Valve Stuck Closed | Bank 2 Unit 1 | |
| P2090 | Reductant Injection Valve Stuck Closed "B" Camshaft Position Actuator Control Circuit Low | Bank 1 | h O |
| P2090 P2091 | | Bank 1 | b,8 |
| P2091 P2092 | "B" Camshaft Position Actuator Control Circuit High "A" Camshaft Position Actuator Control Circuit Low | Bank 2 | b,8 |
| P2092 P2093 | "A" Camshaft Position Actuator Control Circuit Low | Bank 2 | a,8 |
| P2093 P2094 | "B" Camshaft Position Actuator Control Circuit High | Bank 2 | a,8 |
| P2094 P2095 | "B" Camshaft Position Actuator Control Circuit Low | Bank 2 | b,8 b,8 |
| P2096 | Post Catalyst Fuel Trim System Too Lean | Bank 1 | 5,6 |
| P2090 P2097 | Post Catalyst Fuel Trim System Too Rich | Bank 1 | |
| | , | | |
| P2098 P2099 | Post Catalyst Fuel Trim System Too Lean Post Catalyst Fuel Trim System Too Rich | Bank 2 Bank 2 | |
| P2099 P209A | Reductant Injection Air Pressure Sensor "B" Circuit | Dalik Z | |
| P209A P209B | Reductant Injection Air Pressure Sensor "B" Circuit Reductant Injection Air Pressure Sensor "B" Circuit | | |
| F209B | Range/Performance | | |
| P209C | Reductant Injection Air Pressure Sensor "B" Circuit Low | | |
| P209D | Reductant Injection Air Pressure Sensor "B" Circuit High | | |
| P209E | Reductant Injection Air Pressure Sensor "A"/"B" Correlation | | |
| P209F | Reductant Tank Heater Control Circuit Performance | | |
| P20A0 | Reductant Purge Control Valve Circuit /Open | | |
| P20A1 | Reductant Purge Control Valve Performance | | |
| P20A2 | Reductant Purge Control Valve Circuit Low | | |
| P20A3 | Reductant Purge Control Valve Circuit High | | |
| P20A4 | Reductant Purge Control Valve Stuck Open | | |
| P20A5 | Reductant Purge Control Valve Stuck Closed | | |
| P20A6 | Reductant Injection Air Pressure Control Valve Circuit/Open | | |
| P20A7 | Reductant Injection Air Pressure Control Valve Performance | | |
| P20A8 | Reductant Injection Air Pressure Control Valve Circuit Low | | |
| P20A9 | Reductant Injection Air Pressure Control Valve Circuit High | | |
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| P20AA Reductant Injection Air Pressure Control Valve Stuck Open P20AB Reductant Injection Air Pressure Control Valve Stuck Closed P20AC Reductant Metering Unit Temperature Sensor Circuit P20AD Reductant Metering Unit Temperature Sensor Circuit Range/Performance P20AE Reductant Metering Unit Temperature Sensor Circuit Low P20AF Reductant Metering Unit Temperature Sensor Circuit High P20BO Reductant Metering Unit Temperature Sensor Circuit Intermitent/Erratic P20B1 Reductant Metering Unit Temperature Sensor Circuit Intermitent/Erratic P20B2 Reductant Heater Coolant Control Valve Circuit/Open P20B3 Reductant Heater Coolant Control Valve Performance P20B3 Reductant Heater Coolant Control Valve Circuit Low P20B4 Reductant Metering Unit Heater Control Circuit High P20B5 Reductant Metering Unit Heater Control Circuit Performance P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Performance P20B8 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit Low P20B9 Reductant Heater "A" Control Circuit Performance P20B0 Reductant Heater "B" Control Circuit High P20B1 Reductant Heater "C" Control Circuit High P20B2 Reductant Heater "C" Control Circuit High P20B3 Reductant Heater "C" Control Circuit High P20B4 Reductant Heater "C" Control Circuit High P20B5 Reductant Heater "C" Control Circuit High P20B6 Reductant Heater "C" Control Circuit High P20B7 Reductant Heater "C" Control Circuit High P20B8 Reductant Heater "C" Control Circuit High P20B9 Reductant Heater "C" Control Circuit High P20B9 Reductant Heater "D" Control Circuit High P20B9 Reductant Heater "D" Control Circuit High P20B9 Reductant Heater "D" C |
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| P20AB Reductant Injection Air Pressure Control Valve Stuck Closed P20AC Reductant Metering Unit Temperature Sensor Circuit P20AD Reductant Metering Unit Temperature Sensor Circuit Range/Performance P20AE Reductant Metering Unit Temperature Sensor Circuit Low P20AF Reductant Metering Unit Temperature Sensor Circuit High P20B0 Reductant Metering Unit Temperature Sensor Circuit High P20B1 Reductant Metering Unit Temperature Sensor Circuit Intermittent/Erratic P20B2 Reductant Heater Coolant Control Valve Circuit/Open P20B3 Reductant Heater Coolant Control Valve Performance P20B4 Reductant Heater Coolant Control Valve Circuit Low P20B5 Reductant Heater Coolant Control Valve Circuit High P20B5 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit High P20B0 Reductant Heater "A" Control Circuit Performance P20BA Reductant Heater "A" Control Circuit High P20BC Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BC Reductant Heater "B" Control Circuit High P20BC Reductant Heater "B" Control Circuit High P20BC Reductant Heater "B" Control Circuit High P20C1 Reductant Heater "B" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Low P20C3 Reductant Heater "C" Control Circuit Low P20C4 Reductant Heater "C" Control Circuit Low P20C5 Reductant Heater "C" Control Circuit Low P20C6 Reductant Heater "C" Control Circuit Low P20C7 Reductant Heater "D" Control Circuit Low P20C7 Reductant Heater "D" Control Circuit Low |
| P20AC Reductant Metering Unit Temperature Sensor Circuit P20AD Reductant Metering Unit Temperature Sensor Circuit Range/Performance P20AE Reductant Metering Unit Temperature Sensor Circuit Low P20AF Reductant Metering Unit Temperature Sensor Circuit High P20B0 Reductant Metering Unit Temperature Sensor Circuit High P20B1 Reductant Metering Unit Temperature Sensor Circuit Intermittent/Erratic P20B1 Reductant Heater Coolant Control Valve Circuit/Open P20B2 Reductant Heater Coolant Control Valve Performance P20B3 Reductant Heater Coolant Control Valve Circuit Low P20B4 Reductant Heater Coolant Control Valve Circuit High P20B5 Reductant Metering Unit Heater Control Circuit/Open P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Performance P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit Ferformance P20BA Reductant Heater "A" Control Circuit Low P20BA Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit Low P20BF Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit Low P20C1 Reductant Heater "B" Control Circuit Low P20C2 Reductant Heater "B" Control Circuit Low P20C3 Reductant Heater "C" Control Circuit Low P20C4 Reductant Heater "C" Control Circuit Low P20C5 Reductant Heater "C" Control Circuit Low P20C6 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Performance |
| P20AD Reductant Metering Unit Temperature Sensor Circuit Range/Performance P20AE Reductant Metering Unit Temperature Sensor Circuit Low P20AF Reductant Metering Unit Temperature Sensor Circuit High P20B0 Reductant Metering Unit Temperature Sensor Circuit Intermittent/Erratic P20B1 Reductant Heater Coolant Control Valve Circuit/Open P20B2 Reductant Heater Coolant Control Valve Performance P20B3 Reductant Heater Coolant Control Valve Circuit Low P20B4 Reductant Heater Coolant Control Valve Circuit Low P20B5 Reductant Metering Unit Heater Control Circuit High P20B5 Reductant Metering Unit Heater Control Circuit Performance P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit Performance P20B0 Reductant Heater "A" Control Circuit Performance P20B0 Reductant Heater "A" Control Circuit High P20B0 Reductant Heater "A" Control Circuit High P20B0 Reductant Heater "B" Control Circuit High P20B0 Reductant Heater "B" Control Circuit High P20B0 Reductant Heater "B" Control Circuit High P20B1 Reductant Heater "B" Control Circuit High P20B2 Reductant Heater "B" Control Circuit High P20B3 Reductant Heater "B" Control Circuit Low P20B4 Reductant Heater "B" Control Circuit High P20B5 Reductant Heater "B" Control Circuit Low P20B6 Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "C" Control Circuit High P20C1 Reductant Heater "C" Control Circuit High P20C2 Reductant Heater "C" Control Circuit High P20C3 Reductant Heater "C" Control Circuit High P20C6 Reductant Heater "C" Control Circuit High P20C7 Reductant Heater "C" Control Circuit High P20C6 Reductant Heater "C" Control Circuit High P20C7 Reductant Heater "D" Control Circuit High P20C7 Reductant Heater "D" Control Circuit High |
| Range/Performance Reductant Metering Unit Temperature Sensor Circuit Low P20AF Reductant Metering Unit Temperature Sensor Circuit High P20B0 Reductant Metering Unit Temperature Sensor Circuit Intermittent/Erratic P20B1 Reductant Heater Coolant Control Valve Circuit/Open P20B2 Reductant Heater Coolant Control Valve Performance P20B3 Reductant Heater Coolant Control Valve Circuit Low P20B4 Reductant Heater Coolant Control Valve Circuit High P20B5 Reductant Metering Unit Heater Control Circuit Performance P20B6 Reductant Metering Unit Heater Control Circuit Deprement P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Heater "A" Control Circuit Performance P20B9 Reductant Heater "A" Control Circuit Performance P20B0 Reductant Heater "A" Control Circuit Low P20B0 Reductant Heater "A" Control Circuit Low P20B0 Reductant Heater "B" Control Circuit Low P20B0 Reductant Heater "B" Control Circuit Low P20B0 Reductant Heater "B" Control Circuit High P20B0 Reductant Heater "B" Control Circuit High P20B1 Reductant Heater "B" Control Circuit Performance P20B2 Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit Low P20C1 Reductant Heater "C" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit High P20C4 Reductant Heater "C" Control Circuit High P20C5 Reductant Heater "C" Control Circuit High P20C6 Reductant Heater "C" Control Circuit High P20C7 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Performance |
| P20AF Reductant Metering Unit Temperature Sensor Circuit High P20B0 Reductant Metering Unit Temperature Sensor Circuit Intermittent/Erratic P20B1 Reductant Heater Coolant Control Valve Circuit/Open P20B2 Reductant Heater Coolant Control Valve Performance P20B3 Reductant Heater Coolant Control Valve Circuit Low P20B4 Reductant Heater Coolant Control Valve Circuit High P20B5 Reductant Metering Unit Heater Control Circuit/Open P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit High P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit/Open P20BA Reductant Heater "A" Control Circuit Performance P20BB Reductant Heater "A" Control Circuit Performance P20BC Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BC Reductant Heater "B" Control Circuit High P20BE Reductant Heater "B" Control Circuit Low P20BF Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit Low P20C1 Reductant Heater "B" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit Performance P20C4 Reductant Heater "C" Control Circuit Performance P20C5 Reductant Heater "C" Control Circuit High P20C6 Reductant Heater "C" Control Circuit High P20C7 Reductant Heater "D" Control Circuit High P20C6 Reductant Heater "C" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit High P20C6 Reductant Heater "D" Control Circuit High P20C7 Reductant Heater "D" Control Circuit High P20C6 Reductant Heater "D" Control Circuit High P20C7 Reductant Heater "D" Control Circuit Performance |
| P20B0 Reductant Metering Unit Temperature Sensor Circuit Intermittent/Erratic P20B1 Reductant Heater Coolant Control Valve Circuit/Open P20B2 Reductant Heater Coolant Control Valve Performance P20B3 Reductant Heater Coolant Control Valve Circuit Low P20B4 Reductant Heater Coolant Control Valve Circuit High P20B5 Reductant Metering Unit Heater Control Circuit/Open P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit High P20B9 Reductant Heater "A" Control Circuit Performance P20BA Reductant Heater "A" Control Circuit Performance P20BB Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "A" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BE Reductant Heater "B" Control Circuit Low P20BF Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit Low P20C1 Reductant Heater "B" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit Low P20C4 Reductant Heater "C" Control Circuit High P20C5 Reductant Heater "C" Control Circuit High P20C6 Reductant Heater "D" Control Circuit High P20C7 Reductant Heater "D" Control Circuit Performance P20C6 Reductant Heater "D" Control Circuit Performance |
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| P20B2 Reductant Heater Coolant Control Valve Performance P20B3 Reductant Heater Coolant Control Valve Circuit Low P20B4 Reductant Heater Coolant Control Valve Circuit High P20B5 Reductant Metering Unit Heater Control Circuit/Open P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit High P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit Performance P20BA Reductant Heater "A" Control Circuit Performance P20BB Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "A" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit Performance P20BE Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit Low P20C1 Reductant Heater "B" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit Performance P20C4 Reductant Heater "C" Control Circuit Low P20C5 Reductant Heater "C" Control Circuit Low P20C6 Reductant Heater "C" Control Circuit High P20C7 Reductant Heater "D" Control Circuit High P20C6 Reductant Heater "D" Control Circuit High P20C7 Reductant Heater "D" Control Circuit High P20C6 Reductant Heater "D" Control Circuit High P20C7 Reductant Heater "D" Control Circuit Performance P20C6 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Performance |
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| P20B4 Reductant Heater Coolant Control Valve Circuit High P20B5 Reductant Metering Unit Heater Control Circuit/Open P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit High P20B0 Reductant Heater "A" Control Circuit Performance P20BA Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "A" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit Performance P20BE Reductant Heater "B" Control Circuit Performance P20BF Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit High P20C1 Reductant Heater "C" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit Low P20C4 Reductant Heater "C" Control Circuit Low P20C5 Reductant Heater "C" Control Circuit High P20C6 Reductant Heater "C" Control Circuit High P20C7 Reductant Heater "D" Control Circuit High P20C6 Reductant Heater "D" Control Circuit High P20C7 Reductant Heater "D" Control Circuit Performance |
| P20B5 Reductant Metering Unit Heater Control Circuit/Open P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit/Open P20BA Reductant Heater "A" Control Circuit Performance P20BB Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "A" Control Circuit High P20BD Reductant Heater "B" Control Circuit/Open P20BE Reductant Heater "B" Control Circuit Performance P20BF Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit Low P20C1 Reductant Heater "B" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit Low P20C4 Reductant Heater "C" Control Circuit Low P20C5 Reductant Heater "C" Control Circuit High P20C5 Reductant Heater "C" Control Circuit High P20C6 Reductant Heater "C" Control Circuit High P20C7 Reductant Heater "D" Control Circuit Performance |
| P20B6 Reductant Metering Unit Heater Control Circuit Performance P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit Performance P20BA Reductant Heater "A" Control Circuit Performance P20BB Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "A" Control Circuit Ligh P20BD Reductant Heater "B" Control Circuit Performance P20BE Reductant Heater "B" Control Circuit Performance P20BF Reductant Heater "B" Control Circuit Performance P20BF Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit High P20C1 Reductant Heater "C" Control Circuit Performance P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit Low P20C4 Reductant Heater "C" Control Circuit High P20C5 Reductant Heater "D" Control Circuit High P20C6 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Performance |
| P20B7 Reductant Metering Unit Heater Control Circuit Low P20B8 Reductant Metering Unit Heater Control Circuit High P20B9 Reductant Heater "A" Control Circuit/Open P20BA Reductant Heater "A" Control Circuit Performance P20BB Reductant Heater "A" Control Circuit Low P20BC Reductant Heater "A" Control Circuit High P20BD Reductant Heater "B" Control Circuit High P20BD Reductant Heater "B" Control Circuit Performance P20BE Reductant Heater "B" Control Circuit Low P20C0 Reductant Heater "B" Control Circuit High P20C1 Reductant Heater "B" Control Circuit High P20C2 Reductant Heater "C" Control Circuit Performance P20C3 Reductant Heater "C" Control Circuit Low P20C4 Reductant Heater "C" Control Circuit Low P20C5 Reductant Heater "C" Control Circuit High P20C5 Reductant Heater "D" Control Circuit Performance P20C6 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Performance |
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| P20C4 Reductant Heater "C" Control Circuit High P20C5 Reductant Heater "D" Control Circuit/Open P20C6 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Low |
| P20C5 Reductant Heater "D" Control Circuit/Open P20C6 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Low |
| P20C6 Reductant Heater "D" Control Circuit Performance P20C7 Reductant Heater "D" Control Circuit Low |
| P20C7 Reductant Heater "D" Control Circuit Low |
| |
| FEGGG TOGGGGGGG D OUTGOT OF OUTGIT FIGHT |
| P20C9 Reductant Control Module Requested MIL Illumination |
| P20CA Reductant Injection Air Pressure Leakage |
| P20CB Exhaust Aftertreatment Fuel Injector "A" Control Circuit/Open |
| P20CC Exhaust Aftertreatment Fuel Injector "A" Control Performance |
| P20CD Exhaust Aftertreatment Fuel Injector "A" Control Circuit Low |
| P20CE Exhaust Aftertreatment Fuel Injector "A" Control Circuit High |
| P20CF Exhaust Aftertreatment Fuel Injector "A" Stuck Open |
| P20D0 Exhaust Aftertreatment Fuel Injector "A" Stuck Closed |
| P20D1 Exhaust Aftertreatment Fuel Injector "B" Control Circuit/Open |
| P20D2 Exhaust Aftertreatment Fuel Injector "B" Control Performance |
| P20D3 Exhaust Aftertreatment Fuel Injector "B" Control Circuit Low |
| P20D4 Exhaust Aftertreatment Fuel Injector "B" Control Circuit High |
| P20D5 Exhaust Aftertreatment Fuel Injector "B" Stuck Open |
| P20D6 Exhaust Aftertreatment Fuel Injector "B" Stuck Closed |
| P20D7 Exhaust Aftertreatment Fuel Supply Control Circuit/Open |
| P20D8 Exhaust Aftertreatment Fuel Supply Control Performance |
| P20D9 Exhaust Aftertreatment Fuel Supply Control Circuit Low |
| P20DA Exhaust Aftertreatment Fuel Supply Control Circuit High |
| P20DB Exhaust Aftertreatment Fuel Supply Control Stuck Open |
| P20DC Exhaust Aftertreatment Fuel Supply Control Stuck Closed |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|---------------|------------------|
| P20DD | Exhaust Aftertreatment Fuel Pressure Sensor Circuit | | |
| P20DE | Exhaust Aftertreatment Fuel Pressure Sensor Circuit | | |
| | Range/Performance | | |
| P20DF | Exhaust Aftertreatment Fuel Pressure Sensor Circuit Low | | |
| P20E0 | Exhaust Aftertreatment Fuel Pressure Sensor Circuit High | | |
| P20E1 | Exhaust Aftertreatment Fuel Pressure Sensor Circuit Intermittent/Erratic | | |
| P20E2 | Exhaust Gas Temperature Sensor 1/2 Correlation | Bank 1 | |
| P20E3 | Exhaust Gas Temperature Sensor 1/3 Correlation | Bank 1 | |
| P20E4 | Exhaust Gas Temperature Sensor 2/3 Correlation | Bank 1 | |
| P20E5 | Exhaust Gas Temperature Sensor 1/2 Correlation | Bank 2 | |
| P20E6 | Reductant Injection Air Pressure Too Low | | |
| P20E7 | Reductant Injection Air Pressure Too High | | |
| P20E8 | Reductant Pressure Too Low | | |
| P20E9 | Reductant Pressure Too High | | |
| P20EA | Reductant Control Module Power Relay De-Energized Performance - Too Early | | |
| P20EB | Reductant Control Module Power Relay De-Energized Performance | | |
| P20EC | - Too Late | Bank 1 | |
| P20EC P20ED | SCR NOx Catalyst - Over Temperature SCR NOx Pre-Catalyst - Over Temperature | Bank 1 | |
| P20EE | SCR NOx Pre-Catalyst - Over Temperature SCR NOx Catalyst Efficiency Below Threshold | Bank 1 | |
| P20EF | SCR NOx Catalyst Efficiency Below Threshold SCR NOx Pre- Catalyst Efficiency Below Threshold | Bank 1 | |
| P20F0 | SCR NOx Catalyst - Over Temperature | Bank 2 | |
| P20F1 | SCR NOx Pre-Catalyst - Over Temperature | Bank 2 | |
| P20F2 | SCR NOx Catalyst Efficiency Below Threshold | Bank 2 | |
| P20F3 | SCR NOx Pre- Catalyst Efficiency Below Threshold | Bank 2 | |
| P20F4 | Reductant Consumption Too Low | Dank 2 | |
| P20F5 | Reductant Consumption Too High | | |
| P20F6 | Reductant Injection Valve Stuck Open | Bank 1 Unit 1 | |
| P20F7 | Reductant Injection Valve Stuck Open | Bank 2 Unit 1 | |
| P20F8 – P20FF | ISO/SAE Reserved | 20.11. 2 | |

- 8) For DTCs P2088 P2095 also see P0010 P0023
- a) The "A" camshaft shall be either the "intake," "left," or "front" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.
- b) The "B" camshaft shall be either the "exhaust," "right," or "rear" camshaft. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank.
- c) DTC Application note for Intake Manifold Tuning Valves and Intake Manifold Runner controls: Active controls are used to modify or control airflow within the engine air intake system. These controls may be used to enhance or modify in-cylinder airflow motion (charge motion), modify the airflow dynamics (manifold tuning) within the intake manifold or both. Devices that control charge motion are commonly called Intake Manifold Runner Control, Swirl Control Valve, and Charge Motion Control Valve. The ISO/SAE recommended term for any device that controls charge motion is Intake Manifold Runner Control (IMRC). Devices that control manifold dynamics or manifold tuning are commonly called Intake Manifold Tuning Valve, Long/Short Runner Control and Intake Manifold Communication Control. The SAE recommended term for any device that controls manifold tuning is Intake Manifold Tuning (IMT) Valve.

TABLE D19 - P21XX FUEL AND AIR METERING AND AUXILIARY EMISSION CONTROLS

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P2100 | Throttle Actuator "A" Control Motor Circuit/Open | | 9 |
| P2101 | Throttle Actuator "A" Control Motor Circuit Range/Performance | | 9 |
| P2102 | Throttle Actuator "A" Control Motor Circuit Low | | 9 |
| P2103 | Throttle Actuator "A" Control Motor Circuit High | | 9 |
| P2104 | Throttle Actuator Control System - Forced Idle | | 9 |
| P2105 | Throttle Actuator Control System - Forced Engine Shutdown | | 9 |
| P2106 | Throttle Actuator Control System - Forced Limited Power | | 9 |
| P2107 | Throttle Actuator Control Module Processor | | 9 |
| P2108 | Throttle Actuator Control Module Performance | | 9 |
| P2109 | Throttle/Pedal Position Sensor "A" Minimum Stop Performance | | 9 |
| P210A | Throttle Actuator "B" Control Motor Circuit/Open | | 9 |
| P210B | Throttle Actuator "B" Control Motor Circuit Range/Performance | | 9 |
| P210C | Throttle Actuator "B" Control Motor Circuit Low | | 9 |
| P210D | Throttle Actuator "B" Control Motor Circuit High | | 9 |
| P210E | Throttle/Pedal Position Sensor/Switch "C"/"F" Voltage Correlation | | 9 |
| P210F | ISO/SAE Reserved | | į. |
| P2110 | Throttle Actuator Control System - Forced Limited RPM | | 9 |
| P2111 | Throttle Actuator Control System - Stuck Open | | 9 |
| P2112 | Throttle Actuator Control System - Stuck Closed | | 9 |
| P2113 | Throttle/Pedal Position Sensor "B" Minimum Stop Performance | | 1 |
| P2114 | Throttle/Pedal Position Sensor "C" Minimum Stop Performance | | |
| P2115 | Throttle/Pedal Position Sensor "D" Minimum Stop Performance | | |
| P2116 | Throttle/Pedal Position Sensor "E" Minimum Stop Performance | | |
| P2117 | Throttle/Pedal Position Sensor "F" Minimum Stop Performance | | |
| P2118 | Throttle Actuator Control Motor Current Range/Performance | | 9 |
| P2119 | Throttle Actuator Control Throttle Body Range/Performance | | 9 |
| P211A | ISO/SAE Reserved | | |
| P211B | ISO/SAE Reserved | | |
| P211C | ISO/SAE Reserved | | |
| P211D | ISO/SAE Reserved | | |
| P211E | ISO/SAE Reserved | | |
| P211F | ISO/SAE Reserved | | |
| P2120 | Throttle/Pedal Position Sensor/Switch "D" Circuit | | |
| P2121 | Throttle/Pedal Position Sensor/Switch "D" Circuit | | |
| P2122 | Range/Performance Throttle/Pedal Position Sensor/Switch "D" Circuit Low | | |
| P2123 | Throttle/Pedal Position Sensor/Switch "D" Circuit Low Throttle/Pedal Position Sensor/Switch "D" Circuit High | | |
| P2124 | Throttle/Pedal Position Sensor/Switch "D" Circuit Intermittent | | |
| P2125 | Throttle/Pedal Position Sensor/Switch "E" Circuit | | |
| P2126 | Throttle/Pedal Position Sensor/Switch "E" Circuit | | |
| 1 2 120 | Range/Performance | | |
| P2127 | Throttle/Pedal Position Sensor/Switch "E" Circuit Low | | |
| P2128 | Throttle/Pedal Position Sensor/Switch "E" Circuit High | | |
| P2129 | Throttle/Pedal Position Sensor/Switch "E" Circuit Intermittent | | |
| P212A | Throttle Position Sensor/Switch "G" Circuit | | |
| P212B | Throttle Position Sensor/Switch "G" Circuit Range/Performance | | |
| P212C | Throttle Position Sensor/Switch "G" Circuit Low | | |
| P212D | Throttle Position Sensor/Switch "G" Circuit High | | |
| P212E | Throttle Position Sensor/Switch "G" Circuit Intermittent | | |
| P212F | ISO/SAE Reserved | | |
| | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P2130 | Throttle/Pedal Position Sensor/Switch "F" Circuit | | |
| P2131 | Throttle/Pedal Position Sensor/Switch "F" Circuit | | |
| | Range/Performance | | |
| P2132 | Throttle/Pedal Position Sensor/Switch "F" Circuit Low | | |
| P2133 | Throttle/Pedal Position Sensor/Switch "F" Circuit High | | |
| P2134 | Throttle/Pedal Position Sensor/Switch "F" Circuit Intermittent | | |
| P2135 | Throttle/Pedal Position Sensor/Switch "A"/"B" Voltage Correlation | | |
| P2136 | Throttle/Pedal Position Sensor/Switch "A"/"C" Voltage Correlation | | |
| P2137 | Throttle/Pedal Position Sensor/Switch "B"/"C" Voltage Correlation | | |
| P2138 | Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation | | |
| P2139 | Throttle/Pedal Position Sensor/Switch "D"/"F" Voltage Correlation | | |
| P213A | Exhaust Gas Recirculation Throttle Control Circuit "B" /Open | | |
| P213B | Exhaust Gas Recirculation Throttle Control Circuit "B" Range/Performance | | |
| P213C | Exhaust Gas Recirculation Throttle Control Circuit "B" Low | | 3 |
| P213D | Exhaust Gas Recirculation Throttle Control Circuit "B" High | | |
| P213E | Fuel Injection System Fault - Forced Engine Shutdown | | |
| P213F | Fuel Pump System Fault - Forced Engine Shutdown | | |
| P2140 | Throttle/Pedal Position Sensor/Switch "E"/"F" Voltage Correlation | | |
| P2141 | Exhaust Gas Recirculation Throttle Control Circuit "A" Low | | 3 |
| P2142 | Exhaust Gas Recirculation Throttle Control Circuit "A" High | | 3 |
| P2143 | Exhaust Gas Recirculation Vent Control Circuit/Open | | |
| P2144 | Exhaust Gas Recirculation Vent Control Circuit Low | | |
| P2145 | Exhaust Gas Recirculation Vent Control Circuit High | | |
| P2146 | Fuel Injector Group "A" Supply Voltage Circuit/Open | | |
| P2147 | Fuel Injector Group "A" Supply Voltage Circuit Low | | |
| P2148 | Fuel Injector Group "A" Supply Voltage Circuit High | | |
| P2149 | Fuel Injector Group "B" Supply Voltage Circuit/Open | | |
| P214A | ISO/SAE Reserved | | |
| P214B | ISO/SAE Reserved | | |
| P214C | ISO/SAE Reserved | | |
| P214D | ISO/SAE Reserved | | |
| P214E | ISO/SAE Reserved | | |
| P214F | ISO/SAE Reserved | | |
| P2150 | Fuel Injector Group "B" Supply Voltage Circuit Low | | |
| P2151 | Fuel Injector Group "B" Supply Voltage Circuit High | | |
| P2152 | Fuel Injector Group "C" Supply Voltage Circuit/Open | | |
| P2153 | Fuel Injector Group "C" Supply Voltage Circuit Low | | |
| P2154 | Fuel Injector Group "C" Supply Voltage Circuit High | | |
| P2155 | Fuel Injector Group "D" Supply Voltage Circuit/Open | | |
| P2156 | Fuel Injector Group "D" Supply Voltage Circuit Low | | |
| P2157 | Fuel Injector Group "D" Supply Voltage Circuit High | | |
| P2158 | Vehicle Speed Sensor "B" | | |
| P2159 | Vehicle Speed Sensor "B" Range/Performance | | |
| P215A | Vehicle Speed - Wheel Speed Correlation | | |
| P215B | Vehicle Speed - Output Shaft Speed Correlation | | |
| P215C | Output Shaft Speed - Wheel Speed Correlation | | |
| P215D | ISO/SAE Reserved | | |
| P215E | ISO/SAE Reserved | | |
| P215F | ISO/SAE Reserved | | |
| P2160 | | | |
| | Vehicle Speed Sensor "B" Circuit Low | | |
| P2161 | Vehicle Speed Sensor "B" Intermittent/Erratic/High | | |
| P2162 | Vehicle Speed Sensor "A"/"B" Correlation | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------------|-----------|
| P2163 | Throttle/Pedal Position Sensor "A" Maximum Stop Performance | | |
| P2164 | Throttle/Pedal Position Sensor "B" Maximum Stop Performance | | |
| P2165 | Throttle/Pedal Position Sensor "C" Maximum Stop Performance | | |
| P2166 | Throttle/Pedal Position Sensor "D" Maximum Stop Performance | | |
| P2167 | Throttle/Pedal Position Sensor "E" Maximum Stop Performance | | |
| P2168 | Throttle/Pedal Position Sensor "F" Maximum Stop Performance | | |
| P2169 | Exhaust Pressure Regulator Vent Solenoid Control Circuit/Open | | |
| P216A | Fuel Injector Group "E" Supply Voltage Circuit/Open | | |
| P216B | Fuel Injector Group "E" Supply Voltage Circuit Low | | |
| P216C | Fuel Injector Group "E" Supply Voltage Circuit High | | |
| P216D | Fuel Injector Group "F" Supply Voltage Circuit/Open | | |
| P216E | Fuel Injector Group "F" Supply Voltage Circuit Low | | |
| P216F | Fuel Injector Group "F" Supply Voltage Circuit High | | |
| P2170 | Exhaust Pressure Regulator Vent Solenoid Control Circuit Low | | |
| P2171 | Exhaust Pressure Regulator Vent Solenoid Control Circuit High | | |
| P2172 | Throttle Actuator Control System - Sudden High Air Flow Detected | | |
| P2173 | Throttle Actuator Control System - High Air Flow Detected | | |
| P2174 | Throttle Actuator Control System - Sudden Low Air Flow Detected | | |
| P2175 | Throttle Actuator Control System - Low Air Flow Detected | | |
| P2176 | Throttle Actuator Control System - Idle Position Not Learned | | |
| P2177 | System Too Lean Off Idle | Bank 1 | d |
| P2178 | System Too Rich Off Idle | Bank 1 | d |
| P2179 | System Too Lean Off Idle | Bank 2 | d |
| P217A | Fuel Injector Group "G" Supply Voltage Circuit/Open | | |
| P217B | Fuel Injector Group "G" Supply Voltage Circuit Low | | |
| P217C | Fuel Injector Group "G" Supply Voltage Circuit High | | |
| P217D | Fuel Injector Group "H" Supply Voltage Circuit/Open | | |
| P217E | Fuel Injector Group "H" Supply Voltage Circuit Low | | |
| P217F | Fuel Injector Group "H" Supply Voltage Circuit High | | |
| P2180 | System Too Rich Off Idle | Bank 2 | d |
| P2181 | Cooling System Performance | | |
| P2182 | Engine Coolant Temperature Sensor 2 Circuit | | |
| P2183 | Engine Coolant Temperature Sensor 2 Circuit Range/Performance | | |
| P2184 | Engine Coolant Temperature Sensor 2 Circuit Low | | |
| P2185 | Engine Coolant Temperature Sensor 2 Circuit High | | |
| P2186 | Engine Coolant Temperature Sensor 2 Circuit Intermittent/Erratic | | |
| P2187 | System Too Lean at Idle | Bank 1 | ļ |
| P2188 | System Too Rich at Idle | Bank 1 | |
| P2189 | System Too Lean at Idle | Bank 2 | Į. |
| P218A | ISO/SAE Reserved | | |
| P218B | ISO/SAE Reserved | | |
| P218C | ISO/SAE Reserved | | |
| P218D | ISO/SAE Reserved | | |
| P218E | ISO/SAE Reserved | | |
| P218F | ISO/SAE Reserved | | |
| P2190 | System Too Rich at Idle | Bank 2 | |
| P2191 | System Too Lean at Higher Load | Bank 1 | |
| P2192 | System Too Rich at Higher Load | Bank 1 | |
| P2193 | System Too Lean at Higher Load | Bank 2 | |
| P2194 | System Too Rich at Higher Load | Bank 2 | |
| P2195 | O2 Sensor Signal Biased/Stuck Lean | Bank 1 Sensor 1 | |
| P2196 | O2 Sensor Signal Biased/Stuck Rich | Bank 1 Sensor 1 | |

| DTC Number | DTC Naming | Location | Foot Note | | |
|--|---|-----------------|-----------|--|--|
| P2197 | O2 Sensor Signal Biased/Stuck Lean | Bank 2 Sensor 1 | | | |
| P2198 | O2 Sensor Signal Biased/Stuck Rich | Bank 2 Sensor 1 | | | |
| P2199 | Intake Air Temperature Sensor 1/2 Correlation | | | | |
| P219A – P21FF | ISO/SAE Reserved | | | | |
| 3) DTCs P2141 - | 3) DTCs P2141 - P2142 should be used with P0487 - P0488 | | | | |
| 9) For Throttle Actuator Control DTCs also see P0638 - P0639 | | | | | |
| d) Use P2177 - P | 2180 for fuel systems with multiple load ranges. | | | | |

