

2013 DTC INDEX

Malibu

ANTILOCK BRAKE SYSTEM - DIAGNOSTIC TROUBLE CODES

ANTILOCK BRAKE SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B2745</u>	DTC B2745 02 Traction Control Switch Circuit Short to Ground
<u>DTC C0035, C0040, C0045, or C0050</u>	DTC C0035 06 Left Front Wheel Speed Sensor Circuit Low Voltage/Open DTC C0035 0F Left Front Wheel Speed Sensor Circuit Signal Erratic DTC C0035 18 Left Front Wheel Speed Sensor Circuit Low Signal Amplitude DTC C0035 5A Left Front Wheel Speed Sensor Circuit Not Plausible DTC C0040 06 Right Front Wheel Speed Sensor Circuit Low Voltage/Open DTC C0040 0F Right Front Wheel Speed Sensor Circuit Signal Erratic DTC C0040 18 Right Front Wheel Speed Sensor Circuit Low Signal Amplitude DTC C0040 5A Right Front Wheel Speed Sensor Circuit Not Plausible DTC C0045 06 Left Rear Wheel Speed Sensor Circuit Low Voltage/Open DTC C0045 0F Left Rear Wheel Speed Sensor Circuit Signal Erratic DTC C0045 18 Left Rear Wheel Speed Sensor Circuit Low Signal Amplitude DTC C0045 5A Left Rear Wheel Speed Sensor Circuit Not Plausible DTC C0050 06 Right Rear Wheel Speed Sensor Circuit Low Voltage/Open DTC C0050 0F Right Rear Wheel Speed Sensor Circuit Signal Erratic DTC C0050 18 Right Rear Wheel Speed Sensor Circuit Low Signal Amplitude DTC C0050 5A Right Rear Wheel Speed Sensor Circuit Not Plausible
<u>DTC C0110</u>	DTC C0110 06 Pump Motor Circuit Low Voltage/Open DTC C0110 61 Pump Motor Circuit Stuck
<u>DTC C0131</u>	DTC C0131 00 Traction Control System Pressure Circuit Malfunction DTC C0131 4B Traction Control System Pressure Circuit Calibration Not Learned DTC C0131 5A Traction Control System Pressure Circuit Not Plausible
<u>DTC C0161</u>	DTC C0161 5A Antilock Braking System Brake Switch Circuit Not Plausible DTC C0161 71 Antilock Braking System Brake Switch Circuit Invalid Data
<u>DTC C0187, C018B, C0196, C019B, C0287, or C0297</u>	DTC C0187 5A Lateral Acceleration Sensor Signal Not Plausible DTC C018B 5A Lateral Acceleration Sensor Signal Not Plausible DTC C0196 00 Yaw Rate Circuit

	DTC C0196 5A Yaw Rate Signal Not Plausible DTC C0196 71 Yaw Rate Circuit Invalid Serial Data Received DTC C019B 5A Yaw Rate Signal Not Plausible DTC C0287 00 Longitudinal Acceleration Sensor Circuit DTC C0287 4B Longitudinal Acceleration Sensor Circuit Calibration Not Learned DTC C0287 5A Longitudinal Acceleration Sensor Signal Not Plausible DTC C0287 71 Longitudinal Acceleration Sensor Signal Invalid Serial Data Received DTC C0297 4A Lost Communication With Yaw Rate Sensor Checksum Error
<u>DTC C0242 or P0856</u>	DTC C0242 00 Engine Control Module Indicated Traction Control Malfunction DTC P0856 Traction Control Torque Request Signal Message Counter Incorrect
<u>DTC C0245</u>	DTC C0245 00 Wheel Speed Sensor Frequency Malfunction
<u>DTC C0252</u>	DTC C0252 00 Vehicle Stability Control Module Sensors Correlation Malfunction
<u>DTC C0274, C0275, or C0280</u>	DTC C0274 54 Isolation Valve High Temperature DTC C0275 54 Dump Valve High Temperature DTC C0280 54 Stability System Active Too Long
<u>DTC C0558</u>	DTC C0558 4B Calibration Data Calibration Not Learned
<u>DTC C0569</u>	DTC C0569 00 System Configuration Malfunction
<u>DTC C0710</u>	DTC C0710 00 Steering Position Signal Malfunction DTC C0710 42 Steering Position Signal Calibration Not Programmed DTC C0710 71 Steering Position Signal Invalid Data DTC C0710 5A Steering Position Signal Not Plausible
<u>DTC P2548</u>	DTC P2548 Vehicle Dynamics System Torque Request Signal Message Counter Incorrect

AUTOMATIC TRANSMISSION - 6T40 (MH8,MHH) - DIAGNOSTIC TROUBLE CODES

AUTOMATIC TRANSMISSION - 6T40 (MH8,MHH) - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P057B-P057D</u>	DTC P057B Brake Pedal Position Sensor Performance DTC P057C Brake Pedal Position Sensor Circuit Low Voltage DTC P057D Brake Pedal Position Sensor Circuit High Voltage
<u>DTC P0601, P0603, P0604, or P062F</u>	DTC P0601 Control Module Read Only Memory Performance DTC P0603 Control Module Long Term Memory Reset DTC P0604 Control Module Random Access Memory Performance DTC P062F Control Module Long Term Memory Performance
<u>DTC P0634</u>	DTC P0634 Control Module Overtemperature
<u>DTC P0658 or P0659</u>	DTC P0658 Actuator High Control Circuit Group 1 Low Voltage DTC P0659 Actuator High Control Circuit Group 1 High Voltage

<u>DTC P0667, P0668, or P0669</u>	DTC P0667 Control Module Temperature Sensor Performance DTC P0668 Control Module Temperature Sensor Circuit Low Voltage DTC P0669 Control Module Temperature Sensor Circuit High Voltage
<u>DTC P06AC, P06AD, or P06AE</u>	DTC P06AC Control Module Power Up Temperature Sensor Performance DTC P06AD Control Module Power Up Temperature Sensor Circuit Low Voltage DTC P06AE Control Module Power Up Temperature Sensor Circuit High Voltage
<u>DTC P0711-P0713</u>	DTC P0711 Transmission Fluid Temperature Sensor Performance DTC P0712 Transmission Fluid Temperature Sensor Circuit Low Voltage DTC P0713 Transmission Fluid Temperature Sensor Circuit High Voltage
<u>DTC P0716, P0717, P07BF, or P07C0</u>	DTC P0716 Input Speed Sensor Performance DTC P0717 Input Speed Sensor Circuit No Signal DTC P07BF Input Speed Sensor Circuit Low Voltage DTC P07C0 Input Speed Sensor Circuit High Voltage
<u>DTC P0722, P0723, P077C, or P077D</u>	DTC P0722 Output Speed Sensor Circuit No Signal DTC P0723 Output Speed Sensor Circuit Intermittent DTC P077C Output Speed Sensor Circuit Low Voltage DTC P077D Output Speed Sensor Circuit High Voltage
<u>DTC P0741 or P0742</u>	DTC P0741 Torque Converter Clutch (TCC) System Stuck Off - Transmission Hydraulic/Mechanical Performance DTC P0742 Torque Converter Clutch (TCC) System Stuck On - Transmission Hydraulic/Mechanical Performance
<u>DTC P0751 or P0752</u>	DTC P0751 Shift Solenoid Valve 1 Performance - Stuck Off - Transmission Hydraulic/Mechanical Performance DTC P0752 Shift Solenoid Valve 1 Performance - Stuck On - Transmission Hydraulic/Mechanical Performance
<u>DTC P0776 or P0777 (Gen 2)</u>	DTC P0776 Pressure Control Solenoid Valve 2 Stuck Off - Transmission Hydraulic/Mechanical Performance DTC P0777 Pressure Control Solenoid Valve 2 Stuck On - Transmission Hydraulic/Mechanical Performance
<u>DTC P0796 or P0797 (Gen 2)</u>	DTC P0796 Pressure Control Solenoid Valve 3 Stuck Off - Transmission Hydraulic/Mechanical Performance DTC P0797 Pressure Control Solenoid Valve 3 Stuck On - Transmission Hydraulic/Mechanical Performance
<u>DTC P0815, P0816, or P0826</u>	DTC P0815 Upshift Switch Circuit DTC P0816 Downshift Switch Circuit DTC P0826 Up and Down Shift Switch Circuit
<u>DTC P0850-P0852</u>	DTC P0850 Park/Neutral Position Switch Circuit DTC P0851 Park/Neutral Position Switch Circuit Low Voltage DTC P0852 Park/Neutral Position Switch Circuit High Voltage
<u>DTC P0961-P0963</u>	DTC P0961 Line Pressure Control Solenoid Valve Performance DTC P0962 Line Pressure Control Solenoid Valve Control Circuit Low

	DTC P0963 Line Pressure Control Solenoid Valve Control Circuit High Voltage
<u>DTC P0965-P0967</u>	DTC P0965 Pressure Control Solenoid Valve 2 Performance DTC P0966 Pressure Control Solenoid Valve 2 Control Circuit Low Voltage DTC P0967 Pressure Control Solenoid Valve 2 Control Circuit High Voltage
<u>DTC P0969-P0971</u>	DTC P0969 Pressure Control Solenoid Valve 3 Performance DTC P0970 Pressure Control Solenoid Valve 3 Control Circuit Low Voltage DTC P0971 Pressure Control Solenoid Valve 3 Control Circuit High Voltage
<u>DTC P0973 or P0974</u>	DTC P0973 Shift Solenoid Valve 1 Control Circuit Low Voltage DTC P0974 Shift Solenoid Valve 1 Control Circuit High Voltage
<u>DTC P1761</u>	DTC P1761 Up and Down Shift Switch Signal Message Counter Incorrect
<u>DTC P182E or P1915</u>	DTC P182E Internal Mode Switch Indicates Invalid Range DTC P1915 Internal Mode Switch Does Not Indicate Park/Neutral During Start
<u>DTC P1876</u>	DTC P1876 Up and Down Shift Enable Switch Circuit Low Voltage
<u>DTC P2714 or P2715 (Gen 2)</u>	DTC P2714 Pressure Control Solenoid Valve 4 Stuck Off - Transmission Hydraulic/Mechanical Performance DTC P2715 Pressure Control Solenoid Valve 4 Stuck On - Transmission Hydraulic/Mechanical Performance
<u>DTC P2719-P2721</u>	DTC P2719 Pressure Control Solenoid Valve 4 Performance DTC P2720 Pressure Control Solenoid Valve 4 Control Circuit Low Voltage DTC P2721 Pressure Control Solenoid Valve 4 Control Circuit High Voltage
<u>DTC P2723 or P2724 (Gen 2)</u>	DTC P2723 Pressure Control Solenoid Valve 5 Stuck Off - Transmission Hydraulic/Mechanical Performance DTC P2724 Pressure Control Solenoid Valve 5 Stuck On - Transmission Hydraulic/Mechanical Performance
<u>DTC P2728-P2730</u>	DTC P2728 Pressure Control Solenoid Valve 5 Performance DTC P2729 Pressure Control Solenoid Valve 5 Control Circuit Low Voltage DTC P2730 Pressure Control Solenoid Valve 5 Control Circuit High Voltage
<u>DTC P2762, P2763, or P2764</u>	DTC P2762 Torque Converter Clutch (TCC) Pressure Control Solenoid Valve Performance DTC P2763 Torque Converter Clutch (TCC) Pressure Control Solenoid Valve Control Circuit High Voltage DTC P2764 Torque Converter Clutch (TCC) Pressure Control Solenoid Valve Control Circuit Low Voltage

AUTOMATIC TRANSMISSION - 6T70 (M7W) - DIAGNOSTIC TROUBLE CODES

AUTOMATIC TRANSMISSION - 6T70 (M7W) - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P057B-P057D</u>	DTC P057B Brake Pedal Position Sensor Performance DTC P057C Brake Pedal Position Sensor Circuit Low Voltage DTC P057D Brake Pedal Position Sensor Circuit High Voltage
<u>DTC P0601-P0604 or P062F</u>	DTC P0601 Control Module Read Only Memory Performance DTC P0602 Control Module Not Programmed DTC P0603 Control Module Long Term Memory Reset DTC P0604 Control Module Random Access Memory Performance DTC P062F Control Module Long Term Memory Performance
<u>DTC P0634</u>	DTC P0634 Control Module Overtemperature
<u>DTC P0658 or P0659</u>	DTC P0658 Actuator High Control Circuit Group 1 Low Voltage DTC P0659 Actuator High Control Circuit Group 1 High Voltage
<u>DTC P0667, P0668, or P0669</u>	DTC P0667 Control Module Temperature Sensor Performance DTC P0668 Control Module Temperature Sensor Circuit Low Voltage DTC P0669 Control Module Temperature Sensor Circuit High Voltage
<u>DTC P06AC-P06AE</u>	DTC P06AC Control Module Power Up Temperature Sensor Performance DTC P06AD Control Module Power Up Temperature Sensor Circuit Low Voltage DTC P06AE Control Module Power Up Temperature Sensor Circuit High Voltage
<u>DTC P0711-P0713</u>	DTC P0711 Transmission Fluid Temperature Sensor Performance DTC P0712 Transmission Fluid Temperature Sensor Circuit Low Voltage DTC P0713 Transmission Fluid Temperature Sensor Circuit High Voltage
<u>DTC P0716 or P0717</u>	DTC P0716 Input Speed Sensor Performance DTC P0717 Input Speed Sensor Circuit No Signal
<u>DTC P0722 or P0723</u>	DTC P0722 Output Speed Sensor Circuit No Signal DTC P0723 Output Speed Sensor Circuit Intermittent
<u>DTC P0741 or P0742</u>	DTC P0741 Torque Converter Clutch (TCC) System Stuck Off DTC P0742 Torque Converter Clutch (TCC) System Stuck On
<u>DTC P0751 or P0752</u>	DTC P0751 Shift Solenoid Valve 1 Performance - Stuck Off DTC P0752 Shift Solenoid Valve 1 Performance - Stuck On
<u>DTC P0756</u>	DTC P0756 Shift Solenoid Valve 2 Performance - Stuck Off
<u>DTC P0776 or P0777</u>	DTC P0776 Pressure Control Solenoid Valve 2 Stuck Off DTC P0777 Pressure Control Solenoid Valve 2 Stuck On
<u>DTC P0796 or P0797</u>	DTC P0796 Pressure Control Solenoid Valve 3 Stuck Off DTC P0797 Pressure Control Solenoid Valve 3 Stuck On
<u>DTC P0815, P0816, or P0826</u>	DTC P0815 Upshift Switch Circuit DTC P0816 Downshift Switch Circuit