TABLE D20 - P22XX FUEL AND AIR METERING AND AUXILIARY EMISSION CONTROLS

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P2200 | NOx Sensor Circuit | Bank 1 | |
| P2201 | NOx Sensor Circuit Range/Performance | Bank 1 | |
| P2202 | NOx Sensor Circuit Low | Bank 1 | |
| P2203 | NOx Sensor Circuit High | Bank 1 | |
| P2204 | NOx Sensor Circuit Intermittent | Bank 1 | |
| P2205 | NOx Sensor Heater Control Circuit/Open | Bank 1 | |
| P2206 | NOx Sensor Heater Control Circuit Low | Bank 1 | |
| P2207 | NOx Sensor Heater Control Circuit High | Bank 1 | |
| P2208 | NOx Sensor Heater Sense Circuit | Bank 1 | |
| P2209 | NOx Sensor Heater Sense Circuit Range/Performance | Bank 1 | |
| P220A | ISO/SAE Reserved | | |
| P220B | ISO/SAE Reserved | | |
| P220C | ISO/SAE Reserved | | |
| P220D | ISO/SAE Reserved | | |
| P220E | ISO/SAE Reserved | | |
| P220F | ISO/SAE Reserved | | |
| P2210 | NOx Sensor Heater Sense Circuit Low | Bank 1 | |
| P2211 | NOx Sensor Heater Sense Circuit High | Bank 1 | |
| P2212 | NOx Sensor Heater Sense Circuit Intermittent | Bank 1 | |
| P2213 | NOx Sensor Circuit | Bank 2 | |
| P2214 | NOx Sensor Circuit Range/Performance | Bank 2 | |
| P2215 | NOx Sensor Circuit Low | Bank 2 | |
| P2216 | NOx Sensor Circuit High | Bank 2 | |
| P2217 | NOx Sensor Circuit Intermittent | Bank 2 | |
| P2218 | NOx Sensor Heater Control Circuit/Open | Bank 2 | |
| P2219 | NOx Sensor Heater Control Circuit Low | Bank 2 | |
| P221A | ISO/SAE Reserved | | |
| P221B | ISO/SAE Reserved | | |
| P221C | ISO/SAE Reserved | | |
| P221D | ISO/SAE Reserved | | |
| P221E | ISO/SAE Reserved | | |
| P221F | ISO/SAE Reserved | | |
| P2220 | NOx Sensor Heater Control Circuit High | Bank 2 | |
| P2221 | NOx Sensor Heater Sense Circuit | Bank 2 | |
| P2222 | NOx Sensor Heater Sense Circuit Range/Performance | Bank 2 | |
| P2223 | NOx Sensor Heater Sense Circuit Low | Bank 2 | |
| P2224 | NOx Sensor Heater Sense Circuit High | Bank 2 | |
| P2225 | NOx Sensor Heater Sense Circuit Intermittent | Bank 2 | |
| P2226 | Barometric Pressure Sensor "A" Circuit | - | |
| P2227 | Barometric Pressure Sensor "A" Circuit Range/Performance | | |
| P2228 | Barometric Pressure Sensor "A" Circuit Low | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|-----------------|-----------|
| P2229 | Barometric Pressure Sensor "A" Circuit High | Location | FOOL NOTE |
| P2229 P222A | Barometric Pressure Sensor "B" Circuit | | |
| P222A P222B | Barometric Pressure Sensor "B" Circuit Range/Performance | | |
| P222C | Barometric Pressure Sensor "B" Circuit Kange/Fenormance | | |
| P222C P222D | Barometric Pressure Sensor "B" Circuit Low Barometric Pressure Sensor "B" Circuit High | | |
| P222D P222E | Barometric Pressure Sensor "B" Circuit Intermittent/Erratic | | |
| P222E P222F | Barometric Pressure Sensor "A"/"B" Correlation | | |
| P222F P2230 | | | |
| | Barometric Pressure Sensor "A" Circuit Intermittent/Erratic | Donk 1 Conser 1 | 4 |
| P2231 | O2 Sensor Signal Circuit Shorted to Heater Circuit | Bank 1 Sensor 1 | 4 |
| P2232 | O2 Sensor Signal Circuit Shorted to Heater Circuit | Bank 1 Sensor 2 | 4 |
| P2233 | O2 Sensor Signal Circuit Shorted to Heater Circuit | Bank 1 Sensor 3 | 4 |
| P2234 | O2 Sensor Signal Circuit Shorted to Heater Circuit | Bank 2 Sensor 1 | 4 |
| P2235 | O2 Sensor Signal Circuit Shorted to Heater Circuit | Bank 2 Sensor 2 | 4 |
| P2236 | O2 Sensor Signal Circuit Shorted to Heater Circuit | Bank 2 Sensor 3 | 4 |
| P2237 | O2 Sensor Positive Current Control Circuit/Open | Bank 1 Sensor 1 | 5 |
| P2238 | O2 Sensor Positive Current Control Circuit Low | Bank 1 Sensor 1 | 5 |
| P2239 | O2 Sensor Positive Current Control Circuit High | Bank 1 Sensor 1 | 5 |
| P223A | ISO/SAE Reserved | | |
| P223B | ISO/SAE Reserved | | |
| P223C | ISO/SAE Reserved | | |
| P223D | ISO/SAE Reserved | | |
| P223E | ISO/SAE Reserved | | |
| P223F | ISO/SAE Reserved | | _ |
| P2240 | O2 Sensor Positive Current Control Circuit/Open | Bank 2 Sensor 1 | 5 |
| P2241 | O2 Sensor Positive Current Control Circuit Low | Bank 2 Sensor 1 | 5 |
| P2242 | O2 Sensor Positive Current Control Circuit High | Bank 2 Sensor 1 | 5 |
| P2243 | O2 Sensor Reference Voltage Circuit/Open | Bank 1 Sensor 1 | 5 |
| P2244 | O2 Sensor Reference Voltage Performance | Bank 1 Sensor 1 | 5 |
| P2245 | O2 Sensor Reference Voltage Circuit Low | Bank 1 Sensor 1 | 5 |
| P2246 | O2 Sensor Reference Voltage Circuit High | Bank 1 Sensor 1 | 5 |
| P2247 | O2 Sensor Reference Voltage Circuit/Open | Bank 2 Sensor 1 | 5 |
| P2248 | O2 Sensor Reference Voltage Performance | Bank 2 Sensor 1 | 5 |
| P2249 | O2 Sensor Reference Voltage Circuit Low | Bank 2 Sensor 1 | 5 |
| P224A | ISO/SAE Reserved | | |
| P224B | ISO/SAE Reserved | | |
| P224C | ISO/SAE Reserved | | |
| P224D | ISO/SAE Reserved | | |
| P224E | ISO/SAE Reserved | | |
| P224F | ISO/SAE Reserved | D 100 1 | _ |
| P2250 | O2 Sensor Reference Voltage Circuit High | Bank 2 Sensor 1 | 5 |
| P2251 | O2 Sensor Negative Current Control Circuit/Open | Bank 1 Sensor 1 | 5 |
| P2252 | O2 Sensor Negative Current Control Circuit Low | Bank 1 Sensor 1 | 5 |
| P2253 | O2 Sensor Negative Current Control Circuit High | Bank 1 Sensor 1 | 5 |
| P2254 | O2 Sensor Negative Current Control Circuit/Open | Bank 2 Sensor 1 | 5 |
| P2255 | O2 Sensor Negative Current Control Circuit Low | Bank 2 Sensor 1 | 5 |
| P2256 | O2 Sensor Negative Current Control Circuit High | Bank 2 Sensor 1 | 5 |
| P2257 | Secondary Air Injection System Control "A" Circuit Low | | |
| P2258 | Secondary Air Injection System Control "A" Circuit High | | |
| P2259 | Secondary Air Injection System Control "B" Circuit Low | | |
| P225A | ISO/SAE Reserved | | |
| P225B | ISO/SAE Reserved | | |
| P225C | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|------------------|-----------|
| P225D | ISO/SAE Reserved | | |
| P225E | ISO/SAE Reserved | | |
| P225F | ISO/SAE Reserved | | |
| P2260 | Secondary Air Injection System Control "B" Circuit High | | |
| P2261 | Turbocharger/Supercharger Bypass Valve - Mechanical | | |
| P2262 | Turbocharger/Supercharger Boost Pressure Not Detected - | | |
| 1 2202 | Mechanical | | |
| P2263 | Turbocharger/Supercharger Boost System Performance | | |
| P2264 | Water in Fuel Sensor Circuit | | |
| P2265 | Water in Fuel Sensor Circuit Range/Performance | | |
| P2266 | Water in Fuel Sensor Circuit Low | | |
| P2267 | Water in Fuel Sensor Circuit High | | |
| P2268 | Water in Fuel Sensor Circuit Intermittent | | |
| P2269 | Water in Fuel Condition | | |
| P226A | Water in Fuel Lamp Control Circuit | | |
| P226B | Turbocharger/Supercharger Boost Pressure Too High - Mechanical | | |
| P226C | ISO/SAE Reserved | | |
| P226D | ISO/SAE Reserved | | |
| P226E | ISO/SAE Reserved | | |
| P226F | ISO/SAE Reserved | | |
| P2270 | O2 Sensor Signal Biased/Stuck Lean | Bank 1 Sensor 2 | |
| P2271 | O2 Sensor Signal Biased/Stuck Rich | Bank 1 Sensor 2 | |
| P2272 | O2 Sensor Signal Biased/Stuck Lean | Bank 2 Sensor 2 | |
| P2273 | O2 Sensor Signal Biased/Stuck Rich | Bank 2 Sensor 2 | |
| P2274 | O2 Sensor Signal Biased/Stuck Lean | Bank 1 Sensor 3 | |
| P2275 | O2 Sensor Signal Biased/Stuck Rich | Bank 1 Sensor 3 | |
| P2276 | O2 Sensor Signal Biased/Stuck Lean | Bank 2 Sensor 3 | |
| P2277 | O2 Sensor Signal Biased/Stuck Rich | Bank 2 Sensor 3 | |
| P2278 | O2 Sensor Signals Swapped Bank 1 Sensor 3/Bank 2 Sensor 3 | Dank 2 0011001 0 | |
| P2279 | Intake Air System Leak | | |
| P227A | ISO/SAE Reserved | | |
| P227B | ISO/SAE Reserved | | |
| P227C | ISO/SAE Reserved | | |
| P227D | ISO/SAE Reserved | | |
| P227E | ISO/SAE Reserved | | Į. |
| P227F | ISO/SAE Reserved | | |
| P2280 | Air Flow Restriction/Air Leak Between Air Filter and MAF | | j. |
| P2281 | Air Leak Between MAF and Throttle Body | | (1) |
| P2282 | Air Leak Between Throttle Body and Intake Valves | | |
| P2283 | Injector Control Pressure Sensor Circuit | | |
| P2284 | Injector Control Pressure Sensor Circuit Range/Performance | | ş |
| P2285 | Injector Control Pressure Sensor Circuit Low | | |
| P2286 | Injector Control Pressure Sensor Circuit High | | |
| P2287 | Injector Control Pressure Sensor Circuit Intermittent | | |
| P2288 | Injector Control Pressure Too High | | |
| P2289 | Injector Control Pressure Too High - Engine Off | | |
| P228A | Fuel Pressure Regulator 1 - Forced Engine Shutdown | | |
| P228B | Fuel Pressure Regulator 2 - Forced Engine Shutdown | | |
| P228C | Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too | | |
| , - | Low | | |
| P228D | Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too High | | |
| P228E | Fuel Pressure Regulator 1 Exceeded Learning Limits - Too Low | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|-----------------|-----------|
| P228F | Fuel Pressure Regulator 1 Exceeded Learning Limits - Too High | | |
| P2290 | Injector Control Pressure Too Low | | |
| P2291 | Injector Control Pressure Too Low - Engine Cranking | | |
| P2292 | Injector Control Pressure Erratic | | |
| P2293 | Fuel Pressure Regulator 2 Performance | | |
| P2294 | Fuel Pressure Regulator 2 Control Circuit/Open | | |
| P2295 | Fuel Pressure Regulator 2 Control Circuit Low | | |
| P2296 | Fuel Pressure Regulator 2 Control Circuit High | | |
| P2297 | O2 Sensor Out of Range During Deceleration | Bank 1 Sensor 1 | |
| P2298 | O2 Sensor Out of Range During Deceleration | Bank 2 Sensor 1 | |
| P2299 | Brake Pedal Position/Accelerator Pedal Position Incompatible | | |
| P229A | Fuel Pressure Regulator 2 Exceeded Control Limits - Pressure Too Low | | |
| P229B | Fuel Pressure Regulator 2 Exceeded Control Limits - Pressure Too High | | |
| P229C | Fuel Pressure Regulator 2 Exceeded Learning Limits - Too Low | | |
| P229D | Fuel Pressure Regulator 2 Exceeded Learning Limits - Too High | | |
| P229E - P22FF | ISO/SAE Reserved | | |

⁴⁾ P2231 - P2236, This diagnostic is for the sensors (both wide band and switching) that have a PWM controlled heater. If the heater shorts to the signal circuit, the control module can determine this since the signal circuit will be shorted high at the same frequency that the heaters are operating at.

5) P2237 - P2256, These are the diagnostics for the primary circuits of the wide band oxygen sensors.

TABLE D21 - P23XX IGNITION SYSTEM OR MISFIRE

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P2300 | Ignition Coil "A" Primary Control Circuit Low | | |
| P2301 | Ignition Coil "A" Primary Control Circuit High | | |
| P2302 | Ignition Coil "A" Secondary Circuit | | |
| P2303 | Ignition Coil "B" Primary Control Circuit Low | | |
| P2304 | Ignition Coil "B" Primary Control Circuit High | | |
| P2305 | Ignition Coil "B" Secondary Circuit | | |
| P2306 | Ignition Coil "C" Primary Control Circuit Low | | |
| P2307 | Ignition Coil "C" Primary Control Circuit High | | |
| P2308 | Ignition Coil "C" Secondary Circuit | | |
| P2309 | Ignition Coil "D" Primary Control Circuit Low | | |
| P230A | ISO/SAE Reserved | | |
| P230B | ISO/SAE Reserved | | |
| P230C | ISO/SAE Reserved | | |
| P230D | ISO/SAE Reserved | | |
| P230E | ISO/SAE Reserved | | |
| P230F | ISO/SAE Reserved | | |
| P2310 | Ignition Coil "D" Primary Control Circuit High | | |
| P2311 | Ignition Coil "D" Secondary Circuit | | |
| P2312 | Ignition Coil "E" Primary Control Circuit Low | | |
| P2313 | Ignition Coil "E" Primary Control Circuit High | | |
| P2314 | Ignition Coil "E" Secondary Circuit | | |
| P2315 | Ignition Coil "F" Primary Control Circuit Low | | |
| P2316 | Ignition Coil "F" Primary Control Circuit High | | |
| P2317 | Ignition Coil "F" Secondary Circuit | | |
| P2318 | Ignition Coil "G" Primary Control Circuit Low | | |
| P2319 | Ignition Coil "G" Primary Control Circuit High | | |
| P231A | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P231B | ISO/SAE Reserved | | |
| P231C | ISO/SAE Reserved | | |
| P231D | ISO/SAE Reserved | | |
| P231E | ISO/SAE Reserved | | |
| P231F | ISO/SAE Reserved | | |
| P2320 | Ignition Coil "G" Secondary Circuit | | |
| P2321 | Ignition Coil "H" Primary Control Circuit Low | | |
| P2322 | Ignition Coil "H" Primary Control Circuit High | | |
| P2323 | Ignition Coil "H" Secondary Circuit | | |
| P2324 | Ignition Coil "I" Primary Control Circuit Low | | |
| P2325 | Ignition Coil "I" Primary Control Circuit High | | |
| P2326 | Ignition Coil "I" Secondary Circuit | | |
| P2327 | Ignition Coil "J" Primary Control Circuit Low | | į. |
| P2328 | Ignition Coil "J" Primary Control Circuit High | | |
| P2329 | Ignition Coil "J" Secondary Circuit | | |
| P232A | ISO/SAE Reserved | | 2 3 |
| P232B | ISO/SAE Reserved | | <i>i</i> |
| P232C | ISO/SAE Reserved | | Í |
| P232D | ISO/SAE Reserved | | |
| P232E | ISO/SAE Reserved | | |
| P232F | ISO/SAE Reserved | | |
| P2330 | Ignition Coil "K" Primary Control Circuit Low | | |
| P2331 | Ignition Coil "K" Primary Control Circuit High | | |
| P2332 | Ignition Coil "K" Secondary Circuit | | |
| P2333 | Ignition Coil "L" Primary Control Circuit Low | | |
| P2334 | Ignition Coil "L" Primary Control Circuit High | | |
| P2335 | Ignition Coil "L" Secondary Circuit | | |
| P2336 | Cylinder 1 Above Knock Threshold | | |
| P2337 | Cylinder 2 Above Knock Threshold | | |
| P2338 | Cylinder 3 Above Knock Threshold | | |
| P2339 | Cylinder 4 Above Knock Threshold | | |
| P233A | ISO/SAE Reserved | | |
| P233B | ISO/SAE Reserved | | |
| P233C | ISO/SAE Reserved | | |
| P233D | ISO/SAE Reserved | | |
| P233E | ISO/SAE Reserved | | |
| P233F | ISO/SAE Reserved | | |
| P2340 | Cylinder 5 Above Knock Threshold | | |
| P2341 | Cylinder 6 Above Knock Threshold | | |
| P2342 | Cylinder 7 Above Knock Threshold | | |
| P2343 | Cylinder 8 Above Knock Threshold | | |
| P2344 | Cylinder 9 Above Knock Threshold | | |
| P2345 | Cylinder 10 Above Knock Threshold | | |
| P2346 | Cylinder 11 Above Knock Threshold | | |
| P2347 | Cylinder 12 Above Knock Threshold | | |
| P2348 – P23FF | ISO/SAE Reserved | | |

TABLE D22 - P24XX AUXILIARY EMISSION CONTROLS

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|-----------------|-----------|
| P2400 | Evaporative Emission System Leak Detection Pump Control | | |
| D0404 | Circuit/Open | | |
| P2401 | Evaporative Emission System Leak Detection Pump Control Circuit | | |
| P2402 | Low Evaporative Emission System Leak Detection Pump Control Circuit | | |
| 1 2402 | High | | |
| P2403 | Evaporative Emission System Leak Detection Pump Sense | | |
| | Circuit/Open | | |
| P2404 | Evaporative Emission System Leak Detection Pump Sense Circuit | | |
| P2405 | Range/Performance | | |
| F2405 | Evaporative Emission System Leak Detection Pump Sense Circuit Low | | |
| P2406 | Evaporative Emission System Leak Detection Pump Sense Circuit | | |
| | High | | |
| P2407 | Evaporative Emission System Leak Detection Pump Sense Circuit | | |
| D 0 | Intermittent/Erratic | | |
| P2408 | Fuel Cap Sensor/Switch Circuit | | |
| P2409 | Fuel Cap Sensor/Switch Circuit Range/Performance | | |
| P240A | Evaporative Emission System Leak Detection Pump Heater Control Circuit/Open | | |
| P240B | Evaporative Emission System Leak Detection Pump Heater Control | | |
| | Circuit Low | | |
| P240C | Evaporative Emission System Leak Detection Pump Heater Control | | |
| | Circuit High | | |
| P240D | ISO/SAE Reserved | | |
| P240E | ISO/SAE Reserved | | |
| P240F | ISO/SAE Reserved | | |
| P2410 | Fuel Cap Sensor/Switch Circuit Lligh | | |
| P2411 | Fuel Cap Sensor/Switch Circuit High | | |
| P2412 P2413 | Fuel Cap Sensor/Switch Circuit Intermittent/Erratic Exhaust Gas Recirculation System Performance | | |
| P2413 | O2 Sensor Exhaust Sample Error | Bank 1 Sensor 1 | |
| P2415 | O2 Sensor Exhaust Sample Error | Bank 2 Sensor 1 | |
| P2416 | O2 Sensor Signals Swapped Bank 1 Sensor 2/Bank 1 Sensor 3 | Dank 2 Ochson | |
| P2417 | O2 Sensor Signals Swapped Bank 2 Sensor 2/Bank 2 Sensor 3 | | |
| P2418 | Evaporative Emission System Switching Valve Control Circuit/Open | | |
| P2419 | Evaporative Emission System Switching Valve Control Circuit Low | | |
| P241A | ISO/SAE Reserved | | |
| P241B | ISO/SAE Reserved | | |
| P241C | ISO/SAE Reserved | | |
| P241D | ISO/SAE Reserved | | |
| P241E | ISO/SAE Reserved | | |
| P241F | ISO/SAE Reserved | | |
| P2420 | Evaporative Emission System Switching Valve Control Circuit High | | |
| P2421 | Evaporative Emission System Vent Valve Stuck Open | | |
| P2422 | Evaporative Emission System Vent Valve Stuck Closed | | |
| P2423 | HC Adsorption Catalyst Efficiency Below Threshold | Bank 1 | |
| P2424 | HC Adsorption Catalyst Efficiency Below Threshold | Bank 2 | |
| P2425 | Exhaust Gas Recirculation Cooling Valve Control Circuit/Open | | |
| P2426 | Exhaust Gas Recirculation Cooling Valve Control Circuit Low | | |
| P2427 | Exhaust Gas Recirculation Cooling Valve Control Circuit High | Donle 4 | |
| P2428 | Exhaust Gas Temperature Too High | Bank 1 | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------------|-----------|
| P2429 | Exhaust Gas Temperature Too High | Bank 2 | |
| P242A | Exhaust Gas Temperature Sensor Circuit | Bank 1 Sensor 3 | |
| P242B | Exhaust Gas Temperature Sensor Circuit Range/Performance | Bank 1 Sensor 3 | |
| P242C | Exhaust Gas Temperature Sensor Circuit Low | Bank 1 Sensor 3 | |
| P242D | Exhaust Gas Temperature Sensor Circuit High | Bank 1 Sensor 3 | |
| P242E | Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic | Bank 1 Sensor 3 | |
| P242F | Diesel Particulate Filter Restriction - Ash Accumulation | | |
| P2430 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit | Bank 1 | |
| P2431 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance | Bank 1 | |
| P2432 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low | Bank 1 | |
| P2433 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit High | Bank 1 | |
| P2434 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic | Bank 1 | |
| P2435 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit | Bank 2 | |
| P2436 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance | Bank 2 | |
| P2437 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low | Bank 2 | |
| P2438 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit High | Bank 2 | |
| P2439 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic | Bank 2 | |
| P243A | ISO/SAE Reserved | | |
| P243B | ISO/SAE Reserved | | |
| P243C | ISO/SAE Reserved | | |
| P243D | ISO/SAE Reserved | | |
| P243E | ISO/SAE Reserved | | |
| P243F | ISO/SAE Reserved | | |
| P2440 | Secondary Air Injection System Switching Valve Stuck Open | Bank 1 | |
| P2441 | Secondary Air Injection System Switching Valve Stuck Closed | Bank 1 | |
| P2442 | Secondary Air Injection System Switching Valve Stuck Open | Bank 2 | |
| P2443 | Secondary Air Injection System Switching Valve Stuck Closed | Bank 2 | |
| P2444 | Secondary Air Injection System Pump Stuck On | Bank 1 | |
| P2445 | Secondary Air Injection System Pump Stuck Off | Bank 1 | |
| P2446 | Secondary Air Injection System Pump Stuck On | Bank 2 | |
| P2447 | Secondary Air Injection System Pump Stuck Off | Bank 2 | |
| P2448 | Secondary Air Injection System High Air Flow | Bank 1 | |
| P2449 | Secondary Air Injection System High Air Flow | Bank 2 | |
| P244A | Diesel Particulate Filter Differential Pressure Too Low | Bank 1 | |
| P244B | Diesel Particulate Filter Differential Pressure Too High | Bank 1 | |
| P244C | Exhaust Temperature Too Low For Particulate Filter Regeneration | Bank 1 | |
| P244D | Exhaust Temperature Too High For Particulate Filter Regeneration | Bank 1 | |
| P244E | Exhaust Temperature Too Low For Particulate Filter Regeneration | Bank 2 | |
| P244F | Exhaust Temperature Too High For Particulate Filter Regeneration | Bank 2 | |
| P2450 | Evaporative Emission System Switching Valve Performance/Stuck Open | | |
| P2451 | Evaporative Emission System Switching Valve Stuck Closed | | |
| P2452 | Diesel Particulate Filter Pressure Sensor "A" Circuit | | |
| P2453 | Diesel Particulate Filter Pressure Sensor "A" Circuit Range/Performance | | |
| P2454 | Diesel Particulate Filter Pressure Sensor "A" Circuit Low | | |

| Diesel Particulate Filter Pressure Sensor "A" Circuit High Diesel Particulate Filter Pressure Sensor "A" Circuit Intermittent/Eratic Intermittent/Eratic Exhausi Gas Recirculation Cooling System Performance Diesel Particulate Filter Regeneration Duration Diesel Particulate Filter Regeneration Duration Diesel Particulate Filter Regeneration Frequency P2455 Exhausi Gas Recirculation Cooler Bypass Control Circuit Range/Performance P245C Exhausi Gas Recirculation Cooler Bypass Control Circuit Low Exhausi Gas Recirculation Cooler Bypass Control Circuit High P245E Diesel Particulate Filter Pressure Sensor "B" Circuit Range/Performance Diesel Particulate Filter Pressure Sensor "B" Circuit Low Diesel Particulate Filter Pressure Sensor "B" Circuit Low Diesel Particulate Filter Pressure Sensor "B" Circuit Intermittent/Erratic Diesel Particulate Filter Pressure Sensor "B" Circuit Intermittent/Erratic Diesel Particulate Filter Pressure Sensor "B" Circuit Intermittent/Erratic Diesel Particulate Filter Differential Pressure Too High Diesel Particulate Filter Pressure Sensor Circuit Diesel Particulate Filter Pressure Sensor Circuit Diesel Particulate Filter Pressure Sensor Circuit Low Diesel Particulate Filter Pressure Sensor Circuit High Diesel Particulate Filter Pressure Sens | DTC Number | DTC Naming | Location | Foot Note |
|--|------------|--|-------------------|-----------|
| Diesel Particulate Filter Pressure Sensor "A" Circuit Intermitternitut/Erratic Diesel Particulate Filter Regeneration Duration Diesel Particulate Filter Regeneration Duration Diesel Particulate Filter Regeneration Duration P2459 Diesel Particulate Filter Regeneration Frequency P245A Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit High P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit High P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit High P245D Diesel Particulate Filter Pressure Sensor "B" Circuit Range/Performance P2460 Diesel Particulate Filter Pressure Sensor "B" Circuit Low P245D Diesel Particulate Filter Pressure Sensor "B" Circuit Low P2461 Diesel Particulate Filter Pressure Sensor "B" Circuit Low Diesel Particulate Filter Pressure Sensor "B" Circuit Intermiterniterratic Diesel Particulate Filter Pressure Sensor "B" Circuit Intermiterniterratic Diesel Particulate Filter Pressure Sensor "B" Circuit Range/Performance P2464 Diesel Particulate Filter Differential Pressure Too Low Bank 2 Diesel Particulate Filter Pressure Sensor Circuit Range/Performance Bank 2 Sensor 3 Diesel Particulate Filter Differential Pressure Too Low Bank 2 Sensor 3 Diesel Particulate Filter Restriction - Sort Accumulation Bank 2 Sensor 3 Diesel Particulate Filter Restriction - Sort Restriction Bank 2 Sensor 3 Diesel Particulate Filter Restriction Bank 2 Sensor 3 Diesel Particulate Filter Restriction Bank 2 Sensor 3 Diesel Particulate Filter Restriction - Forced Limited Power Diesel Particulate Filter Restriction - Forced Limited Power Diesel Particulate Filter Pressure Sensor Circuit Intermittent/Erratic Bank 2 Sensor 4 P2470 Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 4 P2471 Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 4 Exhaust Gas Temperature | | • | | |
| Intermitten/Erratic P2458 Diesel Particulate Filter Regeneration Duration P2459 Diesel Particulate Filter Regeneration Duration P2459 Diesel Particulate Filter Regeneration Prequency P2450 Exhaust Gas Recirculation Cooler Bypass Control Circuit/Open P2451 Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P2452 Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P2453 Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P24545 Exhaust Gas Recirculation Cooler Bypass Control Circuit High P2455 Diesel Particulate Filter Pressure Sensor "B" Circuit P2456 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2457 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2458 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2460 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2461 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2462 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2463 Diesel Particulate Filter Extriction - Soot Accumulation P2464 Diesel Particulate Filter Extriction - Soot Accumulation P2465 Diesel Particulate Filter Differential Pressure Too High P2466 Exhaust Gas Temperature Sensor Circuit Range/Performance P2467 Exhaust Gas Temperature Sensor Circuit Range/Performance P2468 Exhaust Gas Temperature Sensor Circuit High P2469 Exhaust Gas Temperature Sensor Circuit High P2460 Exhaust Gas Temperature Sensor Circuit High P2461 Exhaust Gas Temperature Sensor Circuit High P2462 Exhaust Gas Temperature Sensor Circuit High P2463 Exhaust Gas Temperature Sensor Circuit High P2464 Exhaust Gas Temperature Sensor Circuit High P2465 Exhaust Gas Temperature Sensor Circuit High P2466 Exhaust Gas Temperature Sensor Circuit High P2467 Exhaust Gas Temperature Sensor Circuit High P2468 Exhaust Gas Temperature Sensor Circuit High P2469 Exhaust Gas Temperature Sensor Circuit Range/Performance P2460 Diesel Particulate Filter Pressure Sensor Circuit High P2470 Exhaust Gas Temperature Sensor Circuit High P2471 Exhaust Gas Temperature Sensor Circ | | - | | |
| P2457 Exhaust Gas Recirculation Cooling System Performance | | | | |
| P2459 Diesel Particulate Filter Regeneration Frequency P245B Exhaust Gas Recirculation Cooler Bypass Control Circuit Range/Performance P245C Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit P245F Diesel Particulate Filter Pressure Sensor "B" Circuit P245F Diesel Particulate Filter Pressure Sensor "B" Circuit Range/Performance P2460 Diesel Particulate Filter Pressure Sensor "B" Circuit Low P2461 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2462 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2463 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2464 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2465 Diesel Particulate Filter Differential Pressure Too Low P2466 Diesel Particulate Filter Differential Pressure Too High P2466 Exhaust Gas Temperature Sensor Circuit Range/Performance P2467 Exhaust Gas Temperature Sensor Circuit Range/Performance P2468 Exhaust Gas Temperature Sensor Circuit Low P2469 Exhaust Gas Temperature Sensor Circuit Low P2469 Exhaust Gas Temperature Sensor Circuit High P2460 Diesel Particulate Filter Pressure Sensor Circuit High P2461 Diesel Particulate Filter Pressure Sensor Circuit High P2462 Diesel Particulate Filter Pressure Sensor Circuit High P2463 Diesel Particulate Filter Pressure Sensor Circuit High P2464 Exhaust Gas Temperature Sensor Circuit High P2465 Diesel Particulate Filter Pressure Sensor Circuit High P2466 Exhaust Gas Temperature Sensor Circuit High P2467 Exhaust Gas Temperature Sensor Circuit High P2468 Particulate Filter Pressure Sensor Circuit High P2470 Exhaust Gas Temperature Sensor Circuit High P2471 Exhaust Gas Temperature Sensor Circuit High P2472 Exhaust Gas Temperature Sensor Circuit High P2473 Exhaust Gas Temperature Sensor Circuit High P2474 Exhaust Gas Temperature Sensor Circuit High P2475 Exhaust Gas Temperature S | P2457 | | | |
| P245A Exhaust Gas Recirculation Cooler Bypass Control Circuit P245C Exhaust Gas Recirculation Cooler Bypass Control Circuit P245C Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245E Dissel Particulate Filter Pressure Sensor "B" Circuit P245E Diesel Particulate Filter Pressure Sensor "B" Circuit P245F Diesel Particulate Filter Pressure Sensor "B" Circuit Low P2460 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2461 Diesel Particulate Filter Pressure Sensor "B" Circuit Intermittent/Erratic P2462 Diesel Particulate Filter Pressure Sensor "B" Circuit Intermittent/Erratic P2463 Diesel Particulate Filter Differental Pressure Too Low P2464 Diesel Particulate Filter Differental Pressure Too Low P2465 Diesel Particulate Filter Differental Pressure Too Low P2466 Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 3 P2466 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3 P2468 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3 P2468 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3 P2460 Dies | P2458 | Diesel Particulate Filter Regeneration Duration | | |
| Exhaust Gas Recirculation Cooler Bypass Control Circuit Range/Performance | P2459 | Diesel Particulate Filter Regeneration Frequency | | |
| Range/Performance P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245D Exhaust Gas Recirculation Cooler Bypass Control Circuit High P245E Diesel Particulate Filter Pressure Sensor "B" Circuit Range/Performance P2460 Diesel Particulate Filter Pressure Sensor "B" Circuit Low Diesel Particulate Filter Pressure Sensor "B" Circuit Low P2461 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2462 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2463 Diesel Particulate Filter Pressure Sensor "B" Circuit Intermittent/Erratic P2463 Diesel Particulate Filter Differential Pressure Too Low Bank 2 P2465 Diesel Particulate Filter Differential Pressure Too Low Bank 2 P2466 Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 3 P2467 Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 3 P2468 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3 P2469 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3 P2460 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3 P2460 Diesel Particulate Filter Persiver Sensor Particulate Filter Regeneration P2460 Diesel Particulate Filter Perssure Sensor Particulate Filter Regeneration P2461 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3 P2462 Diesel Particulate Filter Pressure Sensor Particulate Filter Regeneration P2462 Diesel Particulate Filter Pressure Sensor Particulate Filter Regeneration P2463 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 4 P2470 Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 4 P2471 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 4 P2472 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 4 P2473 Exhaust Gas Temperature Sensor Circuit Hampel-Performance Bank 1 Sensor 4 P2474 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 4 P2475 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 4 P2476 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 4 P2477 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 P2478 Exhaust G | P245A | Exhaust Gas Recirculation Cooler Bypass Control Circuit/Open | | |
| P245C Exhaust Gas Recirculation Cooler Bypass Control Circuit Low P245F Diesel Particulate Filter Pressure Sensor "B" Circuit P245F Diesel Particulate Filter Pressure Sensor "B" Circuit Range/Performance P2460 Diesel Particulate Filter Pressure Sensor "B" Circuit Low P2461 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2462 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2463 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2464 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2465 Diesel Particulate Filter Differential Pressure Too Low P2466 Diesel Particulate Filter Differential Pressure Too Low P2466 Exhaust Gas Temperature Sensor Circuit P2467 Exhaust Gas Temperature Sensor Circuit P2468 Exhaust Gas Temperature Sensor Circuit P2469 Exhaust Gas Temperature Sensor Circuit Range/Performance P2469 Exhaust Gas Temperature Sensor Circuit High P2460 Exhaust Gas Temperature Sensor Circuit High P2460 Exhaust Gas Temperature Sensor Circuit High P2460 Diesel Particulate Filter Pressure Sensor "A"/"B" Correlation P2461 Exhaust Gas Temperature Sensor Circuit High P2462 Diesel Particulate Filter Pressure Sensor "A"/"B" Correlation P2463 Exhaust Gas Temperature Sensor Circuit Low P2464 Exhaust Gas Temperature Sensor Circuit High P2465 Diesel Particulate Filter Pressure Sensor "A"/"B" Correlation P2466 Exhaust Gas Temperature Sensor Circuit High P2467 Exhaust Gas Temperature Sensor Circuit High P2468 Exhaust Gas Temperature Sensor Circuit High P2470 Exhaust Gas Temperature Sensor Circuit High P2471 Exhaust Gas Temperature Sensor Circuit High P2472 Exhaust Gas Temperature Sensor Circuit High P2473 Exhaust Gas Temperature Sensor Circuit High P2474 Exhaust Gas Temperature Sensor Circuit High P2475 Exhaust Gas Temperature Sensor Circuit High P2476 Exhaust Gas Temperature Sensor Circuit High P2477 Exhaust Gas Temperature Sensor Circuit High P2478 Exhaust Gas Temperature Out of Range P2479 Exhaust Gas Temperature Out of Range P2479 Exhaust Gas Temperature Out of Range P2470 Exhaust | P245B | | | |
| P245E Diesel Particulate Filter Pressure Sensor "B" Circuit Range/Performance P2460 Diesel Particulate Filter Pressure Sensor "B" Circuit Low P2461 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2462 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2463 Diesel Particulate Filter Pressure Sensor "B" Circuit High P2464 Diesel Particulate Filter Restriction - Soot Accumulation P2465 Diesel Particulate Filter Differential Pressure Too Low P2466 Diesel Particulate Filter Differential Pressure Too Low P2466 Diesel Particulate Filter Differential Pressure Too Low P2466 Exhaust Gas Temperature Sensor Circuit Range/Performance P2467 Exhaust Gas Temperature Sensor Circuit Range/Performance P2468 Exhaust Gas Temperature Sensor Circuit Range/Performance P2469 Exhaust Gas Temperature Sensor Circuit High P2469 Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic P2460 Diesel Particulate Filter Pressure Sensor Particulate Filter Regeneration P2460 Diesel Particulate Filter Restriction - Forced Limited Power P2460 Diesel Particulate Filter Pressure Sensor "A""B" Correlation P2461 Exhaust Gas Temperature Sensor Circuit Range/Performance P2462 Exhaust Gas Temperature Sensor Circuit Range/Performance P2463 Exhaust Gas Temperature Sensor Circuit Range/Performance P2464 Exhaust Gas Temperature Sensor Circuit Range/Performance P2465 Exhaust Gas Temperature Sensor Circuit Range/Performance P2466 Exhaust Gas Temperature Sensor Circuit Low P2470 Exhaust Gas Temperature Sensor Circuit High P2471 Exhaust Gas Temperature Sensor Circuit High P2472 Exhaust Gas Temperature Sensor Circuit High P2473 Exhaust Gas Temperature Sensor Circuit High P2474 Exhaust Gas Temperature Sensor Circuit High P2475 Exhaust Gas Temperature Sensor Circuit High P2476 Exhaust Gas Temperature Sensor Circuit High P2477 Exhaust Gas Temperature Sensor Circuit High P2478 Exhaust Gas Temperature Sensor Circuit High P2479 Exhaust Gas Temperature Out of Range P2470 Exhaust Gas Temperature Out of Range P2471 Exhaust Gas Temperature Out of Ran | P245C | | | |
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| P2475 Exhaust Gas Temperature Sensor Circuit Low P2476 Exhaust Gas Temperature Sensor Circuit High P2477 Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic P2478 Exhaust Gas Temperature Out of Range P2479 Exhaust Gas Temperature Out of Range P2470 Exhaust Gas Temperature Out of Range P2471 Exhaust Gas Temperature Out of Range P2472 Exhaust Gas Temperature Out of Range P2473 Exhaust Gas Temperature Out of Range P2474 Exhaust Gas Temperature Out of Range P2475 Exhaust Gas Temperature Out of Range P2476 Exhaust Gas Temperature Out of Range P2477 Exhaust Gas Temperature Out of Range P2478 Exhaust Gas Temperature Out of Range P2479 Exhaust Gas Temperature Out of Range P2470 Exhaust Gas Temperature Out of Range P2471 Exhaust Gas Temperature Out of Range P2472 Exhaust Gas Temperature Out of Range P2483 Exhaust Gas Temperature Sensor Circuit/Open P2484 Exhaust Gas Temperature Sensor Circuit Low P2485 Exhaust Gas Temperature Sensor Circuit High P2486 Exhaust Gas Temperature Sensor Circuit High P2487 Exhaust Gas Temperature Sensor Circuit High P2488 Exhaust Gas Temperature Sensor Circuit High P2488 Exhaust Gas Temperature Sensor Circuit High P2488 Exhaust Gas Temperature Sensor Circuit High | P2473 | Exhaust Gas Temperature Sensor Circuit | Bank 2 Sensor 4 | |
| P2476 Exhaust Gas Temperature Sensor Circuit High P2477 Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic P2478 Exhaust Gas Temperature Out of Range P2479 Exhaust Gas Temperature Out of Range P247A Exhaust Gas Temperature Out of Range P247B Exhaust Gas Temperature Out of Range P247C Exhaust Gas Temperature Out of Range P247D Exhaust Gas Temperature Out of Range P247E Exhaust Gas Temperature Out of Range P247E Exhaust Gas Temperature Out of Range P247F Exhaust Gas Temperature Out of Range P2480 Exhaust Gas Temperature Sensor Circuit/Open P2481 Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 5 P2482 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 | P2474 | Exhaust Gas Temperature Sensor Circuit Range/Performance | Bank 2 Sensor 4 | |
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| P2479 Exhaust Gas Temperature Out of Range P247A Exhaust Gas Temperature Out of Range P247B Exhaust Gas Temperature Out of Range P247C Exhaust Gas Temperature Out of Range P247D Exhaust Gas Temperature Out of Range P247E Exhaust Gas Temperature Out of Range P247E Exhaust Gas Temperature Out of Range P247F Exhaust Gas Temperature Out of Range P2480 Exhaust Gas Temperature Sensor Circuit/Open P2481 Exhaust Gas Temperature Sensor Circuit Low P2482 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 | P2477 | Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic | Bank 2 Sensor 4 | |
| P247A Exhaust Gas Temperature Out of Range Bank 1 Sensor 3 P247B Exhaust Gas Temperature Out of Range Bank 1 Sensor 4 P247C Exhaust Gas Temperature Out of Range Bank 2 Sensor 1 P247D Exhaust Gas Temperature Out of Range Bank 2 Sensor 2 P247E Exhaust Gas Temperature Out of Range Bank 2 Sensor 3 P247F Exhaust Gas Temperature Out of Range Bank 2 Sensor 4 P2480 Exhaust Gas Temperature Sensor Circuit/Open Bank 1 Sensor 5 P2481 Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 5 P2482 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 | P2478 | Exhaust Gas Temperature Out of Range | Bank 1 Sensor 1 | |
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| P247C Exhaust Gas Temperature Out of Range Bank 2 Sensor 1 P247D Exhaust Gas Temperature Out of Range Bank 2 Sensor 2 P247E Exhaust Gas Temperature Out of Range Bank 2 Sensor 3 P247F Exhaust Gas Temperature Out of Range Bank 2 Sensor 4 P2480 Exhaust Gas Temperature Sensor Circuit/Open Bank 1 Sensor 5 P2481 Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 5 P2482 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 | P247A | Exhaust Gas Temperature Out of Range | Bank 1 Sensor 3 | |
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| P247E Exhaust Gas Temperature Out of Range Bank 2 Sensor 3 P247F Exhaust Gas Temperature Out of Range Bank 2 Sensor 4 P2480 Exhaust Gas Temperature Sensor Circuit/Open Bank 1 Sensor 5 P2481 Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 5 P2482 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 | P247C | Exhaust Gas Temperature Out of Range | Bank 2 Sensor 1 | |
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| P2481 Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 5 P2482 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 | P247F | Exhaust Gas Temperature Out of Range | Bank 2 Sensor 4 | |
| P2482 Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5 | | · | | |
| i G | | · | | |
| P2483 Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 5 | | · | | |
| | | · | | |
| P2484 Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 5 | P2484 | Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic | Bank 1 Sensor 5 | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|-----------------|------------------|
| P2485 | Exhaust Gas Temperature Sensor Circuit/Open | Bank 2 Sensor 5 | |
| P2486 | Exhaust Gas Temperature Sensor Circuit Low | Bank 2 Sensor 5 | |
| P2487 | Exhaust Gas Temperature Sensor Circuit High | Bank 2 Sensor 5 | |
| P2488 | Exhaust Gas Temperature Sensor Circuit Range/Performance | Bank 2 Sensor 5 | |
| P2489 | Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic | Bank 2 Sensor 5 | |
| P248A – P24FF | ISO/SAE Reserved | | |

TABLE D23 - P25XX AUXILIARY INPUTS

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P2500 | Generator Lamp/L-Terminal Circuit Low | | |
| P2501 | Generator Lamp/L-Terminal Circuit High | | |
| P2502 | Charging System Voltage | | |
| P2503 | Charging System Voltage Low | | |
| P2504 | Charging System Voltage High | | |
| P2505 | ECM/PCM Power Input Signal | | 6 |
| P2506 | ECM/PCM Power Input Signal Range/Performance | | 6 |
| P2507 | ECM/PCM Power Input Signal Low | | 6 |
| P2508 | ECM/PCM Power Input Signal High | | 6 |
| P2509 | ECM/PCM Power Input Signal Intermittent | | 6 |
| P250A | Engine Oil Level Sensor Circuit | | |
| P250B | Engine Oil Level Sensor Circuit Range/Performance | | |
| P250C | Engine Oil Level Sensor Circuit Low | | |
| P250D | Engine Oil Level Sensor Circuit High | | |
| P250E | Engine Oil Level Sensor Circuit Intermittent/Erratic | | |
| P250F | Engine Oil Level Too Low | | |
| P2510 | ECM/PCM Power Relay Sense Circuit Range/Performance | | |
| P2511 | ECM/PCM Power Relay Sense Circuit Intermittent | | |
| P2512 | Event Data Recorder Request Circuit/ Open | | |
| P2513 | Event Data Recorder Request Circuit Low | | |
| P2514 | Event Data Recorder Request Circuit High | | |
| P2515 | A/C Refrigerant Pressure Sensor "B" Circuit | | |
| P2516 | A/C Refrigerant Pressure Sensor "B" Circuit Range/Performance | | |
| P2517 | A/C Refrigerant Pressure Sensor "B" Circuit Low | | |
| P2518 | A/C Refrigerant Pressure Sensor "B" Circuit High | | |
| P2519 | A/C Request "A" Circuit | | |
| P251A | PTO Enable Switch Circuit/Open | | |
| P251B | PTO Enable Switch Circuit Low | | |
| P251C | PTO Enable Switch Circuit High | | |
| P251D | PTO Engine Shutdown Circuit/Open | | |
| P251E | PTO Engine Shutdown Circuit Low | | |
| P251F | PTO Engine Shutdown Circuit High | | |
| P2520 | A/C Request "A" Circuit Low | | |
| P2521 | A/C Request "A" Circuit High | | |
| P2522 | A/C Request "B" Circuit | | |
| P2523 | A/C Request "B" Circuit Low | | |
| P2524 | A/C Request "B" Circuit High | | |
| P2525 | Vacuum Reservoir Pressure Sensor Circuit | | |
| P2526 | Vacuum Reservoir Pressure Sensor Circuit Range/Performance | | |
| P2527 | Vacuum Reservoir Pressure Sensor Circuit Low | | |
| P2528 | Vacuum Reservoir Pressure Sensor Circuit High | | |
| P2529 | Vacuum Reservoir Pressure Sensor Circuit Intermittent | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-------------|
| P252A | Engine Oil Quality Sensor Circuit | 2004.0 | 1 001 11010 |
| P252B | Engine Oil Quality Sensor Circuit Range/Performance | | |
| P252C | Engine Oil Quality Sensor Circuit Low | | |
| P252D | Engine Oil Quality Sensor Circuit High | | |
| P252E | Engine Oil Quality Circuit Intermittent/Erratic | | |
| P252F | Engine Oil Level Too High | | |
| P2530 | Ignition Switch Run Position Circuit | | |
| P2531 | Ignition Switch Run Position Circuit Low | | |
| P2532 | Ignition Switch Run Position Circuit High | | |
| P2533 | Ignition Switch Run/Start Position Circuit | | |
| P2534 | Ignition Switch Run/Start Position Circuit Low | | |
| P2535 | Ignition Switch Run/Start Position Circuit High | | |
| P2536 | Ignition Switch Accessory Position Circuit | | |
| P2537 | Ignition Switch Accessory Position Circuit Low | | |
| P2538 | Ignition Switch Accessory Position Circuit High | | |
| P2539 | Low Pressure Fuel System Sensor Circuit | | |
| P253A | PTO Sense Circuit/Open | | |
| P253B | PTO Sense Circuit Range/Performance | | |
| P253C | PTO Sense Circuit Low | | |
| P253D | PTO Sense Circuit High | | |
| P253E | PTO Sense Circuit Intermittent/Erratic | | |
| P253F | Engine Oil Deteriorated | | |
| P2540 | Low Pressure Fuel System Sensor Circuit Range/Performance | | |
| P2541 | Low Pressure Fuel System Sensor Circuit Low | | |
| P2542 | Low Pressure Fuel System Sensor Circuit High | | |
| P2543 | Low Pressure Fuel System Sensor Circuit Intermittent | | |
| P2544 | Torque Management Request Input Signal "A" | | |
| P2545 | Torque Management Request Input Signal "A" Range/Performance | | |
| P2546 | Torque Management Request Input Signal "A" Low | | |
| P2547 | Torque Management Request Input Signal "A" High | | |
| P2548 | Torque Management Request Input Signal "B" | | |
| P2549 | Torque Management Request Input Signal "B" Range/Performance | | |
| P254A | PTO Speed Selector Sensor/Switch 1 Circuit/Open | | |
| P254B | PTO Speed Selector Sensor/Switch 1 Range/Performance | | |
| P254C | PTO Speed Selector Sensor/Switch 1 Circuit Low | | |
| P254D | PTO Speed Selector Sensor/Switch 1 Circuit High | | |
| P254E | PTO Speed Selector Sensor/Switch 1 Circuit Intermittent/Erratic | | |
| P254F | Engine Hood Switch Circuit | | |
| P2550 | Torque Management Request Input Signal "B" Low | | į. |
| P2551 | Torque Management Request Input Signal "B" High | | |
| P2552 | Throttle/Fuel Inhibit Circuit | | |
| P2553 | Throttle/Fuel Inhibit Circuit Range/Performance | | |
| P2554 | Throttle/Fuel Inhibit Circuit Low | | |
| P2555 | Throttle/Fuel Inhibit Circuit High | | |
| P2556 | Engine Coolant Level Sensor/Switch Circuit | | î |
| P2557 | Engine Coolant Level Sensor/Switch Circuit Range/Performance | | |
| P2558 | Engine Coolant Level Sensor/Switch Circuit Low | | |
| P2559 | Engine Coolant Level Sensor/Switch Circuit High | | |
| P255A | PTO Speed Selector Sensor/Switch 2 Circuit/Open | | |
| P255B | PTO Speed Selector Sensor/Switch 2 Range/Performance | | |
| P255C | PTO Speed Selector Sensor/Switch 2 Circuit Low | | |
| P255D | PTO Speed Selector Sensor/Switch 2 Circuit High | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|------------------|-----------|
| P255E | PTO Speed Selector Sensor/Switch 2 Circuit Intermittent/Erratic | | |
| P255F | A/C Request "A" Circuit Range/Performance | | |
| P2560 | Engine Coolant Level Low | | |
| P2561 | A/C Control Module Requested MIL Illumination | | |
| P2562 | Turbocharger Boost Control Position Sensor "A" Circuit | | |
| P2563 | Turbocharger Boost Control Position Sensor "A" Circuit | | |
| | Range/Performance | | |
| P2564 | Turbocharger Boost Control Position Sensor "A" Circuit Low | | |
| P2565 | Turbocharger Boost Control Position Sensor "A" Circuit High | | |
| P2566 | Turbocharger Boost Control Position Sensor "A" Circuit Intermittent | | |
| P2567 | Direct Ozone Reduction Catalyst Temperature Sensor Circuit | | |
| P2568 | Direct Ozone Reduction Catalyst Temperature Sensor Circuit | | |
| | Range/Performance | | |
| P2569 | Direct Ozone Reduction Catalyst Temperature Sensor Circuit Low | | |
| P256A | Engine Idle Speed Selector Sensor/Switch Circuit/Open | | |
| P256B | Engine Idle Speed Selector Sensor/Switch Range/Performance | | |
| P256C | Engine Idle Speed Selector Sensor/Switch Circuit Low | | |
| P256D | Engine Idle Speed Selector Sensor/Switch Circuit High | | |
| P256E | Engine Idle Speed Selector Sensor/Switch Circuit | | |
| D0505 | Intermittent/Erratic | | |
| P256F | A/C Request "B" Circuit Range/Performance | | |
| P2570 | Direct Ozone Reduction Catalyst Temperature Sensor Circuit High | | |
| P2571 | Direct Ozone Reduction Catalyst Temperature Sensor Circuit | | |
| D2572 | Intermittent/Erratic | | |
| P2572 P2573 | Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Direct Ozone Reduction Catalyst Deterioration Sensor Circuit | | |
| F2373 | Range/Performance | | |
| P2574 | Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Low | | |
| P2575 | Direct Ozone Reduction Catalyst Deterioration Sensor Circuit High | | |
| P2576 | Direct Ozone Reduction Catalyst Deterioration Sensor Circuit | | |
| | Intermittent/Erratic | | |
| P2577 | Direct Ozone Reduction Catalyst Efficiency Below Threshold | | |
| P2578 | Turbocharger Speed Sensor Circuit | | |
| P2579 | Turbocharger Speed Sensor Circuit Range/Performance | | |
| P257A | Vacuum Reservoir Control Circuit/Open | | |
| P257B | Vacuum Reservoir Control Circuit Low | | |
| P257C | Vacuum Reservoir Control Circuit High | | |
| P257D | Engine Hood Switch Circuit Range/Performance | | |
| P257E | Engine Hood Switch Circuit Low | | |
| P257F | Engine Hood Switch Circuit High | | |
| P2580 | Turbocharger Speed Sensor Circuit Low | | |
| P2581 | Turbocharger Speed Sensor Circuit High | | |
| P2582 | Turbocharger Speed Sensor Circuit Intermittent | | |
| P2583 | Cruise Control Front Distance Range Sensor | Single Sensor or | |
| | | Center | |
| P2584 | Fuel Additive Control Module Requested MIL Illumination | | |
| P2585 | Fuel Additive Control Module Warning Lamp Request | | |
| P2586 | Turbocharger Boost Control Position Sensor "B" Circuit | | |
| P2587 | Turbocharger Boost Control Position Sensor "B" Circuit | | |
| D2599 | Range/Performance Turbocharger Roost Control Position Sensor "R" Circuit Low | | |
| P2588 P2589 | Turbocharger Boost Control Position Sensor "B" Circuit Low | | |
| P2589 P258A | Turbocharger Boost Control Position Sensor "B" Circuit High Vacuum Pump Control Circuit/Open | | |
| P258A P258B | Vacuum Pump Control Range/Performance | | |
| FZUD | vacuum rump control Kange/renormance | | |

| DTC Number | DTC Naming | Location | Foot Note |
|-----------------|--|----------|-----------|
| P258C | Vacuum Pump Control Circuit Low | | |
| P258D | Vacuum Pump Control Circuit High | | |
| P258E | PTO Enable Switch Performance | | |
| P258F | Torque Management Request Output Signal | | |
| P2590 | Turbocharger Boost Control Position Sensor "B" Circuit | | |
| | Intermittent/Erratic | | |
| P2591 | Cruise Control Front Distance Range Sensor | Left | |
| P2592 | Cruise Control Front Distance Range Sensor | Right | |
| P2593 – P25FF | ISO/SAE Reserved | | |
| 6) For DTCs P25 | 505 - P2509 also see P0685 | | |