	DTC P0826 Up and Down Shift Switch Circuit
<u>DTC P0850-P0852</u>	DTC P0850 Park/Neutral Position Switch Circuit DTC P0851 Park/Neutral Position Switch Circuit Low Voltage DTC P0852 Park/Neutral Position Switch Circuit High Voltage
<u>DTC P0961-P0963</u>	DTC P0961 Line Pressure Control Solenoid Valve Performance DTC P0962 Line Pressure Control Solenoid Valve Control Circuit Low Voltage DTC P0963 Line Pressure Control Solenoid Valve Control Circuit High Voltage
<u>DTC P0965-P0967</u>	DTC P0965 Pressure Control Solenoid Valve 2 Performance DTC P0966 Pressure Control Solenoid Valve 2 Control Circuit Low Voltage DTC P0967 Pressure Control Solenoid Valve 2 Control Circuit High Voltage
<u>DTC P0969-P0971</u>	DTC P0969 Pressure Control Solenoid Valve 3 Performance DTC P0970 Pressure Control Solenoid Valve 3 Control Circuit Low Voltage DTC P0971 Pressure Control Solenoid Valve 3 Control Circuit High Voltage
<u>DTC P0973 or P0974</u>	DTC P0973 Shift Solenoid Valve 1 Control Circuit Low Voltage DTC P0974 Shift Solenoid Valve 1 Control Circuit High Voltage
<u>DTC P0976 or P0977</u>	DTC P0976 Shift Solenoid Valve 2 Control Circuit Low Voltage DTC P0977 Shift Solenoid Valve 2 Control Circuit High Voltage
<u>DTC P1751</u>	DTC P1751 Shift Valve 1 Performance
<u>DTC P1761</u>	DTC P1761 Up and Down Shift Switch Signal Message Counter Incorrect
<u>DTC P182E or P1915</u>	DTC P182E Internal Mode Switch Indicates Invalid Range DTC P1915 Internal Mode Switch Does Not Indicate Park/Neutral During Start
<u>DTC P1876</u>	DTC P1876 Up and Down Shift Enable Switch Circuit Low Voltage
<u>DTC P2714 or P2715</u>	DTC P2714 Pressure Control Solenoid Valve 4 Stuck Off DTC P2715 Pressure Control Solenoid Valve 4 Stuck On
<u>DTC P2719-P2721</u>	DTC P2719 Pressure Control Solenoid Valve 4 Performance DTC P2720 Pressure Control Solenoid Valve 4 Control Circuit Low Voltage DTC P2721 Pressure Control Solenoid Valve 4 Control Circuit High Voltage
<u>DTC P2723 or P2724</u>	DTC P2723 Pressure Control Solenoid Valve 5 Stuck Off DTC P2724 Pressure Control Solenoid Valve 5 Stuck On
<u>DTC P2728-P2730</u>	DTC P2728 Pressure Control Solenoid Valve 5 Performance DTC P2729 Pressure Control Solenoid Valve 5 Control Circuit Low Voltage DTC P2730 Pressure Control Solenoid Valve 5 Control Circuit High Voltage
<u>DTC P2762, P2763, or P2764</u>	DTC P2762 Torque Converter Clutch (TCC) Pressure Control Solenoid

	Valve Performance
DTC P2763 Torque Converter Clutch (TCC) Pressure Control Solenoid	Valve Control Circuit High Voltage
DTC P2764 Torque Converter Clutch (TCC) Pressure Control Solenoid	Valve Control Circuit Low Voltage

BATTERY, CHARGING SYSTEM AND STARTING SYSTEM - DIAGNOSTIC TROUBLE CODES

BATTERY, CHARGING SYSTEM AND STARTING SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B1325, B1330, B1517, C0800, P0560, P0562, or P0563</u>	DTC B1325 03 Control Module Power Circuit Low Voltage DTC B1325 07 Control Module Power Circuit High Voltage DTC B1330 03 Device Power 2 Circuit Low Voltage DTC B1517 03 Battery Voltage Low Voltage DTC B1517 07 Battery Voltage High Voltage DTC B1517 5A Battery Voltage Plausibility Failure DTC C0800 03 Control Module Power Circuit Low Voltage DTC C0800 07 Control Module Power Circuit High Voltage DTC C0800 08 Control Module Power Circuit Voltage Signal Invalid DTC C0800 11 Control Module Power Circuit High Input DTC C0800 12 Control Module Power Circuit Low Input DTC C0800 0D Control Module Power Circuit High Resistance DTC P0560 System Voltage DTC P0562 System Voltage Low Voltage DTC P0563 System Voltage High Voltage
<u>DTC B1516</u>	DTC B1516 08 Battery Current Sensor Performance - Signal Invalid DTC B1516 66 Battery Current Sensor Incorrect Mounting
<u>DTC B151A</u>	DTC B151A 58 Battery Capacity Performance
<u>DTC B151D</u>	DTC B151D 03 Control Module Power Circuit Low Voltage DTC B151D 07 Control Module Power Circuit High Voltage
<u>DTC B1527</u>	DTC B1527 00 Parasitic Load
<u>DTC P0615, P0616, or P0617</u>	DTC P0615 Starter Relay Control Circuit DTC P0616 Starter Relay Control Circuit Low Voltage DTC P0617 Starter Relay Control Circuit High Voltage
<u>DTC P0621</u>	DTC P0621 Generator L-Terminal Circuit
<u>DTC P0622</u>	DTC P0622 Generator F-Terminal Circuit

BUMPERS AND FASCIAS - DIAGNOSTIC TROUBLE CODES

BUMPERS AND FASCIAS - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P059F or U0284</u>	DTC U0284 Lost Communication with Active Grille Air Shutter 1 Motor Module DTC P059F Active Grille Air Shutter Performance

CELLULAR SYSTEM, ENTERTAINMENT SYSTEM, AND NAVIGATION SYSTEM - DIAGNOSTIC TROUBLE CODES

DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B1020</u>	DTC B1020 00 Auxiliary Electronic Control Unit (ECU) Performance
<u>DTC B1025, B1035, B1045, or B1055</u>	DTC B1025 Left Front Audio Output Circuit DTC B1035 Front Audio Output Circuit DTC B1045 Left Rear Audio Output Circuit DTC B1055 Right Rear Audio Output Circuit
<u>DTC B125A</u>	DTC B125A 02 Antenna Signal Circuit Short to Ground DTC B125A 04 Antenna Signal Circuit Open Circuit
<u>DTC B125C</u>	DTC B125C 01 Satellite Antenna Circuit Short to Battery DTC B125C 02 Satellite Antenna Circuit Short to Ground DTC B125C 04 Satellite Antenna Circuit Open
<u>DTC B1265</u>	DTC B1265 02 Switched 14 Volt Performance Short to Ground
<u>DTC B1271</u>	DTC B1271 00 Theft Protection Active
<u>DTC B1287</u>	DTC B1287 01 Amplifier Control Signal Circuit Short to Battery DTC B1287 02 Amplifier Control Signal Circuit Short to Ground DTC B1287 04 Amplifier Control Signal Circuit Open
<u>DTC B1446 or B1447</u>	DTC B1446 Replace Backup Power Source Below Minimum Threshold DTC B1447 Backup Power Source Open Circuit
<u>DTC B2455</u>	DTC B2455 02 Cellular Phone Microphone Circuit Short to Ground DTC B2455 04 Cellular Phone Microphone Circuit Open/High Resistance
<u>DTC B2462</u>	DTC B2462 01 Global Positioning System Short to Battery DTC B2462 02 Global Positioning System Short to Ground DTC B2462 04 Global Positioning System Open
<u>DTC B2470</u>	DTC B2470 02 Cellular Phone Antenna Circuit Malfunction Short to Ground DTC B2470 04 Cellular Phone Antenna Circuit Malfunction Open Circuit
<u>DTC B2476 or B2482</u>	DTC B2476 04 Cellular Phone Select Service Switch Open DTC B2476 59 Cellular Phone Select Service Switch Protection Time-out DTC B2482 00 Cellular Phone Select Service Switch Range/Performance
<u>DTC B2485</u>	DTC B2485 02 Wireless Communication (BT) Antenna Circuit Short to Ground DTC B2485 04 Wireless Communication (BT) Antenna Circuit Open
<u>DTC U0255-U0257</u>	DTC U0255 Lost Communication with Info Display Module DTC U0256 Lost Communication with Infotainment Faceplate Control Module DTC U0257 Lost Communication with Info Display Module/Infotainment Faceplate Control Module

CRUISE CONTROL SYSTEM - DIAGNOSTIC TROUBLE CODES

CRUISE CONTROL SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P0572 or P0573</u>	DTC P0572 Brake Switch Circuit 1 Low Voltage DTC P0573 Brake Switch Circuit 1 High Voltage
<u>DTC P0575</u>	DTC P0575 Cruise Control Switch Signal Message Counter Incorrect
<u>DTC P0703</u>	DTC P0703 Brake Switch Signal Message Counter Incorrect

DATA COMMUNICATION SYSTEM - DIAGNOSTIC TROUBLE CODES

DATA COMMUNICATION SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B1000</u>	DTC B1000 Electronic Control Unit
<u>DTC B1001</u>	DTC B1001 Option Configuration
<u>DTC B101D</u>	DTC B101D Electronic Control Unit Hardware
<u>DTC B101E</u>	DTC B101E Electronic Control Unit Software
<u>DTC C056D</u>	DTC C056D Electronic Control Unit Hardware
<u>DTC C056E</u>	DTC C056E Electronic Control Unit Software
<u>DTC P0601-P0604, P0606, or P062F</u>	DTC P0601 Control Module Read Only Memory Performance DTC P0602 Control Module Not Programmed DTC P0603 Control Module Long Term Memory Reset DTC P0604 Control Module Random Access Memory Performance DTC P0606 Control Module Processor Performance DTC P062F Control Module Long Term Memory Performance
<u>DTC U0001</u>	DTC U0001 00 High Speed CAN Communication Bus Malfunction
<u>DTC U0020</u>	DTC U0020 Low Speed CAN Bus
<u>DTC U0073 or U2100</u>	DTC U0073 Control Module Communication Bus A Off DTC U2100 CAN Bus Communication
<u>DTC U0074 (Chassis Expansion Bus)</u>	DTC U0074 Control Module Communication Bus B Off
<u>DTC U0074 (Powertrain Expansion Bus with HP6)</u>	DTC U0074 00 Control Module Communication Powertrain Expansion CAN Bus Off Malfunction
<u>DTC U0074 (Powertrain Expansion Bus without HP6)</u>	DTC U0074 00 Control Module Communication Powertrain Expansion CAN Bus Off Malfunction
<u>DTC U0078</u>	DTC U0078 Control Module Communication Low Speed CAN Bus Off
<u>DTC U0100-U02FF (without HP6)</u>	<u>Control Module U Code List</u>
<u>DTC U0100-U02FF (with HP6)</u>	<u>Control Module U Code List</u>
<u>DTC U0300-U0336</u>	<u>Control Module U Code List</u>
<u>DTC U0400-U05FF</u>	<u>Control Module U Code List</u>
<u>DTC U1500-U15FF</u>	<u>Control Module U Code List</u>