TABLE D24 - P26XX COMPUTER AND AUXILIARY OUTPUTS

| DTC Number DTC Naming Location Foot Note P2600 Coolant Pump "A" Control Circuit/Open P2601 Coolant Pump "A" Control Circuit Range/Performance P2602 Coolant Pump "A" Control Circuit Low P2603 Coolant Pump "A" Control Circuit Low P2604 Intake Air Heater "A" Circuit Range/Performance P2605 Intake Air Heater "B" Circuit Range/Performance P2606 Intake Air Heater "B" Circuit Range/Performance P2607 Intake Air Heater "B" Circuit Low P2608 Intake Air Heater "B" Circuit Low P2609 Intake Air Heater "B" Circuit High P2600 Intake Air Heater System Performance P2600 Intake Air Heater System Performance P2600 PTO Control Circuit High P2600 PTO Control Circuit Low P2600 PTO Control Circuit Low P2600 PTO Control Circuit High P2600 PTO Engaged Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit Low P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit High P2615 Camshaft Position Signal Output Circuit High P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2610 Coolant Pump "B" Control Circuit Range/Performance P2611 Cronkshaft Position Signal Output Circuit High P2612 Trottle Position Output Circuit High P2613 Coolant Pump "B" Control Circuit High P2614 Coolant Pump "B" Control Circuit High P2615 Canshaft Position Signal Output Circuit High P2616 Canshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Coolant Pump "B" Control Circuit High P2619 Crankshaft Position Signal Output Circuit High P2610 Coolant Pump "B" Control Circuit High P2621 Throttle Position Output Circuit High P2622 Injector Control Pressure Regulator Circui | | TABLE B24 - 1 20/X COMI O TER AND AGAILIART CO | | |
|--|------------|---|----------|-----------|
| P2601 Coolant Pump "A" Control Circuit Range/Performance P2602 Coolant Pump "A" Control Circuit Low P2603 Coolant Pump "A" Control Circuit High P2604 Intake Air Heater "A" Circuit Range/Performance P2605 Intake Air Heater "B" Circuit Range/Performance P2606 Intake Air Heater "B" Circuit Range/Performance P2607 Intake Air Heater "B" Circuit Low P2608 Intake Air Heater "B" Circuit Low P2609 Intake Air Heater "S" Circuit High P2600 Intake Air Heater "S" Circuit High P2600 PTO Control Circuit Low P2600 PTO Control Circuit Low P2600 PTO Control Circuit Low P2600 PTO Control Circuit High P2600 PTO Control Circuit High P2600 PTO Control Circuit High P2601 Diesel Particulate Filter Regeneration Lamp Control Circuit P2602 Diesel Particulate Filter Regeneration Lamp Control Circuit P2604 A'C Refrigerant Distribution Valve Control Circuit Low P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit Low P2615 Camshaft Position Signal Output Circuit High P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2610 Coolant Pump "B" Control Circuit Range/Performance P2611 Coolant Pump "B" Control Circuit Range/Performance P2612 Coolant Pump "B" Control Circuit High P2613 Reserved P2614 ISO/SAE Reserved P2615 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit/Open | DTC Number | | Location | Foot Note |
| P2602 Coolant Pump "A" Control Circuit Low P2603 Coolant Pump "A" Control Circuit High P2604 Intake Air Heater "B" Circuit High P2605 Intake Air Heater "B" Circuit/Open 7 P2606 Intake Air Heater "B" Circuit/Open 7 P2606 Intake Air Heater "B" Circuit Range/Performance 7 P2607 Intake Air Heater "B" Circuit Low 7 P2608 Intake Air Heater "B" Circuit Low 7 P2609 Intake Air Heater "B" Circuit Low 7 P2609 Intake Air Heater "B" Circuit Low 7 P2600 PTO Control Circuit/Open 9 P2600 PTO Control Circuit Low 9 P2600 PTO Control Circuit High 9 P2600 PTO Control Circuit High 9 P2600 PTO Engaged Lamp Control Circuit P2600 Diesel Particulate Filter Regeneration Lamp Control Circuit P2600 Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit High P2615 Camshaft Position Signal Output Circuit High P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Crankshaft Position Signal Output Circuit High P2619 Coolant Pump "B" Control Circuit Low P2619 Coolant Pump "B" Control Circuit Low P2619 Coolant Pump "B" Control Circuit High P2611 SiO/SAE Reserved P2611 SiO/SAE Reserved P2611 SiO/SAE Reserved P2612 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit Low P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | 7 7 74 | · | | |
| P2603 Coolant Pump "A" Control Circuit High P2604 Intake Air Heater "A" Circuit Range/Performance 7 P2605 Intake Air Heater "B" Circuit/Open 7 P2606 Intake Air Heater "B" Circuit Range/Performance 7 P2607 Intake Air Heater "B" Circuit Low 7 P2608 Intake Air Heater "B" Circuit High 7 P2609 Intake Air Heater "B" Circuit High 7 P2609 Intake Air Heater "B" Circuit High 7 P2600 PTO Control Circuit Low P2600 PTO Control Circuit Low P2600 PTO Control Circuit Low P2600 PTO Control Circuit High P2600 PTO Control Circuit High P2600 PTO Engaged Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit High P2613 A/C Refrigerant Distribution Valve Control Circuit High P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P2610 Coolant Pump "B" Control Circuit High P2611 Coolant Pump "B" Control Circuit High P2612 Coolant Pump "B" Control Circuit High P2614 Coolant Pump "B" Control Circuit High P2615 Coolant Pump "B" Control Circuit High P2616 Coolant Pump "B" Control Circuit High P2617 Coolant Pump "B" Control Circuit High P2618 Coolant Pump "B" Control Circuit High P2619 Coolant Pump "B" Control Circuit High P2610 Coolant Pump "B" Control Circuit High P2622 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector | 7 | · · · · · · · · · · · · · · · · · · · | | |
| P2604 Intake Air Heater "A" Circuit Range/Performance 7 P2605 Intake Air Heater "B" Circuit/Open 7 P2606 Intake Air Heater "B" Circuit Range/Performance 7 P2607 Intake Air Heater "B" Circuit Low 7 P2608 Intake Air Heater "B" Circuit Low 7 P2608 Intake Air Heater "B" Circuit High 7 P2609 Intake Air Heater System Performance 7 P2600 PTO Control Circuit/Open 7 P2600 PTO Control Circuit Low P2600 PTO Control Circuit High 7 P2600 PTO Control Circuit Low P2600 PTO Control Circuit High 7 P2600 PTO Engaged Lamp Control Circuit P2600 PTO Engaged Lamp Control Circuit P2600 PTO Engaged Lamp Control Circuit Low P2601 Evaporative System Monitoring Processor Performance P2611 A/C Refrigerant Distribution Valve Control Circuit Low P2601 EcM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit Low P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit High P2614 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Camshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2610 Coolant Pump "B" Control Circuit High P2611 Coolant Pump "B" Control Circuit High P2612 Coolant Pump "B" Control Circuit High P2613 Coolant Pump "B" Control Circuit Low P2614 Coolant Pump "B" Control Circuit Low P2615 Coolant Pump "B" Control Circuit Low P2616 Coolant Pump "B" Control Circuit Low P2617 P2616 Coolant Pump "B" Control Circuit Low P2617 Coolant Pump "B" Control Circuit Low P2619 Coolant Pump "B" Control Circuit High P2614 Coolant Pump "B" Control Circuit High P2615 Coolant Pump "B" Control Circuit High P2616 P2620 Throttle Position Output Circuit High P2621 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control P | P2602 | · | | |
| P2605 Intake Air Heater "B" Circuit/Open 7 P2606 Intake Air Heater "B" Circuit Range/Performance 7 P2607 Intake Air Heater "B" Circuit Range/Performance 7 P2608 Intake Air Heater "B" Circuit High 7 P2609 Intake Air Heater "S" Circuit High 7 P2609 Intake Air Heater System Performance 7 P260A PTO Control Circuit/Open P70 Engaged Lamp Control Circuit High 8 P260D PTO Control Circuit High 9 P260D PTO Engaged Lamp Control Circuit P260D PTO Engaged Lamp Control Circuit Every P260D PTO Engaged Lamp Control Circuit Every P260D PTO Engaged Lamp Control Circuit Every P260D Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit High P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit Low P261B Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit Low P262D Throttle Position Output Circuit High P262A Injector Control Pressure Regulator Circuit/Open Injector Control Pressure Regulator Circuit Lo | | | | |
| P2606 Intake Air Heater "B" Circuit Range/Performance 7 P2607 Intake Air Heater "B" Circuit Low 7 P2608 Intake Air Heater "B" Circuit High 7 P2609 Intake Air Heater System Performance 7 P2600A PTO Control Circuit/Open 9 P2600B PTO Control Circuit High 7 P2600 PTO Control Circuit High 9 P2600 PTO Control Circuit High 9 P2600 PTO Engaged Lamp Control Circuit Performance 9 P2600 PTO Engaged Lamp Control Circuit Performance 9 P2600 PTO Engaged Lamp Control Circuit Performance 9 P2601 Evaporative System Monitoring Processor Performance 9 P2602 Evaporative System Monitoring Processor Performance 9 P2610 ECM/PCM Internal Engine Off Timer Performance 9 P2611 A/C Refrigerant Distribution Valve Control Circuit/Open 9 P2612 A/C Refrigerant Distribution Valve Control Circuit Low 9 P2613 A/C Refrigerant Distribution Valve Control Circuit High 9 P2614 Camshaft Position Signal Output Circuit High 9 P2615 Camshaft Position Signal Output Circuit High 9 P2616 Camshaft Position Signal Output Circuit High 9 P2617 Crankshaft Position Signal Output Circuit High 9 P2618 Crankshaft Position Signal Output Circuit High 9 P2619 Crankshaft Position Signal Output Circuit High 9 P2610 Coolant Pump "B" Control Circuit High 9 P2611 Coolant Pump "B" Control Circuit High 9 P2612 Crankshaft Position Signal Output Circuit High 9 P2613 Coolant Pump "B" Control Circuit High 9 P2614 Coolant Pump "B" Control Circuit Low 9 P2615 Coolant Pump "B" Control Circuit Low 9 P2616 Coolant Pump "B" Control Circuit Low 9 P2617 Firottle Position Output Circuit Low 9 P2618 Firottle Position Output Circuit Low 9 P2619 Throttle Position Output Circuit Low 9 P2620 Throttle Position Output Circuit Low 9 P2621 Throttle Position Output Circuit Low 9 P2622 Throttle Position Output Circuit Low 9 P2623 Injector Control Pressure Regulator Circuit/Open 9 P2624 Injector Control Pressure Regulator Circuit Low 9 P2625 Injector Control Pressure Regulator Circuit Low 9 P2626 Injector Control Pressure Regulator Circuit Low 9 P2627 Page 9 P2628 Page 9 P2629 Page 9 P2629 Page 9 P26 | P2604 | Intake Air Heater "A" Circuit Range/Performance | | 7 |
| P2607 Intake Air Heater "B" Circuit Low 7 P2608 Intake Air Heater "B" Circuit High 7 P2609 Intake Air Heater "System Performance 7 P2600 PTO Control Circuit/Open 7 P2600 PTO Control Circuit Low P2600 PTO Control Circuit Low P2600 PTO Engaged Lamp Control Circuit Low P2600 PTO Engaged Lamp Control Circuit Low P2600 PTO Engaged Lamp Control Circuit P2600 PTO Engaged Lamp Control Circuit P2600 PTO Engaged Lamp Control Circuit Low P2601 Diesel Particulate Filter Regeneration Lamp Control Circuit P2600 Evaporative System Monitoring Processor Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit/Open P2613 A/C Refrigerant Distribution Valve Control Circuit Low P2614 Camshaft Position Signal Output Circuit Low P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit Low P2617 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P2616 Coolant Pump "B" Control Circuit Range/Performance P2610 Coolant Pump "B" Control Circuit Range/Performance P2610 Coolant Pump "B" Control Circuit High P2611 ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit Low P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P2605 | Intake Air Heater "B" Circuit/Open | | 7 |
| P2608 Intake Air Heater "B" Circuit High 7 P2609 Intake Air Heater System Performance 7 P260A PTO Control Circuit/Open 7 P260B PTO Control Circuit Low 7 P260C PTO Control Circuit High 7 P260D PTO Engaged Lamp Control Circuit P260E Diesel Particulate Filter Regeneration Lamp Control Circuit P260E Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit High P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit Low P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit Low P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P2614 Coolant Pump "B" Control Circuit High P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2610 Coolant Pump "B" Control Circuit Hange/Performance P2610 Coolant Pump "B" Control Circuit High P2611 ISO/SAE Reserved P2612 ISO/SAE Reserved P2620 Throttle Position Output Circuit High P2621 Throttle Position Output Circuit High P2622 Injector Control Pressure Regulator Circuit/Open Injector Control Pressure Regulator Circuit Low | P2606 | Intake Air Heater "B" Circuit Range/Performance | | 7 |
| P2609 Intake Air Heater System Performance 7 P260A PTO Control Circuit/Open 9 P260B PTO Control Circuit Low 9 P260C PTO Control Circuit Low 9 P260C PTO Control Circuit High 9 P260D PTO Engaged Lamp Control Circuit P260E Diesel Particulate Filter Regeneration Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit Low P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit Low P2619 Coalant Pump "B" Control Circuit Range/Performance P2610 Coolant Pump "B" Control Circuit Range/Performance P2610 Coolant Pump "B" Control Circuit High P2611 ESO/SAE Reserved P2611 ISO/SAE Reserved P2612 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit Low P2623 Injector Control Pressure Regulator Circuit Low | P2607 | Intake Air Heater "B" Circuit Low | | |
| P260A PTO Control Circuit Low P260B PTO Control Circuit Low P260C PTO Control Circuit High P260D PTO Engaged Lamp Control Circuit P260E Diesel Particulate Filter Regeneration Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit Low P2618 Crankshaft Position Signal Output Circuit High P2619 Crankshaft Position Signal Output Circuit High P2610 Coolant Pump "B" Control Circuit Range/Performance P2611 Coolant Pump "B" Control Circuit Low P2612 Coolant Pump "B" Control Circuit Low P2613 Coolant Pump "B" Control Circuit Low P2614 Coolant Pump "B" Control Circuit Low P2615 Coolant Pump "B" Control Circuit Low P2616 Coolant Pump "B" Control Circuit Low P2617 Crankshaft Position Output Circuit Low P2618 Coolant Pump "B" Control Circuit Low P2619 Tipothe P2618 Coolant Pump "B" Control Circuit Low P2610 Coolant Pump "B" Control Circuit Low P2611 ISO/SAE Reserved P2612 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit Low P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P2608 | Intake Air Heater "B" Circuit High | | |
| P260B PTO Control Circuit Low P260C PTO Control Circuit High P260D PTO Engaged Lamp Control Circuit P260E Diesel Particulate Filter Regeneration Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit High P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit Low P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit Range/Performance P261B Coolant Pump "B" Control Circuit Low P261B Coolant Pump "B" Control Circuit High P261C Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P2609 | Intake Air Heater System Performance | | 7 |
| P260C PTO Control Circuit High P260D PTO Engaged Lamp Control Circuit P260E Diesel Particulate Filter Regeneration Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit Low P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit Low P2610 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit High P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P260A | PTO Control Circuit/Open | | |
| P260E Diesel Particulate Filter Regeneration Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit Low P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit Range/Performance P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit High P261B Coolant Pump "B" Control Circuit High P261B ISO/SAE Reserved P261C Throttle Position Output Circuit Low P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P260B | PTO Control Circuit Low | | |
| P260E Diesel Particulate Filter Regeneration Lamp Control Circuit P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit Low P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit Aligh P261B Coolant Pump "B" Control Circuit Low P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit Ligh P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit Low P2623 Injector Control Pressure Regulator Circuit Low Injector Control Pressure Regulator Circuit Low | P260C | PTO Control Circuit High | | |
| P260F Evaporative System Monitoring Processor Performance P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit High P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit High P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P2614 Coolant Pump "B" Control Circuit High P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P260D | PTO Engaged Lamp Control Circuit | | |
| P2610 ECM/PCM Internal Engine Off Timer Performance P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit Anage/Performance P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit High P261B ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P260E | Diesel Particulate Filter Regeneration Lamp Control Circuit | | |
| P2611 A/C Refrigerant Distribution Valve Control Circuit/Open P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit High P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P260F | Evaporative System Monitoring Processor Performance | | |
| P2612 A/C Refrigerant Distribution Valve Control Circuit Low P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P2610 | ECM/PCM Internal Engine Off Timer Performance | | |
| P2613 A/C Refrigerant Distribution Valve Control Circuit High P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low | P2611 | · · · · · · · · · · · · · · · · · · · | | |
| P2614 Camshaft Position Signal Output Circuit/Open P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P2612 | A/C Refrigerant Distribution Valve Control Circuit Low | | |
| P2615 Camshaft Position Signal Output Circuit Low P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P2613 | A/C Refrigerant Distribution Valve Control Circuit High | | |
| P2616 Camshaft Position Signal Output Circuit High P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit High P2622 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P2614 | Camshaft Position Signal Output Circuit/Open | | |
| P2617 Crankshaft Position Signal Output Circuit/Open P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P2615 | Camshaft Position Signal Output Circuit Low | | |
| P2618 Crankshaft Position Signal Output Circuit Low P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit Low P2621 Throttle Position Output Circuit High P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P2616 | Camshaft Position Signal Output Circuit High | | |
| P2619 Crankshaft Position Signal Output Circuit High P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P2617 | Crankshaft Position Signal Output Circuit/Open | | |
| P261A Coolant Pump "B" Control Circuit/Open P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P2618 | Crankshaft Position Signal Output Circuit Low | | |
| P261B Coolant Pump "B" Control Circuit Range/Performance P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | | Crankshaft Position Signal Output Circuit High | | |
| P261C Coolant Pump "B" Control Circuit Low P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P261A | Coolant Pump "B" Control Circuit/Open | | |
| P261D Coolant Pump "B" Control Circuit High P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit Low P2624 Injector Control Pressure Regulator Circuit Low | P261B | Coolant Pump "B" Control Circuit Range/Performance | | |
| P261E ISO/SAE Reserved P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P261C | | | |
| P261F ISO/SAE Reserved P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P261D | Coolant Pump "B" Control Circuit High | | |
| P2620 Throttle Position Output Circuit/Open P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P261E | ISO/SAE Reserved | | |
| P2621 Throttle Position Output Circuit Low P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P261F | ISO/SAE Reserved | | |
| P2622 Throttle Position Output Circuit High P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | | Throttle Position Output Circuit/Open | | |
| P2623 Injector Control Pressure Regulator Circuit/Open P2624 Injector Control Pressure Regulator Circuit Low | P2621 | Throttle Position Output Circuit Low | | |
| P2624 Injector Control Pressure Regulator Circuit Low | P2622 | Throttle Position Output Circuit High | | |
| , and the second | P2623 | Injector Control Pressure Regulator Circuit/Open | | |
| P2625 Injector Control Pressure Regulator Circuit High | P2624 | Injector Control Pressure Regulator Circuit Low | | |
| | P2625 | Injector Control Pressure Regulator Circuit High | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|-----------------|-----------|
| P2626 | O2 Sensor Pumping Current Trim Circuit/Open | Bank 1 Sensor 1 | |
| P2627 | O2 Sensor Pumping Current Trim Circuit Low | Bank 1 Sensor 1 | |
| P2628 | O2 Sensor Pumping Current Trim Circuit High | Bank 1 Sensor 1 | |
| P2629 | O2 Sensor Pumping Current Trim Circuit/Open | Bank 2 Sensor 1 | |
| P262A | ISO/SAE Reserved | | |
| P262B | ISO/SAE Reserved | | |
| P262C | ISO/SAE Reserved | | |
| P262D | ISO/SAE Reserved | | |
| P262E | ISO/SAE Reserved | | |
| P262F | ISO/SAE Reserved | | |
| P2630 | O2 Sensor Pumping Current Trim Circuit Low | Bank 2 Sensor 1 | |
| P2631 | O2 Sensor Pumping Current Trim Circuit High | Bank 2 Sensor 1 | |
| P2632 | Fuel Pump "B" Control Circuit /Open | | |
| P2633 | Fuel Pump "B" Control Circuit Low | | |
| P2634 | Fuel Pump "B" Control Circuit High | | |
| P2635 | Fuel Pump "A" Low Flow/Performance | | |
| P2636 | Fuel Pump "B" Low Flow/Performance | | |
| P2637 | Torque Management Feedback Signal "A" | | |
| P2638 | Torque Management Feedback Signal "A" Range/Performance | | |
| P2639 | Torque Management Feedback Signal "A" Low | | |
| P263A | ISO/SAE Reserved | | |
| P263B | ISO/SAE Reserved | | |
| P263C | ISO/SAE Reserved | | |
| P263D | ISO/SAE Reserved | | |
| P263E | ISO/SAE Reserved | | |
| P263F | ISO/SAE Reserved | | |
| P2640 | Torque Management Feedback Signal "A" High | | |
| P2641 | Torque Management Feedback Signal "B" | | |
| P2642 | Torque Management Feedback Signal "B" Range/Performance | | |
| P2643 | Torque Management Feedback Signal "B" Low | | |
| P2644 | Torque Management Feedback Signal "B" High | | |
| P2645 | "A" Rocker Arm Actuator Control Circuit/Open | Bank 1 | е |
| P2646 | "A" Rocker Arm Actuator System Performance/Stuck Off | Bank 1 | е |
| P2647 | "A" Rocker Arm Actuator System Stuck On | Bank 1 | е |
| P2648 | "A" Rocker Arm Actuator Control Circuit Low | Bank 1 | е |
| P2649 | "A" Rocker Arm Actuator Control Circuit High | Bank 1 | е |
| P264A | "A" Rocker Arm Actuator Position Sensor Circuit | Bank 1 | е |
| P264B | "A" Rocker Arm Actuator Position Sensor Circuit Range/Performance | Bank 1 | е |
| P264C | "A" Rocker Arm Actuator Position Sensor Circuit Low | Bank 1 | е |
| P264D | "A" Rocker Arm Actuator Position Sensor Circuit High | Bank 1 | е |
| P264E | "A" Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic | Bank 1 | е |
| P264F | ISO/SAE Reserved | | |
| P2650 | "B" Rocker Arm Actuator Control Circuit/Open | Bank 1 | f |
| P2651 | "B" Rocker Arm Actuator System Performance/Stuck Off | Bank 1 | f |
| P2652 | "B" Rocker Arm Actuator System Stuck On | Bank 1 | f |
| P2653 | "B" Rocker Arm Actuator Control Circuit Low | Bank 1 | f |
| P2654 | "B" Rocker Arm Actuator Control Circuit High | Bank 1 | f |
| P2655 | "A" Rocker Arm Actuator Control Circuit/Open | Bank 2 | е |
| P2656 | "A" Rocker Arm Actuator System Performance/Stuck Off | Bank 2 | е |
| P2657 | "A" Rocker Arm Actuator System Stuck On | Bank 2 | е |
| P2658 | "A" Rocker Arm Actuator Control Circuit Low | Bank 2 | е |
| P2659 | "A" Rocker Arm Actuator Control Circuit High | Bank 2 | е |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P265A | "B" Rocker Arm Actuator Position Sensor Circuit | Bank 1 | f |
| P265B | "B" Rocker Arm Actuator Position Sensor Circuit Range/Performance | Bank 1 | f |
| P265C | "B" Rocker Arm Actuator Position Sensor Circuit Low | Bank 1 | f |
| P265D | "B" Rocker Arm Actuator Position Sensor Circuit High | Bank 1 | f |
| P265E | "B" Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic | Bank 1 | f |
| P265F | ISO/SAE Reserved | | |
| P2660 | "B" Rocker Arm Actuator Control Circuit/Open | Bank 2 | f |
| P2661 | "B" Rocker Arm Actuator System Performance/Stuck Off | Bank 2 | f |
| P2662 | "B" Rocker Arm Actuator System Stuck On | Bank 2 | f |
| P2663 | "B" Rocker Arm Actuator Control Circuit Low | Bank 2 | f |
| P2664 | "B" Rocker Arm Actuator Control Circuit High | Bank 2 | f |
| P2665 | Fuel Shutoff Valve "B" Control Circuit/Open | | |
| P2666 | Fuel Shutoff Valve "B" Control Circuit Low | | |
| P2667 | Fuel Shutoff Valve "B" Control Circuit High | | |
| P2668 | Fuel Mode Indicator Lamp Control Circuit | | |
| P2669 | Actuator Supply Voltage "B" Circuit /Open | | |
| P266A | "A" Rocker Arm Actuator Position Sensor Circuit | Bank 2 | е |
| P266B | "A" Rocker Arm Actuator Position Sensor Circuit Range/Performance | Bank 2 | е |
| P266C | "A" Rocker Arm Actuator Position Sensor Circuit Low | Bank 2 | е |
| P266D | "A" Rocker Arm Actuator Position Sensor Circuit High | Bank 2 | е |
| P266E | "A" Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic | Bank 2 | е |
| P266F | ISO/SAE Reserved | | |
| P2670 | Actuator Supply Voltage "B" Circuit Low | | |
| P2671 | Actuator Supply Voltage "B" Circuit High | | |
| P2672 | Injection Pump Timing Offset | | |
| P2673 | Injection Pump Timing Calibration Not Learned | | |
| P2674 | Injection Pump Fuel Calibration Not Learned | | |
| P2675 | Air Cleaner Inlet Control Circuit/Open | | |
| P2676 | Air Cleaner Inlet Control Circuit Low | | |
| P2677 | Air Cleaner Inlet Control Circuit High | | |
| P2678 | Coolant Degassing Valve Control Circuit/Open | | |
| P2679 | Coolant Degassing Valve Control Circuit Low | | |
| P267A | "B" Rocker Arm Actuator Position Sensor Circuit | Bank 2 | f |
| P267B | "B" Rocker Arm Actuator Position Sensor Circuit Range/Performance | Bank 2 | f |
| P267C | "B" Rocker Arm Actuator Position Sensor Circuit Low | Bank 2 | f |
| P267D | "B" Rocker Arm Actuator Position Sensor Circuit High | Bank 2 | f |
| P267E | "B" Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic | Bank 2 | f |
| P267F | ISO/SAE Reserved | | |
| P2680 | Coolant Degassing Valve Control Circuit High | | |
| P2681 | Engine Coolant Bypass Valve Control Circuit/Open | | |
| P2682 | Engine Coolant Bypass Valve Control Circuit Low | | |
| P2683 | Engine Coolant Bypass Valve Control Circuit High | | |
| P2684 | Actuator Supply Voltage "C" Circuit/Open | | |
| P2685 | Actuator Supply Voltage "C" Circuit Low | | |
| P2686 | Actuator Supply Voltage "C" Circuit High | | |
| P2687 | Fuel Supply Heater Control Circuit/Open | | |
| P2688 | Fuel Supply Heater Control Circuit Low | | |
| P2689 | Fuel Supply Heater Control Circuit High | | |
| P268A | Fuel Injector Calibration Not Learned/Programmed | | |
| P268B | High Pressure Fuel Pump Calibration Not Learned/Programmed | | |
| P268C | Cylinder 1 Injector Data Incompatible | | |
| P268D | Cylinder 2 Injector Data Incompatible | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|-----------|
| P268E | Cylinder 3 Injector Data Incompatible | | |
| P268F | Cylinder 4 Injector Data Incompatible | | |
| P2690 | Cylinder 5 Injector Data Incompatible | | |
| P2691 | Cylinder 6 Injector Data Incompatible | | |
| P2692 | Cylinder 7 Injector Data Incompatible | | |
| P2693 | Cylinder 8 Injector Data Incompatible | | |
| P2694 | Cylinder 9 Injector Data Incompatible | | |
| P2695 | Cylinder 10 Injector Data Incompatible | | |
| P2696 | Injector Data Incompatible | | |
| P2697 | Exhaust Aftertreatment Fuel Injector "A" Circuit/Open | | |
| P2698 | Exhaust Aftertreatment Fuel Injector "A" Performance | | |
| P2699 | Exhaust Aftertreatment Fuel Injector "A" Circuit Low | | |
| P269A | Exhaust Aftertreatment Fuel Injector "A" Circuit High | | |
| P269B | Exhaust Aftertreatment Glow Plug Control Circuit/Open | | |
| P269C | Exhaust Aftertreatment Glow Plug Control Performance | | |
| P269D | Exhaust Aftertreatment Glow Plug Control Circuit Low | | |
| P269E | Exhaust Aftertreatment Glow Plug Control Circuit High | | |
| P269F | Exhaust Aftertreatment Glow Plug Circuit/Open | | |
| P26A0 | Exhaust Aftertreatment Glow Plug Performance | | |
| P26A1 | Exhaust Aftertreatment Glow Plug Circuit Low | | |
| P26A2 | Exhaust Aftertreatment Glow Plug Circuit High | | |
| P26A3 – P26FF | ISO/SAE Reserved | | |

- 7) For DTCs P2604 P2609 also see P0540 P0543
- e) The "A" rocker arm actuator shall be either the "intake," "left," or "front" rocker arm actuator. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank. Where only one rocker arm actuator is used for both conditions "A" and "B", use the DTCs for "A".
- f) The "B" rocker arm actuator shall be either the "exhaust," "right," or "rear" rocker arm actuator. Left/Right and Front/Rear are determined as if viewed from the driver's seating position. Bank 1 contains cylinder number one, Bank 2 is the opposite bank. Where only one rocker arm actuator is used for both conditions "A" and "B", use the DTCs for "A".

TABLE D25 - P27XX TRANSMISSION

| DTC Number | DTC Naming | Location | Foot Note |
|-------------------|--|----------|-----------|
| P2700 | Transmission Friction Element "A" Apply Time Range/Performance | | |
| P2701 | Transmission Friction Element "B" Apply Time Range/Performance | | |
| P2702 | Transmission Friction Element "C" Apply Time Range/Performance | | |
| P2703 | Transmission Friction Element "D" Apply Time Range/Performance | | |
| P2704 | Transmission Friction Element "E" Apply Time Range/Performance | | |
| P2705 | Transmission Friction Element "F" Apply Time Range/Performance | | |
| P2706 | Shift Solenoid "F" | | |
| P2707 | Shift Solenoid "F" Performance/Stuck Off | | |
| P2708 | Shift Solenoid "F" Stuck On | | |
| P2709 | Shift Solenoid "F" Electrical | | |
| P270A | ISO/SAE Reserved | | |
| P270B | ISO/SAE Reserved | | |
| P270C | ISO/SAE Reserved | | |
| P270D | ISO/SAE Reserved | | |
| P270E | ISO/SAE Reserved | | |
| P270F | ISO/SAE Reserved | | |
| P2710 | Shift Solenoid "F" Intermittent | | |
| P2711 | Unexpected Mechanical Gear Disengagement | | |
| P2712 | Hydraulic Power Unit Leakage | | |
| P2713 | Pressure Control Solenoid "D" | | |
| | | | |