<u>DTC U180B</u>	DTC U180B 00 Battery Energy Control Module High Speed CAN Bus Off Malfunction
<u>DTC U1811</u>	DTC U1811 00 Battery Energy Control Module Powertrain Expansion CAN Bus Off Malfunction
<u>DTC U1814</u>	DTC U1814 Powertrain Wake-Up Communication Circuit
<u>DTC U1817</u>	DTC U1817 00 Lost Communication with Hybrid Powertrain Control Module on Powertrain Expansion CAN Bus Malfunction
<u>DTC U1818</u>	DTC U1818 00 Lost Communication with Engine Control Module on Powertrain Expansion CAN Bus Malfunction
<u>DTC U182A</u>	DTC U182A 00 Hybrid Powertrain Control Module Lost Communication with Battery Energy Control Module on Powertrain Expansion CAN Bus Malfunction
<u>DTC U1831</u>	DTC U1831 00 Drive Motor Control Module 1 Lost Communication with Hybrid Powertrain Control Module Malfunction
<u>DTC U1844</u>	DTC U1844 00 Battery Energy Control Module Lost Communication with Hybrid Powertrain Control Module on Powertrain Expansion CAN Bus Malfunction
<u>DTC U1845 or U1846</u>	DTC U1845 00 Drive Motor Control Module 1 Lost Communication with Hybrid Powertrain Control Module Malfunction
<u>DTC U1847</u>	DTC U1847 00 Drive Motor Control Module 1 Lost Communication with Battery Energy Control Module on Powertrain Expansion CAN Bus Malfunction
<u>DTC U1875</u>	DTC U1875 00 Drive Motor Control Module 1 Lost Communication with Battery Energy Control Module Malfunction
<u>DTC U1876</u>	DTC U1876 00 Drive Motor Control Module 1 Lost Communication with Engine Control Module Malfunction
<u>DTC U1885</u>	DTC U1885 00 Battery Energy Control Module Lost Communication with Hybrid Powertrain Control Module Malfunction
<u>DTC U1886</u>	DTC U1886 00 Battery Energy Control Module Lost Communication with Engine Control Module Malfunction
<u>DTC U18A2</u>	DTC U18A2 Lost Communication with Fuel Pump Driver Control Module
<u>DTC U18B9-U18BF</u>	DTC U18B9 Primary High Speed CAN Bus Subnet Configuration List DTC U18BF Secondary High Speed CAN Bus Subnet Configuration List
<u>DTC U2099</u>	DTC U2099 High Speed Communication Enable Circuit
<u>DTC U2101</u>	DTC U2101 CAN Bus Maximum List of Control Modules
<u>DTC U2616</u>	DTC U2616 Fuel Pump Driver Control Module Lost Communication with ECM

ENGINE CONTROLS/FUEL - 2.0L (LTG) OR 2.5L (LCV) - DIAGNOSTIC TROUBLE CODES

DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P0010, P0013, or P2088-P2091</u>	DTC P0010 Intake Camshaft Position Actuator Solenoid Valve Control Circuit DTC P0013 Exhaust Camshaft Position Actuator Solenoid Valve Control Circuit DTC P2088 Intake Camshaft Position Actuator Solenoid Valve Control Circuit Low Voltage DTC P2089 Intake Camshaft Position Actuator Solenoid Valve Control Circuit High Voltage DTC P2090 Exhaust Camshaft Position Actuator Solenoid Valve Control Circuit Low Voltage DTC P2091 Exhaust Camshaft Position Actuator Solenoid Valve Control Circuit High Voltage
<u>DTC P0011 or P0014</u>	DTC P0011 Intake Camshaft Position System Performance DTC P0014 Exhaust Camshaft Position System Performance
<u>DTC P0016 or P0017</u>	DTC P0016 Crankshaft Position - Intake Camshaft Position Not Plausible DTC P0017 Crankshaft Position - Exhaust Camshaft Position Not Plausible
<u>DTC P0030-P0032, P0036-P0038, P0053, P0054, P0135, or P0141</u>	DTC P0030 HO2S Heater Control Circuit Sensor 1 DTC P0031 HO2S Heater Control Circuit Low Voltage Sensor 1 DTC P0032 HO2S Heater Control Circuit High Voltage Sensor 1 DTC P0036 HO2S Heater Control Circuit Sensor 2 DTC P0037 HO2S Heater Control Circuit Low Voltage Sensor 2 DTC P0038 HO2S Heater Control Circuit High Voltage Sensor 2 DTC P0053 HO2S Heater Resistance Sensor 1 DTC P0054 HO2S Heater Resistance Sensor 2 DTC P0135 HO2S Heater Performance Sensor 1 DTC P0141 HO2S Heater Performance Sensor 2
<u>DTC P0033-P0035</u>	DTC P0033 Turbocharger Bypass Solenoid Valve Control Circuit DTC P0034 Turbocharger Bypass Solenoid Valve Control Circuit Low Voltage DTC P0035 Turbocharger Bypass Solenoid Valve Control Circuit High Voltage
<u>DTC P0068 or P1101</u>	DTC P0068 Throttle Body Air Flow Performance DTC P1101 Intake Air Flow System Performance
<u>DTC P0089, P00C6, P228C, or P228D</u>	DTC P0089 Fuel Pressure Regulator Performance DTC P00C6 Fuel Rail Pressure Low During Engine Cranking DTC P228C Fuel Pressure Regulator Control Performance - Low Pressure DTC P228D Fuel Pressure Regulator Control Performance - High Pressure
<u>DTC P0090-P0092, P00C8, P00C9, or P00CA</u>	DTC P0090 Fuel Pressure Regulator Control Circuit DTC P0091 Fuel Pressure Regulator Control Circuit Low Voltage DTC P0092 Fuel Pressure Regulator Control Circuit High Voltage DTC P00C8 Fuel Pressure Regulator High Control Circuit DTC P00C9 Fuel Pressure Regulator High Control Circuit Low Voltage DTC P00CA Fuel Pressure Regulator High Control Circuit High Voltage
<u>DTC P0096 or P0111</u>	DTC P0096 Intake Air Temperature (IAT) Sensor 2 Performance

	DTC P0111 Intake Air Temperature (IAT) Sensor 1 Performance
<u>DTC P0097, P0098, or P0099</u>	DTC P0097 Intake Air Temperature (IAT) Sensor 2 Circuit Low Voltage DTC P0098 Intake Air Temperature (IAT) Sensor 2 Circuit High Voltage DTC P0099 Intake Air Temperature (IAT) Sensor 2 Circuit Intermittent
<u>DTC P00C7</u>	DTC P00C7 Intake Air Pressure Measurement System - Multiple Sensors Not Plausible
<u>DTC P00E9</u>	DTC P00E9 Intake Air Temperature (IAT) Sensor 3 Performance
<u>DTC P00EA-P00EC</u>	DTC P00EA Intake Air Temperature (IAT) Sensor 3 Circuit Low Voltage DTC P00EB Intake Air Temperature (IAT) Sensor 3 Circuit High Voltage DTC P00EC Intake Air Temperature (IAT) Sensor 3 Circuit Intermittent
<u>DTC P0101</u>	DTC P0101 Mass Air Flow (MAF) Sensor Performance
<u>DTC P0102 or P0103</u>	DTC P0102 Mass Air Flow (MAF) Sensor Circuit Low Frequency DTC P0103 Mass Air Flow (MAF) Sensor Circuit High Frequency
<u>DTC P0106</u>	DTC P0106 Manifold Absolute Pressure (MAP) Sensor Performance
<u>DTC P0107 or P0108</u>	DTC P0107 Manifold Absolute Pressure (MAP) Sensor Circuit Low Voltage DTC P0108 Manifold Absolute Pressure (MAP) Sensor Circuit High Voltage
<u>DTC P0112, P0113, or P0114</u>	DTC P0112 Intake Air Temperature (IAT) Sensor 1 Circuit Low Voltage DTC P0113 Intake Air Temperature (IAT) Sensor 1 Circuit High Voltage DTC P0114 Intake Air Temperature (IAT) Sensor 1 Circuit Intermittent
<u>DTC P0117, P0118, or P0119</u>	DTC P0117 Engine Coolant Temperature (ECT) Sensor Circuit Low Voltage DTC P0118 Engine Coolant Temperature (ECT) Sensor Circuit High Voltage DTC P0119 Engine Coolant Temperature (ECT) Sensor Circuit Intermittent
<u>DTC P0121-P0123, P0222, P0223, P16A0-P16A2, or P2135 (LCV)</u>	DTC P0121 Throttle Position Sensor 1 Performance DTC P0122 Throttle Position Sensor 1 Circuit Low Voltage DTC P0123 Throttle Position Sensor 1 Circuit High Voltage DTC P0222 Throttle Position Sensor 2 Circuit Low Voltage DTC P0223 Throttle Position Sensor 2 Circuit High Voltage DTC P16A0 Sensor Communication Circuit Low Voltage DTC P16A1 Sensor Communication Circuit High Voltage DTC P16A2 Sensor Communication Circuit Performance DTC P2135 Throttle Position Sensors 1-2 Not Plausible
<u>DTC P0121-P0123, P0222, P0223, P16A0-P16A2, or P2135 (LTG)</u>	DTC P0121 Throttle Position Sensor 1 Performance DTC P0122 Throttle Position Sensor 1 Circuit Low Voltage DTC P0123 Throttle Position Sensor 1 Circuit High Voltage DTC P0222 Throttle Position Sensor 2 Circuit Low Voltage DTC P0223 Throttle Position Sensor 2 Circuit High Voltage DTC P16A0 Sensor Communication Circuit Low Voltage DTC P16A1 Sensor Communication Circuit High Voltage DTC P16A2 Sensor Communication Circuit Performance DTC P2135 Throttle Position Sensors 1-2 Not Plausible
<u>DTC P0128</u>	DTC P0128 Engine Coolant Temperature (ECT) Below Thermostat

	Regulating Temperature
<u>DTC P0131, P0132, P0134, P0137, P0138, P0140, or P2A00</u>	DTC P0131 HO2S Circuit Low Voltage Sensor 1 DTC P0132 HO2S Circuit High Voltage Sensor 1 DTC P0134 HO2S Circuit Insufficient Activity Sensor 1 DTC P0137 HO2S Circuit Low Voltage Sensor 2 DTC P0138 HO2S Circuit High Voltage Sensor 2 DTC P0140 HO2S Circuit Insufficient Activity Sensor 2 DTC P2A00 HO2S Performance Sensor 1
<u>DTC P0133, P013A, P013B, P013E, P013F, P015A, P015B, P2270, or P2271</u>	DTC P0133 HO2S Slow Response Sensor 1 DTC P013A HO2S Slow Response Rich to Lean Sensor 2 DTC P013B HO2S Slow Response Lean to Rich Sensor 2 DTC P013E HO2S Delayed Response Rich to Lean Sensor 2 DTC P013F HO2S Delayed Response Lean to Rich Sensor 2 DTC P015A HO2S Delayed Response Rich to Lean Sensor 1 DTC P015B HO2S Delayed Response Lean to Rich Sensor 1 DTC P2270 HO2S Signal Stuck Lean Sensor 2 DTC P2271 HO2S Signal Stuck Rich Sensor 2
<u>DTC P0171 or P0172</u>	DTC P0171 Fuel Trim System Lean DTC P0172 Fuel Trim System Rich
<u>DTC P018B-P018D</u>	DTC P018B Fuel Pressure Sensor Performance DTC P018C Fuel Pressure Sensor Circuit Low Voltage DTC P018D Fuel Pressure Sensor Circuit High Voltage
<u>DTC P0191, P0192, or P0193</u>	DTC P0191 Fuel Rail Pressure Sensor Performance DTC P0192 Fuel Rail Pressure Sensor Circuit Low Voltage DTC P0193 Fuel Rail Pressure Sensor Circuit High Voltage
<u>DTC P0201-P0204, P0261, P0262, P0264, P0265, P0267, P0268, P0270, P0271, P1248, P1249, P124A, P124B, P2147, P2148, P2150, P2151, P2153, P2154, P2156, or P2157</u>	DTC P0201 Cylinder 1 Injector Control Circuit DTC P0202 Cylinder 2 Injector Control Circuit DTC P0203 Cylinder 3 Injector Control Circuit DTC P0204 Cylinder 4 Injector Control Circuit DTC P0261 Cylinder 1 Injector Control Circuit Low Voltage DTC P0262 Cylinder 1 Injector Control Circuit High Voltage DTC P0264 Cylinder 2 Injector Control Circuit Low Voltage DTC P0265 Cylinder 2 Injector Control Circuit High Voltage DTC P0267 Cylinder 3 Injector Control Circuit Low Voltage DTC P0268 Cylinder 3 Injector Control Circuit High Voltage DTC P0270 Cylinder 4 Injector Control Circuit Low Voltage DTC P0271 Cylinder 4 Injector Control Circuit High Voltage DTC P1248 Cylinder 1 Injector High Control Circuit Shorted to Control Circuit DTC P1249 Cylinder 2 Injector High Control Circuit Shorted to Control Circuit DTC P124A Cylinder 3 Injector High Control Circuit Shorted to Control Circuit DTC P124B Cylinder 4 Injector High Control Circuit Shorted to Control Circuit DTC P2147 Cylinder 1 Injector High Control Circuit Low Voltage DTC P2148 Cylinder 1 Injector High Control Circuit High Voltage