| P27114 Pressure Control Solenoid "D" Performance/Stuck Off P2715 Pressure Control Solenoid "D" Electrical P2717 Pressure Control Solenoid "D" Electrical P2717 Pressure Control Solenoid "D" Control Circuit/Open P2719 Pressure Control Solenoid "D" Control Circuit Range/Performance P2711 Pressure Control Solenoid "D" Control Circuit Range/Performance P2712 Pressure Control Solenoid "D" Control Circuit Range/Performance P2713 ISO/SAE Reserved P2716 ISO/SAE Reserved P2710 ISO/SAE Reserved P2711 ISO/SAE Reserved P2711 ISO/SAE Reserved P2712 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2723 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Electrical P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Control Circuit Low P2727 Pressure Control Solenoid "E" Control Circuit Low P2728 Pressure Control Solenoid "E" Control Circuit Low P2729 Pressure Control Solenoid "E" Control Circuit Reserved P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 Pressure Control Solenoid "E" Control Circuit Low P2721 SO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 Pressure Control Solenoid "E" Control Circuit Low P2724 ISO/SAE Reserved P2725 ISO/SAE Reserved P2726 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Performance/Stuck Off P2734 Pressure Control Solenoid "F" Ferformance/Stuck Off P2735 Pressure Control Solenoid "F" Ferformance/Stuck Off P2736 Pressure Control Solenoid "F" Stuck On P2737 Pressure Control Solenoid "F" Ferformance/Stuck Off P2738 Pressure Control Solenoid "F" Ferformance/Stuck Off P2739 Pressure Control Solenoid "F" Control Circuit High | DTC Number | DTC Naming | Location | Foot Note |
|--|------------|--|----------|------------|
| P2715 Pressure Control Solenoid "D" Electrical P2717 Pressure Control Solenoid "D" Electrical P2718 Pressure Control Solenoid "D" Control Circuit/Open P2719 Pressure Control Solenoid "D" Control Circuit Range/Performance P2714 ISO/SAE Reserved P2716 ISO/SAE Reserved P2717 ISO/SAE Reserved P2717 ISO/SAE Reserved P2718 ISO/SAE Reserved P2719 ISO/SAE Reserved P2719 ISO/SAE Reserved P2710 ISO/SAE Reserved P2711 ISO/SAE Reserved P2711 ISO/SAE Reserved P2712 ISO/SAE Reserved P2712 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2723 Pressure Control Solenoid "E" Stuck On P2724 Pressure Control Solenoid "E" Electrical P2725 Pressure Control Solenoid "E" Intermittent P2726 Pressure Control Solenoid "E" Control Circuit Low P2727 Pressure Control Solenoid "E" Control Circuit Low P2728 Pressure Control Solenoid "E" Control Circuit Low P2729 Pressure Control Solenoid "E" Control Circuit Low P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 Pressure Control Solenoid "E" Control Circuit Low P2721 Pressure Control Solenoid "E" Control Circuit Low P2722 Pressure Control Solenoid "E" Control Circuit Low P2723 Pressure Control Solenoid "E" Control Circuit Low P2724 ISO/SAE Reserved P2726 ISO/SAE Reserved P2727 Pressure Control Solenoid "E" Control Circuit High P2727 Pressure Control Solenoid "F" Intermittent P2728 Pressure Control Solenoid "F" Performance/Stuck Off P2739 Pressure Control Solenoid "F" Dentrol Circuit High P2730 Pressure Control Solenoid "F" Dentrol Circuit High P2731 Pressure Control Solenoid "F" Dentrol Circuit High P2732 Pressure Control Solenoid "F" Control Circuit High P2733 Pressure Control Solenoid "F" Control Circuit High P2734 Transmission Fiction Element "H" Apply Time Range/Performance P2735 Pressure Control Solenoid "F" Control Circuit High P2736 Transmission Fluid Temperature Sensor "B" Circuit High P2737 Transmission Fluid Temperature Sensor "B" Circuit High P2738 Transmis | | | Location | 1 OUL NOLE |
| P2716 Pressure Control Solenoid "D" Intentitent P2718 Pressure Control Solenoid "D" Intentitent P2719 Pressure Control Solenoid "D" Intentitent P2719 Pressure Control Solenoid "D" Control Circuit/Open P2710 Pressure Control Solenoid "D" Control Circuit Range/Performance P2711 ISO/SAE Reserved P2711 ISO/SAE Reserved P2712 ISO/SAE Reserved P2715 ISO/SAE Reserved P2716 ISO/SAE Reserved P2717 ISO/SAE Reserved P2717 ISO/SAE Reserved P2718 PRESSURE Control Solenoid "D" Control Circuit Low P2720 Pressure Control Solenoid "D" Control Circuit High P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Internitient P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Control Circuit Mange/Performance P2727 Pressure Control Solenoid "E" Control Circuit Low P2728 Pressure Control Solenoid "E" Control Circuit Low P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 Pressure Control Solenoid "E" Control Circuit Low P2721 SO/SAE Reserved P2722 ISO/SAE Reserved P2723 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "E" Control Circuit High P2733 Pressure Control Solenoid "E" Electrical P2736 Pressure Control Solenoid "E" Ferformance/Stuck Off P2737 Pressure Control Solenoid "E" Ferformance/Stuck Off P2738 Pressure Control Solenoid "E" Control Circuit High P2739 Pressure Control Solenoid "E" Control Circuit Low P2730 Pressure Control Solenoid "E" Control Circuit Low P2731 Transmission Fittid Temperature Sensor "B" Circuit Low P2732 Transmission Fittid Temperature Sensor "B" Circuit High P2744 Transmission Fittid Temperature Sensor "B" Circuit High P2744 Transmission Fittid Temperature Sensor "B" Circuit Hig | | | | |
| P2217 Pressure Control Solenoid "D" Control Circuit/Open P2719 Pressure Control Solenoid "D" Control Circuit/Open P2714 ISO/SAE Reserved P2716 ISO/SAE Reserved P2717 ISO/SAE Reserved P2717 ISO/SAE Reserved P2718 ISO/SAE Reserved P2719 ISO/SAE Reserved P2719 Pressure Control Solenoid "D" Control Circuit Low P2719 Pressure Control Solenoid "D" Control Circuit Low P2720 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit Low P2722 Pressure Control Solenoid "D" Control Circuit High P2723 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Electrical P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Control Circuit Low P2727 Pressure Control Solenoid "E" Control Circuit Reserved P2728 Pressure Control Solenoid "E" Control Circuit Reserved P2729 Pressure Control Solenoid "E" Control Circuit Reserved P2729 Pressure Control Solenoid "E" Control Circuit Low P2729 Pressure Control Solenoid "E" Control Circuit Reserved P2720 ISO/SAE Reserved P2720 ISO/SAE Reserved P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 Pressure Control Solenoid "E" Control Circuit High P2730 Pressure Control Solenoid "E" Performance/Stuck Off P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Performance/Stuck Off P2734 Pressure Control Solenoid "F" Performance/Stuck Off P2735 Pressure Control Solenoid "F" Deterrical P2736 Pressure Control Solenoid "F" Control Circuit High P2737 Pressure Control Solenoid "F" Control Circuit High P2738 Pressure Control Solenoid "F" Control Circuit High P2739 Pressure Control Solenoid "F" Control Circuit High P2739 Pressure Control Solenoid "F" Control Circuit High P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Transmission Fricit Element "G" Apply Time Range/Performance P2737 Transmission Fiction Element "G" Apply Time Range/Performance P2738 Transmission Fiction Element "G" App | | | | |
| P2718 Pressure Control Solenoid "D" Control Circuit/Open P2719 Pressure Control Solenoid "D" Control Circuit Range/Performance P2711 ISO/SAE Reserved P2711 ISO/SAE Reserved P2711 ISO/SAE Reserved P2712 ISO/SAE Reserved P2715 ISO/SAE Reserved P2716 ISO/SAE Reserved P2717 ISO/SAE Reserved P2717 ISO/SAE Reserved P2718 ISO/SAE Reserved P2719 Pressure Control Solenoid "D" Control Circuit Low P2720 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Electrical P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Control Circuit/Open P2727 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 ISO/SAE Reserved P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 Pressure Control Solenoid "E" Control Circuit High P2730 Pressure Control Solenoid "E" Performance/Stuck Off P2733 Pressure Control Solenoid "E" Performance/Stuck Off P2734 Pressure Control Solenoid "F" Performance/Stuck Off P2735 Pressure Control Solenoid "F" Ferformance/Stuck Off P2736 Pressure Control Solenoid "F" Ferformance/Stuck Off P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2739 Pressure Control Solenoid "F" Control Circuit Low P2730 Transmission Fricid Element "G" Apply Time Range/Performance P2731 Transmission Fiction Element "F" Control Circuit High P2732 Transmission Fiction Element "G" C | | | | |
| P2219 Pressure Control Solenoid "D" Control Circuit Range/Performance P271B ISO/SAE Reserved P271C ISO/SAE Reserved P271C ISO/SAE Reserved P271E ISO/SAE Reserved P271E ISO/SAE Reserved P271E ISO/SAE Reserved P271C P271C Pressure Control Solenoid "D" Control Circuit Low P2720 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "E" Performance/Stuck Off P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Performance/Stuck Off P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Control Circuit Low P2727 Pressure Control Solenoid "E" Control Circuit Popen P2728 Pressure Control Solenoid "E" Control Circuit Popen P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2720 Pressure Control Solenoid "E" Control Circuit Range/Performance P2721 P272 P3 P3 P3 P3 P4 | | | | |
| P271A ISO/SAE Reserved P271C ISO/SAE Reserved P271D ISO/SAE Reserved P271D ISO/SAE Reserved P271F ISO/SAE Reserved P271F ISO/SAE Reserved P271F ISO/SAE Reserved P271P ISO/SAE Reserved P271P ISO/SAE Reserved P271P P720P P72 | | • | | |
| P271B ISO/SAE Reserved P271C ISO/SAE Reserved P271E ISO/SAE Reserved P271E ISO/SAE Reserved P271E ISO/SAE Reserved P271E ISO/SAE Reserved P2720 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2723 Pressure Control Solenoid "E" Electrical P2724 Pressure Control Solenoid "E" Electrical P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Control Circuit Amage/Performance P2727 Pressure Control Solenoid "E" Control Circuit Range/Performance P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 ISO/SAE Reserved P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Electrical P2736 Pressure Control Solenoid "F" Electrical P2737 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Electrical P2736 Pressure Control Solenoid "F" Electrical P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Range/Performance P2739 Transmission Friction Element "H" Apply Time Range/Performance P2739 Transmission Friction Element "H" Apply Time Range/Performance P2731 Transmission Ficial Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P27 | | • | | |
| P271C ISO/SAE Reserved P271F ISO/SAE Reserved P271F ISO/SAE Reserved P271F ISO/SAE Reserved P2717 Pressure Control Solenoid "D" Control Circuit Low P2720 Pressure Control Solenoid "E" P2721 Pressure Control Solenoid "E" P2722 Pressure Control Solenoid "E" P2723 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Stuck On P2725 Pressure Control Solenoid "E" Stuck On P2726 Pressure Control Solenoid "E" Eductrical P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit/Open P2729 Pressure Control Solenoid "E" Control Circuit Low P2729 Pressure Control Solenoid "E" Control Circuit Low P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 ISO/SAE Reserved P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Control Circuit High P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Performance/Stuck Off P2735 Pressure Control Solenoid "F" Control Circuit High P2736 Pressure Control Solenoid "F" Control Circuit Range/Performance P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Range/Performance P2739 Pressure Control Solenoid "F" Control Circuit Range/Performance P2730 Pressure Control Solenoid "F" Control Circuit Low P2731 Pressure Control Solenoid "F" Control Circuit Range/Performance P2733 Pressure Control Solenoid "F" Control Circuit Low P2734 Transmission Friction Element "G" Apply Time Range/Performance P2735 Pressure Control Solenoid "F" Control Circuit Low P2736 P2737 Transmission Fiction Element "G" Apply Time Range/Performance P2738 Transmission Fiction Element "G" Apply Time Range/Performance P2739 ISO/SAE Reserved P2731 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermedi | | | | |
| P271D ISO/SAE Reserved P271F ISO/SAE Reserved P271F ISO/SAE Reserved P2710 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" P2723 Pressure Control Solenoid "E" P2724 Pressure Control Solenoid "E" Stuck On P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Electrical P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 Pressure Control Solenoid "E" Control Circuit Low P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 ISO/SAE Reserved P2724 ISO/SAE Reserved P2725 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Electrical P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Intermittent P2737 Pressure Control Solenoid "F" Intermittent P2738 Pressure Control Solenoid "F" Intermittent P2739 Pressure Control Solenoid "F" Intermittent P2730 Pressure Control Solenoid "F" Intermittent P2731 Pressure Control Solenoid "F" Intermittent P2732 Pressure Control Solenoid "F" Intermittent P2733 Pressure Control Solenoid "F" Intermittent P2734 Pressure Control Solenoid "F" Intermittent P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Intermittent P2737 Pressure Control Solenoid "F" Intermittent P2738 Transmission Friction Element "G" Apply Time Range/Performance P2739 Transmission Friction Element "G" Apply Time Range/Performance P2736 Pressure Control Solenoid "F" Control Circuit Range/Performance P2737 Transmission Fluid Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit Hi | | | | |
| P271E ISO/SAE Reserved P2720 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2723 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Electrical P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Intermittent P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit/Open P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 P2720 P2721 P2722 P2723 P2723 P2724 P2724 P2725 P2724 P2725 P2726 P2726 P2727 P2727 P2727 P2727 P2727 P2727 P2727 P2728 P2729 P | | | | |
| P271F ISO/SAE Reserved P2720 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" P2723 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Stuck On P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Control Circuit/Open P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2720 Pressure Control Solenoid "E" Control Circuit Range/Performance P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 ISO/SAE Reserved P2725 ISO/SAE Reserved P2726 ISO/SAE Reserved P2727 ISO/SAE Reserved P2727 ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Control Circuit High P2732 Pressure Control Solenoid "F" Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Stuck On P2735 Pressure Control Solenoid "F" Control Circuit/Open P2736 Pressure Control Solenoid "F" Control Circuit Range/Performance P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Range/Performance P2739 Pressure Control Solenoid "F" Control Circuit Range/Performance P2730 Transmission Fiction Element "G" Apply Time Range/Performance P2731 Transmission Fiction Element "H" Apply Time Range/Performance P2732 ISO/SAE Reserved P2734 Transmission Fluid Temperature Sensor "B" Circuit Low P2735 Transmission Fluid Temperature Sensor "B" Circuit Low P2740 Transmission Fluid Temperature Sensor "B" Circuit High P2741 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Spee | | | | |
| P2720 Pressure Control Solenoid "D" Control Circuit Low P2721 Pressure Control Solenoid "E" Performance/Stuck Off P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2723 Pressure Control Solenoid "E" Stuck On P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Electrical P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 P2720 Pressure Control Solenoid "E" Control Circuit Low P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2725 ISO/SAE Reserved P2726 ISO/SAE Reserved P2727 ISO/SAE Reserved P2727 Pressure Control Solenoid "E" Control Circuit High P2730 Pressure Control Solenoid "F" P2731 Pressure Control Solenoid "F" P2732 Pressure Control Solenoid "F" P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Electrical P2736 Pressure Control Solenoid "F" Fortor Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Range/Performance P2739 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit Range/Performance P2730 Pressure Control Solenoid "F" Control Circuit Low P2731 Pressure Control Solenoid "F" Control Circuit Low P2733 Pressure Control Solenoid "F" Control Circuit Low P2734 Transmission Fiction Element "H" Apply Time Range/Performance P2735 Pressure Control Solenoid "F" Control Circuit Low P2736 ISO/SAE Reserved P2737 Transmission Fluid Temperature Sensor "B" Circuit Low P2740 Transmission Fluid Temperature Sensor "B" Circuit Low P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Sha | | | | |
| P2721 Pressure Control Solenoid "D" Control Circuit High P2722 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Stuck On P2725 Pressure Control Solenoid "E" Stuck On P2726 Pressure Control Solenoid "E" Electrical P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit/Open P2729 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P272A ISO/SAE Reserved P272B ISO/SAE Reserved P272C ISO/SAE Reserved P272C ISO/SAE Reserved P272E ISO/SAE Reserved P272F ISO/SAE Reserved P272P ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Stuck On P2733 Pressure Control Solenoid "F" Electrical P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Control Circuit High P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Range/Performance P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Transmission Friction Element "G" Apply Time Range/Performance P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 Transmission Friction Element "G" Apply Time Range/Performance P2736 ISO/SAE Reserved P2737 Transmission Fluid Temperature Sensor "B" Circuit P2740 Transmission Fluid Temperature Sensor "B" Circuit High P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit Low P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2722 Pressure Control Solenoid "E" P2723 Pressure Control Solenoid "E" Performance/Stuck Off P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Electrical P2727 Pressure Control Solenoid "E" Intermittent P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 ISO/SAE Reserved P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 ISO/SAE Reserved P2724 ISO/SAE Reserved P2725 ISO/SAE Reserved P2726 ISO/SAE Reserved P2727 ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "E" Control Circuit High P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Performance/Stuck Off P2734 Pressure Control Solenoid "F" Stuck On P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Range/Performance P2739 Pressure Control Solenoid "F" Control Circuit Range/Performance P2730 Pressure Control Solenoid "F" Control Circuit Range/Performance P2731 Transmission Friction Element "G" Apply Time Range/Performance P2730 Pressure Control Solenoid "F" Control Circuit Low P2731 Transmission Fiction Element "G" Apply Time Range/Performance P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2744 Transmission Fluid Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2723 Pressure Control Solenoid "E" Performance/Stuck Off P2724 Pressure Control Solenoid "E" Stuck On P2725 Pressure Control Solenoid "E" Electrical P2726 Pressure Control Solenoid "E" Intermittent P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P272A ISO/SAE Reserved P272B ISO/SAE Reserved P272C ISO/SAE Reserved P272D ISO/SAE Reserved P272D ISO/SAE Reserved P272TE ISO/SAE Reserved P272F ISO/SAE Reserved P272B ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "E" Performance/Stuck Off P2732 Pressure Control Solenoid "E" Performance/Stuck Off P2733 Pressure Control Solenoid "E" Stuck On P2734 Pressure Control Solenoid "F" Beletrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit Range/Performance P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit Low P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Pressure Control Solenoid "F" Control Circuit Low P2733 Pressure Control Solenoid "F" Control Circuit Low P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P2730 ISO/SAE Reserved P2731 ISO/SAE Reserved P2732 ISO/SAE Reserved P2733 Transmission Friction Element "B" Apply Time Range/Performance P2734 Transmission Fluid Temperature Sensor "B" Circuit" P2744 Transmission Fluid Temperature Sensor "B" Circuit Low P2745 Intermediate Shaft Speed Sensor "B" Circuit Intermittent Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2724 Pressure Control Solenoid "E" Stuck On P2725 Pressure Control Solenoid "E" Intermittent P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P272A ISO/SAE Reserved P272B ISO/SAE Reserved P272C ISO/SAE Reserved P272D ISO/SAE Reserved P272D ISO/SAE Reserved P272T ISO/SAE Reserved P272P ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" P2732 Pressure Control Solenoid "F" P2733 Pressure Control Solenoid "F" P2734 Pressure Control Solenoid "F" Stuck On P2735 Pressure Control Solenoid "F" Stuck On P2736 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit High P2737 Pressure Control Solenoid "F" Control Circuit Page/Performance P2738 Pressure Control Solenoid "F" Control Circuit Page/Performance P2739 Pressure Control Solenoid "F" Control Circuit Range/Performance P2730 Pressure Control Solenoid "F" Control Circuit Low P2731 Pressure Control Solenoid "F" Control Circuit High P2732 Pressure Control Solenoid "F" Control Circuit High P2733 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit Low P2730 Pressure Control Solenoid "F" Control Circuit Low P2731 Transmission Friction Element "H" Apply Time Range/Performance P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 Transmission Fluid Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit Low P2745 Intermediate Shaft Speed Sensor "B" Circuit Intermittent Intermediate Shaft Speed Sensor "B" Circuit Intermittent Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2726 Pressure Control Solenoid "E" Electrical P2727 Pressure Control Solenoid "E" Intermittent P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 Pressure Control Solenoid "E" Control Circuit Low P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 ISO/SAE Reserved P2725 ISO/SAE Reserved P2726 ISO/SAE Reserved P2727 ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Stuck On P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Control Circuit Uppen P2736 Pressure Control Solenoid "F" Control Circuit Range/Performance P2737 Pressure Control Solenoid "F" Control Circuit Low P2738 Pressure Control Solenoid "F" Control Circuit High P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Transmission Friction Element "C" Apply Time Range/Performance P2738 Transmission Friction Element "C" Apply Time Range/Performance P2739 ISO/SAE Reserved P2730 ISO/SAE Reserved P2731 ISO/SAE Reserved P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 Transmission Fluid Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit Low P2745 Intermediate Shaft Speed Sensor "B" Circuit Intermittent Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2726 Pressure Control Solenoid "E" Intermittent P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2720 ISO/SAE Reserved P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2725 ISO/SAE Reserved P2726 ISO/SAE Reserved P2727 ISO/SAE Reserved P2727 ISO/SAE Reserved P2728 P2728 ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "E" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Intermittent P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Transmission Friction Element "G" Apply Time Range/Performance P2738 Transmission Friction Element "G" Apply Time Range/Performance P2739 ISO/SAE Reserved P2730 ISO/SAE Reserved P2731 ISO/SAE Reserved P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2740 Transmission Fluid Temperature Sensor "B" Circuit Low P2741 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Hormittent Intermediate Shaft Speed Sensor "B" Circuit Hange/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2727 Pressure Control Solenoid "E" Control Circuit/Open P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P272A ISO/SAE Reserved P272B ISO/SAE Reserved P272C ISO/SAE Reserved P272C ISO/SAE Reserved P272C ISO/SAE Reserved P272E ISO/SAE Reserved P272E ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Electrical P2734 Pressure Control Solenoid "F" Control Circuit Range/Performance P2735 Pressure Control Solenoid "F" Control Circuit Range/Performance P2736 Pressure Control Solenoid "F" Control Circuit High P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Transmission Friction Element "G" Apply Time Range/Performance P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2735 ISO/SAE Reserved P2736 ISO/SAE Reserved P2737 Transmission Fluid Temperature Sensor "B" Circuit Low P2740 Transmission Fluid Temperature Sensor "B" Circuit Low P2741 Transmission Fluid Temperature Sensor "B" Circuit High P2742 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit High P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance P2729 Pressure Control Solenoid "E" Control Circuit Low P2728 ISO/SAE Reserved P2720 ISO/SAE Reserved P2720 ISO/SAE Reserved P2721 ISO/SAE Reserved P2722 ISO/SAE Reserved P2722 ISO/SAE Reserved P2723 P2730 P2731 P2731 P2731 P2731 P2731 P2731 P2731 P2732 P2732 P2732 P2732 P2733 P2733 P2733 P2733 P2733 P2733 P2733 P2734 P2734 P2735 P2734 P2735 P2735 P2735 P2735 P2735 P2736 P2736 P2737 P2738 P2739 P2730 ISO/SAE Reserved P2730 ISO/SAE Reserved P2731 ISO/SAE Reserved P2732 ISO/SAE Reserved P2733 P2734 P2735 P2735 P2735 P2735 P2736 P2737 P2737 P2737 P2737 P2737 P2738 P2738 P2738 P2738 P2738 P2738 P2739 P2730 P273 | | | | |
| P2729 Pressure Control Solenoid "E" Control Circuit Low P272A ISO/SAE Reserved P272B ISO/SAE Reserved P272C ISO/SAE Reserved P272D ISO/SAE Reserved P272E ISO/SAE Reserved P272E ISO/SAE Reserved P272E ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Electrical P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Low P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Transmission Friction Element "G" Apply Time Range/Performance P2738 Transmission Friction Element "H" Apply Time Range/Performance P2730 ISO/SAE Reserved P2731 ISO/SAE Reserved P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2740 Transmission Fluid Temperature Sensor "B" Circuit High P2741 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | · | | |
| P272A ISO/SAE Reserved P272B ISO/SAE Reserved P272C ISO/SAE Reserved P272C ISO/SAE Reserved P272E ISO/SAE Reserved P272F ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Stuck On P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Intermittent P2737 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit High P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Transmission Friction Element "G" Apply Time Range/Performance P2738 Transmission Friction Element "H" Apply Time Range/Performance P2730 ISO/SAE Reserved P2731 ISO/SAE Reserved P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2740 Transmission Fluid Temperature Sensor "B" Circuit Low P2741 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Low P2745 Intermediate Shaft Speed Sensor "B" Circuit Intermittent Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | - | | |
| P272B ISO/SAE Reserved P272C ISO/SAE Reserved P272D ISO/SAE Reserved P272E ISO/SAE Reserved P272F ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Electrical P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit High P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Pressure Control Solenoid "F" Control Circuit High P2732 Pressure Control Solenoid "F" Control Circuit High P2733 Pressure Control Solenoid "F" Control Circuit High P2734 Transmission Friction Element "H" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273B ISO/SAE Reserved P273C ISO/SAE Reserved P273T ISO/SAE Reserved P273T ISO/SAE Reserved P274T Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2741 Transmission Fluid Temperature Sensor "B" Circuit High P2741 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P272C ISO/SAE Reserved P272D ISO/SAE Reserved P272E ISO/SAE Reserved P272F ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273C ISO/SAE Reserved P273F ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P272E ISO/SAE Reserved P272F ISO/SAE Reserved P273C ISO/SAE Reserved P2731 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" Performance/Stuck Off P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit Low P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P272E ISO/SAE Reserved P273C ISO/SAE Reserved P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit/Open P2738 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273F ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P273C ISO/SAE Reserved P273B Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Electrical P2736 Pressure Control Solenoid "F" Intermittent P2737 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273T ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2730 Pressure Control Solenoid "E" Control Circuit High P2731 Pressure Control Solenoid "F" P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P2730 Pressure Control Solenoid "F" Control Circuit High P2731 Transmission Friction Element "G" Apply Time Range/Performance P2732 ISO/SAE Reserved P2733 ISO/SAE Reserved P2734 ISO/SAE Reserved P2735 ISO/SAE Reserved P2736 ISO/SAE Reserved P2737 ISO/SAE Reserved P2738 ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit Low P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2731 Pressure Control Solenoid "F" P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2742 Transmission Fluid Temperature Sensor "B" Circuit Ligh P2744 Transmission Fluid Temperature Sensor "B" Circuit Ligh P2745 Intermediate Shaft Speed Sensor "B" Circuit Intermittent P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2732 Pressure Control Solenoid "F" Performance/Stuck Off P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Intermittent P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2733 Pressure Control Solenoid "F" Stuck On P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273F ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit High P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2734 Pressure Control Solenoid "F" Electrical P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2735 Pressure Control Solenoid "F" Intermittent P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2742 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2736 Pressure Control Solenoid "F" Control Circuit/Open P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2742 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2742 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | | | |
| P2738 Pressure Control Solenoid "F" Control Circuit Low P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2742 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | · | | |
| P2739 Pressure Control Solenoid "F" Control Circuit High P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Low P2742 Transmission Fluid Temperature Sensor "B" Circuit High P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | - | | |
| P273A Transmission Friction Element "G" Apply Time Range/Performance P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P273B Transmission Friction Element "H" Apply Time Range/Performance P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P273C ISO/SAE Reserved P273D ISO/SAE Reserved P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P273E ISO/SAE Reserved P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | .,,, | | |
| P273E ISO/SAE Reserved P2740 Iso/SAE Reserved P2741 Transmission Fluid Temperature Sensor "B" Circuit P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P273F ISO/SAE Reserved P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2740 Transmission Fluid Temperature Sensor "B" Circuit" P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| P2741 Transmission Fluid Temperature Sensor "B" Circuit Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | | | |
| Range/Performance P2742 Transmission Fluid Temperature Sensor "B" Circuit Low P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2746 Intermediate Shaft Speed Sensor "B" Circuit No Signal | | · | | |
| P2743 Transmission Fluid Temperature Sensor "B" Circuit High P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | P2741 | | | |
| P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent P2745 Intermediate Shaft Speed Sensor "B" Circuit P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | P2742 | | | |
| P2745 Intermediate Shaft Speed Sensor "B" Circuit P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | P2743 | Transmission Fluid Temperature Sensor "B" Circuit High | | |
| P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | P2744 | Transmission Fluid Temperature Sensor "B" Circuit Intermittent | | |
| P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | P2745 | Intermediate Shaft Speed Sensor "B" Circuit | | |
| P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal | P2746 | Intermediate Shaft Speed Sensor "B" Circuit Range/Performance | | |
| P2748 Intermediate Shaft Speed Sensor "B" Circuit Intermittent | P2747 | Intermediate Shaft Speed Sensor "B" Circuit No Signal | | |
| | P2748 | Intermediate Shaft Speed Sensor "B" Circuit Intermittent | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| P2749 | Intermediate Shaft Speed Sensor "C" Circuit | | |
| P274A | ISO/SAE Reserved | | |
| P274B | ISO/SAE Reserved | | |
| P274C | ISO/SAE Reserved | | |
| P274D | ISO/SAE Reserved | | |
| P274E | ISO/SAE Reserved | | |
| P274F | ISO/SAE Reserved | | |
| P2750 | Intermediate Shaft Speed Sensor "C" Circuit Range/Performance | | |
| P2751 | Intermediate Shaft Speed Sensor "C" Circuit No Signal | | |
| P2752 | Intermediate Shaft Speed Sensor "C" Circuit Intermittent | | |
| P2753 | Transmission Fluid Cooler Control Circuit/Open | | |
| P2754 | Transmission Fluid Cooler Control Circuit Low | | |
| P2755 | Transmission Fluid Cooler Control Circuit High | | |
| P2756 | Torque Converter Clutch Pressure Control Solenoid | | |
| P2757 | Torque Converter Clutch Pressure Control Solenoid Control Circuit | | |
| 1 2131 | Performance/Stuck Off | | |
| P2758 | Torque Converter Clutch Pressure Control Solenoid Control Circuit Stuck On | | |
| P2759 | Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical | | |
| P275A | ISO/SAE Reserved | | |
| P275B | ISO/SAE Reserved | | |
| P275C | ISO/SAE Reserved | | |
| P275D | ISO/SAE Reserved | | |
| P275E | ISO/SAE Reserved | | |
| P275F | ISO/SAE Reserved | | |
| P2760 | Torque Converter Clutch Pressure Control Solenoid Control Circuit | | |
| | Intermittent | | |
| P2761 | Torque Converter Clutch Pressure Control Solenoid Control Circuit/Open | | |
| P2762 | Torque Converter Clutch Pressure Control Solenoid Control Circuit Range/Performance | | |
| P2763 | Torque Converter Clutch Pressure Control Solenoid Control Circuit High | | |
| P2764 | Torque Converter Clutch Pressure Control Solenoid Control Circuit Low | | |
| P2765 | Input/Turbine Speed Sensor "B" Circuit | | |
| P2766 | Input/Turbine Speed Sensor "B" Circuit Range/Performance | | |
| P2767 | Input/Turbine Speed Sensor "B" Circuit No Signal | | |
| P2768 | Input/Turbine Speed Sensor "B" Circuit Intermittent | | |
| P2769 | Torque Converter Clutch Circuit Low | | |
| P276A | ISO/SAE Reserved | | |
| P276B | ISO/SAE Reserved | | |
| P276C | ISO/SAE Reserved | | |
| P276D | ISO/SAE Reserved | | |
| P276E | ISO/SAE Reserved | | |
| P276F | ISO/SAE Reserved | | |
| P2770 | Torque Converter Clutch Circuit High | | |
| P2771 | Four Wheel Drive (4WD) Low Switch Circuit | | |
| P2772 | Four Wheel Drive (4WD) Low Switch Circuit Range/Performance | | |
| P2773 | Four Wheel Drive (4WD) Low Switch Circuit Low | | |
| P2774 | Four Wheel Drive (4WD) Low Switch Circuit High | | |
| P2775 | Upshift Switch Circuit Range/Performance | | |
| P2776 | Upshift Switch Circuit Low | | |
| P2777 | Upshift Switch Circuit High | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|------------|
| P2778 | Upshift Switch Circuit Intermittent/Erratic | | 1 oot note |
| P2779 | Downshift Switch Circuit Range/Performance | | |
| P277A | ISO/SAE Reserved | | |
| P277B | ISO/SAE Reserved | | |
| P277C | ISO/SAE Reserved | | |
| P277D | ISO/SAE Reserved | | |
| P277E | ISO/SAE Reserved | | |
| P277F | ISO/SAE Reserved | | |
| P2780 | Downshift Switch Circuit Low | | |
| P2781 | Downshift Switch Circuit High | | |
| P2782 | Downshift Switch Circuit Intermittent/Erratic | | |
| P2783 | Torque Converter Temperature Too High | | |
| P2784 | Input/Turbine Speed Sensor "A"/"B" Correlation | | |
| P2785 | Clutch Actuator Temperature Too High | | |
| P2786 | Gear Shift Actuator Temperature Too High | | |
| P2787 | Clutch Temperature Too High | | |
| P2788 | Auto Shift Manual Adaptive Learning at Limit | | |
| P2789 | Clutch "A" Adaptive Learning at Limit | | |
| P278A | Kick Down Switch Circuit | | |
| P278B | Kick Down Switch Circuit Range/Performance | | |
| P278C | Kick Down Switch Circuit Low | | |
| P278D | Kick Down Switch Circuit High | | |
| P278E | Kick Down Switch Circuit Intermittent/Erratic | | |
| P278F | Clutch "B" Adaptive Learning at Limit | | |
| P2790 | Gate Select Direction Circuit | | |
| P2791 | Gate Select Direction Circuit Low | | |
| P2792 | Gate Select Direction Circuit High | | |
| P2793 | Gear Shift Direction Circuit | | |
| P2794 | Gear Shift Direction Circuit Low | | |
| P2795 | Gear Shift Direction Circuit High | | |
| P2796 | Auxiliary Transmission Fluid Pump Control Circuit/Open | | |
| P2797 | Auxiliary Transmission Fluid Pump Performance | | |
| P2798 | Auxiliary Transmission Fluid Pump Control Circuit Low | | |
| P2799 | Auxiliary Transmission Fluid Pump Control Circuit High | | |
| P279A | Transfer Case Gear High Incorrect Ratio | | |
| P279B | Transfer Case Gear Low Incorrect Ratio | | |
| P279C | Transfer Case Gear Neutral Incorrect Ratio | | |
| P279D | Four Wheel Drive (4WD) Range Signal Circuit | | |
| P279E | Four Wheel Drive (4WD) Range Signal Circuit Range/Performance | | |
| P279F | Four Wheel Drive (4WD) Range Signal Circuit Low | | |
| P27A0 | Four Wheel Drive (4WD) Range Signal Circuit High | | |
| P27A1 – P27FF | ISO/SAE Reserved | | |

TABLE D26 - P28XX TRANSMISSION

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|----------|-----------|
| P2800 | Transmission Range Sensor "B" Circuit (PRNDL Input) | | |
| P2801 | Transmission Range Sensor "B" Circuit Range/Performance | | |
| P2802 | Transmission Range Sensor "B" Circuit Low | | |
| P2803 | Transmission Range Sensor "B" Circuit High | | |
| P2804 | Transmission Range Sensor "B" Circuit Intermittent | | |
| P2805 | Transmission Range Sensor "A"/"B" Correlation | | |
| P2806 | Transmission Range Sensor Alignment | | |
| P2807 | Pressure Control Solenoid "G" | | |
| P2808 | Pressure Control Solenoid "G" Performance/Stuck Off | | |
| P2809 | Pressure Control Solenoid "G" Stuck On | | |
| P280A | Transmission Range Sensor "A" Circuit Not Learned | | |
| P280B | Transmission Range Sensor "B" Circuit Not Learned | | |
| P280C | ISO/SAE Reserved | | |
| P280D | ISO/SAE Reserved | | |
| P280E | ISO/SAE Reserved | | |
| P280F | ISO/SAE Reserved | | |
| P2810 | Pressure Control Solenoid "G" Electrical | | |
| P2811 | Pressure Control Solenoid "G" Intermittent | | |
| P2812 | Pressure Control Solenoid "G" Control Circuit/Open | | |
| P2813 | Pressure Control Solenoid "G" Control Circuit Range/Performance | | |
| P2814 | Pressure Control Solenoid "G" Control Circuit Low | | |
| P2815 | Pressure Control Solenoid "G" Control Circuit High | | |
| P2816 | Pressure Control Solenoid "H" | | |
| P2817 | Pressure Control Solenoid "H" Performance/Stuck Off | | |
| P2818 | Pressure Control Solenoid "H" Stuck On | | |
| P2819 | Pressure Control Solenoid "H" Electrical | | |
| P281A | Pressure Control Solenoid "H" Intermittent | | |
| P281B | Pressure Control Solenoid "H" Control Circuit/Open | | |
| P281C | Pressure Control Solenoid "H" Control Circuit Range/Performance | | |
| P281D | Pressure Control Solenoid "H" Control Circuit Low | | |
| P281E | Pressure Control Solenoid "H" Control Circuit High | | |
| P281F | Pressure Control Solenoid "J" | | |
| P2820 | Pressure Control Solenoid "J" Performance/Stuck Off | | |
| P2821 | Pressure Control Solenoid "J" Stuck On | | |
| P2822 | Pressure Control Solenoid "J" Electrical | | |
| P2823 | Pressure Control Solenoid "J" Intermittent | | |
| P2824 | Pressure Control Solenoid "J" Control Circuit/Open | | |
| P2825 | Pressure Control Solenoid "J" Control Circuit Range/Performance | | |
| P2826 | Pressure Control Solenoid "J" Control Circuit Kange/r enormance | | |
| P2827 | Pressure Control Solenoid "J" Control Circuit Low Pressure Control Solenoid "J" Control Circuit High | | |
| P2828 | Pressure Control Solenoid "K" | | |
| P2829 | Pressure Control Solenoid "K" Performance/Stuck Off | | |
| P282A | Pressure Control Solenoid "K" Stuck On | | |
| P282B | Pressure Control Solenoid "K" Electrical | | |
| P282C | Pressure Control Solenoid "K" Intermittent | | |
| P282C P282D | | | |
| | Pressure Control Solenoid "K" Control Circuit/Open | | |
| P282E | Pressure Control Solenoid "K" Control Circuit Range/Performance | | |
| P282F | Pressure Control Solenoid "K" Control Circuit Low | | |
| P2830 P2831 | Pressure Control Solenoid "K" Control Circuit High Shift Fork "A" Position Circuit | | |
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| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|-----------|
| P2832 | Shift Fork "A" Position Circuit Range/Performance | | |
| P2833 | Shift Fork "A" Position Circuit Low | | |
| P2834 | Shift Fork "A" Position Circuit High | | |
| P2835 | Shift Fork "A" Position Circuit Intermittent | | |
| P2836 | Shift Fork "B" Position Circuit | | |
| P2837 | Shift Fork "B" Position Circuit Range/Performance | | |
| P2838 | Shift Fork "B" Position Circuit Low | | |
| P2839 | Shift Fork "B" Position Circuit High | | |
| P283A | Shift Fork "B" Position Circuit Intermittent | | |
| P283B | Shift Fork "C" Position Circuit | | |
| P283C | Shift Fork "C" Position Circuit Range/Performance | | |
| P283D | Shift Fork "C" Position Circuit Low | | |
| P283E | Shift Fork "C" Position Circuit High | | |
| P283F | Shift Fork "C" Position Circuit Intermittent | | |
| P2840 | Shift Fork "D" Position Circuit | | |
| P2841 | Shift Fork "D" Position Circuit Range/Performance | | |
| P2842 | Shift Fork "D" Position Circuit Low | | |
| P2843 | Shift Fork "D" Position Circuit High | | |
| P2844 | Shift Fork "D" Position Circuit Intermittent | | |
| P2845 | Shift Fork "A" Position Sensor Incorrect Neutral Position Indicated | | |
| P2846 | Shift Fork "B" Position Sensor Incorrect Neutral Position Indicated | | |
| P2847 | Shift Fork "C" Position Sensor Incorrect Neutral Position Indicated | | |
| P2848 | Shift Fork "D" Position Sensor Incorrect Neutral Position Indicated | | |
| P2849 | Shift Fork "A" Stuck | | |
| P284A | Shift Fork "B" Stuck | | |
| P284B | Shift Fork "C" Stuck | | |
| P284C | Shift Fork "D" Stuck | | |
| P284D | Shift Fork "A" Unrequested Movement | | |
| P284E | Shift Fork "B" Unrequested Movement | | |
| P284F | Shift Fork "C" Unrequested Movement | | |
| P2850 | Shift Fork "D" Unrequested Movement | | |
| P2851 | Shift Fork Position Sensor "A"/"B" Correlation | | |
| P2852 | Shift Fork Position Sensor "C"/"D" Correlation | | |
| P2853 | Clutch "A" Pressure Discharge Performance | | |
| P2854 | Clutch "B" Pressure Discharge Performance | | |
| P2855 | Clutch "A" Pressure Charge Performance | | |
| P2856 | Clutch "B" Pressure Charge Performance | | |
| P2857 | Clutch "A" Pressure Engagement Performance | | |
| P2858 | Clutch "B" Pressure Engagement Performance | | |
| P2859 | Clutch "A" Pressure Disengagement Performance | | |
| P285A | Clutch "B" Pressure Disengagement Performance | | |
| P285B – P28FF | ISO/SAE Reserved | | |

TABLE D27 - P29XX TRANSMISSION (ISO/SAE RESERVED)

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P2900 | ISO/SAE Reserved | | |

TABLE D28 - P2AXX FUEL AND AIR METERING AND AUXILIARY EMISSION CONTROLS

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|-------------------------------------|-----------------|-----------|
| P2A00 | O2 Sensor Circuit Range/Performance | Bank 1 Sensor 1 | |
| P2A01 | O2 Sensor Circuit Range/Performance | Bank 1 Sensor 2 | |
| P2A02 | O2 Sensor Circuit Range/Performance | Bank 1 Sensor 3 | |
| P2A03 | O2 Sensor Circuit Range/Performance | Bank 2 Sensor 1 | |
| P2A04 | O2 Sensor Circuit Range/Performance | Bank 2 Sensor 2 | |
| P2A05 | O2 Sensor Circuit Range/Performance | Bank 2 Sensor 3 | |
| P2A06 | O2 Sensor Negative Voltage | Bank 1 Sensor 1 | |
| P2A07 | O2 Sensor Negative Voltage | Bank 1 Sensor 2 | |
| P2A08 | O2 Sensor Negative Voltage | Bank 1 Sensor 3 | |
| P2A09 | O2 Sensor Negative Voltage | Bank 2 Sensor 1 | |
| P2A0A | ISO/SAE Reserved | | |
| P2A0B | ISO/SAE Reserved | | |
| P2A0C | ISO/SAE Reserved | | |
| P2A0D | ISO/SAE Reserved | | |
| P2A0E | ISO/SAE Reserved | | |
| P2A0F | ISO/SAE Reserved | | |
| P2A10 | O2 Sensor Negative Voltage | Bank 2 Sensor 2 | |
| P2A11 | O2 Sensor Negative Voltage | Bank 2 Sensor 3 | |
| P2A12 – P2AFF | ISO/SAE Reserved | | |

TABLE D29 - P2BXX FUEL AND AIR METERING AND AUXILIARY EMISSION CONTROLS

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| P2B00 - P2BA6 | ISO/SAE Reserved | | |
| P2BA7 | NOx Exceedence - Empty Reagent Tank | | Į. |
| P2BA8 | NOx Exceedence - Interruption of Reagent Dosing Activity | | į |
| P2BA9 | NOx Exceedence - Insufficient Reagent Quality | | Ź |
| P2BAA | NOx Exceedence - Low Reagent Consumption | | ļ |
| P2BAB | NOx Exceedence - Incorrect EGR Flow | | |
| P2BAC | NOx Exceedence - Deactivation of EGR | | |
| P2BAD | NOx Exceedence - Root Cause Unknown | | |
| P2BAE | NOx Exceedence - NOx control monitoring system | | Î |
| P2BAF – P2BFF | ISO/SAE Reserved | | |

TABLE D30 - P2CXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P2C00 | ISO/SAE Reserved | | |

TABLE D31 - P2DXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P2D00 | ISO/SAE Reserved | | |

TABLE D32 - P2EXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P2E00 | ISO/SAE Reserved | | |

TABLE D33 - P2FXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P2F00 | ISO/SAE Reserved | | |

TABLE D34 - P30XX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| P3000 | Manufacturer Controlled DTC | | |

TABLE D35 - P31XX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| P3100 | Manufacturer Controlled DTC | | |
| | | | Į. |

TABLE D36 - P32XX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| P3200 | Manufacturer Controlled DTC | | |
| | | | 4 |

TABLE D37 - P33XX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| P3300 | Manufacturer Controlled DTC | | |