	DTC P2150 Cylinder 2 Injector High Control Circuit Low Voltage DTC P2151 Cylinder 2 Injector High Control Circuit High Voltage DTC P2153 Cylinder 3 Injector High Control Circuit Low Voltage DTC P2154 Cylinder 3 Injector High Control Circuit High Voltage DTC P2156 Cylinder 4 Injector High Control Circuit Low Voltage DTC P2157 Cylinder 4 Injector High Control Circuit High Voltage
<u>DTC P0231, P0232, or P023F</u>	DTC P0231 Fuel Pump Control Circuit Low Voltage DTC P0232 Fuel Pump Control Circuit High Voltage DTC P023F Fuel Pump Control Circuit
<u>DTC P0234 or P0299</u>	DTC P0234 Engine Overboost DTC P0299 Engine Underboost
<u>DTC P0236</u>	DTC P0236 Turbocharger Boost Sensor Performance
<u>DTC P0237 or P0238</u>	DTC P0237 Turbocharger Boost Sensor Circuit Low Voltage DTC P0238 Turbocharger Boost Sensor Circuit High Voltage
<u>DTC P0243, P0245, or P0246</u>	DTC P0243 Turbocharger Wastegate Solenoid Valve Control Circuit DTC P0245 Turbocharger Wastegate Solenoid Valve Control Circuit Low Voltage DTC P0246 Turbocharger Wastegate Solenoid Valve Control Circuit High Voltage
<u>DTC P0300-P0304</u>	DTC P0300 Engine Misfire Detected DTC P0301 Cylinder 1 Misfire Detected DTC P0302 Cylinder 2 Misfire Detected DTC P0303 Cylinder 3 Misfire Detected DTC P0304 Cylinder 4 Misfire Detected
<u>DTC P0315</u>	DTC P0315 Crankshaft Position System Variation Not Learned
<u>DTC P0324, P0326, P0331, P06B6, or P06B7</u>	DTC P0324 Knock Sensor System Performance DTC P0326 Knock Sensor 1 Performance DTC P0331 Knock Sensor 2 Performance DTC P06B6 Control Module Knock Sensor Processor 1 Performance DTC P06B7 Control Module Knock Sensor Processor 2 Performance
<u>DTC P0325, P0327, P0328, P0330, P0332, or P0333</u>	DTC P0325 Knock Sensor 1 Circuit DTC P0327 Knock Sensor 1 Circuit Low Voltage DTC P0328 Knock Sensor 1 Circuit High Voltage DTC P0330 Knock Sensor 2 Circuit DTC P0332 Knock Sensor 2 Circuit Low Voltage DTC P0333 Knock Sensor 2 Circuit High Voltage
<u>DTC P0335 or P0336</u>	DTC P0335 Crankshaft Position Sensor Circuit DTC P0336 Crankshaft Position Sensor Performance
<u>DTC P0340, P0341, P0365, or P0366</u>	DTC P0340 Intake Camshaft Position Sensor Circuit DTC P0341 Intake Camshaft Position Sensor Performance DTC P0365 Exhaust Camshaft Position Sensor Circuit DTC P0366 Exhaust Camshaft Position Sensor Performance
<u>DTC P0351-P0354</u>	DTC P0351 Ignition Coil 1 Control Circuit DTC P0352 Ignition Coil 2 Control Circuit DTC P0353 Ignition Coil 3 Control Circuit DTC P0354 Ignition Coil 4 Control Circuit

<u>DTC P0411</u>	DTC P0411 Secondary Air Injection System Incorrect Air Flow Detected
<u>DTC P0412 or P0418</u>	DTC P0412 Secondary Air Injection Valve Control Circuit DTC P0418 Secondary Air Injection Pump Relay Control Circuit
<u>DTC P0420 (LCV)</u>	DTC P0420 Catalyst System Low Efficiency
<u>DTC P0420 (LTG)</u>	DTC P0420 Catalyst System Low Efficiency
<u>DTC P0442</u>	DTC P0442 Evaporative Emission (EVAP) System Small Leak Detected
<u>DTC P0443</u>	DTC P0443 Evaporative Emission (EVAP) Purge Solenoid Valve Control Circuit
<u>DTC P0446</u>	DTC P0446 Evaporative Emission (EVAP) Vent System Performance
<u>DTC P0449</u>	DTC P0449 Evaporative Emission (EVAP) Vent Solenoid Valve Control Circuit
<u>DTC P0451-P0454</u>	DTC P0451 Fuel Tank Pressure Sensor Performance DTC P0452 Fuel Tank Pressure Sensor Circuit Low Voltage DTC P0453 Fuel Tank Pressure Sensor Circuit High Voltage DTC P0454 Fuel Tank Pressure Sensor Circuit Intermittent
<u>DTC P0455</u>	DTC P0455 Evaporative Emission (EVAP) System Large Leak Detected
<u>DTC P0496</u>	DTC P0496 Evaporative Emission (EVAP) System Flow During Non-Purge
<u>DTC P0506 or P0507</u>	DTC P0506 Idle Speed Low DTC P0507 Idle Speed High
<u>DTC P050D</u>	DTC P050D Cold Start Rough Idle
<u>DTC P0601-P0604, P0606, P062B, P062F, P0630, P16F3, or P262B (ECM)</u>	DTC P0601 Control Module Read Only Memory Performance DTC P0602 Control Module Not Programmed DTC P0603 Control Module Long Term Memory Reset DTC P0604 Control Module Random Access Memory Performance DTC P0606 Control Module Processor Performance DTC P062B Control Module Fuel Injector Control Performance DTC P062F Control Module Long Term Memory Performance DTC P0630 VIN Not Programmed or Mismatched - Engine Control Module (ECM) DTC P16F3 Control Module Redundant Memory Performance DTC P262B Control Module Power Off Timer Performance
<u>DTC P0627 or P0628</u>	DTC P0627 Fuel Pump Enable Circuit DTC P0628 Fuel Pump Enable Circuit Low Voltage
<u>DTC P0641, P0651, P0697, or P06A3 (ECM)</u>	DTC P0641 5 V Reference 1 Circuit DTC P0651 5 V Reference 2 Circuit DTC P0697 5 V Reference 3 Circuit DTC P06A3 5 V Reference 4 Circuit
<u>DTC P0650, P263A, or P263B</u>	DTC P0650 Malfunction Indicator Lamp (MIL) Control Circuit DTC P263A Malfunction Indicator Lamp (MIL) Control Circuit Low Voltage DTC P263B Malfunction Indicator Lamp (MIL) Control Circuit High Voltage
<u>DTC P0685-P0687, P0689, P0690, or P1682</u>	DTC P0685 Engine Controls Ignition Relay Control Circuit DTC P0686 Engine Controls Ignition Relay Control Circuit Low Voltage

	DTC P0687 Engine Controls Ignition Relay Control Circuit High Voltage DTC P0689 Engine Controls Ignition Relay Feedback Circuit Low Voltage DTC P0690 Engine Controls Ignition Relay Feedback Circuit High Voltage DTC P1682 Ignition 1 Switch Circuit 2
<u>DTC P069E</u>	DTC P069E Fuel Pump Control Module Requested MIL Illumination
<u>DTC P0700</u>	DTC P0700 Transmission Control Module Requested MIL Illumination
<u>DTC P111E</u>	DTC P111E Engine Coolant Temperature Sensor Not Plausible
<u>DTC P11C2-P11C4</u>	DTC P11C2 Intake Air Humidity Sensor Circuit Low Voltage DTC P11C3 Intake Air Humidity Sensor Circuit High Voltage DTC P11C4 Intake Air Humidity Sensor Circuit Erratic
<u>DTC P1255</u>	DTC P1255 Fuel Pump Control Module Driver High Temperature
<u>DTC P129B or P129C</u>	DTC P129B Fuel Pump Driver Control Module System Voltage Low DTC P129C Fuel Pump Driver Control Module System Voltage High
<u>DTC P129D</u>	DTC P129D Fuel Pump Driver Control Module Ignition 1 Switch Circuit Low Voltage
<u>DTC P129E</u>	DTC P129E Fuel Pump Driver Control Module Signal Message Counter Incorrect
<u>DTC P12A6</u>	DTC P12A6 Fuel Pump Driver Control Module Enable Circuit Performance
<u>DTC P12A8</u>	DTC P12A8 Fuel Pump Control Signal Message Counter Incorrect
<u>DTC P135A</u>	DTC P135A Ignition Coil Supply Voltage Circuit Bank 1
<u>DTC P1400</u>	DTC P1400 Cold Start Emission Reduction Control System
<u>DTC P150C</u>	DTC P150C Transmission Control Module Engine Speed Request Signal Message Counter Incorrect
<u>DTC P1516, P2101, P2119, or P2176</u>	DTC P1516 Throttle Actuator Control (TAC) Module Throttle Actuator Position Performance DTC P2101 Throttle Actuator Position Performance DTC P2119 Throttle Closed Position Performance DTC P2176 Minimum Throttle Position Not Learned
<u>DTC P163A</u>	DTC P163A Control Module Fuel Pressure Regulator 1 Control System Circuitry Performance
<u>DTC P2096</u>	DTC P2096 Post Catalyst Fuel Trim System Low Limit
<u>DTC P2097</u>	DTC P2097 Post Catalyst Fuel Trim System High Limit
<u>DTC P2122, P2123, P2127, P2128, or P2138</u>	DTC P2122 Accelerator Pedal Position (APP) Sensor 1 Circuit Low Voltage DTC P2123 Accelerator Pedal Position (APP) Sensor 1 Circuit High Voltage DTC P2127 Accelerator Pedal Position (APP) Sensor 2 Circuit Low Voltage DTC P2128 Accelerator Pedal Position (APP) Sensor 2 Circuit High Voltage DTC P2138 Accelerator Pedal Position (APP) Sensors 1-2 Not Plausible
<u>DTC P2199</u>	DTC P2199 Intake Air Temperature (IAT) Sensors 1-2 Not Plausible
<u>DTC P219A</u>	DTC P219A Fuel Trim Cylinder Balance

<u>DTC P2227-P2230 (LCV)</u>	DTC P2227 Barometric Pressure (BARO) Sensor Performance DTC P2228 Barometric Pressure (BARO) Sensor Circuit Low Voltage DTC P2229 Barometric Pressure (BARO) Sensor Circuit High Voltage DTC P2230 Barometric Pressure (BARO) Sensor Circuit Erratic
<u>DTC P2227-P2230 (LTG)</u>	DTC P2227 Barometric Pressure (BARO) Sensor Performance DTC P2228 Barometric Pressure (BARO) Sensor Circuit Low Voltage DTC P2229 Barometric Pressure (BARO) Sensor Circuit High Voltage DTC P2230 Barometric Pressure (BARO) Sensor Circuit Erratic
<u>DTC P2261</u>	DTC P2261 Turbocharger Bypass Valve Stuck
<u>DTC P2430 or P2431</u>	DTC P2430 Secondary Air Injection System Pressure Sensor Circuit DTC P2431 Secondary Air Injection System Pressure Sensor Performance
<u>DTC P2432 or P2433</u>	DTC P2432 Secondary Air Injection System Pressure Sensor Circuit Low Voltage DTC P2433 Secondary Air Injection System Pressure Sensor Circuit High Voltage
<u>DTC P2440</u>	DTC P2440 Secondary Air Injection System Cut-Off Valve Stuck Open
<u>DTC P2444</u>	DTC P2444 Secondary Air Injection System Pump Stuck On
<u>DTC P2544</u>	DTC P2544 Transmission Torque Request Signal Message Counter Incorrect
<u>DTC P2635</u>	DTC P2635 Fuel Pump Flow Performance

ENGINE CONTROLS/FUEL - 2.4L (LUK) - DIAGNOSTIC TROUBLE CODES

ENGINE CONTROLS/FUEL - 2.4L (LUK) - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P0010, P0013, or P2088-P2091</u>	DTC P0010 Intake Camshaft Position Actuator Solenoid Valve Control Circuit DTC P0013 Exhaust Camshaft Position Actuator Solenoid Valve Control Circuit DTC P2088 Intake Camshaft Position Actuator Solenoid Control Circuit Low Voltage DTC P2089 Intake Camshaft Position Actuator Solenoid Control Circuit High Voltage DTC P2090 Exhaust Camshaft Position Actuator Solenoid Control Circuit Low Voltage DTC P2091 Exhaust Camshaft Position Actuator Solenoid Control Circuit High Voltage
<u>DTC P0011 or P0014</u>	DTC P0011 Intake Camshaft Position System Performance DTC P0014 Exhaust Camshaft Position System Performance
<u>DTC P0016 or P0017</u>	DTC P0016 Crankshaft Position - Intake Camshaft Position Not Plausible DTC P0017 Crankshaft Position - Exhaust Camshaft Position Not Plausible
<u>DTC P0030, P0036, P0053, P0054, P0135, or P0141</u>	DTC P0030 HO2S Heater Control Circuit Sensor 1 DTC P0036 HO2S Heater Control Circuit Sensor 2

	DTC P0053 HO2S Heater Resistance Sensor 1 DTC P0054 HO2S Heater Resistance Sensor 2 DTC P0135 HO2S Heater Performance Sensor 1 DTC P0141 HO2S Heater Performance Sensor 2
<u>DTC P0068 or P1101</u>	DTC P0068 Throttle Body Air Flow Performance DTC P1101 Intake Air Flow System Performance
<u>DTC P0089, P00C6, P228C, or P228D</u>	DTC P0089 Fuel Pressure Regulator Performance DTC P00C6 Fuel Rail Pressure Low During Engine Cranking DTC P228C Fuel Pressure Regulator Control Performance - Low Pressure DTC P228D Fuel Pressure Regulator Control Performance - High Pressure
<u>DTC P0090-P0092, P00C8, P00C9, or P00CA</u>	DTC P0090 Fuel Pressure Regulator Control Circuit DTC P0091 Fuel Pressure Regulator Control Circuit Low Voltage DTC P0092 Fuel Pressure Regulator Control Circuit High Voltage DTC P00C8 Fuel Pressure Regulator High Control Circuit DTC P00C9 Fuel Pressure Regulator High Control Circuit Low Voltage DTC P00CA Fuel Pressure Regulator High Control Circuit High Voltage
<u>DTC P0101</u>	DTC P0101 Mass Air Flow (MAF) Sensor Performance
<u>DTC P0102 or P0103</u>	DTC P0102 Mass Air Flow (MAF) Sensor Circuit Low Frequency DTC P0103 Mass Air Flow (MAF) Sensor Circuit High Frequency
<u>DTC P0106</u>	DTC P0106 Manifold Absolute Pressure (MAP) Sensor Performance
<u>DTC P0107 or P0108</u>	DTC P0107 Manifold Absolute Pressure (MAP) Sensor Circuit Low Voltage DTC P0108 Manifold Absolute Pressure (MAP) Sensor Circuit High Voltage
<u>DTC P0111</u>	DTC P0111 Intake Air Temperature (IAT) Sensor Performance
<u>DTC P0112, P0113, or P0114</u>	DTC P0112 Intake Air Temperature (IAT) Sensor Circuit Low Voltage DTC P0113 Intake Air Temperature (IAT) Sensor Circuit High Voltage DTC P0114 Intake Air Temperature (IAT) Sensor Circuit Intermittent
<u>DTC P0116</u>	DTC P0116 Engine Coolant Temperature (ECT) Sensor Performance
<u>DTC P0117 or P0118</u>	DTC P0117 Engine Coolant Temperature (ECT) Sensor Circuit Low Voltage DTC P0118 Engine Coolant Temperature (ECT) Sensor Circuit High Voltage
<u>DTC P0119</u>	DTC P0119 Engine Coolant Temperature (ECT) Sensor Circuit Intermittent
<u>DTC P0121-P0123, P0222, P0223, P16A0-P16A2, or P2135</u>	DTC P0121 Throttle Position Sensor 1 Performance DTC P0122 Throttle Position Sensor 1 Circuit Low Voltage DTC P0123 Throttle Position Sensor 1 Circuit High Voltage DTC P0222 Throttle Position Sensor 2 Circuit Low Voltage DTC P0223 Throttle Position Sensor 2 Circuit High Voltage DTC P16A0 Sensor Communication Circuit Low Voltage

	DTC P16A1 Sensor Communication Circuit High Voltage DTC P16A2 Sensor Communication Circuit Performance DTC P2135 Throttle Position Sensors 1-2 Not Plausible
<u>DTC P0128</u>	DTC P0128 Engine Coolant Temperature (ECT) Below Thermostat Regulating Temperature
<u>DTC P0131, P0132, P0134, P0137, P0138, P0140, or P2A00</u>	DTC P0131 HO2S Circuit Low Voltage Sensor 1 DTC P0132 HO2S Circuit High Voltage Sensor 1 DTC P0134 HO2S Circuit Insufficient Activity Sensor 1 DTC P0137 HO2S Circuit Low Voltage Sensor 2 DTC P0138 HO2S Circuit High Voltage Sensor 2 DTC P0140 HO2S Circuit Insufficient Activity Sensor 2 DTC P2A00 HO2S Performance Sensor 1
<u>DTC P0133, P013A, P013B, P013E, P013F, P1133, P2270, or P2271</u>	DTC P0133 HO2S Slow Response Sensor 1 DTC P013A HO2S Slow Response Rich to Lean Sensor 2 DTC P013B HO2S Slow Response Lean to Rich Sensor 2 DTC P013E HO2S Delayed Response Rich to Lean Sensor 2 DTC P013F HO2S Delayed Response Lean to Rich Sensor 2 DTC P1133 HO2S Insufficient Switching Sensor 1 DTC P2270 HO2S Signal Stuck Lean Sensor 2 DTC P2271 HO2S Signal Stuck Rich Sensor 2
<u>DTC P0171 or P0172</u>	DTC P0171 Fuel Trim System Lean DTC P0172 Fuel Trim System Rich
<u>DTC P018B-P018D</u>	DTC P018B Fuel Pressure Sensor Performance DTC P018C Fuel Pressure Sensor Circuit Low Voltage DTC P018D Fuel Pressure Sensor Circuit High Voltage
<u>DTC P0191</u>	DTC P0191 Fuel Rail Pressure Sensor Performance
<u>DTC P0192 or P0193</u>	DTC P0192 Fuel Rail Pressure Sensor Circuit Low Voltage DTC P0193 Fuel Rail Pressure Sensor Circuit High Voltage
<u>DTC P0201-P0204, P0261, P0262, P0264, P0265, P0267, P0268, P0270, P0271, P1248, P1249, P124A, P124B, P2147, P2148, P2150, P2151, P2153, P2154, P2156, or P2157</u>	DTC P0201 Cylinder 1 Injector Control Circuit DTC P0202 Cylinder 2 Injector Control Circuit DTC P0203 Cylinder 3 Injector Control Circuit DTC P0204 Cylinder 4 Injector Control Circuit DTC P0261 Cylinder 1 Injector Control Circuit Low Voltage DTC P0262 Cylinder 1 Injector Control Circuit High Voltage DTC P0264 Cylinder 2 Injector Control Circuit Low Voltage DTC P0265 Cylinder 2 Injector Control Circuit High Voltage DTC P0267 Cylinder 3 Injector Control Circuit Low Voltage DTC P0268 Cylinder 3 Injector Control Circuit High Voltage DTC P0270 Cylinder 4 Injector Control Circuit Low Voltage DTC P0271 Cylinder 4 Injector Control Circuit High Voltage DTC P1248 Cylinder 1 Injector High Control Circuit Shorted to Control Circuit DTC P1249 Cylinder 2 Injector High Control Circuit Shorted to Control Circuit DTC P124A Cylinder 3 Injector High Control Circuit Shorted to Control Circuit DTC P124B Cylinder 4 Injector High Control Circuit Shorted to Control Circuit

	Control Circuit DTC P2147 Cylinder 1 Injector High Control Circuit Low Voltage DTC P2148 Cylinder 1 Injector High Control Circuit High Voltage DTC P2150 Cylinder 2 Injector High Control Circuit Low Voltage DTC P2151 Cylinder 2 Injector High Control Circuit High Voltage DTC P2153 Cylinder 3 Injector High Control Circuit Low Voltage DTC P2154 Cylinder 3 Injector High Control Circuit High Voltage DTC P2156 Cylinder 4 Injector High Control Circuit Low Voltage DTC P2157 Cylinder 4 Injector High Control Circuit High Voltage
<u>DTC P0231, P0232, or P023F</u>	DTC P0231 Fuel Pump Control Circuit Low Voltage DTC P0232 Fuel Pump Control Circuit High Voltage DTC P023F Fuel Pump Control Circuit
<u>DTC P025A</u>	DTC P025A Fuel Pump Control Module Enable Circuit
<u>DTC P0300-P0304</u>	DTC P0300 Engine Misfire Detected DTC P0301 Cylinder 1 Misfire Detected DTC P0302 Cylinder 2 Misfire Detected DTC P0303 Cylinder 3 Misfire Detected DTC P0304 Cylinder 4 Misfire Detected
<u>DTC P0315</u>	DTC P0315 Crankshaft Position System Variation Not Learned
<u>DTC P0324, P0326, or P06B6</u>	DTC P0324 Knock Sensor System Performance DTC P0326 Knock Sensor Performance DTC P06B6 Control Module Knock Sensor Processor Performance
<u>DTC P0325, P0327, or P0328</u>	DTC P0325 Knock Sensor Circuit DTC P0327 Knock Sensor Circuit Low Voltage DTC P0328 Knock Sensor Circuit High Voltage
<u>DTC P0335 or P0336</u>	DTC P0335 Crankshaft Position Sensor Circuit DTC P0336 Crankshaft Position Sensor Performance
<u>DTC P0340, P0341, P0365, or P0366</u>	DTC P0340 Intake Camshaft Position Sensor Circuit DTC P0341 Intake Camshaft Position Sensor Performance DTC P0365 Exhaust Camshaft Position Sensor Circuit DTC P0366 Exhaust Camshaft Position Sensor Performance
<u>DTC P0351-P0354</u>	DTC P0351 Ignition Coil 1 Control Circuit DTC P0352 Ignition Coil 2 Control Circuit DTC P0353 Ignition Coil 3 Control Circuit DTC P0354 Ignition Coil 4 Control Circuit
<u>DTC P0411</u>	DTC P0411 Secondary Air Injection System Incorrect Air Flow Detected
<u>DTC P0412 or P0418</u>	DTC P0412 Secondary Air Injection Valve Control Circuit DTC P0418 Secondary Air Injection Pump Relay Control Circuit
<u>DTC P0420</u>	DTC P0420 Catalyst System Low Efficiency
<u>DTC P0442</u>	DTC P0442 Evaporative Emission (EVAP) System Small Leak Detected
<u>DTC P0443 or P0449</u>	DTC P0443 Evaporative Emission (EVAP) Purge Solenoid Valve Control Circuit DTC P0449 Evaporative Emission (EVAP) Vent Solenoid Valve Control Circuit

<u>DTC P0446</u>	DTC P0446 Evaporative Emission (EVAP) Vent System Performance
<u>DTC P0451-P0454</u>	DTC P0451 Fuel Tank Pressure Sensor Performance DTC P0452 Fuel Tank Pressure Sensor Circuit Low Voltage DTC P0453 Fuel Tank Pressure Sensor Circuit High Voltage DTC P0454 Fuel Tank Pressure Sensor Circuit Intermittent
<u>DTC P0455</u>	DTC P0455 Evaporative Emission (EVAP) System Large Leak Detected
<u>DTC P0496</u>	DTC P0496 Evaporative Emission (EVAP) System Flow During Non-Purge
<u>DTC P0506 or P0507</u>	DTC P0506 Idle Speed Low DTC P0507 Idle Speed High
<u>DTC P050D</u>	DTC P050D Cold Start Rough Idle
<u>DTC P0601-P0604, P0606, P062B, P062F, P0630, P16F3, or P2610 (ECM)</u>	DTC P0601 Control Module Read Only Memory Performance DTC P0602 Control Module Not Programmed DTC P0603 Control Module Long Term Memory Reset DTC P0604 Control Module Random Access Memory Performance DTC P0606 Control Module Processor Performance DTC P062B Control Module Fuel Injector Control Performance DTC P062F Control Module Long Term Memory Performance DTC P0630 VIN Not Programmed or Mismatched - Engine Control Module (ECM) DTC P16F3 Control Module Redundant Memory Performance DTC P2610 Control Module Ignition Off Timer Performance
<u>DTC P0601-P0604, P0606, or P062F (Fuel Pump Control Module)</u>	DTC P0601 Control Module Read Only Memory Performance DTC P0602 Control Module Not Programmed DTC P0603 Control Module Long Term Memory Reset DTC P0604 Control Module Random Access Memory Performance DTC P0606 Control Module Processor Performance DTC P062F Control Module Long Term Memory Performance
<u>DTC P0627 or P0628</u>	DTC P0627 Fuel Pump Enable Circuit DTC P0628 Fuel Pump Enable Circuit Low Voltage
<u>DTC P0641, P0651, P0697, or P06A3 (ECM)</u>	DTC P0641 5 V Reference 1 Circuit DTC P0651 5 V Reference 2 Circuit DTC P0697 5 V Reference 3 Circuit DTC P06A3 5 V Reference 4 Circuit
<u>DTC P0641 or P06A6 (Fuel Pump Control Module)</u>	DTC P0641 5 V Reference Circuit DTC P06A6 5 V Reference 1 Performance
<u>DTC P0650</u>	DTC P0650 Malfunction Indicator Lamp (MIL) Control Circuit
<u>DTC P0685, P0689, P0690, or P1682</u>	DTC P0685 Engine Controls Ignition Relay Control Circuit DTC P0689 Engine Controls Ignition Relay Feedback Circuit Low Voltage DTC P0690 Engine Controls Ignition Relay Feedback Circuit High Voltage DTC P1682 Ignition 1 Switch Circuit 2
<u>DTC P069E</u>	DTC P069E Fuel Pump Control Module Requested MIL Illumination
<u>DTC P0700</u>	DTC P0700 Transmission Control Module Requested MIL