TABLE D38 - P34XX CYLINDER DEACTIVATION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| P3400 | Cylinder Deactivation System | Bank 1 | |
| P3401 | Cylinder 1 Deactivation/Intake Valve Control Circuit/Open | | |
| P3402 | Cylinder 1 Deactivation/Intake Valve Control Circuit Performance | | |
| P3403 | Cylinder 1 Deactivation/Intake Valve Control Circuit Low | | |
| P3404 | Cylinder 1 Deactivation/Intake Valve Control Circuit High | | |
| P3405 | Cylinder 1 Exhaust Valve Control Circuit/Open | | |
| P3406 | Cylinder 1 Exhaust Valve Control Circuit Performance | | |
| P3407 | Cylinder 1 Exhaust Valve Control Circuit Low | | |
| P3408 | Cylinder 1 Exhaust Valve Control Circuit High | | |
| P3409 | Cylinder 2 Deactivation/Intake Valve Control Circuit/Open | | |
| P340A | ISO/SAE Reserved | | |
| P340B | ISO/SAE Reserved | | |
| P340C | ISO/SAE Reserved | | |
| P340D | ISO/SAE Reserved | | |
| P340E | ISO/SAE Reserved | | |
| P340F | ISO/SAE Reserved | | |
| P3410 | Cylinder 2 Deactivation/Intake Valve Control Circuit Performance | | |
| P3411 | Cylinder 2 Deactivation/Intake Valve Control Circuit Low | | |
| P3412 | Cylinder 2 Deactivation/Intake Valve Control Circuit High | | |
| P3413 | Cylinder 2 Exhaust Valve Control Circuit/Open | | |
| P3414 | Cylinder 2 Exhaust Valve Control Circuit Performance | | |
| P3415 | Cylinder 2 Exhaust Valve Control Circuit Low | | |
| P3416 | Cylinder 2 Exhaust Valve Control Circuit High | | |
| P3417 | Cylinder 3 Deactivation/Intake Valve Control Circuit/Open | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|--|----------|-----------|
| P3418 | Cylinder 3 Deactivation/Intake Valve Control Circuit Performance | | |
| P3419 | Cylinder 3 Deactivation/Intake Valve Control Circuit Low | | |
| P341A | ISO/SAE Reserved | | |
| P341B | ISO/SAE Reserved | | |
| P341C | ISO/SAE Reserved | | |
| P341D | ISO/SAE Reserved | | |
| P341E | ISO/SAE Reserved | | |
| P341F | ISO/SAE Reserved | | |
| P3420 | Cylinder 3 Deactivation/Intake Valve Control Circuit High | | |
| P3421 | Cylinder 3 Exhaust Valve Control Circuit/Open | | |
| P3422 | Cylinder 3 Exhaust Valve Control Circuit Performance | | |
| P3423 | Cylinder 3 Exhaust Valve Control Circuit Feriormance | | |
| P3423 P3424 | · | | |
| | Cylinder 4 Deagtivation/Intake Valve Central Circuit/Open | | |
| P3425 | Cylinder 4 Deactivation/Intake Valve Control Circuit/Open | | |
| P3426 | Cylinder 4 Deactivation/Intake Valve Control Circuit Performance | | |
| P3427 | Cylinder 4 Deactivation/Intake Valve Control Circuit Low | | |
| P3428 | Cylinder 4 Deactivation/Intake Valve Control Circuit High | | |
| P3429 | Cylinder 4 Exhaust Valve Control Circuit/Open | | |
| P342A | ISO/SAE Reserved | | |
| P342B | ISO/SAE Reserved | | |
| P342C | ISO/SAE Reserved | | |
| P342D | ISO/SAE Reserved | | |
| P342É | ISO/SAE Reserved | | |
| P342F | ISO/SAE Reserved | | |
| P3430 | Cylinder 4 Exhaust Valve Control Circuit Performance | | |
| P3431 | Cylinder 4 Exhaust Valve Control Circuit Low | | |
| P3432 | Cylinder 4 Exhaust Valve Control Circuit High | | |
| P3433 | Cylinder 5 Deactivation/Intake Valve Control Circuit/Open | | |
| P3434 | Cylinder 5 Deactivation/Intake Valve Control Circuit Performance | | |
| P3435 | Cylinder 5 Deactivation/Intake Valve Control Circuit Low | | |
| P3436 | Cylinder 5 Deactivation/Intake Valve Control Circuit High | | |
| P3437 | Cylinder 5 Exhaust Valve Control Circuit/Open | | |
| P3438 | Cylinder 5 Exhaust Valve Control Circuit Performance | | |
| P3439 | Cylinder 5 Exhaust Valve Control Circuit Low | | |
| P343A | ISO/SAE Reserved | | |
| P343B | ISO/SAE Reserved | | |
| P343C | ISO/SAE Reserved | | |
| P343D | ISO/SAE Reserved | | |
| P343E | ISO/SAE Reserved | | |
| P343F | ISO/SAE Reserved | | |
| P3440 | Cylinder 5 Exhaust Valve Control Circuit High | | |
| P3441 | Cylinder 6 Deactivation/Intake Valve Control Circuit/Open | | |
| P3442 | Cylinder 6 Deactivation/Intake Valve Control Circuit Performance | | |
| P3443 | Cylinder 6 Deactivation/Intake Valve Control Circuit Low | | |
| P3444 | Cylinder 6 Deactivation/Intake Valve Control Circuit High | | |
| P3445 | Cylinder 6 Exhaust Valve Control Circuit/Open | | |
| P3446 | Cylinder 6 Exhaust Valve Control Circuit Performance | | |
| P3447 | Cylinder 6 Exhaust Valve Control Circuit Low | | |
| P3448 | Cylinder 6 Exhaust Valve Control Circuit High | | |
| P3449 | Cylinder 7 Deactivation/Intake Valve Control Circuit/Open | | |
| P344A | ISO/SAE Reserved | | |
| P344B | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-------------|
| P344C | ISO/SAE Reserved | | 1 001 11010 |
| P344D | ISO/SAE Reserved | | |
| P344E | ISO/SAF Reserved | | |
| P344F | ISO/SAE Reserved | | |
| P3450 | Cylinder 7 Deactivation/Intake Valve Control Circuit Performance | | |
| P3451 | Cylinder 7 Deactivation/Intake Valve Control Circuit Low | | |
| P3452 | Cylinder 7 Deactivation/Intake Valve Control Circuit High | | |
| P3453 | Cylinder 7 Exhaust Valve Control Circuit/Open | | |
| P3454 | Cylinder 7 Exhaust Valve Control Circuit Performance | | |
| P3455 | Cylinder 7 Exhaust Valve Control Circuit Low | | |
| P3456 | Cylinder 7 Exhaust Valve Control Circuit High | | |
| P3457 | Cylinder 8 Deactivation/Intake Valve Control Circuit/Open | | |
| P3458 | Cylinder 8 Deactivation/Intake Valve Control Circuit Performance | | |
| P3459 | Cylinder 8 Deactivation/Intake Valve Control Circuit Low | | |
| P345A | ISO/SAE Reserved | | |
| P345B | ISO/SAE Reserved | | |
| P345C | ISO/SAE Reserved | | |
| P345D | ISO/SAE Reserved | | |
| P345E | ISO/SAE Reserved | | |
| P345F | ISO/SAE Reserved | | |
| P3460 | Cylinder 8 Deactivation/Intake Valve Control Circuit High | | |
| P3461 | Cylinder 8 Exhaust Valve Control Circuit/Open | | |
| P3462 | Cylinder 8 Exhaust Valve Control Circuit Performance | | |
| P3463 | Cylinder 8 Exhaust Valve Control Circuit Ferformance Cylinder 8 Exhaust Valve Control Circuit Low | | |
| P3464 | Cylinder 8 Exhaust Valve Control Circuit Low Cylinder 8 Exhaust Valve Control Circuit High | | |
| P3465 | Cylinder 9 Deactivation/Intake Valve Control Circuit/Open | | |
| P3466 | Cylinder 9 Deactivation/Intake Valve Control Circuit Performance | | |
| P3467 | Cylinder 9 Deactivation/Intake Valve Control Circuit Low | | |
| P3468 | Cylinder 9 Deactivation/Intake Valve Control Circuit Low Cylinder 9 Deactivation/Intake Valve Control Circuit High | | |
| P3469 | Cylinder 9 Exhaust Valve Control Circuit/Open | | |
| P346A | ISO/SAE Reserved | | |
| P346B | ISO/SAE Reserved | | |
| P346C | ISO/SAE Reserved | | |
| P346D | ISO/SAE Reserved | | |
| P346E | ISO/SAE Reserved | | |
| P346F | ISO/SAE Reserved | | |
| P3470 | Cylinder 9 Exhaust Valve Control Circuit Performance | | |
| P3471 | Cylinder 9 Exhaust Valve Control Circuit Low | | |
| P3472 | Cylinder 9 Exhaust Valve Control Circuit High | | |
| P3473 | Cylinder 10 Deactivation/Intake Valve Control Circuit/Open | | |
| P3474 | Cylinder 10 Deactivation/Intake Valve Control Circuit Performance | | |
| P3475 | Cylinder 10 Deactivation/Intake Valve Control Circuit Low | | |
| P3476 | Cylinder 10 Deactivation/Intake Valve Control Circuit High | | |
| P3477 | Cylinder 10 Exhaust Valve Control Circuit/Open | | |
| P3478 | Cylinder 10 Exhaust Valve Control Circuit Performance | | |
| P3479 | Cylinder 10 Exhaust Valve Control Circuit Low | | |
| P347A | ISO/SAE Reserved | | |
| P347B | ISO/SAE Reserved | | |
| P347C | ISO/SAE Reserved | | |
| P347D | ISO/SAE Reserved | | |
| P347E | ISO/SAE Reserved | | |
| P347F | ISO/SAE Reserved | | |
| 1 0 171 | 13 5, 57 IL 1 (000) FOR | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|---|----------|-----------|
| P3480 | Cylinder 10 Exhaust Valve Control Circuit High | | |
| P3481 | Cylinder 11 Deactivation/Intake Valve Control Circuit/Open | | |
| P3482 | Cylinder 11 Deactivation/Intake Valve Control Circuit Performance | | |
| P3483 | Cylinder 11 Deactivation/Intake Valve Control Circuit Low | | |
| P3484 | Cylinder 11 Deactivation/Intake Valve Control Circuit High | | |
| P3485 | Cylinder 11 Exhaust Valve Control Circuit/Open | | |
| P3486 | Cylinder 11 Exhaust Valve Control Circuit Performance | | |
| P3487 | Cylinder 11 Exhaust Valve Control Circuit Low | | |
| P3488 | Cylinder 11 Exhaust Valve Control Circuit High | | |
| P3489 | Cylinder 12 Deactivation/Intake Valve Control Circuit/Open | | |
| P348A | ISO/SAE Reserved | | |
| P348B | ISO/SAE Reserved | | |
| P348C | ISO/SAE Reserved | | |
| P348D | ISO/SAE Reserved | | |
| P348E | ISO/SAE Reserved | | |
| P348F | ISO/SAE Reserved | | |
| P3490 | Cylinder 12 Deactivation/Intake Valve Control Circuit Performance | | |
| P3491 | Cylinder 12 Deactivation/Intake Valve Control Circuit Low | | |
| P3492 | Cylinder 12 Deactivation/Intake Valve Control Circuit High | | |
| P3493 | Cylinder 12 Exhaust Valve Control Circuit/Open | | |
| P3494 | Cylinder 12 Exhaust Valve Control Circuit Performance | | |
| P3495 | Cylinder 12 Exhaust Valve Control Circuit Low | | |
| P3496 | Cylinder 12 Exhaust Valve Control Circuit High | | |
| P3497 | Cylinder Deactivation System | Bank 2 | |
| P3498 – P34FF | ISO/SAE Reserved | | |

TABLE D39 - P35XX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3500 | ISO/SAE Reserved | | |

TABLE D40 - P36XX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3600 | ISO/SAE Reserved | | |

TABLE D41 - P37XX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------------------------|----------|-----------|
| P3700 | ISO/SAE Reserved | | |
| | | | |
| | TABLE D42 - P38XX ISO/SAE RESERVED | | |
| DTC Number | DTC Naming | Location | Foot Note |
| P3800 | ISO/SAE Reserved | | |

TABLE D43 - P39XX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3900 | ISO/SAE Reserved | | |

TABLE D44 - P3AXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3A00 | ISO/SAE Reserved | | |

TABLE D45 - P3BXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3B00 | ISO/SAE Reserved | | |

TABLE D46 - P3CXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3C00 | ISO/SAE Reserved | | |

TABLE D47 - P3DXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3D00 | ISO/SAE Reserved | | |

TABLE D48 - P3EXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3E00 | ISO/SAE Reserved | | _ |

TABLE D49 - P3FXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| P3F00 | ISO/SAE Reserved | | |

APPENDIX E0 - NETWORK SYSTEMS

TABLE E1 - U00XX NETWORK ELECTRICAL

| U0000 ISO/SAE Reserved U0001 High Speed CAN Communication Bus Performance U0003 High Speed CAN Communication Bus (+) Open U0004 High Speed CAN Communication Bus (+) Low U0005 High Speed CAN Communication Bus (+) Low U0006 High Speed CAN Communication Bus (-) Open U0007 High Speed CAN Communication Bus (-) Open U0008 High Speed CAN Communication Bus (-) High U0009 High Speed CAN Communication Bus (-) High U0009 High Speed CAN Communication Bus (-) High U0009 High Speed CAN Communication Bus (-) High U0000 High Speed CAN Communication Bus (-) Shorted to Bus (+) U0000 ISO/SAE Reserved U0001 Medium Speed CAN Communication Bus Performance U0011 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) High U0014 Medium Speed CAN Communication Bus (+) Dopen U0015 Medium Speed CAN Communication Bus (+) Dopen U0016 Medium Speed CAN Communication Bus (-) Open U0017 Medium Speed CAN Communication Bus (-) Low U0018 Medium Speed CAN Communication Bus (-) High U0019 Medium Speed CAN Communication Bus (-) Low U0019 Medium Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Medium Speed CAN Communication Bus (-) High U0019 ISO/SAE Reserved U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (-) High U0022 Low Speed CAN Communication Bus (-) High U0023 Low Speed CAN Communication Bus (-) High U0024 Low Speed CAN Communication Bus (-) High U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) High U0028 ISO/SAE Reserved U0029 Vehicle Communication Bus A Performance U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved | DTC Number | DTC Naming | Location | Foot Note |
|--|------------|---|----------|-----------|
| U0002 High Speed CAN Communication Bus (+) Open U0003 High Speed CAN Communication Bus (+) Low U0005 High Speed CAN Communication Bus (+) Low U0006 High Speed CAN Communication Bus (-) High U0007 High Speed CAN Communication Bus (-) Low U0008 High Speed CAN Communication Bus (-) Low U0008 High Speed CAN Communication Bus (-) Low U0009 High Speed CAN Communication Bus (-) Shorted to Bus (+) U0000 High Speed CAN Communication Bus (-) Shorted to Bus (+) U0000 High Speed CAN Communication Bus (-) Shorted to Bus (+) U0000 ISO/SAE Reserved U0001 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus (-) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Upen U0017 Medium Speed CAN Communication Bus (-) Upen U0018 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 Low Speed CAN Communication Bus (-) High U0014 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 Low Speed CAN Communication Bus (-) High U0020 Low Speed CAN Communication Bus (-) High U0021 Low Speed CAN Communication Bus (-) High U0022 Low Speed CAN Communication Bus (-) High U0023 Low Speed CAN Communication Bus (-) High U0024 Low Speed CAN Communication Bus (-) High U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) Low U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus (-) High U0029 Vehicle Communication Bus (-) Shorted to Bus (+) U0020 ISO/SAE Reserved | U0000 | ISO/SAE Reserved | | |
| U0003 High Speed CAN Communication Bus (+) Open U0004 High Speed CAN Communication Bus (+) Low U0005 High Speed CAN Communication Bus (-) Open U0007 High Speed CAN Communication Bus (-) Den U0008 High Speed CAN Communication Bus (-) Low U0008 High Speed CAN Communication Bus (-) Shorted to Bus (+) U0009 High Speed CAN Communication Bus (-) shorted to Bus (+) U0000 High Speed CAN Communication Bus (-) Shorted to Bus (+) U0000 High Speed CAN Communication Bus (-) Shorted to Bus (+) U0000 ISO/SAE Reserved U0001 ISO/SAE Reserved U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus (+) Open U0012 Medium Speed CAN Communication Bus (+) High U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (-) Open U0015 Medium Speed CAN Communication Bus (-) Low U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0014 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 Low Speed CAN Communication Bus (-) High U0020 Low Speed CAN Communication Bus (-) Dopen U0022 Low Speed CAN Communication Bus (-) Low U0023 Low Speed CAN Communication Bus (-) Dopen U0024 Low Speed CAN Communication Bus (-) Dopen U0025 Low Speed CAN Communication Bus (-) Dopen U0026 Low Speed CAN Communication Bus (-) Dopen U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus (-) Shorted to Bus (+) U0029 Vehicle Communication Bus (-) Shorted to Bus (-) U0020 Vehicle Communication Bus (-) Shorted to Bus (-) U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved | U0001 | High Speed CAN Communication Bus | | |
| U0004 High Speed CAN Communication Bus (+) Low U0005 High Speed CAN Communication Bus (-) Open U0007 High Speed CAN Communication Bus (-) Open U0008 High Speed CAN Communication Bus (-) Low U0008 High Speed CAN Communication Bus (-) Bus (| U0002 | High Speed CAN Communication Bus Performance | | |
| U0005 High Speed CAN Communication Bus (+) High U0006 High Speed CAN Communication Bus (-) Open U0007 High Speed CAN Communication Bus (-) Low U0008 High Speed CAN Communication Bus (-) High U0009 High Speed CAN Communication Bus (-) High U0004 ISO/SAE Reserved U000B ISO/SAE Reserved U000B ISO/SAE Reserved U000D ISO/SAE Reserved U0001 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus (+) Open U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (-) Open U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) High U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0019 ISO/SAE Reserved U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0011 ISO/SAE Reserved U0011 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 Low Speed CAN Communication Bus (-) Open U0022 Low Speed CAN Communication Bus (-) Low U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Open U0026 Low Speed CAN Communication Bus (-) Ibigh U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus A Performance U0029 Vehicle Communication Bus (-) Shorted to Bus (+) Vehicle Communication Bus (-) Shorted to Bus (-) Shorted to | U0003 | High Speed CAN Communication Bus (+) Open | | |
| U0006 High Speed CAN Communication Bus (-) Open U0007 High Speed CAN Communication Bus (-) Low U0008 High Speed CAN Communication Bus (-) High U0009 High Speed CAN Communication Bus (-) shorted to Bus (+) U000A ISO/SAE Reserved U000C ISO/SAE Reserved U000C ISO/SAE Reserved U000E ISO/SAE Reserved U000F ISO/SAE Reserved U000F ISO/SAE Reserved U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (-) Open U0013 Medium Speed CAN Communication Bus (-) Low U0014 Medium Speed CAN Communication Bus (-) Open U0015 Medium Speed CAN Communication Bus (-) Upon U0016 Medium Speed CAN Communication Bus (-) Upon U0017 Medium Speed CAN Communication Bus (-) Upon U0018 Medium Speed CAN Communication Bus (-) Upon U0019 Medium Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 ISO/SAE Reserved U0012 ISO/SAE Reserved U0013 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0014 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0015 ISO/SAE Reserved U0016 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0019 Low Speed CAN Communication Bus (-) Shorted U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 Low Speed CAN Communication Bus (-) Shorted U0021 Low Speed CAN Communication Bus (-) Shorted U0022 Low Speed CAN Communication Bus (-) Shorted U0023 Low Speed CAN Communication Bus (-) Shorted U0024 Low Speed CAN Communication Bus (-) Shorted U0025 Low Speed CAN Communication Bus (-) Shorted U0026 ISO/SAE Reserved U0027 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0028 Vehicle Communication Bus (-) Shorted to Bus (-) U0029 Vehicle Communication Bus (-) Shorted to Bus (-) U0029 Vehicle Communication Bus (-) Shorted to Bus (-) U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Re | U0004 | High Speed CAN Communication Bus (+) Low | | |
| U0007 High Speed CAN Communication Bus (-) Low U0008 High Speed CAN Communication Bus (-) High U0009 High Speed CAN Communication Bus (-) shorted to Bus (+) U0000 ISO/SAE Reserved U0001 ISO/SAE Reserved U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (-) Open U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Under Medium Speed CAN Communication Bus (-) Under Medium Speed CAN Communication Bus (-) Illigh U0018 Medium Speed CAN Communication Bus (-) Illigh U0018 Medium Speed CAN Communication Bus (-) Illigh U0019 Low Speed CAN Communication Bus U0010 ISO/SAE Reserved U001B ISO/SAE Reserved U001B ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001E ISO/SAE Reserved U001E ISO/SAE Reserved U001E ISO/SAE Reserved U001B ISO/SAE Reserved U001C Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) Low U0024 Low Speed CAN Communication Bus (+) Low U0025 Low Speed CAN Communication Bus (-) Sepen U0026 Low Speed CAN Communication Bus (-) Sepen U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus (-) Shorted to Bus (+) U0029 Vehicle Communication Bus (-) Shorted to Bus (-) U0029 Vehicle Communication Bus (-) Shorted to Bus (-) U0029 Vehicle Communication Bus (-) Shorted to Bus (-) U0029 Vehicle Communication Bus (-) Shorted to Bus (-) U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved | U0005 | High Speed CAN Communication Bus (+) High | | |
| U0008 High Speed CAN Communication Bus (-) High U0009 High Speed CAN Communication Bus (-) shorted to Bus (+) U000B ISO/SAE Reserved U000C ISO/SAE Reserved U000D ISO/SAE Reserved U000E ISO/SAE Reserved U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (+) Upen U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Upen U0017 Medium Speed CAN Communication Bus (-) Upen U0018 Medium Speed CAN Communication Bus (-) High U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 ISO/SAE Reserved U0013 Low Speed CAN Communication Bus (-) Low U0016 ISO/SAE Reserved < | U0006 | High Speed CAN Communication Bus (-) Open | | |
| U0009 High Speed CAN Communication Bus (-) shorted to Bus (+) U000A ISO/SAE Reserved U000C ISO/SAE Reserved U000C ISO/SAE Reserved U000D ISO/SAE Reserved U000F ISO/SAE Reserved U000F ISO/SAE Reserved U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) High U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 ISO/SAE Reserved U0013 ISO/SAE Reserved U0014 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 ISO/SAE Reserved U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 Low Speed CAN Communication Bus Performance U0020 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (-) Den U0024 Low Speed CAN Communication Bus (-) Den U0025 Low Speed CAN Communication Bus (-) Den U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus (-) Shorted to Bus (+) U0029 Vehicle Communication Bus A Performance U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved | U0007 | High Speed CAN Communication Bus (-) Low | | |
| U000A ISO/SAE Reserved U000B ISO/SAE Reserved U000D ISO/SAE Reserved U000D ISO/SAE Reserved U000F ISO/SAE Reserved U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (-) Open U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 ISO/SAE Reserved U0013 ISO/SAE Reserved U0014 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 ISO | U0008 | High Speed CAN Communication Bus (-) High | | |
| U000B | U0009 | High Speed CAN Communication Bus (-) shorted to Bus (+) | | |
| U000C | U000A | ISO/SAE Reserved | | |
| U000D | U000B | ISO/SAE Reserved | | |
| U000E ISO/SAE Reserved U000F ISO/SAE Reserved U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Open U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Open U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001E ISO/SAE Reserved U001C Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus (-) Shorted to Bus (+) U0029 Vehicle Communication Bus A Performance U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved U0023 ISO/SAE Reserved U0024 ISO/SAE Reserved U0025 ISO/SAE Reserved U0026 ISO/SAE Reserved U0027 ISO/SAE Reserved U0028 ISO/SAE Reserved U0029 ISO/SAE Reserved U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved U0025 ISO/SAE Reserved U0026 ISO/SAE Reserved | U000C | ISO/SAE Reserved | | |
| U0010 Medium Speed CAN Communication Bus U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) High U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (+) High U0025 Low Speed CAN Communication Bus (-) Open U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus (-) High U0029 Vehicle Communication Bus (-) High U0020 Low Speed CAN Communication Bus (-) High U0021 Low Speed CAN Communication Bus (-) High U0022 Low Speed CAN Communication Bus (-) High U0024 Low Speed CAN Communication Bus (-) High U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus A Performance U0029 Vehicle Communication Bus A Performance U0029 ISO/SAE Reserved U0020 ISO/SAE Reserved U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved | U000D | ISO/SAE Reserved | | |
| U0010 Medium Speed CAN Communication Bus Performance U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus U0014 ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U001C ISO/SAE Reserved U001C Low Speed CAN Communication Bus Performance U0020 Low Speed CAN Communication Bus (+) Open U0021 Low Speed CAN Communication Bus (+) High U0022 Low Speed CAN Communication Bus (-) Open U0023 Low Speed CAN Communication Bus (-) Open U0024 Low Speed CAN Communication Bus (-) High U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) Hopen U0027 Low Speed CAN Communication Bus (-) Hopen U0028 Vehicle Communication Bus (-) High U0029 Vehicle Communication Bus (-) Shorted to Bus (+) U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved U0022 ISO/SAE Reserved U0022 ISO/SAE Reserved U0023 ISO/SAE Reserved U0026 ISO/SAE Reserved U0027 ISO/SAE Reserved U0028 ISO/SAE Reserved U0029 ISO/SAE Reserved U0020 ISO/SAE Reserved U0020 ISO/SAE Reserved U0020 ISO/SAE Reserved U0020 ISO/SAE Reserved U0021 ISO/SAE Reserved | U000E | ISO/SAE Reserved | | |
| U0011 Medium Speed CAN Communication Bus Performance U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0011 ISO/SAE Reserved U0012 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 Low Speed CAN Communication Bus Performance U0020 Low Speed CAN Communication Bus (+) Open U0021 Low Speed CAN Communication Bus (+) Upen U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (-) Open U0024 Low Speed CAN Communication Bus (-) Dopen U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) Spen U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A U0029 ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U000F | ISO/SAE Reserved | | |
| U0012 Medium Speed CAN Communication Bus (+) Open U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0010 Low Speed CAN Communication Bus (-) Shorted to Bus (-) U0010 Low Speed CAN Communication Bus U0011 ISO/SAE Reserved U0012 ISO/SAE Reserved U0013 ISO/SAE Reserved U0014 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 Low Speed CAN Communication Bus Performance U0020 Low Speed CAN Communication Bus (+) Open U0021 Low Speed CAN Communication Bus (+) High U0022 Low Speed CAN Communication Bus (-) Open U0023 Low Speed CAN Communication Bus (-) Open U0024 Low Speed CAN Communication Bus (-) Den U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | | Medium Speed CAN Communication Bus | | |
| U0013 Medium Speed CAN Communication Bus (+) Low U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0019 Low Speed CAN Communication Bus U00101 ISO/SAE Reserved U0011 ISO/SAE Reserved U0011 ISO/SAE Reserved U0010 ISO/SAE Reserved U0011 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 Low Speed CAN Communication Bus Performance U0020 Low Speed CAN Communication Bus (+) Open U0020 Low Speed CAN Communication Bus (+) High U0021 Low Speed CAN Communication Bus (+) High U0022 Low Speed CAN Communication Bus (-) Open U0023 Low Speed CAN Communication Bus (-) High U0024 Low Speed CAN Communication Bus (-) High U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0028 Vehicle Communication Bus A Performance U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002C ISO/SAE Reserved U002E ISO/SAE Reserved | U0011 | Medium Speed CAN Communication Bus Performance | | |
| U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Open U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) High U0019 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001F ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (-) Open U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A Performance U0029 Vehicle Communication Bus A Performance U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved | U0012 | · | | |
| U0014 Medium Speed CAN Communication Bus (+) High U0015 Medium Speed CAN Communication Bus (-) Open U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) Shorted to Bus (+) U0019 Low Speed CAN Communication Bus U0014 ISO/SAE Reserved U0015 ISO/SAE Reserved U0016 ISO/SAE Reserved U0010 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 Low Speed CAN Communication Bus Performance U0016 ISO/SAE Reserved U0017 ISO/SAE Reserved U0018 ISO/SAE Reserved U0019 Low Speed CAN Communication Bus (+) Open U0020 Low Speed CAN Communication Bus (+) Uow U0021 Low Speed CAN Communication Bus (+) Low U0022 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A Performance U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved | U0013 | Medium Speed CAN Communication Bus (+) Low | | |
| U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) High U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus A Performance U002B ISO/SAE Reserved U002B ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved | U0014 | · | | |
| U0016 Medium Speed CAN Communication Bus (-) Low U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001E ISO/SAE Reserved U001E ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) High U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) High U0028 Vehicle Communication Bus A Performance U002B ISO/SAE Reserved U002B ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved | U0015 | Medium Speed CAN Communication Bus (-) Open | | |
| U0017 Medium Speed CAN Communication Bus (-) High U0018 Medium Speed CAN Communication Bus (-) shorted to Bus (+) U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Open U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved | U0016 | • | | |
| U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0028 Vehicle Communication Bus A Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0017 | • | | |
| U0019 Low Speed CAN Communication Bus U001A ISO/SAE Reserved U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0018 | • | | |
| U001B ISO/SAE Reserved U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) High U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002D ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0019 | • | | |
| U001C ISO/SAE Reserved U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U001A | · | | |
| U001D ISO/SAE Reserved U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) Shorted to Bus (+) U0028 Vehicle Communication Bus A Performance U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U001B | ISO/SAE Reserved | | |
| U001E ISO/SAE Reserved U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U001C | ISO/SAE Reserved | | |
| U001F ISO/SAE Reserved U0020 Low Speed CAN Communication Bus Performance U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U001D | ISO/SAE Reserved | | |
| U0020Low Speed CAN Communication Bus PerformanceU0021Low Speed CAN Communication Bus (+) OpenU0022Low Speed CAN Communication Bus (+) LowU0023Low Speed CAN Communication Bus (+) HighU0024Low Speed CAN Communication Bus (-) OpenU0025Low Speed CAN Communication Bus (-) HighU0026Low Speed CAN Communication Bus (-) Shorted to Bus (+)U0027Low Speed CAN Communication Bus (-) shorted to Bus (+)U0028Vehicle Communication Bus AU0029Vehicle Communication Bus A PerformanceU002AISO/SAE ReservedU002BISO/SAE ReservedU002CISO/SAE ReservedU002DISO/SAE ReservedU002EISO/SAE Reserved | U001E | ISO/SAE Reserved | | |
| U0021 Low Speed CAN Communication Bus (+) Open U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U001F | ISO/SAE Reserved | | |
| U0022 Low Speed CAN Communication Bus (+) Low U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0020 | Low Speed CAN Communication Bus Performance | | |
| U0023 Low Speed CAN Communication Bus (+) High U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0021 | Low Speed CAN Communication Bus (+) Open | | |
| U0024 Low Speed CAN Communication Bus (-) Open U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0022 | Low Speed CAN Communication Bus (+) Low | | |
| U0025 Low Speed CAN Communication Bus (-) Low U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0023 | Low Speed CAN Communication Bus (+) High | | |
| U0026 Low Speed CAN Communication Bus (-) High U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0024 | Low Speed CAN Communication Bus (-) Open | | |
| U0027 Low Speed CAN Communication Bus (-) shorted to Bus (+) U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0025 | Low Speed CAN Communication Bus (-) Low | | |
| U0028 Vehicle Communication Bus A U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0026 | Low Speed CAN Communication Bus (-) High | | |
| U0029 Vehicle Communication Bus A Performance U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0027 | Low Speed CAN Communication Bus (-) shorted to Bus (+) | | |
| U002A ISO/SAE Reserved U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0028 | Vehicle Communication Bus A | | |
| U002B ISO/SAE Reserved U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U0029 | Vehicle Communication Bus A Performance | | |
| U002C ISO/SAE Reserved U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U002A | ISO/SAE Reserved | | |
| U002D ISO/SAE Reserved U002E ISO/SAE Reserved | U002B | ISO/SAE Reserved | | |
| U002E ISO/SAE Reserved | U002C | ISO/SAE Reserved | | |
| | U002D | ISO/SAE Reserved | | |
| U002F ISO/SAE Reserved | U002E | ISO/SAE Reserved | | |
| | U002F | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-------------|
| U0030 | Vehicle Communication Bus A (+) Open | | 1 001 11010 |
| U0031 | Vehicle Communication Bus A (+) Low | | |
| U0032 | Vehicle Communication Bus A (+) High | | |
| U0033 | Vehicle Communication Bus A (-) Open | | |
| U0034 | Vehicle Communication Bus A (-) Low | | |
| U0035 | Vehicle Communication Bus A (-) High | | |
| U0036 | Vehicle Communication Bus A (-) shorted to Bus A (+) | | |
| U0037 | Vehicle Communication Bus B | | |
| U0038 | Vehicle Communication Bus B Performance | | |
| U0039 | Vehicle Communication Bus B (+) Open | | |
| U003A | ISO/SAE Reserved | | |
| U003B | ISO/SAE Reserved | | |
| U003C | ISO/SAE Reserved | | |
| U003D | ISO/SAE Reserved | | |
| U003E | ISO/SAE Reserved | | |
| U003F | ISO/SAE Reserved | | |
| U0040 | Vehicle Communication Bus B (+) Low | | |
| U0041 | Vehicle Communication Bus B (+) High | | |
| U0042 | Vehicle Communication Bus B (-) Open | | |
| U0043 | Vehicle Communication Bus B (-) Low | | |
| U0044 | Vehicle Communication Bus B (-) High | | |
| U0045 | Vehicle Communication Bus B (-) shorted to Bus B (+) | | |
| U0046 | Vehicle Communication Bus C | | |
| U0047 | Vehicle Communication Bus C Performance | | |
| U0048 | Vehicle Communication Bus C (+) Open | | |
| U0049 | Vehicle Communication Bus C (+) Low | | |
| U004A | ISO/SAE Reserved | | |
| U004B | ISO/SAE Reserved | | |
| U004C | ISO/SAE Reserved | | |
| U004D | ISO/SAE Reserved | | |
| U004E | ISO/SAE Reserved | | |
| U004F | ISO/SAE Reserved | | |
| U0050 | Vehicle Communication Bus C (+) High | | |
| U0051 | Vehicle Communication Bus C (-) Open | | |
| U0052 | Vehicle Communication Bus C (-) Low | | |
| U0053 | Vehicle Communication Bus C (-) High | | |
| U0054 | Vehicle Communication Bus C (-) shorted to Bus C (+) | | |
| U0055 | Vehicle Communication Bus D | | |
| U0056 | Vehicle Communication Bus D Performance | | |
| U0057 | Vehicle Communication Bus D (+) Open | | |
| U0058 | Vehicle Communication Bus D (+) Low | | |
| U0059 | Vehicle Communication Bus D (+) High | | |
| U005A | ISO/SAE Reserved | | |
| U005B | ISO/SAE Reserved | | |
| U005C | ISO/SAE Reserved | | |
| U005D | ISO/SAE Reserved | | |
| U005E | ISO/SAE Reserved | | |
| U005F | ISO/SAE Reserved | | |
| U0060 | Vehicle Communication Bus D (-) Open | | |
| U0061 | Vehicle Communication Bus D (-) Low | | |
| U0062 | Vehicle Communication Bus D (-) High | | |
| U0063 | Vehicle Communication Bus D (-) shorted to Bus D (+) | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| U0064 | Vehicle Communication Bus E | | |
| U0065 | Vehicle Communication Bus E Performance | | |
| U0066 | Vehicle Communication Bus E (+) Open | | |
| U0067 | Vehicle Communication Bus E (+) Low | | |
| U0068 | Vehicle Communication Bus E (+) High | | |
| U0069 | Vehicle Communication Bus E (-) Open | | |
| U006A | ISO/SAE Reserved | | |
| U006B | ISO/SAE Reserved | | |
| U006C | ISO/SAE Reserved | | |
| U006D | ISO/SAE Reserved | | |
| U006E | ISO/SAE Reserved | | |
| U006F | ISO/SAE Reserved | | |
| U0070 | Vehicle Communication Bus E (-) Low | | |
| U0071 | Vehicle Communication Bus E (-) High | | |
| U0072 | Vehicle Communication Bus E (-) shorted to Bus E (+) | | |
| U0073 | Control Module Communication Bus "A" Off | | |
| U0074 | Control Module Communication Bus "B" Off | | |
| U0075 – U00FF | ISO/SAE Reserved | | |