	Illumination
<u>DTC P0AC4</u>	DTC P0AC4 Hybrid/EV Powertrain Control Module Requested MIL Illumination
<u>DTC P1255 or P064A</u>	DTC P064A Fuel Pump Control Module Performance DTC P1255 Fuel Pump Control Module Driver High Temperature
<u>DTC P135A</u>	DTC P135A Ignition Coil Supply Voltage Circuit Bank 1
<u>DTC P1400</u>	DTC P1400 Cold Start Emission Reduction Control System
<u>DTC P1516, P2101, P2119, or P2176</u>	DTC P1516 Throttle Actuator Control (TAC) Module Throttle Actuator Position Performance DTC P2101 Throttle Actuator Position Performance DTC P2119 Throttle Closed Position Performance DTC P2176 Minimum Throttle Position Not Learned
<u>DTC P15F9</u>	DTC P15F9 Hybrid/EV System Engine Speed Control Intervention Request Type Signal Message Counter Incorrect
<u>DTC P15FB</u>	DTC P15FB Brake Pedal Position Sensor Signal Message Counter Incorrect
<u>DTC P163A</u>	DTC P163A Control Module Fuel Pressure Regulator 1 Control System Circuitry Performance
<u>DTC P2096</u>	DTC P2096 Post Catalyst Fuel Trim System Low Limit
<u>DTC P2097</u>	DTC P2097 Post Catalyst Fuel Trim System High Limit
<u>DTC P2122, P2123, P2127, P2128, or P2138</u>	DTC P2122 Accelerator Pedal Position (APP) Sensor 1 Circuit Low Voltage DTC P2123 Accelerator Pedal Position (APP) Sensor 1 Circuit High Voltage DTC P2127 Accelerator Pedal Position (APP) Sensor 2 Circuit Low Voltage DTC P2128 Accelerator Pedal Position (APP) Sensor 2 Circuit High Voltage DTC P2138 Accelerator Pedal Position (APP) Sensors 1-2 Not Plausible
<u>DTC P219A</u>	DTC P219A Fuel Trim Cylinder Balance
<u>DTC P2430, P2431, P2435, or P2436</u>	DTC P2430 Secondary Air Injection System Pressure Sensor Circuit - Bank 1 (Left Hand) DTC P2431 Secondary Air Injection System Pressure Sensor Performance - Bank 1 (Left Hand) DTC P2435 Secondary Air Injection System Pressure Sensor Circuit Bank 2 - (Right Hand) DTC P2436 Secondary Air Injection System Pressure Sensor Performance Bank 2 - (Right Hand)
<u>DTC P2432, P2433, P2437, or P2438</u>	DTC P2432 Secondary Air Injection System Pressure Sensor Circuit Low Voltage - Bank 1 (Left Hand) DTC P2433 Secondary Air Injection System Pressure Sensor Circuit High Voltage - Bank 1 (Left Hand) DTC P2437 Secondary Air Injection System Pressure Sensor Circuit Low Voltage Bank 2 - (Right Hand) DTC P2438 Secondary Air Injection System Pressure Sensor Circuit

	High Voltage Bank 2 - (Right Hand)
DTC P2440	DTC P2440 Secondary Air Injection System Cut-Off Valve Stuck Open
DTC P2444	DTC P2444 Secondary Air Injection System Pump Stuck On
DTC P2534 (Fuel Pump Control Module)	DTC P2534 Ignition On/Start Switch Circuit Low Voltage
DTC P2544	DTC P2544 Transmission Torque Request Signal Message Counter Incorrect
DTC P2635 (Fuel Pump Control Module)	DTC P2635 Fuel Pump Flow Performance

ENGINE COOLING SYSTEM - DIAGNOSTIC TROUBLE CODES

ENGINE COOLING SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
DTC P00B3 or P00B4	DTC P00B3 Radiator Coolant Temperature Sensor Circuit Low Voltage DTC P00B4 Radiator Coolant Temperature Sensor Circuit High Voltage
DTC P00B7	DTC P00B7 Engine Coolant Flow Insufficient
DTC P0480, P0481, P0691, P0692, P0693, or P0694	DTC P0480 Cooling Fan Relay 1 Control Circuit DTC P0481 Cooling Fan Relays 2 and 3 Control Circuit DTC P0691 Cooling Fan Relay 1 Control Circuit Low Voltage DTC P0692 Cooling Fan Relay 1 Control Circuit High Voltage DTC P0693 Cooling Fan Relays 2 and 3 Control Circuit Low Voltage DTC P0694 Cooling Fan Relays 2 and 3 Control Circuit High Voltage
DTC P0597-P0599	DTC P0597 Engine Coolant Thermostat Heater Control Circuit DTC P0598 Engine Coolant Thermostat Heater Control Circuit Low Voltage DTC P0599 Engine Coolant Thermostat Heater Control Circuit High Voltage
DTC P112F	DTC P112F Radiator Coolant Temperature Sensor Not Plausible
DTC P2181	DTC P2181 Engine Cooling System Performance

ENGINE ELECTRICAL- HYBRID SYSTEM (HP6) - DIAGNOSTIC TROUBLE CODES

ENGINE ELECTRICAL- HYBRID SYSTEM (HP6) - DIAGNOSTIC CODE INDEX

DTC	Description
DTC B1325, B1330, B1420, B1424, B1517, C0800, C0895, C0899, C0900, C12E1, C12E2, P0560, P0562, or P0563	DTC B1325 03 Device Power Circuit Voltage Below Threshold DTC B1325 07 Device Power Circuit Voltage Above Threshold DTC B1330 03 Device Power 2 Circuit Voltage Below Threshold DTC B1420 00 Device Voltage 1 DTC B1424 00 Device Voltage Low DTC B1517 03 Battery Voltage Below Threshold DTC B1517 07 Battery Voltage Above Threshold

	DTC B1517 5A Battery Voltage Plausibility Failure DTC C12E1 00 Device Voltage Low DTC C0800 03 Device Power 1 Circuit Voltage Below Threshold DTC C0800 07 Device Power 1 Circuit Voltage Above Threshold DTC C0800 11 Device Power 1 Circuit High Input DTC C0800 0D Device Power 1 Circuit High Resistance DTC C0895 03 Device Voltage Below Threshold DTC C0895 07 Device Voltage Below Threshold DTC C0899 00 Device Voltage Low DTC C0900 00 Device Voltage High DTC P0560 System Voltage DTC P0562 System Voltage Low Voltage DTC P0563 System Voltage High Voltage
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ENGINE MECHANICAL - 2.0L (LTG) OR 2.5L (LCV) - DIAGNOSTIC TROUBLE CODES

ENGINE MECHANICAL - 2.0L (LTG) OR 2.5L (LCV) - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P06DA-P06DC</u>	Engine Oil Pressure Control Solenoid Valve Control Circuit
<u>DTC P06DD OR P06DE</u>	Engine Oil Pressure Control Solenoid Valve Stuck

FIXED AND MOVEABLE WINDOWS - DIAGNOSTIC TROUBLE CODES

FIXED AND MOVEABLE WINDOWS - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B0283</u>	DTC B0283 02 Rear Defrost Circuit Short To Ground DTC B0283 05 Rear Defrost Circuit Short To Battery or Open
<u>DTC B316B, B317A, B318A, or B319A (AXG)</u>	DTC B316B Driver Window Switch DTC B317A Passenger Window Switch DTC B318A Left Rear Window Switch DTC B319A Right Rear Window Switch
<u>DTC B316B, B317A, B318A, or B319A (AEC)</u>	DTC B316B Driver Window Switch DTC B317A Passenger Window Switch DTC B318A Left Rear Window Switch DTC B319A Right Rear Window Switch
<u>DTC B3205</u>	DTC B3205 Driver Window Motor

HORN SYSTEM - DIAGNOSTIC TROUBLE CODES

HORN SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B2750</u>	DTC B2750 Horn Relay Secondary Circuit

HVAC SYSTEM - AUTOMATIC - DIAGNOSTIC TROUBLE CODES

HVAC SYSTEM - AUTOMATIC - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B0163</u>	DTC B0163 02 Passenger Compartment Temperature Sensor Circuit Short to Ground DTC B0163 05 Passenger Compartment Temperature Sensor Circuit High Voltage/Open
<u>DTC B0173, B0178, B0509, B0514 or B3933</u>	DTC B0173 02 Upper Left Duct Air Temperature Sensor Circuit Short to Ground DTC B0173 05 Upper Left Duct Air Temperature Sensor Circuit High Voltage/Open DTC B0178 02 Lower Left Duct Air Temperature Sensor Circuit Short to Ground DTC B0178 05 Lower Left Duct Air Temperature Sensor Circuit High Voltage/Open DTC B0509 02 Upper Right Duct Air Temperature Sensor Circuit Short to Ground DTC B0509 05 Upper Right Duct Air Temperature Sensor Circuit High Voltage/Open DTC B0514 02 Lower Right Duct Air Temperature Sensor Circuit Short to Ground DTC B0514 05 Lower Right Duct Air Temperature Sensor Circuit High Voltage/Open DTC B3933 02 Air Conditioning Evaporator Temperature Sensor Circuit Short to Ground DTC B3933 05 Air Conditioning Evaporator Temperature Sensor Circuit High Voltage/Open
<u>DTC B018A, B048C, B048F, or B1395</u>	DTC B018A 02 Windshield Temperature Sensor Circuit Short to Ground DTC B018A 05 Windshield Temperature Sensor Circuit High Voltage/Open DTC B048C 02 Humidity Sensor Humidity Circuit Short to Ground DTC B048C 05 Humidity Sensor Humidity Circuit High Voltage/Open DTC B048F 02 Humidity Sensor Temperature Circuit Short to Ground DTC B048F 05 Humidity Sensor Temperature Circuit High Voltage/Open DTC B1395 03 Control Module Voltage Reference Output Circuit Low Voltage DTC B1395 07 Control Module Voltage Reference Output Circuit High Voltage
<u>DTC B0183</u>	DTC B0183 02 Solar Load Sensor Circuit Short to Ground DTC B0183 05 Solar Load Sensor Circuit High Voltage/Open
<u>DTC B0193</u>	DTC B0193 01 Front Blower Motor Speed Circuit Short to Battery DTC B0193 06 Front Blower Motor Speed Circuit Low Voltage/Open
<u>DTC B0223, B022A, B0233, B023A, B0408, or B0418</u>	DTC B0223 01 Recirculate Position Command 1 Circuit Short to Battery DTC B0223 06 Recirculate Position Command 1 Circuit Low Voltage/Open DTC B022A 01 Recirculate Position Command 2 Circuit Short to Battery

	DTC B022A 06 Recirculate Position Command 2 Circuit Low Voltage/Open DTC B0233 01 Air Flow Control Circuit Short to Battery DTC B0233 06 Air Flow Control Circuit Low Voltage/Open DTC B023A 02 HVAC Actuators Supply Voltage Short to Ground DTC B0408 01 Main Temperature Control Circuit Short to Battery DTC B0408 06 Main Temperature Control Circuit Low Voltage/Open DTC B0418 01 Right Temperature Control Circuit Short to Battery DTC B0418 06 Right Temperature Control Circuit Low Voltage/Open
<u>DTC B269A, B269C, or B269D</u>	DTC B269A Heater Coolant Pump Control Circuit Open DTC B269C Heater Coolant Pump Control Circuit Low DTC B269D Heater Coolant Pump Control Circuit High
<u>DTC B393B</u>	DTC B393B 04 Air Conditioning Compressor Valve Control Circuit Open DTC B393B 0B Air Conditioning Compressor Valve Control Circuit High Current
<u>DTC P0532 or P0533</u>	DTC P0532 Air Conditioning (A/C) Refrigerant Pressure Sensor Circuit Low Voltage DTC P0533 Air Conditioning (A/C) Refrigerant Pressure Sensor Circuit High Voltage
<u>DTC P0645, P0646, or P0647</u>	DTC P0645 Air Conditioning (A/C) Compressor Clutch Relay Control Circuit DTC P0646 Air Conditioning (A/C) Compressor Clutch Relay Control Circuit Low Voltage DTC P0647 Air Conditioning (A/C) Compressor Clutch Relay Control Circuit High Voltage

HVAC SYSTEM - MANUAL - DIAGNOSTIC TROUBLE CODES

HVAC SYSTEM - MANUAL - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B0193</u>	DTC B0193 01 Front Blower Motor Speed Circuit Short to Battery DTC B0193 06 Front Blower Motor Speed Circuit Low Voltage/Open
<u>DTC B0223, B0233, B023A, or B0408</u>	DTC B0223 01 Recirculate Position Command 1 Circuit Short to Battery DTC B0223 06 Recirculate Position Command 1 Circuit Low Voltage/Open DTC B0233 01 Air Flow Control Circuit Short to Battery DTC B0233 06 Air Flow Control Circuit Low Voltage/Open DTC B023A 02 HVAC Actuators Supply Voltage Short to Ground DTC B0408 01 Main Temperature Control Circuit Short to Battery DTC B0408 06 Main Temperature Control Circuit Low Voltage/Open
<u>DTC B393B</u>	DTC B393B 04 Air Conditioning Compressor Valve Control Circuit Open DTC B393B 0B Air Conditioning Compressor Valve Control Circuit High Current
<u>DTC P0532 or P0533</u>	DTC P0532 Air Conditioning (A/C) Refrigerant Pressure Sensor Circuit Low Voltage DTC P0533 Air Conditioning (A/C) Refrigerant Pressure Sensor Circuit

	High Voltage
<u>DTC P0645, P0646, or P0647</u>	DTC P0645 Air Conditioning (A/C) Compressor Clutch Relay Control Circuit
	DTC P0646 Air Conditioning (A/C) Compressor Clutch Relay Control Circuit Low Voltage
	DTC P0647 Air Conditioning (A/C) Compressor Clutch Relay Control Circuit High Voltage

HYBRID/EV CONTROL SYSTEM - DIAGNOSTIC TROUBLE CODES

HYBRID/EV CONTROL SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P057B-P057E</u>	DTC P057B Brake Pedal Position Sensor Performance DTC P057C Brake Pedal Position Sensor Circuit Low Voltage DTC P057D Brake Pedal Position Sensor Circuit High Voltage DTC P057E Brake Pedal Position Sensor Circuit Erratic
<u>DTC P0601-P0604, P0606, P061B, P062F, or P262B (Hybrid Powertrain Control Module)</u>	DTC P0601 Control Module Read Only Memory Performance DTC P0602 Control Module Not Programmed DTC P0603 Control Module Long Term Memory Reset DTC P0604 Control Module Random Access Memory Performance DTC P0606 Control Module Processor Performance DTC P061B Internal Control Module Torque Calculation Performance DTC P062F Control Module Long Term Memory Performance DTC P262B Control Module Power Off Timer Performance
<u>DTC P0697</u>	DTC P0697 5V Reference 3 Circuit
<u>DTC P06AF</u>	DTC P06AF Torque Management System Performance - Forced Engine Shutdown
<u>DTC P06B1 or P06B2</u>	DTC P06B1 Sensor Supply Positive Voltage Circuit Low Voltage DTC P06B2 Sensor Supply Positive Voltage Circuit High Voltage
<u>DTC P0A1B, P1A50, P1A51, P1ADC, or P1EB6</u>	DTC P0A1B Drive Motor Control Module Performance DTC P1A50 Drive Motor Control Module Random Access Memory DTC P1A51 Drive Motor Control Module Read Only Memory DTC P1ADC Drive Motor Control Module Long Term Memory Performance DTC P1EB6 Drive Motor Control Module Long Term Memory Reset
<u>DTC P0A2B-P0A2D</u>	DTC P0A2B Drive Motor Temperature Sensor Performance DTC P0A2C Drive Motor Temperature Sensor Circuit Low Voltage DTC P0A2D Drive Motor Temperature Sensor Circuit High Voltage
<u>DTC P0A2F</u>	DTC P0A2F Drive Motor High Temperature
<u>DTC P0A3F, P0A40, P0C52, P0C53, P0C5C, P0C5D, or P1B03</u>	DTC P0A3F Drive Motor Position Sensor Circuit DTC P0A40 Drive Motor Position Sensor Performance DTC P0C52 Drive Motor Position Sensor Circuit 1 Low Voltage DTC P0C53 Drive Motor Position Sensor Circuit 1 High Voltage DTC P0C5C Drive Motor Position Sensor Circuit 2 Low Voltage DTC P0C5D Drive Motor Position Sensor Circuit 2 High Voltage DTC P1B03 Drive Motor Position Sensor Circuit Tracking Lost

<u>DTC P0A78</u>	DTC P0A78 Drive Motor Inverter Performance
<u>DTC P0A88 or P0A89</u>	DTC P0A88 14V Power Module Input Current Sensor Circuit Low Current DTC P0A89 14V Power Module Input Current Sensor Circuit High Current
<u>DTC P0A8D or P0A8E</u>	DTC P0A8D 14V Power Module System Voltage Low Voltage DTC P0A8E 14V Power Module System Voltage High Voltage
<u>DTC P0A8F</u>	DTC P0A8F 14V Power Module System Voltage Performance
<u>DTC P0A90</u>	DTC P0A90 Drive Motor Performance
<u>DTC P0AB9</u>	DTC P0AB9 Hybrid/EV System Performance
<u>DTC P0AEE, P0AEF, or P0AF0</u>	DTC P0AEE Drive Motor Inverter Temperature Sensor Performance DTC P0AEF Drive Motor Inverter Temperature Sensor Circuit Low Voltage DTC P0AF0 Drive Motor Inverter Temperature Sensor Circuit High Voltage
<u>DTC P0B09</u>	DTC P0B09 Auxiliary Transmission Fluid Pump Supply Voltage Relay Control Circuit
<u>DTC P0BE6-P0BE8, P0BEE, P0BEF, or P0BF0</u>	DTC P0BE6 Drive Motor Phase U Current Sensor Performance DTC P0BE7 Drive Motor Phase U Current Sensor Circuit Low Voltage DTC P0BE8 Drive Motor Phase U Current Sensor Circuit High Voltage DTC P0BEE Drive Motor Phase W Current Sensor Performance DTC P0BEF Drive Motor Phase W Current Sensor Circuit Low Voltage DTC P0BF0 Drive Motor Phase W Current Sensor Circuit High Voltage
<u>DTC P0BFD</u>	DTC P0BFD Drive Motor Phase U-V-W Not Plausible
<u>DTC P0C01</u>	DTC P0C01 Drive Motor High Current
<u>DTC P0C05</u>	DTC P0C05 Drive Motor Phase U-V-W Circuits
<u>DTC P0C0B</u>	DTC P0C0B Drive Motor Inverter Supply Voltage Circuit
<u>DTC P0C11</u>	DTC P0C11 Drive Motor Inverter Phase U High Temperature
<u>DTC P0C19</u>	DTC P0C19 Drive Motor Torque Delivered Performance
<u>DTC P0C76</u>	DTC P0C76 Hybrid/EV Battery System High Voltage Present
<u>DTC P0C9E or P0C9F</u>	DTC P0C9E 14V Power Module Output Current Sensor Circuit Low Current DTC P0C9F 14V Power Module Output Current Sensor Circuit High Current
<u>DTC P0CA2</u>	DTC P0CA2 14V Power Module Step Down Voltage Performance
<u>DTC P0CC5</u>	DTC P0CC5 14V Power Module Input-Output Current Sensors Not Plausible
<u>DTC P15F0</u>	DTC P15F0 Engine Torque Delivered Signal Message Counter Incorrect
<u>DTC P15F2</u>	DTC P15F2 Engine Torque Command Signal Message Counter Incorrect

<u>DTC P15F4</u>	DTC P15F4 Drive Motor Torque Delivered Signal Message Counter Incorrect
<u>DTC P15F5</u>	DTC P15F5 Crankshaft Torque Command Signal Message Counter Incorrect
<u>DTC P16F3</u>	DTC P16F3 Control Module Redundant Memory Performance
<u>DTC P1A56</u>	DTC P1A56 Hybrid/EV System Voltage Discharge Circuit
<u>DTC P1A6F</u>	DTC P1A6F Drive Motor No Crank at Restart
<u>DTC P1A71-P1A73</u>	DTC P1A71 14V Power Module Temperature Sensor 2 Performance DTC P1A72 14V Power Module Temperature Sensor 2 Circuit Low Voltage DTC P1A73 14V Power Module Temperature Sensor 2 Circuit High Voltage
<u>DTC P1A90-P1A92</u>	DTC P1A90 14V Power Module Temperature Sensor 1 Performance DTC P1A91 14V Power Module Temperature Sensor 1 Circuit Low Voltage DTC P1A92 14V Power Module Temperature Sensor 1 Circuit High Voltage
<u>DTC P1ADE or P1ADF</u>	DTC P1ADE Drive Motor Control Module System Voltage Low Voltage DTC P1ADF Drive Motor Control Module System Voltage High Voltage
<u>DTC P1AE8 or P1AE9</u>	DTC P1AE8 Drive Motor Control Module Hybrid/EV Battery Voltage Sense Circuit Low Voltage DTC P1AE9 Drive Motor Control Module Hybrid/EV Battery Voltage Sense Circuit High Voltage
<u>DTC P1AEC or P1AEE</u>	DTC P1AEC Drive Motor Control Module Hybrid/EV Battery System Voltage DTC P1AEE Drive Motor Control Module Hybrid/EV Battery System Voltage High Voltage
<u>DTC P1AF0</u>	DTC P1AF0 Drive Motor Control Module Hybrid/EV Battery Voltage System Isolation Lost
<u>DTC P1AF4 or P1AF5</u>	DTC P1AF4 Drive Motor Control Module Hybrid/EV Battery Voltage Isolation Sensing Circuit 1 Low Voltage DTC P1AF5 Drive Motor Control Module Hybrid/EV Battery Voltage Isolation Sensing Circuit 1 High Voltage
<u>DTC P1B0B or P1B0C</u>	DTC P1B0B Drive Motor Control Module Hybrid/EV Battery Voltage Isolation Sensing Circuit 2 Low Voltage DTC P1B0C Drive Motor Control Module Hybrid/EV Battery Voltage Isolation Sensing Circuit 2 High Voltage
<u>DTC P1B0D</u>	DTC P1B0D Drive Motor Control Module Drive Motor Overspeed
<u>DTC P1B41</u>	DTC P1B41 Drive Motor Control Module Hybrid/EV Battery Voltage Isolation Sensing Performance
<u>DTC P1E0A</u>	DTC P1E0A Drive Motor Control Module Torque Calculation Performance
<u>DTC P1E3B</u>	DTC P1E3B Drive Motor Rotor High Temperature

<u>DTC P1E3C</u>	DTC P1E3C Control Module Calculated Hybrid/EV Battery Performance
<u>DTC P2534 or P2535</u>	DTC P2534 Ignition On/Start Switch Circuit Low Voltage DTC P2535 Ignition On/Start Switch Circuit High Voltage
<u>DTC P2537</u>	DTC P2537 Ignition Accessory Switch Circuit Low Voltage
<u>DTC P2797</u>	DTC P2797 Auxiliary Transmission Fluid Pump Performance

HYBRID/EV COOLING SYSTEM - DIAGNOSTIC TROUBLE CODES

HYBRID/EV COOLING SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P0AAD-P0AAF</u>	DTC P0AAD Hybrid/EV Battery Pack Air Temperature Sensor 1 Performance DTC P0AAE Hybrid/EV Battery Pack Air Temperature Sensor 1 Circuit Low Voltage DTC P0AAF Hybrid/EV Battery Pack Air Temperature Sensor 1 Circuit High Voltage
<u>DTC P0A7E</u>	DTC P0A7E Hybrid/EV Battery Pack High Temperature
<u>DTC P0A9C-P0A9E, P0AC6-P0AC8, P0ACB-P0ACD, P0AE9-P0AEB, P0BC3-P0BC5, or P0C34-P0C36</u>	DTC P0A9C Hybrid/EV Battery Temperature Sensor 1 Performance DTC P0A9D Hybrid/EV Battery Temperature Sensor 1 Circuit Low Voltage DTC P0A9E Hybrid/EV Battery Temperature Sensor 1 Circuit High Voltage DTC P0AC6 Hybrid/EV Battery Temperature Sensor 2 Performance DTC P0AC7 Hybrid/EV Battery Temperature Sensor 2 Circuit Low Voltage DTC P0AC8 Hybrid/EV Battery Temperature Sensor 2 Circuit High Voltage DTC P0ACB Hybrid/EV Battery Temperature Sensor 3 Performance DTC P0ACC Hybrid/EV Battery Temperature Sensor 3 Circuit Low Voltage DTC P0ACD Hybrid/EV Battery Temperature Sensor 3 Circuit High Voltage DTC P0AE9 Hybrid/EV Battery Temperature Sensor 4 Performance DTC P0AEA Hybrid/EV Battery Temperature Sensor 4 Circuit Low Voltage DTC P0AEB Hybrid/EV Battery Temperature Sensor 4 Circuit High Voltage DTC P0BC3 Hybrid/EV Battery Temperature Sensor 5 Performance DTC P0BC4 Hybrid/EV Battery Temperature Sensor 5 Circuit Low Voltage DTC P0BC5 Hybrid/EV Battery Temperature Sensor 5 Circuit High Voltage DTC P0C34 Hybrid/EV Battery Temperature Sensor 6 Performance DTC P0C35 Hybrid/EV Battery Temperature Sensor 6 Circuit Low Voltage

	DTC P0C36 Hybrid/EV Battery Temperature Sensor 6 Circuit High Voltage
<u>DTC P0C32</u>	DTC P0C32 Hybrid/EV Battery Pack Cooling System Performance
<u>DTC P0CBD-P0CBF</u>	DTC P0CBD Drive Motor Coolant Temperature Sensor Performance DTC P0CBE Drive Motor Coolant Temperature Sensor Circuit Low Voltage DTC P0CBF Drive Motor Coolant Temperature Sensor Circuit High Voltage