TABLE E2 - U01XX NETWORK COMMUNICATION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| U0100 | Lost Communication With ECM/PCM "A" | | |
| U0101 | Lost Communication with TCM | | |
| U0102 | Lost Communication with Transfer Case Control Module | | |
| U0103 | Lost Communication With Gear Shift Control Module "A" | | |
| U0104 | Lost Communication With Cruise Control Module | | |
| U0105 | Lost Communication With Fuel Injector Control Module | | |
| U0106 | Lost Communication With Glow Plug Control Module | | |
| U0107 | Lost Communication With Throttle Actuator Control Module | | |
| U0108 | Lost Communication With Alternative Fuel Control Module | | |
| U0109 | Lost Communication With Fuel Pump Control Module | | |
| U010A | Lost Communication With Exhaust Gas Recirculation Control Module "A" | | |
| U010B | Lost Communication With Exhaust Gas Recirculation Control Module "B" | | |
| U010C | Lost Communication With Turbocharger/Supercharger Control Module "A" | | |
| U010D | Lost Communication With Turbocharger/Supercharger Control Module "B" | | |
| U010E | Lost Communication With Reductant Control Module | | 1 |
| U010F | Lost Communication With Air Conditioning Control Module | | |
| U0110 | Lost Communication With Drive Motor Control Module "A" | | Ž. |
| U0111 | Lost Communication With Battery Energy Control Module "A" | | |
| U0112 | Lost Communication With Battery Energy Control Module "B" | | į. |
| U0113 | Lost Communication With Emissions Critical Control Information | | |
| U0114 | Lost Communication With Four-Wheel Drive Clutch Control Module | | |
| U0115 | Lost Communication With ECM/PCM "B" | | î |
| U0116 | Lost Communication With Coolant Temperature Control Module | | |
| U0117 | Lost Communication With PTO Control Module | | |
| U0118 | Lost Communication With Fuel Additive Control Module | | |
| U0119 | Lost Communication With Fuel Cell Control Module | | |
| U011A | Lost Communication With Exhaust Gas Sensor Module | | |

| DTC Number | DTC Naming | Location | Foot Note |
|----------------|---|----------|-----------|
| U011B | Lost Communication With Rocker Arm Control Module "A" | | |
| U011C | Lost Communication With Rocker Arm Control Module "B" | | |
| U011D | Lost Communication With All Wheel Drive Control Module | | |
| U011E | ISO/SAE Reserved | | |
| U011F | ISO/SAE Reserved | | |
| U0120 | Lost Communication With Starter / Generator Control Module | | |
| U0121 | Lost Communication With Anti-Lock Brake System (ABS) Control | | |
| 00121 | Module | | |
| U0122 | Lost Communication With Vehicle Dynamics Control Module | | |
| U0123 | Lost Communication With Yaw Rate Sensor Module | | |
| U0124 | Lost Communication With Lateral Acceleration Sensor Module | | |
| U0125 | Lost Communication With Multi-axis Acceleration Sensor Module | | |
| U0126 | Lost Communication With Steering Angle Sensor Module | | |
| U0127 | Lost Communication With Tire Pressure Monitor Module | | |
| U0128 | Lost Communication With Park Brake Control Module | | |
| U0129 | Lost Communication With Brake System Control Module | | |
| U012A | ISO/SAE Reserved | | |
| U012B | ISO/SAE Reserved | | |
| U012C | ISO/SAE Reserved | | |
| U012D | ISO/SAE Reserved | | |
| U012E | ISO/SAE Reserved | | |
| U012F | ISO/SAE Reserved | | |
| U0130 | Lost Communication With Steering Effort Control Module | | |
| U0131 | Lost Communication With Power Steering Control Module | | |
| U0132 | Lost Communication With Suspension Control Module "A" | | |
| U0133 | Lost Communication With Active Roll Control Module | | |
| U0134 | Lost Communication With Power Steering Control Module | Rear | |
| U0135 | Lost Communication With Differential Control Module | Front | |
| U0136 | Lost Communication With Differential Control Module | Rear | |
| U0137 | Lost Communication With Trailer Brake Control Module | rtoui | |
| U0138 | Lost Communication With All Terrain Control Module | | |
| U0139 | Lost Communication With Suspension Control Module "B" | | |
| U013A | ISO/SAE Reserved | | |
| U013B | ISO/SAE Reserved | | |
| U013C | ISO/SAE Reserved | | |
| U013D | ISO/SAE Reserved | | |
| U013E | ISO/SAE Reserved | | |
| U013F | ISO/SAE Reserved | | |
| U0140 | Lost Communication With Body Control Module | | |
| U0141 | Lost Communication With Body Control Module "A" | | |
| U0142 | Lost Communication With Body Control Module "B" | | |
| U0143 | Lost Communication With Body Control Module "C" | | |
| U0144 | Lost Communication With Body Control Module "D" | | |
| U0145 | Lost Communication With Body Control Module "E" | | |
| U0146 | Lost Communication With Gateway "A" | | |
| U0147 | Lost Communication With Gateway "B" | | |
| U0148 | Lost Communication With Gateway "C" | | |
| U0149 | Lost Communication With Gateway "D" | | |
| U014A | ISO/SAE Reserved | | |
| U014B | ISO/SAE Reserved | | |
| U014C | ISO/SAE Reserved | | |
| U014D | ISO/SAE Reserved | | |
| · - | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|-------------------|---|----------|-----------|
| U014E | ISO/SAE Reserved | | |
| U014F | ISO/SAE Reserved | | |
| U0150 | Lost Communication With Gateway "E" | | |
| U0151 | Lost Communication With Restraints Control Module | | |
| U0152 | Lost Communication With Side Restraints Control Module | Left | |
| U0153 | Lost Communication With Side Restraints Control Module | Right | |
| U0154 | Lost Communication With Restraints Occupant Classification System | J | |
| | Module | | |
| U0155 | Lost Communication With Instrument Panel Cluster (IPC) Control Module | | |
| U0156 | Lost Communication With Information Center "A" | | |
| U0157 | Lost Communication With Information Center "B" | | |
| U0158 | Lost Communication With Head Up Display | | |
| U0159 | Lost Communication With Parking Assist Control Module "A" | | |
| U015A | ISO/SAE Reserved | | |
| U015B | ISO/SAE Reserved | | |
| U015C | ISO/SAE Reserved | | |
| U015D | ISO/SAE Reserved | | |
| U015E | ISO/SAE Reserved | | |
| U015F | ISO/SAE Reserved | | |
| U0160 | Lost Communication With Audible Alert Control Module | | |
| U0161 | Lost Communication With Compass Module | | |
| U0162 | Lost Communication With Compass Module Lost Communication With Navigation Display Module | | |
| U0163 | Lost Communication With Navigation Control Module | | |
| U0164 | Lost Communication With HVAC Control Module | | |
| U0165 | Lost Communication With HVAC Control Module | Rear | |
| U0166 | Lost Communication With Auxiliary Heater Control Module | ixeai | |
| U0167 | Lost Communication With Adxillary Fleater Control Module | | |
| U0168 | Lost Communication With Vehicle Security Control Module | | |
| U0169 | Lost Communication With Sunroof Control Module | | |
| U016A | Lost Communication With Global Positioning System Module | | |
| U016B | ISO/SAE Reserved | | |
| U016C | ISO/SAE Reserved | | |
| U016D | ISO/SAE Reserved | | |
| U016E | ISO/SAE Reserved | | |
| U016F | ISO/SAE Reserved | | |
| U0170 | Lost Communication With "Restraints System Sensor A" | | |
| U0171 | Lost Communication With "Restraints System Sensor B" | | |
| U0172 | Lost Communication With "Restraints System Sensor C" | | |
| U0173 | Lost Communication With "Restraints System Sensor D" | | |
| U0174 | · · · · · · · · · · · · · · · · · · · | | |
| U0175 | Lost Communication With "Restraints System Sensor E" | | |
| | Lost Communication With "Restraints System Sensor F" | | |
| U0176 | Lost Communication With "Restraints System Sensor G" | | |
| U0177 | Lost Communication With "Restraints System Sensor H" | | |
| U0178 | Lost Communication With "Restraints System Sensor I" | | |
| U0179 | Lost Communication With "Restraints System Sensor J" | | |
| U017A | Lost Communication With "Restraints System Sensor K" | | |
| U017B | Lost Communication With "Restraints System Sensor L" | | |
| U017C | Lost Communication With "Restraints System Sensor M" | | |
| U017D | Lost Communication With "Restraints System Sensor N" | | |
| U017E | Lost Communication With Seatbelt Pretensioner Module "A" | | |
| U017F | Lost Communication With Seatbelt Pretensioner Module "B" | | |
| U0180 | Lost Communication With Automatic Lighting Control Module | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| U0181 | Lost Communication With Headlamp Leveling Control Module | | |
| U0182 | Lost Communication With Lighting Control Module | Front | |
| U0183 | Lost Communication With Lighting Control Module | Rear "A" | |
| U0184 | Lost Communication With Radio | | |
| U0185 | Lost Communication With Antenna Control Module | | |
| U0186 | Lost Communication With Audio Amplifier "A" | | |
| U0187 | Lost Communication With Digital Disc Player/Changer Module "A" | | |
| U0188 | Lost Communication With Digital Disc Player/Changer Module "B" | | |
| U0189 | Lost Communication With Digital Disc Player/Changer Module "C" | | |
| U018A | ISO/SAE Reserved | | |
| U018B | ISO/SAE Reserved | | |
| U018C | ISO/SAE Reserved | | |
| U018D | ISO/SAE Reserved | | |
| U018E | ISO/SAE Reserved | | |
| U018F | ISO/SAE Reserved | | |
| U0190 | Lost Communication With Digital Disc Player/Changer Module "D" | | |
| U0191 | Lost Communication With Television | | |
| U0192 | Lost Communication With Personal Computer | | |
| U0193 | Lost Communication With "Digital Audio Control Module A" | | |
| U0194 | Lost Communication With "Digital Audio Control Module B" | | |
| U0195 | Lost Communication With Subscription Entertainment Receiver | | |
| | Module | | |
| U0196 | Lost Communication With Entertainment Control Module | Rear "A" | |
| U0197 | Lost Communication With Telephone Control Module | | |
| U0198 | Lost Communication With Telematic Control Module | | |
| U0199 | Lost Communication With "Door Control Module A" | | |
| U019A – U01FF | ISO/SAE Reserved | | |

TABLE E3 - U02XX NETWORK COMMUNICATION

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-----------|
| U0200 | Lost Communication With "Door Control Module B" | | |
| U0201 | Lost Communication With "Door Control Module C" | | |
| U0202 | Lost Communication With "Door Control Module D" | | |
| U0203 | Lost Communication With "Door Control Module E" | | |
| U0204 | Lost Communication With "Door Control Module F" | | |
| U0205 | Lost Communication With "Door Control Module G" | | Į. |
| U0206 | Lost Communication With Folding Top Control Module | | |
| U0207 | Lost Communication With Moveable Roof Control Module | | į |
| U0208 | Lost Communication With "Seat Control Module A" | | |
| U0209 | Lost Communication With "Seat Control Module B" | | į, |
| U020A | ISO/SAE Reserved | | |
| U020B | ISO/SAE Reserved | | į. |
| U020C | ISO/SAE Reserved | | 1 |
| U020D | ISO/SAE Reserved | | |
| U020E | ISO/SAE Reserved | | |
| U020F | ISO/SAE Reserved | | |
| U0210 | Lost Communication With "Seat Control Module C" | | |
| U0211 | Lost Communication With "Seat Control Module D" | | |
| U0212 | Lost Communication With Steering Column Control Module | | |
| U0213 | Lost Communication With Mirror Control Module | | |
| U0214 | Lost Communication With Remote Function Actuation | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------------------------|-----------|
| U0215 | Lost Communication With "Door Switch A" | | |
| U0216 | Lost Communication With "Door Switch B" | | |
| U0217 | Lost Communication With "Door Switch C" | | |
| U0218 | Lost Communication With "Door Switch D" | | |
| U0219 | Lost Communication With "Door Switch E" | | |
| U021A | ISO/SAE Reserved | | |
| U021B | ISO/SAE Reserved | | |
| U021C | ISO/SAE Reserved | | |
| U021D | ISO/SAE Reserved | | |
| U021E | ISO/SAE Reserved | | |
| U021F | ISO/SAE Reserved | | |
| U0220 | Lost Communication With "Door Switch F" | | |
| U0221 | Lost Communication With "Door Switch G" | | |
| U0222 | Lost Communication With "Door Window Motor A" | | |
| U0223 | Lost Communication With "Door Window Motor B" | | |
| U0224 | Lost Communication With "Door Window Motor C" | | |
| U0225 | Lost Communication With "Door Window Motor D" | | |
| U0226 | Lost Communication With "Door Window Motor E" | | |
| U0227 | Lost Communication With "Door Window Motor F" | | |
| U0228 | Lost Communication With "Door Window Motor G" | | |
| | | | |
| U0229 | Lost Communication With Heated Steering Wheel Module | | |
| U022A | ISO/SAE Reserved | | |
| U022B | ISO/SAE Reserved | | |
| U022C | ISO/SAE Reserved | | |
| U022D | ISO/SAE Reserved | | |
| U022E | ISO/SAE Reserved | | |
| U022F | ISO/SAE Reserved | | |
| U0230 | Lost Communication With Rear Gate Module | | |
| U0231 | Lost Communication With Rain Sensing Module | 1 -4 | |
| U0232 | Lost Communication With Side Obstacle Detection Control Module | Left | |
| U0233 | Lost Communication With Side Obstacle Detection Control Module | Right | |
| U0234 | Lost Communication With Convenience Recall Module | Cinala Canaan | |
| U0235 | Lost Communication With Cruise Control Front Distance Range Sensor | Single Sensor or Center | |
| U0236 | Lost Communication With Column Lock Module | | |
| U0237 | Lost Communication With "Digital Audio Control Module C" | | |
| U0238 | Lost Communication With "Digital Audio Control Module D" | | |
| U0239 | Lost Communication With Entrapment Control Module "A" | | |
| U023A | Lost Communication With Image Processing Module "A" | | |
| U023B | Lost Communication With Image Processing Module "B" | | |
| U023C | Lost Communication With Image Processing Module "C" | | |
| U023D | Lost Communication With Cruise Control Front Distance Range Sensor | Left | |
| U023E | Lost Communication With Cruise Control Front Distance Range Sensor | Right | |
| U023F | ISO/SAE Reserved | | |
| U0240 | Lost Communication With Entrapment Control Module "B" | | |
| U0241 | Lost Communication With Headlamp Control Module "A" | | |
| U0242 | Lost Communication With Headlamp Control Module "B" | | |
| U0243 | Lost Communication With Parking Assist Control Module "B" | | |
| U0244 | Lost Communication With Running Board Control Module "A" | | |
| U0245 | Lost Communication With Entertainment Control Module | Front | |
| U0246 | Lost Communication With "Seat Control Module E" | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-------------|
| U0247 | Lost Communication With "Seat Control Module F" | Location | 1 001 11010 |
| U0248 | Lost Communication With Remote Accessory Module | | |
| U0249 | Lost Communication With Entertainment Control Module | Rear "B" | |
| U024A | Lost Communication With Interior Lighting Control Module | rical B | |
| U024B | ISO/SAE Reserved | | |
| U024C | ISO/SAE Reserved | | |
| U024D | ISO/SAE Reserved | | |
| U024E | ISO/SAE Reserved | | |
| U024F | ISO/SAE Reserved | | |
| U0250 | Lost Communication With Impact Classification System Module | | |
| U0251 | Lost Communication With Running Board Control Module "B" | | |
| U0252 | Lost Communication With Lighting Control Module | Rear "B" | |
| U0253 | Lost Communication With Accessory Protocol Interface Module | rtour B | |
| U0254 | Lost Communication With Remote Start Module | | |
| U0255 | Lost Communication With Front Display Interface Module | | |
| U0256 | Lost Communication With Front Controls Interface Module "A" | | |
| U0257 | Lost Communication With Front Controls/Display Interface Module | | |
| U0258 | Lost Communication With Radio Transceiver | | |
| U0259 | Lost Communication With Special Purpose Vehicle Control | | |
| | Module "A" | | |
| U025A | Lost Communication With Special Purpose Vehicle Control | | |
| | Module "B" | | |
| U025B | Lost Communication With Special Purpose Vehicle Control | | |
| U025C | Module "C" Lost Communication With Special Purpose Vehicle Control | | |
| 00230 | Module "D" | | |
| U025D | Lost Communication With Front Controls Interface Module "B" | | |
| U025E | ISO/SAE Reserved | | |
| U025F | ISO/SAE Reserved | | |
| U0260 | Lost Communication With Seat Control Switch Module "A" | | |
| U0261 | Lost Communication With Seat Control Switch Module "B" | | |
| U0262 | Lost Communication With Audio Amplifier "B" | | |
| U0263 | Lost Communication With Speech Recognition Module | | |
| U0264 | Lost Communication With Camera Module | Rear | |
| U0265 | ISO/SAE Reserved | | |
| U0266 | ISO/SAE Reserved | | |
| U0267 | ISO/SAE Reserved | | |
| U0268 | ISO/SAE Reserved | | |
| U0269 | ISO/SAE Reserved | | |
| U026A | ISO/SAE Reserved | | |
| U026B | ISO/SAE Reserved | | |
| U026C | ISO/SAE Reserved | | |
| U026D | ISO/SAE Reserved | | |
| U026E | ISO/SAE Reserved | | |
| U026F | ISO/SAE Reserved | | |
| U0270 | ISO/SAE Reserved | | |
| U0271 | ISO/SAE Reserved | | |
| U0272 | ISO/SAE Reserved | | |
| U0273 | ISO/SAE Reserved | | |
| U0274 | ISO/SAE Reserved | | |
| U0275 | ISO/SAE Reserved | | |
| U0276 | ISO/SAE Reserved | | |
| U0277 | ISO/SAE Reserved | | |

| DTC Number | DTC Namina | Location | Fact Nate |
|---------------|---|----------|-----------|
| DTC Number | DTC Naming | Location | Foot Note |
| U0278 | ISO/SAE Reserved | | |
| U0279 | ISO/SAE Reserved | | |
| U027A | ISO/SAE Reserved | | |
| U027B | ISO/SAE Reserved | | |
| U027C | ISO/SAE Reserved | | |
| U027D | ISO/SAE Reserved | | |
| U027E | ISO/SAE Reserved | | |
| U027F | ISO/SAE Reserved | | |
| U0280 | ISO/SAE Reserved | | |
| U0281 | ISO/SAE Reserved | | |
| U0282 | ISO/SAE Reserved | | |
| U0283 | ISO/SAE Reserved | | |
| U0284 | ISO/SAE Reserved | | |
| U0285 | ISO/SAE Reserved | | |
| U0286 | Lost Communication With Radiator Anti Tamper Device | | |
| U0287 | Lost Communication With Transmission Fluid Pump Module | | |
| U0288 | Lost Communication With DC to AC Converter Control Module "A" | | |
| U0289 | Lost Communication With DC to AC Converter Control Module "B" | | |
| U028A | ISO/SAE Reserved | | |
| U028B | ISO/SAE Reserved | | |
| U028C | ISO/SAE Reserved | | |
| U028D | ISO/SAE Reserved | | |
| U028E | ISO/SAE Reserved | | |
| U028F | ISO/SAE Reserved | | |
| U0290 | ISO/SAE Reserved | | |
| U0291 | Lost Communication With Gear Shift Control Module "B" | | |
| U0292 | Lost Communication With Drive Motor Control Module "B" | | |
| U0293 | Lost Communication With Hybrid Powertrain Control Module | | |
| U0294 | Lost Communication With Powertrain Control Monitor Module | | |
| U0295 | Lost Communication With AC to AC Converter Control Module | | |
| U0296 | Lost Communication With AC to DC Converter Control Module "A" | | |
| U0297 | Lost Communication With AC to DC Converter Control Module "B" | | |
| U0298 | Lost Communication With DC to DC Converter Control Module "A" | | |
| U0299 | Lost Communication With DC to DC Converter Control Module "B" | | |
| U029A | Lost Communication With Hybrid Battery Pack Sensor Module | | 1 |
| U029B | Lost Communication With Drive Motor Control Module "C" | | |
| U029C | Lost Communication With Drive Motor Control Module "D" | | į |
| U029D | Lost Communication With NOX Sensor "A" | | |
| U029E | Lost Communication With NOX Sensor "B" | | |
| U029F – U02FF | ISO/SAE Reserved | | |

TABLE E4 - U03XX NETWORK SOFTWARE

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| U0300 | Internal Control Module Software Incompatibility | | rootiioto |
| U0301 | Software Incompatibility With ECM/PCM | | |
| U0302 | Software Incompatibility With Transmission Control Module | | |
| U0303 | Software Incompatibility With Transfer Case Control Module | | |
| U0304 | Software Incompatibility With Gear Shift Control Module "A" | | |
| U0305 | Software Incompatibility With Cruise Control Module | | |
| U0306 | Software Incompatibility With Fuel Injector Control Module | | |
| U0307 | Software Incompatibility With Glow Plug Control Module | | |
| U0308 | Software Incompatibility With Throttle Actuator Control Module | | |
| U0309 | Software Incompatibility With Alternative Fuel Control Module | | |
| U030A | ISO/SAE Reserved | | |
| U030B | ISO/SAE Reserved | | |
| U030C | ISO/SAE Reserved | | |
| U030D | ISO/SAE Reserved | | |
| U030E | ISO/SAE Reserved | | |
| U030F | ISO/SAE Reserved | | |
| U0310 | Software Incompatibility With Fuel Pump Control Module | | |
| U0311 | Software Incompatibility With Drive Motor Control Module | | |
| U0312 | Software Incompatibility With Battery Energy Control Module A | | |
| U0313 | Software Incompatibility With Battery Energy Control Module B | | |
| U0314 | Software Incompatibility With Four-Wheel Drive Clutch Control | | |
| | Module | | |
| U0315 | Software Incompatibility With Anti-Lock Brake System Control Module | | |
| U0316 | Software Incompatibility With Vehicle Dynamics Control Module | | |
| U0317 | Software Incompatibility With Park Brake Control Module | | |
| U0318 | Software Incompatibility With Brake System Control Module | | |
| U0319 | Software Incompatibility With Steering Effort Control Module | | |
| U031A | ISO/SAE Reserved | | |
| U031B | ISO/SAE Reserved | | |
| U031C | ISO/SAE Reserved | | |
| U031D | ISO/SAE Reserved | | |
| U031E | ISO/SAE Reserved | | |
| U031F | ISO/SAE Reserved | | |
| U0320 | Software Incompatibility With Power Steering Control Module | | |
| U0321 | Software Incompatibility With Suspension Control Module "A" | | |
| U0322 | Software Incompatibility With Body Control Module | | |
| U0323 | Software Incompatibility With Instrument Panel Control Module | | |
| U0324 | Software Incompatibility With HVAC Control Module | | |
| U0325 | Software Incompatibility With Auxiliary Heater Control Module | | |
| U0326 | Software Incompatibility With Vehicle Immobilizer Control Module | | |
| U0327 | Software Incompatibility With Vehicle Security Control Module | | |
| U0328 | Software Incompatibility With Steering Angle Sensor Module | | |
| U0329 | Software Incompatibility With Steering Column Control Module | | |
| U032A | ISO/SAE Reserved | | |
| U032B | ISO/SAE Reserved | | |
| U032C | ISO/SAE Reserved | | |
| U032D | ISO/SAE Reserved | | |
| U032E | ISO/SAE Reserved | | |
| U032F | ISO/SAE Reserved | | |
| U0330 | Software Incompatibility With Tire Pressure Monitor Module | | |

| DTC Number | DTC Naming | Location | Foot Note |
|-------------------|---|----------|-----------|
| U0331 | Software Incompatibility With Body Control Module "A" | | |
| U0332 | Software Incompatibility With Multi-axis Acceleration Sensor Module | | |
| U0333 | Software Incompatibility With Gear Shift Control Module "B" | | |
| U0334 | Software Incompatibility With Radio | | |
| U0335 | Software Incompatibility With Hybrid Battery Pack Sensor Module | | |
| U0336 | Software Incompatibility with Restraints Control Module | | |
| U0337 – U03FF | ISO/SAE Reserved | | |

TABLE E5 - U04XX NETWORK DATA

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| U0400 | Invalid Data Received | | |
| U0401 | Invalid Data Received From ECM/PCM "A" | | |
| U0402 | Invalid Data Received From TCM | | |
| U0403 | Invalid Data Received From Transfer Case Control Module | | |
| U0404 | Invalid Data Received From Gear Shift Control Module "A" | | |
| U0405 | Invalid Data Received From Cruise Control Module | | |
| U0406 | Invalid Data Received From Fuel Injector Control Module | | |
| U0407 | Invalid Data Received From Glow Plug Control Module | | |
| U0408 | Invalid Data Received From Throttle Actuator Control Module | | |
| U0409 | Invalid Data Received From Alternative Fuel Control Module | | |
| U040A | Invalid Data Received From Air Conditioning Control Module | | |
| U040B | Invalid Data Received From Exhaust Gas Recirculation Control Module "A" | | |
| U040C | Invalid Data Received From Exhaust Gas Recirculation Control Module "B" | | |
| U040D | Invalid Data Received From Turbocharger/Supercharger Control Module "A" | | |
| U040E | Invalid Data Received From Turbocharger/Supercharger Control Module "B" | | |
| U040F | Invalid Data Received From Reductant Control Module | | |
| U0410 | Invalid Data Received From Fuel Pump Control Module | | |
| U0411 | Invalid Data Received From Drive Motor Control Module "A" | | |
| U0412 | Invalid Data Received From Battery Energy Control Module "A" | | |
| U0413 | Invalid Data Received From Battery Energy Control Module "B" | | |
| U0414 | Invalid Data Received From Four-Wheel Drive Clutch Control Module | | |
| U0415 | Invalid Data Received From Anti-Lock Brake System (ABS) Control Module | | |
| U0416 | Invalid Data Received From Vehicle Dynamics Control Module | | |
| U0417 | Invalid Data Received From Park Brake Control Module | | |
| U0418 | Invalid Data Received From Brake System Control Module | | |
| U0419 | Invalid Data Received From Steering Effort Control Module | | |
| U041A | ISO/SAE Reserved | | |
| U041B | Invalid Data Received From Exhaust Gas Sensor Module | | |
| U041C | Invalid Data Received From Rocker Arm Control Module "A" | | |
| U041D | Invalid Data Received From Rocker Arm Control Module "B" | | |
| U041E | Invalid Data Received From All Wheel Drive Control Module | | |
| U041F | ISO/SAE Reserved | | |
| U0420 | Invalid Data Received From Power Steering Control Module | | |
| U0421 | Invalid Data Received From Suspension Control Module "A" | | |
| U0422 | Invalid Data Received From Body Control Module | | |
| U0423 | Invalid Data Received From Instrument Panel Cluster Control | | |
| | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|---------------|-----------|
| | Module | | |
| U0424 | Invalid Data Received From HVAC Control Module | | |
| U0425 | Invalid Data Received From Auxiliary Heater Control Module | | |
| U0426 | Invalid Data Received From Vehicle Immobilizer Control Module | | |
| U0427 | Invalid Data Received From Vehicle Security Control Module | | |
| U0428 | Invalid Data Received From Steering Angle Sensor Module | | |
| U0429 | Invalid Data Received From Steering Column Control Module | | |
| U042A | ISO/SAE Reserved | | |
| U042B | ISO/SAE Reserved | | |
| U042C | ISO/SAE Reserved | | |
| U042D | ISO/SAE Reserved | | |
| U042E | ISO/SAE Reserved | | |
| U042F | ISO/SAE Reserved | | |
| U0430 | Invalid Data Received From Tire Pressure Monitor Module | | |
| U0431 | Invalid Data Received From Body Control Module "A" | | |
| U0432 | Invalid Data Received From Multi-axis Acceleration Sensor Module | | |
| U0433 | Invalid Data Received From Cruise Control Front Distance Range | Single Sensor | |
| | Sensor | or Center | |
| U0434 | Invalid Data Received From Active Roll Control Module | _ | |
| U0435 | Invalid Data Received From Power Steering Control Module | Rear | |
| U0436 | Invalid Data Received From Differential Control Module | Front | |
| U0437 | Invalid Data Received From Differential Control Module | Rear | |
| U0438 | Invalid Data Received From Trailer Brake Control Module | | |
| U0439 | Invalid Data Received From All Terrain Control Module | | |
| U043A | Invalid Data Received From Suspension Control Module "B" | | |
| U043B | Invalid Data Received From Cruise Control Front Distance Range | Left | |
| U043C | Sensor | Diaht | |
| 00430 | Invalid Data Received From Cruise Control Front Distance Range Sensor | Right | |
| U043D | ISO/SAE Reserved | | |
| U043E | ISO/SAE Reserved | | |
| U043F | ISO/SAE Reserved | | |
| U0440 | ISO/SAE Reserved | | |
| U0441 | Invalid Data Received From Emissions Critical Control Information | | |
| U0442 | Invalid Data Received From ECM/PCM "B" | | |
| U0443 | Invalid Data Received From Body Control Module "B" | | |
| U0444 | Invalid Data Received From Body Control Module "C" | | |
| U0445 | Invalid Data Received From Body Control Module "D" | | |
| U0446 | Invalid Data Received From Body Control Module "E" | | |
| U0447 | Invalid Data Received From Gateway "A" | | |
| U0448 | Invalid Data Received From Gateway "B" | | |
| U0449 | Invalid Data Received From Gateway "C" | | |
| U044A | Invalid Data Received From Gateway "D" | | |
| U044B | ISO/SAE Reserved | | |
| U044C | ISO/SAE Reserved | | |
| U044D | ISO/SAE Reserved | | |
| U044E | ISO/SAE Reserved | | |
| U044F | ISO/SAE Reserved | | |
| U0450 | ISO/SAE Reserved | | |
| U0451 | Invalid Data Received From Gateway "E" | | |
| U0452 | Invalid Data Received From Restraints Control Module | | |
| U0453 | Invalid Data Received From Side Restraints Control Module | Left | |
| U0454 | Invalid Data Received From Side Restraints Control Module | Right | |
| | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|------------|
| U0455 | Invalid Data Received From Restraints Occupant Classification | Location | 1 OOL NOLE |
| 00433 | System Module | | |
| U0456 | Invalid Data Received From Coolant Temperature Control Module | | |
| U0457 | Invalid Data Received From Information Center "A" | | |
| U0458 | Invalid Data Received From Information Center "B" | | |
| U0459 | Invalid Data Received From Head Up Display | | |
| U045A | Invalid Data Received From Parking Assist Control Module "A" | | |
| U045B | ISO/SAE Reserved | | |
| U045C | ISO/SAE Reserved | | |
| U045D | ISO/SAE Reserved | | |
| U045E | ISO/SAE Reserved | | |
| U045F | ISO/SAE Reserved | | |
| U0460 | ISO/SAE Reserved | | |
| U0461 | Invalid Data Received From Audible Alert Control Module | | |
| U0462 | Invalid Data Received From Compass Module | | |
| U0463 | Invalid Data Received From Navigation Display Module | | |
| U0464 | Invalid Data Received From Navigation Control Module | | |
| U0465 | Invalid Data Received From PTO Control Module | | |
| U0466 | Invalid Data Received From HVAC Control Module | Rear | |
| U0467 | Invalid Data Received From Fuel Additive Control Module | itteai | |
| U0468 | Invalid Data Received From Fuel Cell Control Module | | |
| U0469 | Invalid Data Received From Starter / Generator Control Module | | |
| U046A | Invalid Data Received From Sunroof Control Module | | |
| U046B | Invalid Data Received From Global Positioning System Module | | |
| U046C | ISO/SAE Reserved | | |
| U046D | ISO/SAE Reserved | | |
| U046E | ISO/SAE Reserved | | |
| U046F | ISO/SAE Reserved | | |
| U0470 | ISO/SAE Reserved | | |
| U0471 | Invalid Data Received From "Restraints System Sensor A" | | |
| U0472 | Invalid Data Received From "Restraints System Sensor B" | | |
| U0473 | Invalid Data Received From "Restraints System Sensor C" | | |
| U0474 | Invalid Data Received From "Restraints System Sensor D" | | |
| U0475 | Invalid Data Received From "Restraints System Sensor E" | | |
| U0476 | Invalid Data Received From "Restraints System Sensor F" | | |
| U0477 | Invalid Data Received From "Restraints System Sensor G" | | |
| U0478 | Invalid Data Received From "Restraints System Sensor H" | | |
| U0479 | Invalid Data Received From "Restraints System Sensor I" | | |
| U047A | Invalid Data Received From "Restraints System Sensor J" | | |
| U047B | Invalid Data Received From "Restraints System Sensor K" | | |
| U047C | Invalid Data Received From "Restraints System Sensor L" | | |
| U047D | Invalid Data Received From "Restraints System Sensor M" | | |
| U047E | Invalid Data Received From "Restraints System Sensor N" | | |
| U047F | Invalid Data Received From Seatbelt Pretensioner Module "A" | | |
| U0480 | Invalid Data Received From Seatbelt Pretensioner Module "A" | | |
| U0481 | Invalid Data Received From Automatic Lighting Control Module | | |
| U0482 | Invalid Data Received From Headlamp Leveling Control Module | | |
| U0483 | Invalid Data Received From Lighting Control Module | Front | |
| U0484 | Invalid Data Received From Lighting Control Module | Rear "A" | |
| U0485 | Invalid Data Received From Radio | 71001 71 | |
| U0486 | Invalid Data Received From Antenna Control Module | | |
| U0487 | Invalid Data Received From Audio Amplifier "A" | | |
| | | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| U0488 | Invalid Data Received From Digital Disc Player/Changer | | |
| | Module "A" | | |
| U0489 | Invalid Data Received From Digital Disc Player/Changer | | |
| | Module "B" | | |
| U048A | Invalid Data Received From Digital Disc Player/Changer | | |
| LIOAOD | Module "C" | | |
| U048B | ISO/SAE Reserved | | |
| U048C | ISO/SAE Reserved | | |
| U048D | ISO/SAE Reserved | | |
| U048E | ISO/SAE Reserved | | |
| U048F | ISO/SAE Reserved | | |
| U0490 | ISO/SAE Reserved | | |
| U0491 | Invalid Data Received From Digital Disc Player/Changer | | |
| | Module "D" | | |
| U0492 | Invalid Data Received From Television | | |
| U0493 | Invalid Data Received From Personal Computer | | |
| U0494 | Invalid Data Received From "Digital Audio Control Module A" | | |
| U0495 | Invalid Data Received From "Digital Audio Control Module B" | | |
| U0496 | Invalid Data Received From Subscription Entertainment Receiver | | |
| | Module | | |
| U0497 | Invalid Data Received From Entertainment Control Module | Rear "A" | |
| U0498 | Invalid Data Received From Telephone Control Module | | |
| U0499 | Invalid Data Received From Telematic Control Module | | |
| U049A | Invalid Data Received From "Door Control Module A" | | |
| U049B – U04FF | ISO/SAE Reserved | | |
| | | | |

TABLE E6 - U05XX NETWORK DATA

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| U0500 | ISO/SAE Reserved | | |
| U0501 | Invalid Data Received From "Door Control Module B" | | |
| U0502 | Invalid Data Received From "Door Control Module C" | | |
| U0503 | Invalid Data Received From "Door Control Module D" | | |
| U0504 | Invalid Data Received From "Door Control Module E" | | |
| U0505 | Invalid Data Received From "Door Control Module F" | | |
| U0506 | Invalid Data Received From "Door Control Module G" | | |
| U0507 | Invalid Data Received From Folding Top Control Module | | |
| U0508 | Invalid Data Received From Moveable Roof Control Module | | |
| U0509 | Invalid Data Received From "Seat Control Module A" | | |
| U050A | Invalid Data Received From "Seat Control Module B" | | |
| U050B | ISO/SAE Reserved | | |
| U050C | ISO/SAE Reserved | | |
| U050D | ISO/SAE Reserved | | |
| U050E | ISO/SAE Reserved | | |
| U050F | ISO/SAE Reserved | | |
| U0510 | ISO/SAE Reserved | | |
| U0511 | Invalid Data Received From "Seat Control Module C" | | |
| U0512 | Invalid Data Received From "Seat Control Module D" | | |
| U0513 | Invalid Data Received From Yaw Rate Sensor Module | | |
| U0514 | Invalid Data Received From Mirror Control Module | | |
| U0515 | Invalid Data Received From Remote Function Actuation | | |
| U0516 | Invalid Data Received From "Door Switch A" | | |
| U0517 | Invalid Data Received From "Door Switch B" | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|---|----------|-----------|
| U0518 | Invalid Data Received From "Door Switch C" | | |
| U0519 | Invalid Data Received From "Door Switch D" | | |
| U051A | Invalid Data Received From "Door Switch E" | | |
| U051B | ISO/SAE Reserved | | |
| U051C | ISO/SAE Reserved | | |
| U051D | ISO/SAE Reserved | | |
| U051E | ISO/SAE Reserved | | |
| U051F | ISO/SAE Reserved | | |
| U0520 | ISO/SAE Reserved | | |
| U0521 | Invalid Data Received From "Door Switch F" | | |
| U0522 | Invalid Data Received From "Door Switch G" | | |
| U0523 | Invalid Data Received From "Door Window Motor A" | | |
| U0524 | Invalid Data Received From "Door Window Motor B" | | |
| U0525 | Invalid Data Received From "Door Window Motor C" | | |
| U0526 | Invalid Data Received From "Door Window Motor D" | | |
| U0527 | Invalid Data Received From "Door Window Motor E" | | |
| U0528 | Invalid Data Received From "Door Window Motor F" | | |
| U0529 | Invalid Data Received From "Door Window Motor G" | | |
| U052A | Invalid Data Received From Heated Steering Wheel Module | | |
| U052B | ISO/SAE Reserved | | |
| U052C | ISO/SAE Reserved | | |
| U052D | ISO/SAE Reserved | | |
| U052E | ISO/SAE Reserved | | |
| U052F | ISO/SAE Reserved | | |
| U0530 | ISO/SAE Reserved | | |
| U0531 | Invalid Data Received From Rear Gate Module | | |
| U0532 | Invalid Data Received From Rain Sensing Module | | |
| U0533 | Invalid Data Received From Side Obstacle Detection Control Module | Left | |
| U0534 | Invalid Data Received From Side Obstacle Detection Control Module | Right | |
| U0535 | Invalid Data Received From Convenience Recall Module | | |
| U0536 | Invalid Data Received From Lateral Acceleration Sensor Module | | |
| U0537 | Invalid Data Received From Column Lock Module | | |
| U0538 | Invalid Data Received From "Digital Audio Control Module C" | | ļ |
| U0539 | Invalid Data Received From "Digital Audio Control Module D" | | |
| U053A | Invalid Data Received From Entrapment Control Module "A" | | |
| U053B | Invalid Data Received From Image Processing Module "A" | | |
| U053C | Invalid Data Received From Image Processing Module "B" | | |
| U053D | Invalid Data Received From Image Processing Module "C" | | |
| U053E | ISO/SAE Reserved | | |
| U053F | ISO/SAE Reserved | | |
| U0540 | ISO/SAE Reserved | | |
| U0541 | Invalid Data Received From Entrapment Control Module "B" | | |
| U0542 | Invalid Data Received From Headlamp Control Module "A" | | |
| U0543 | Invalid Data Received From Headlamp Control Module "B" | | |
| U0544 | Invalid Data Received From Parking Assist Control Module "B" | | |
| U0545 | Invalid Data Received From Running Board Control Module | | |
| U0546 | Invalid Data Received From Entertainment Control Module | Front | |
| U0547 | Invalid Data Received From "Seat Control Module E" | | |
| U0548 | Invalid Data Received From "Seat Control Module F" | | |
| U0549 | Invalid Data Received From Remote Accessory Module | _ | |
| U054A | Invalid Data Received From Entertainment Control Module | Rear "B" | |
| U054B | Invalid Data Received From Interior Lighting Control Module | | |

| DTC Number | DTC Naming | Location | Foot Note |
|------------|--|----------|-------------|
| U054C | ISO/SAE Reserved | Location | 1 001 11010 |
| U054D | ISO/SAE Reserved | | |
| U054E | ISO/SAE Reserved | | |
| U054F | ISO/SAE Reserved | | |
| U0550 | ISO/SAE Reserved | | |
| U0551 | Invalid Data Received From Impact Classification System Module | | |
| U0552 | Invalid Data Received From Running Board Control Module "B" | | |
| U0553 | Invalid Data Received From Lighting Control Module | Rear "B" | |
| U0554 | Invalid Data Received From Accessory Protocol Interface Module | iteai b | |
| U0555 | Invalid Data Received From Remote Start Module | | |
| U0556 | Invalid Data Received From Front Display Interface Module | | |
| U0557 | Invalid Data Received From Front Controls Interface Module "A" | | |
| U0558 | Invalid Data Received From Front Controls/Display Interface Module | | |
| U0559 | Invalid Data Received From Radio Transceiver | | |
| U055A | Invalid Data Received From Special Purpose Vehicle Control | | |
| 0033A | Module "A" | | |
| U055B | Invalid Data Received From Special Purpose Vehicle Control | | |
| } | Module "B" | | |
| U055C | Invalid Data Received From Special Purpose Vehicle Control | | |
| | Module "C" | | |
| U055D | Invalid Data Received From Special Purpose Vehicle Control | | |
| | Module "D" | | |
| U055E | Invalid Data Received From Front Controls Interface Module "B" | | |
| U055F | ISO/SAE Reserved | | |
| U0560 | ISO/SAE Reserved | | |
| U0561 | Invalid Data Received From Seat Control Switch Module "A" | | |
| U0562 | Invalid Data Received From Seat Control Switch Module "B" | | |
| U0563 | Invalid Data Received From Audio Amplifier "B" | | |
| U0564 | Invalid Data Received From Speech Recognition Module | _ | |
| U0565 | Invalid Data Received From Camera Module | Rear | |
| U0566 | ISO/SAE Reserved | | |
| U0567 | ISO/SAE Reserved | | |
| U0568 | ISO/SAE Reserved | | |
| U0569 | ISO/SAE Reserved | | |
| U056A | ISO/SAE Reserved | | |
| U056B | ISO/SAE Reserved | | |
| U056C | ISO/SAE Reserved | | |
| U056D | ISO/SAE Reserved | | |
| U056E | ISO/SAE Reserved | | |
| U056F | ISO/SAE Reserved | | |
| U0570 | ISO/SAE Reserved | | |
| U0571 | ISO/SAE Reserved | | |
| U0572 | ISO/SAE Reserved | | |
| U0573 | ISO/SAE Reserved | | |
| U0574 | ISO/SAE Reserved | | |
| U0575 | ISO/SAE Reserved | | |
| U0576 | ISO/SAE Reserved | | |
| U0577 | ISO/SAE Reserved | | |
| U0578 | ISO/SAE Reserved | | |
| U0579 | ISO/SAE Reserved | | |
| U057A | ISO/SAE Reserved | | |
| U057B | ISO/SAE Reserved | | |
| U057C | ISO/SAE Reserved | | |

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|--|----------|-----------|
| U057D | ISO/SAE Reserved | | 1 |
| U057E | ISO/SAE Reserved | | |
| U057F | ISO/SAE Reserved | | |
| U0580 | ISO/SAE Reserved | | |
| U0581 | ISO/SAE Reserved | | |
| U0582 | ISO/SAE Reserved | | |
| U0583 | ISO/SAE Reserved | | |
| U0584 | ISO/SAE Reserved | | |
| U0585 | ISO/SAE Reserved | | |
| U0586 | ISO/SAE Reserved | | |
| U0587 | Invalid Data Received From With Radiator Anti Tamper Device | | |
| U0588 | Invalid Data Received From Transmission Fluid Pump Module | | |
| U0589 | Invalid Data Received From DC to AC Converter Control Module "A" | | |
| U058A | Invalid Data Received From DC to AC Converter Control Module "B" | | |
| U058B | ISO/SAE Reserved | | |
| U058C | ISO/SAE Reserved | | |
| U058D | ISO/SAE Reserved | | |
| U058E | ISO/SAE Reserved | | |
| U058F | ISO/SAE Reserved | | |
| U0590 | ISO/SAE Reserved | | |
| U0591 | ISO/SAE Reserved | | |
| U0592 | Invalid Data Received From Gear Shift Control Module "B" | | |
| U0593 | Invalid Data Received From Drive Motor Control Module "B" | | |
| U0594 | Invalid Data Received From Hybrid Powertrain Control Module | | |
| U0595 | Invalid Data Received From Powertrain Control Monitor Module | | |
| U0596 | Invalid Data Received From AC to AC Converter Control Module | | |
| U0597 | Invalid Data Received From AC to DC Converter Control Module "A" | | |
| U0598 | Invalid Data Received From AC to DC Converter Control Module "B" | | |
| U0599 | Invalid Data Received From DC to DC Converter Control Module "A" | | |
| U059A | Invalid Data Received From DC to DC Converter Control Module "B" | | |
| U059B | Invalid Data Received From Hybrid Battery Pack Sensor Module | | |
| U059C | Invalid Data Received From Drive Motor Control Module "C" | | |
| U059D | Invalid Data Received From Drive Motor Control Module "D" | | |
| U059E | Invalid Data Received From NOX Sensor "A" | | |
| U059F | Invalid Data Received From NOX Sensor "B" | | |
| U05A0 – U05FF | ISO/SAE Reserved | | |

TABLE E7 - U06XX - U0FXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|------------------|
| U0600 | ISO/SAE Reserved | | |

TABLE E8 - U1XXX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| U1000 | Manufacturer Controlled DTC | | |

TABLE E9 - U2XXX MANUFACTURER CONTROLLED DTC

| DTC Number | DTC Naming | Location | Foot Note |
|------------|-----------------------------|----------|-----------|
| U2000 | Manufacturer Controlled DTC | | |

TABLE E10 - U30XX CONTROL MODULE/POWER DISTRIBUTION

| DTC Number | DTC Naming | Location | Foot Note |
|---------------|-----------------------------------|----------|-----------|
| U3000 | Control Module | | |
| U3001 | Control Module Improper Shutdown | | |
| U3002 | Vehicle Identification Number | | |
| U3003 | Battery Voltage | | |
| U3004 | Accessory Power Relay | | |
| U3005 | Retained Accessory Power | | |
| U3006 | Control Module Input Power "A" | | |
| U3007 | Control Module Input Power "B" | | |
| U3008 | Control Module Ground "A" | | |
| U3009 | Control Module Ground "B" | | |
| U300A | Ignition Switch | | |
| U300B | Ignition Input Accessory/On/Start | | |
| U300C | Ignition Input Off/On/Start | | |
| U300D | Ignition Input On/Start | | |
| U300E | Ignition Input On | | |
| U300F | Ignition Input Accessory | | |
| U3010 | Ignition Input Start | | |
| U3011 | Ignition Input Off | | |
| U3012 – U30FF | ISO/SAE Reserved | | |

TABLE E11 - U31XX - U3FXX ISO/SAE RESERVED

| DTC Number | DTC Naming | Location | Foot Note |
|------------|------------------|----------|-----------|
| U3100 | ISO/SAE Reserved | | |

APPENDIX F0 - FAILURE TYPE BYTE

Terms and Definitions

Introduction

FTB is defined as the Failure Type Byte in extended DTCs most commonly used in CAN networks. The FTB is used with a base DTC made of two bytes designating the DTC number and B,C,P or U type. The base DTC will not specify a failure type such as an open or short circuit condition. Instead the failure type is specified by the FTB and is reported by an ECU with the base DTC. In effect then a reported DTC is made of the total of the three bytes. This standard leaves the choice of concatinating the information or separating the base DTC from the FTB open in regard to display for tools or information.

DTC Failure Category and Sub Type Definition

The DTC Failure Type Byte defines the DTC Failure Category and Sub Type of a base DTC. It represents the type of fault in the circuit or system (e.g. sensor open circuit, sensor shorted to ground, algorithm based failure, etc).

DTC Failure Type Byte Parameter Definition

The DTC Failure Type consists of sixteen (16) different Failure Categories, where each category is associated with sixteen (16) Sub Type Failures (also known as symptoms). The Sub Type Failures are logically grouped in a DTC Failure Type Category. This shall simplify the selection of the appropriate Sub Type Failure {Symptom} for a DTC. The DTC Failure Category is coded in the High Nibble of the "DTC Failure Type Byte" and the Failure Sub Type is coded in the Low Nibble of the "DTC Failure Type Byte".

DTC Selection

The DTC annexes of SAE J2012 and ISO 15031-6 documents define many two byte DTCs with failure type information. If such a standard DTC is already defined for a component / system and that DTC description already comprehends the DTC Failure Type information, then the standard DTC number can be used and the DTC Failure Type Byte shall be set to a value of 00 hex. A DTC Failure Type Byte value of 00 hex indicates that no additional sub type information is contained in the DTC Failure Type Byte.

The following examples show three (3) principle combinations of DTC and DTC Failure Type Byte.

(012700 hex): P0127 Intake Air Temperature Too High

An emissions related DTC which does not require any additional description included in the DTC Failure Type Byte (no DTC Failure Category name and no DTC Failure Sub Type)

(803901 hex): B0039-01 Second Row Right Frontal Stage 1 Deployment Control - General Electrical Failure A DTC which requires an additional description included in the DTC Failure Type Byte (DTC Failure Category name and DTC Failure Sub Type \$01)

(403123 hex): C0031-23 Left Front Wheel Speed Sensor -General Signal Failure - Signal Stuck Low A DTC which requires an additional description included in the DTC Failure Type Byte (DTC Failure Category name and DTC Failure Sub Type \$23)

| Failure Type | | |
|--------------|---|---|
| Byte (hex) | FTB Category | FTB Category Description |
| 00-0F | General Failure Information | This range includes all other categories and is used when the fault within that failure category is unique (not amenable to standardization through assignment of a new Sub Type) or when the detected fault is best described by two or more Sub Types within that Failure Category. |
| 10-1F | General Electrical Failures | This range specifies the standard wiring failure modes (i.e., shorts and opens), and direct current (DC) quantities related by Ohm's Law. |
| 20-2F | General Signal Failures | This range specifies quantities related to amplitude, frequency or rate of change, and wave shape. |
| 30-3F | FM (Frequency Modulation) / PWM (Pulse Width Modulation) Failures | This range specifies faults related to Frequency Modulated (FM) and Pulse Width Modulated (PWM) inputs and outputs of the control module. This category also includes faults where position is determined by counts. |
| 40-4F | System Internal Failures | This range specifies faults related to memory, software, and internal electrical circuitry; requiring component (control module, sensor, etc.) replacement. |
| 50-5F | System Programming Failures | This range specifies faults related to operational software, calibrations, and options; remedied by configuring/programming a part of the system (control module, sensor, etc.). |
| 60-6F | Algorithm Based Failures | This range specifies faults based on comparing two or more input parameters for plausibility, comparing a single parameter to itself with respect to time, or inhibits operation due to a reported failure of that circuit. |
| 70-7F | Mechanical Failures | This range specifies faults detected by inappropriate motion in response to control module related input/controlled output. |
| 80-8F | Bus Signal Failures | This range specifies faults related to bus hardware and signal integrity. This category is also used when the physical input for a signal is located in one control module and another control module diagnoses the circuit. |
| 90-9F | Component Failures | This range specifies faults related to components connected to or monitored by a control module that do not themselves communicate to a scan tool via the data link connector. This range also specifies non-electrical faults related to components connected to or monitored by a control module. |
| A0-AF | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B0-BF | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| C0-CF | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| D0-DF | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| E0-EF | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| F0-FF | Vehicle Manufacturer / System Supplier Specific | This range is reserved for vehicle manufacturer/system supplier use. |

| Failure Type Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
|----------------------------|------------------------------|--|
| 00 | No Sub Type Information | This sub type is used for failures where the base DTC text string |
| 00 | No Sub-Type Information | provides the complete description of the failure itself (no Category |
| | | and no Sub Type information used, e.g. emissions-related DTC |
| | | (012700 hex): P0127 Intake Air Temperature Too High). |
| 01 | General Electrical Failure | This sub type is used for General Electrical Failures that cannot be |
| | | assigned to a specific sub type (Category information and no Sub |
| | | Type information, e.g. DTC (803901): B0039-01 Second Row Right |
| 02 | General Signal Failure | Frontal Stage 1 Deployment Control - General Electrical Failure). This sub type is used for General Signal Failures that cannot be |
| 02 | General Signal Fallure | assigned to a specific sub type (Category information and no Sub |
| | | Type information, e.g. DTC (403002): C0030 Left Front Tone Wheel |
| | | - General Signal Failure). |
| 03 | FM (Frequency Modulated) / | This sub type is used for FM / PWM Failures that cannot be |
| | PWM (Pulse Width Modulated) | assigned to a specific sub type. |
| 0.4 | Failure | This cub type is used for central module Internal Failures that connet |
| 04 | System Internal Failure | This sub type is used for control module Internal Failures that cannot be assigned to a specific sub type. |
| 05 | System Programming Failure | This sub type is used for System Programming Failures that cannot |
| 05 | System Frogramming Failure | be assigned to a specific sub type. |
| 06 | Algorithm Based Failure | This sub type is used for Algorithm Based Failures that cannot be |
| | 3 | assigned to a specific sub type. |
| 07 | Mechanical Failure | This sub type is used for Mechanical Failures that cannot be |
| 00 | D 0: 1/M F " | assigned to a specific sub type. |
| 08 | Bus Signal / Message Failure | This sub type is used for Bus Signal / Message Failures that cannot be assigned to a specific sub type. |
| 09 | Component Failure | This sub type is used for Component Failures that cannot be |
| 00 | Component and C | assigned to a specific sub type. |
| 0A | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 0B | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 0C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 0D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 0E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 0F | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 10 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 11 | Circuit Short To Ground | This sub type is used for failures, where the control module |
| | | measures ground (battery negative) potential for greater than a specified time period or when some other value is expected. |
| 12 | Circuit Short To Battery | This sub type is used for failures, where the control module |
| | | measures vehicle system (battery positive) potential for greater than |
| | | a specified time period or when some other value is expected. |
| 13 | Circuit Open | This sub type is used for failures, where the control module |
| | | determines an open circuit via lack of bias voltage, low current flow, |
| 14 | Circuit Short To Ground or | no change in the state of an input in response to an output, etc. This sub type is used for failures, where the condition detected by |
| 14 | Open | the control module is the same for either indicated failure mode. |
| 15 | Circuit Short To Battery or | This sub type is used for failures, where the condition detected by |
| 10 | Open | the control module is the same for either indicated failure mode. |
| 16 | Circuit Voltage Below | This sub type is used for failures, where the control module |
| . • | Threshold | measures a voltage below a specified range but not necessarily a |
| | | short to ground. |
| 17 | Circuit Voltage Above | This sub type is used for failures where, the control module |
| | Threshold | measures a voltage above a specified range but not necessarily a |
| | | short to battery. |

| Failure Type | | |
|--------------|--|--|
| Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
| 18 | Circuit Current Below Threshold | This sub type is used for failures, where the control module measures current flow below a specified range. |
| 19 | Circuit Current Above Threshold | This sub type is used for failures, where the control module measures current flow above a specified range. |
| 1A | Circuit Resistance Below Threshold | This sub type is used for failures, where the control module infers a circuit resistance below a specified range. |
| 1B | Circuit Resistance Above Threshold | This sub type is used for failures, where the control module infers a circuit resistance above a specified range. |
| 1C | Circuit Voltage Out of Range | This sub type is used for failures, where the control module measures a voltage outside the expected range but not identified as too high or too low. |
| 1D | Circuit Current Out of Range | This sub type is used for failures, where the control module measures a current outside the expected range but not identified as too high or too low. |
| 1E | Circuit Resistance Out of Range | This sub type is used for failures, where the control module measures a resistance outside the expected range but not identified as too high or too low. |
| 1F | Circuit Intermittent | This sub type is used for failures, where the control module momentarily detects one of the conditions defined above, but not long enough to set a specific sub type. |
| 20 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 21 | Signal Amplitude < Minimum | This sub type is used for failures where the control module measures a signal voltage below a specified range but not necessarily a short to ground (e.g., low gain). |
| 22 | Signal Amplitude > Maximum | This sub type is used for failures where the control module measures a signal voltage above a specified range but not necessarily a short to battery (e.g., gain too high). |
| 23 | Signal Stuck Low | This sub type is used for failures where the control module measures a signal that remains low when transitions are expected. |
| 24 | Signal Stuck High | This sub type is used for failures where the control module measures a signal that remains high when transitions are expected. |
| 25 | Signal Shape / Waveform Failure | This sub type is used for failures where the shape of the signal (plot of the amplitude with respect to time) is not correct, e.g., improper circuit impedance. |
| 26 | Signal Rate of Change Below Threshold | This sub type is used for failures where the signal transitions more slowly than is reasonably allowed. |
| 27 | Signal Rate of Change Above Threshold | This sub type is used for failures where the signal transitions more quickly than is reasonably allowed. |
| 28 | Signal Bias Level Out of Range / Zero Adjustment Failure | This sub type is used for failures where the control module applies a bias voltage or a zero signal level to a circuit upon which is superimposed a signal voltage (e.g., bias voltage to an Oxygen Sensor circuit, or a filtered digital m/sec ² signal while vehicle stands still for a lateral accelerator sensor module.) |
| 29 | Signal Invalid | This sub type is used for failures where the value of the signal is not plausible given the operating conditions. |
| 2A | Signal Stuck In Range | This sub type is used for failures where the value of the signal is in the normal operating range, but not correct for current operating conditions. |
| 2B | Signal Cross Coupled | This sub type is used when a signal is found to be incorrectly correlated to another signal that the server is monitoring, indicating that the signals are shorted together |
| 2C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 2D 2E | ISO/SAE Reserved ISO/SAE Reserved | This value is reserved by the document for future expansion. This value is reserved by the document for future expansion. |

| Failure Type Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
|----------------------------|--|---|
| 2F | Signal Erratic | This sub type is used for failures where the signal is momentarily implausible (not long enough for "signal invalid") or discontinuous. |
| 30 31 | ISO/SAE Reserved No Signal | This value is reserved by the document for future expansion. This sub type is used for failures where the control module does not detect a signal which ought to be present (e.g., wheel speed signals present for three of the four wheels and brakes not applied.) |
| 32 | Signal Low Time < Minimum | This sub type is used for failures where the control module detects the low pulse is too narrow with respect to time. |
| 33 | Signal Low Time > Maximum | This sub type is used for failures where the control module detects the low pulse is too wide with respect to time. |
| 34 | Signal High Time < Minimum | This sub type is used for failures where the control module detects the high pulse is too narrow with respect to time. |
| 35 | Signal High Time > Maximum | This sub type is used for failures where the control module detects the high pulse is too wide with respect to time. |
| 36 | Signal Frequency Too Low | This sub type is used for failures where the control module detects excessive duration for one cycle of the output across a specified sample size. |
| 37 | Signal Frequency Too High | This sub type is used for failures where the control module detects insufficient duration for one cycle of the output across a specified sample size. |
| 38 | Signal Frequency Incorrect | This sub type is used for failures where the control module measures an incorrect number of cycles in a given time period. |
| 39 | Signal Has Too Few Pulses | This sub type is used for failures where the control module measures too few pulses (e.g., position is calibrated in counts from one extreme to the other). |
| 3A | Signal Has Too Many Pulses | This sub type is used for failures where the control module measures too many pulses (e.g., position is calibrated in counts from one extreme to the other). |
| 3B | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 3C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 3D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 3E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 3F | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 40 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 41 | General Checksum Failure | This sub type is used by the control module to indicate an incorrect checksum calculation where memory type is not specified. |
| 42 | General Memory Failure | This sub type is used by the control module to indicate a memory failure where memory type is not specified. |
| 43 | Special Memory Failure | This sub type is used by the control module to indicate a memory failure where the specific memory type is not defined in this category. |
| 44 | Data Memory Failure | This sub type is used by the control module to indicate a data (or working) memory failure for embedded systems using FLASH memory. This is equivalent to RAM in RAM/ROM/EEPROM embedded systems. |
| 45 | Program Memory Failure | This sub type is used by the control module to indicate a program memory failure for embedded systems using FLASH memory. This is equivalent to ROM in RAM/ROM/EEPROM embedded systems. |
| 46 | Calibration / Parameter Memory Failure | This sub type is used by the control module to indicate a calibration / parameter memory failure for embedded systems using FLASH memory. This is equivalent to EEPROM in RAM/ROM/EEPROM embedded systems. |
| 47 | Watchdog / Safety μC Failure | This sub type is used by the control module to indicate a watchdog / safety μC failure. |

| Failure Type | | |
|--------------|--|---|
| Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
| 48 | Supervision Software Failure | This sub type is used by the control module to indicate a supervision software failure. |
| 49 | Internal Electronic Failure | This sub type is used by the control module to indicate the detection of an internal circuit failure. |
| 4A | Incorrect Component Installed | This sub type is used by the control module to indicate a mismatch between the hardware connected to the control module and the hardware expected by the control module. |
| 4B | Over Temperature | This sub type is used by the control module to indicate the detection of an internal temperature above the expected range. |
| 4C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 4D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 4E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 4F | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 50 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 51 | Not Programmed | This sub type is used by the control module to indicate that programming is required. |
| 52 | Not Activated | This sub type is used by the control module to indicate that some portion of the program has not been enabled. |
| 53 | Deactivated | This sub type is used by the control module to indicate that that some portion of the program has been disabled. |
| 54 | Missing Calibration | This sub type is used by the control module to indicate that an operational range, etc., for a sensor or actuator must be taught to the control module, e.g. by programming or learning. |
| 55 | Not Configured | This sub type is used by the control module to indicate the need to enter (program) the sub system option content or the vehicle option content. |
| 56 | Invalid / Incompatible Configuration | This sub type indicates a control module or system configuration that cannot be valid, e.g. to have mutually exclusive options set on at the same time, or a set up that is not supported by the currently installed hardware/software. |
| 57 | Invalid / Incompatible Software Component | This sub type is used by the control module to indicate that a software component (calibration or program) has been identified as invalid for the control module or incompatible with other hardware or software identified by the control module, e.g. a downloaded calibration software component is incompatible with a permanent or downloaded strategy software component. |
| 58 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 59 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 5A | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 5B | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 5C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 5D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 5E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 5F | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 60 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 61 | Signal Calculation Failure | This sub type is used for algorithm based calculation failures. |
| 62 | Signal Compare Failure | This sub type is used for failures where the control module compares two or more input parameters for plausibility. |
| 63 | Circuit / Component Protection Time-Out | This sub type is used for failures where the control module detects a function is active for greater than a specified time period. |
| 64 | Signal Plausibility Failure | This sub type is used for failures where the control module detects a single input parameter for plausibility. |

| Failure Type | | |
|--------------|---|--|
| Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
| 65 | Signal Has Too Few Transitions / Events | This sub type is used for failures where the control module monitors a parameter over time within specified limits and detects fewer than the expected number of transitions. |
| 66 | Signal Has Too Many Transitions / Events | This sub type is used for failures where the control module monitors a parameter over time within specified limits and detects more than the expected number of transitions. |
| 67 | Signal Incorrect After Event | This sub type is used for failures where the control module does not see the correct change of a parameter or group of parameters in response to a particular event. |
| 68 | Event Information | This sub type is used by the control module to indicate the detection of a system event that was not caused by the control module itself but forces the control module to store a DTC (e.g. missing functionality from another system/control module). |
| 69 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 6A | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 6B | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 6C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 6D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 6E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 6F | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 70 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 71 | Actuator Stuck | This sub type is used for failures where the control module does not |
| | Actuator Stack | detect any motion in response to energizing a motor, solenoid, relay, etc. |
| 72 | Actuator Stuck Open | This sub type is used for failures where the control module does not detect any motion upon commanding the operation of a motor, solenoid, relay, etc., to close some piece of equipment. |
| 73 | Actuator Stuck Closed | This sub type is used for failures where the control module does not detect any motion upon commanding the operation of a motor, solenoid, relay, etc., to open some piece of equipment. |
| 74 | Actuator Slipping | This sub type is used for failures where the control module detects excessive duration to command a motor, solenoid, relay, etc., to move a piece of equipment to a desired position. |
| 75 | Emergency Position Not Reachable | This sub type is used for failures where the control module is unable to command a motor, solenoid, relay, etc., to move a piece of equipment to the emergency position. |
| 76 | Wrong Mounting Position | This sub type is used for failures where the control module detects incorrectly mounted components, e.g., acceleration sensor showing a position error of 90°. |
| 77 | Commanded Position Not Reachable | This sub type is used for failures where the control module is unable to command a motor, solenoid, relay, etc., to move a piece of equipment to the commanded position either due to a failure in the actuator or its mechanical environment. |
| 78 | Alignment or Adjustment Incorrect | This sub type is used for failures where the control module detects incorrectly adjusted or aligned components. |
| 79 | Mechanical Linkage Failure | This sub type is used for failures where the control module detects that the actuator is operational but the driven device is not operating, e.g., drive cable for power sliding door broken. |
| 7A | Fluid Leak or Seal Failure | This sub type is used for failures where the control module detects that a mechanical component has an unexpected gas or liquid flow in, out, or through the component. |
| 7B | Low Fluid Level | This sub type is used for failures where the control module detects that a fluid level is too low for proper operation of the system. |
| 7C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 7D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |

| Failure Type | | |
|--------------|---|--|
| Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
| 7E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 7F | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 80 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 81 | Invalid Serial Data Received | This sub type is used by the control module to indicate a signal was received with the corresponding validity bit equal to "invalid" or post processing of the signal determines it is invalid. |
| 82 | Alive / Sequence Counter Incorrect / Not Updated | This sub type is used by the control module to indicate that a signal was received without the corresponding rolling count value being properly updated. |
| 83 | Value of Signal Protection Calculation Incorrect | This sub type is used by the control module to indicate, that a message was processed with an incorrect protection (checksum) calculation. |
| 84 | Signal Below Allowable Range | This sub type is used for failures where some circuit quantity, reported via serial data, is below a specified range. |
| 85 | Signal Above Allowable Range | This sub type is used for failures where some circuit quantity, reported via serial data, is above a specified range. |
| 86 | Signal Invalid | This sub type is used for failures where some circuit quantity, reported via serial data, is not plausible given the operating conditions. |
| 87 | Missing Message | This sub type is used for failures where one (or more) expected message(s) is not received, e.g., periodic transmission where the repetition time is too high, or message not received as a result of unforeseen reset events of the concerning component (e.g. engine control unit communicating with ABS). |
| 88 | Bus off | This sub type is used for failures where a data bus is not available. |
| 89 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 8A | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 8B | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 8C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 8D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 8E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 8F | Erratic | This sub type is used for failures where the signal, reported via serial data, is momentarily implausible or discontinuous. |
| 90 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 91 | Parametric | This sub type is used for failures where the control module has detected that a component parameter (e.g., capacitance or inductance) is outside its expected range. |
| 92 | Performance or Incorrect Operation | This sub type is used for failures where the control module has detected that the component performance is outside its expected range or operating in an incorrect way. |
| 93 | No Operation | This sub type is used for failures where the control module has detected that the component is not operating. |
| 94 | Unexpected Operation | This sub type is used for failures where the control module has detected that the component is operating in a way or at a time that it has not been commanded to operate. |
| 95 | Incorrect Assembly | This sub type is used for failures where the control module has detected that the component has been incorrectly installed (e.g., hydraulic pipes crossed over, circuits cross wired) or polarity errors. |
| 96 | Component Internal Failure | This sub type is used for failures where the control module has received an indication about the component that indicates a failure (e.g., an intelligent actuator or sensor) is indicating an internal fault. |
| 97 | Component or System Operation Obstructed or Blocked | This sub type is used for failures where the control module has detected that the operation of a component is prevented by an obstruction, e.g., advanced cruise system radar beam obstructed. |

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|----------------------------|-----------------------------------|---|
| Failure Type Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
| 98 | Component or System Over | This sub type is used for failures where the control module has |
| | Temperature | detected that the temperature is too high for the correct operation of |
| | · | the component or system. |
| 99 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 9A | Component or System | This sub type is used for failures where the control module has |
| | Operating Conditions | detected that environmental or other operating conditions are either |
| | | temporarily or permanently outside the design limits for correct |
| | | operation such that all or part of a component function is inhibited or fails, e.g. a radio is disabled because its LCD display or its CD |
| | | mechanism cannot operate at a low ambient temperature. |
| 9B | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 9C | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 9D | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 9E | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| 9F | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A0 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A1 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A2 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A3 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A4 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A5 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A6 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A7 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A8 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| A9 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| AA | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| AB | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| AC | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| AD | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| AE | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| AF | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B0 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B1 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B2 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B3 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B4 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B5 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| B6 B7 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| В <i>1</i> В8 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| В8 В9 | ISO/SAE Reserved ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| BA | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| BB | ISO/SAE Reserved | This value is reserved by the document for future expansion. This value is reserved by the document for future expansion. |
| ВС | ISO/SAE Reserved | This value is reserved by the document for future expansion. This value is reserved by the document for future expansion. |
| BD | ISO/SAE Reserved | This value is reserved by the document for future expansion. This value is reserved by the document for future expansion. |
| BE | ISO/SAE Reserved | This value is reserved by the document for future expansion. This value is reserved by the document for future expansion. |
| BF | ISO/SAE Reserved | This value is reserved by the document for future expansion. This value is reserved by the document for future expansion. |
| C0 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| C1 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| C2 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| C3 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
| C4 | ISO/SAE Reserved | This value is reserved by the document for future expansion. |
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Failure Type

| Failure Type | | |
|--------------|----------------------|--|
| Byte (hex) | DTC Sub Type Title | DTC Sub Type Description |
| F8 | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |
| F9 | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |
| FA | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |
| FB | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |
| FC | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |
| FD | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |
| FE | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |
| FF | Manufacturer Defined | This value is reserved for vehicle manufacturer/system supplier use. |