HYBRID/EV ENERGY STORAGE SYSTEM - DIAGNOSTIC TROUBLE CODES

HYBRID/EV ENERGY STORAGE SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC P0641</u>	DTC P0641 5V Reference 1 Circuit
<u>DTC P0651, P0A0C, or P0A0D</u>	DTC P0651 5V Reference 2 Circuit DTC P0A0C High Voltage System Interlock Circuit 1 Low Voltage DTC P0A0D High Voltage System Interlock Circuit 1 High Voltage
<u>DTC P0A1F, P1A01, P1A05, P1A06, or P1A5C</u>	DTC P0A1F Battery Energy Control Module Performance DTC P1A01 Battery Energy Control Module Long Term Memory Performance DTC P1A05 Battery Energy Control Module Random Access Memory DTC P1A06 Battery Energy Control Module Read Only Memory DTC P1A5C Battery Energy Control Module Main Processor Performance
<u>DTC P0A80</u>	DTC P0A80 Replace Hybrid/EV Battery Pack
<u>DTC P0AA6</u>	DTC P0AA6 Hybrid/EV Battery Voltage System Isolation Lost
<u>DTC P0AA8-P0AAA</u>	DTC P0AA8 Hybrid/EV Battery Voltage Isolation Sensing Performance DTC P0AA9 Hybrid/EV Battery Voltage Isolation Sensing Circuit 1 Low Voltage DTC P0AAA Hybrid/EV Battery Voltage Isolation Sensing Circuit 1 High Voltage
<u>DTC P0ABB, P0ABC, or P0ABD</u>	DTC P0ABB Hybrid/EV Battery Voltage Sensor Performance DTC P0ABC Hybrid/EV Battery Voltage Sensor Circuit Low Voltage DTC P0ABD Hybrid/EV Battery Voltage Sensor Circuit High Voltage
<u>DTC P0AC1, P0AC2, P1A07, or P1EBA</u>	DTC P0AC1 Hybrid/EV Battery Current Sensor Circuit Low Voltage DTC P0AC2 Hybrid/EV Battery Current Sensor Circuit High Voltage DTC P1A07 Battery Energy Control Module 5V Reference Circuit DTC P1EBA Hybrid/EV Battery Current Sensor Exceeded Learning Limit
<u>DTC P0ADB or P0ADC</u>	DTC P0ADB Hybrid/EV Battery Positive Contactor Control Circuit Low Voltage DTC P0ADC Hybrid/EV Battery Positive Contactor Control Circuit High Voltage
<u>DTC P0AE6 or P0AE7</u>	DTC P0AE6 Hybrid/EV Battery Precharge Contactor Control Circuit

	Low Voltage DTC P0AE7 Hybrid/EV Battery Precharge Contactor Control Circuit High Voltage
<u>DTC P0AF8</u>	DTC P0AF8 Hybrid/EV System Voltage
<u>DTC P0AFA or P0AFB</u>	DTC P0AFA Hybrid/EV Battery System Voltage Low Voltage DTC P0AFB Hybrid/EV Battery System Voltage High Voltage
<u>DTC P0B3B-P0BBB, P1B16-P1B2D, P1B3D, or P1B3E</u>	DTC P0B3B Hybrid/EV Battery 1 Circuit DTC P0B3C Hybrid/EV Battery 1 Circuit Performance DTC P0B3D Hybrid/EV Battery 1 Circuit Low Voltage DTC P0B3E Hybrid/EV Battery 1 Circuit High Voltage DTC P0B40 Hybrid/EV Battery 2 Circuit DTC P0B41 Hybrid/EV Battery 2 Circuit Performance DTC P0B42 Hybrid/EV Battery 2 Circuit Low Voltage DTC P0B43 Hybrid/EV Battery 2 Circuit High Voltage DTC P0B45 Hybrid/EV Battery 3 Circuit DTC P0B46 Hybrid/EV Battery 3 Circuit Performance DTC P0B47 Hybrid/EV Battery 3 Circuit Low Voltage DTC P0B48 Hybrid/EV Battery 3 Circuit High Voltage DTC P0B4A Hybrid/EV Battery 4 Circuit DTC P0B4B Hybrid/EV Battery 4 Circuit Performance DTC P0B4C Hybrid/EV Battery 4 Circuit Low Voltage DTC P0B4D Hybrid/EV Battery 4 Circuit High Voltage DTC P0B4F Hybrid/EV Battery 5 Circuit DTC P0B50 Hybrid/EV Battery 5 Circuit Performance DTC P0B51 Hybrid/EV Battery 5 Circuit Low Voltage DTC P0B52 Hybrid/EV Battery 5 Circuit High Voltage DTC P0B54 Hybrid/EV Battery 6 Circuit DTC P0B55 Hybrid/EV Battery 6 Circuit Performance DTC P0B56 Hybrid/EV Battery 6 Circuit Low Voltage DTC P0B57 Hybrid/EV Battery 6 Circuit High Voltage DTC P0B59 Hybrid/EV Battery 7 Circuit DTC P0B5A Hybrid/EV Battery 7 Circuit Performance DTC P0B5B Hybrid/EV Battery 7 Circuit Low Voltage DTC P0B5C Hybrid/EV Battery 7 Circuit High Voltage DTC P0B5E Hybrid/EV Battery 8 Circuit DTC P0B5F Hybrid/EV Battery 8 Circuit Performance DTC P0B60 Hybrid/EV Battery 8 Circuit Low Voltage DTC P0B61 Hybrid/EV Battery 8 Circuit High Voltage DTC P0B63 Hybrid/EV Battery 9 Circuit DTC P0B64 Hybrid/EV Battery 9 Circuit Performance DTC P0B65 Hybrid/EV Battery 9 Circuit Low Voltage DTC P0B66 Hybrid/EV Battery 9 Circuit High Voltage DTC P0B68 Hybrid/EV Battery 10 Circuit DTC P0B69 Hybrid/EV Battery 10 Circuit Performance DTC P0B6A Hybrid/EV Battery 10 Circuit Low Voltage DTC P0B6B Hybrid/EV Battery 10 Circuit High Voltage DTC P0B6D Hybrid/EV Battery 11 Circuit

DTC P0B6E Hybrid/EV Battery 11 Circuit Performance
DTC P0B6F Hybrid/EV Battery 11 Circuit Low Voltage
DTC P0B70 Hybrid/EV Battery 11 Circuit High Voltage
DTC P0B72 Hybrid/EV Battery 12 Circuit Performance
DTC P0B73 Hybrid/EV Battery 12 Circuit Low Voltage
DTC P0B74 Hybrid/EV Battery 12 Circuit High Voltage
DTC P0B77 Hybrid/EV Battery 13 Circuit Performance
DTC P0B78 Hybrid/EV Battery 13 Circuit Low Voltage
DTC P0B79 Hybrid/EV Battery 13 Circuit High Voltage
DTC P0B7A Hybrid/EV Battery 14 Circuit Performance
DTC P0B7C Hybrid/EV Battery 14 Circuit Low Voltage
DTC P0B7D Hybrid/EV Battery 14 Circuit High Voltage
DTC P0B7E Hybrid/EV Battery 15 Circuit Performance
DTC P0B7F Hybrid/EV Battery 15 Circuit Low Voltage
DTC P0B81 Hybrid/EV Battery 15 Circuit High Voltage
DTC P0B82 Hybrid/EV Battery 16 Circuit Performance
DTC P0B83 Hybrid/EV Battery 16 Circuit Low Voltage
DTC P0B84 Hybrid/EV Battery 16 Circuit High Voltage
DTC P0B86 Hybrid/EV Battery 17 Circuit Performance
DTC P0B87 Hybrid/EV Battery 17 Circuit Low Voltage
DTC P0B88 Hybrid/EV Battery 17 Circuit High Voltage
DTC P0B89 Hybrid/EV Battery 18 Circuit Performance
DTC P0B8B Hybrid/EV Battery 18 Circuit Low Voltage
DTC P0B8C Hybrid/EV Battery 18 Circuit High Voltage
DTC P0B8D Hybrid/EV Battery 19 Circuit Performance
DTC P0B8E Hybrid/EV Battery 19 Circuit Low Voltage
DTC P0B8F Hybrid/EV Battery 19 Circuit High Voltage
DTC P0B90 Hybrid/EV Battery 20 Circuit Performance
DTC P0B91 Hybrid/EV Battery 20 Circuit Low Voltage
DTC P0B92 Hybrid/EV Battery 20 Circuit High Voltage
DTC P0B93 Hybrid/EV Battery 21 Circuit Performance
DTC P0B95 Hybrid/EV Battery 21 Circuit Low Voltage
DTC P0B96 Hybrid/EV Battery 21 Circuit High Voltage
DTC P0B97 Hybrid/EV Battery 22 Circuit Performance
DTC P0B98 Hybrid/EV Battery 22 Circuit Low Voltage
DTC P0B99 Hybrid/EV Battery 22 Circuit High Voltage
DTC P0B9A Hybrid/EV Battery 23 Circuit Performance
DTC P0B9B Hybrid/EV Battery 23 Circuit Low Voltage
DTC P0B9C Hybrid/EV Battery 23 Circuit High Voltage
DTC P0B9D Hybrid/EV Battery 24 Circuit Performance
DTC P0B9E Hybrid/EV Battery 24 Circuit Low Voltage
DTC P0B9F Hybrid/EV Battery 24 Circuit High Voltage
DTC P0BA0 Hybrid/EV Battery 25 Circuit Performance
DTC P0BA1 Hybrid/EV Battery 25 Circuit Low Voltage
DTC P0BA2 Hybrid/EV Battery 25 Circuit High Voltage
DTC P0BA4 Hybrid/EV Battery 26 Circuit Performance
DTC P0BA5 Hybrid/EV Battery 26 Circuit Low Voltage
DTC P0BA6 Hybrid/EV Battery 26 Circuit High Voltage
DTC P0BA7 Hybrid/EV Battery 27 Circuit Performance
DTC P0BA9 Hybrid/EV Battery 27 Circuit Low Voltage

	DTC P0BAA Hybrid/EV Battery 23 Circuit Performance DTC P0BAB Hybrid/EV Battery 23 Circuit Low Voltage DTC P0BAC Hybrid/EV Battery 23 Circuit High Voltage DTC P0BAE Hybrid/EV Battery 24 Circuit DTC P0BAF Hybrid/EV Battery 24 Circuit Performance DTC P0BB0 Hybrid/EV Battery 24 Circuit Low Voltage DTC P0BB1 Hybrid/EV Battery 24 Circuit High Voltage DTC P0BB3 Hybrid/EV Battery 25 Circuit DTC P0BB4 Hybrid/EV Battery 25 Circuit Performance DTC P0BB5 Hybrid/EV Battery 25 Circuit Low Voltage DTC P0BB6 Hybrid/EV Battery 25 Circuit High Voltage DTC P0BB8 Hybrid/EV Battery 26 Circuit DTC P0BB9 Hybrid/EV Battery 26 Circuit Performance DTC P0BBA Hybrid/EV Battery 26 Circuit Low Voltage DTC P0BBB Hybrid/EV Battery 26 Circuit High Voltage DTC P1B16 Hybrid/EV Battery 27 Circuit Performance DTC P1B17 Hybrid/EV Battery 27 Circuit Low Voltage DTC P1B18 Hybrid/EV Battery 27 Circuit High Voltage DTC P1B19 Hybrid/EV Battery 28 Circuit Performance DTC P1B1A Hybrid/EV Battery 28 Circuit Low Voltage DTC P1B1B Hybrid/EV Battery 28 Circuit High Voltage DTC P1B1C Hybrid/EV Battery 29 Circuit Performance DTC P1B1D Hybrid/EV Battery 29 Circuit Low Voltage DTC P1B1E Hybrid/EV Battery 29 Circuit High Voltage DTC P1B1F Hybrid/EV Battery 30 Circuit Performance DTC P1B20 Hybrid/EV Battery 30 Circuit Low Voltage DTC P1B21 Hybrid/EV Battery 30 Circuit High Voltage DTC P1B22 Hybrid/EV Battery 31 Circuit Performance DTC P1B23 Hybrid/EV Battery 31 Circuit Low Voltage DTC P1B24 Hybrid/EV Battery 31 Circuit High Voltage DTC P1B25 Hybrid/EV Battery 32 Circuit Performance DTC P1B26 Hybrid/EV Battery 32 Circuit Low Voltage DTC P1B27 Hybrid/EV Battery 32 Circuit High Voltage DTC P1B28 Hybrid/EV Battery 27 Circuit DTC P1B29 Hybrid/EV Battery 28 Circuit DTC P1B2A Hybrid/EV Battery 29 Circuit DTC P1B2B Hybrid/EV Battery 30 Circuit DTC P1B2C Hybrid/EV Battery 31 Circuit DTC P1B2D Hybrid/EV Battery 32 Circuit DTC P1B3D Hybrid/EV Battery Voltage Sense Low Reference 1 Circuit DTC P1B3E Hybrid/EV Battery Voltage Sense Low Reference 2 Circuit
<u>DTC P0BBE</u>	DTC P0BBE Hybrid/EV Battery Pack Voltage
<u>DTC P0C77 or P0C78</u>	DTC P0C77 Hybrid/EV Battery System Precharge Time Too Short DTC P0C78 Hybrid/EV Battery System Precharge Time Too Long
<u>DTC P1A0C</u>	DTC P1A0C Battery Energy Control Module System Voltage Low

	Voltage
<u>DTC P1A5D</u>	DTC P1A5D Battery Energy Control Module 5V Reference 2 Circuit
<u>DTC P1A5E or P1A5F</u>	DTC P1A5E Battery Energy Control Module Ignition On/Start Switch Circuit Low Voltage DTC P1A5F Battery Energy Control Module Ignition On/Start Switch Circuit High Voltage
<u>DTC P1A60</u>	DTC P1A60 Battery Energy Control Module Ignition Accessory Switch Circuit Low Voltage
<u>DTC P1B11</u>	DTC P1B11 Drive Motor Control Module Hybrid/EV AC Voltage System Isolation Lost
<u>DTC P1B33-P1B39</u>	DTC P1B33 Battery Energy Control Module Hybrid/EV Battery Voltage Balance Circuit DTC P1B34 Battery Energy Control Module Hybrid/EV Battery Voltage Balance Processor 1 Performance DTC P1B35 Battery Energy Control Module Hybrid/EV Battery Voltage Balance Processor 2 Performance DTC P1B36 Battery Energy Control Module Hybrid/EV Battery Voltage Balance Processor 3 Performance DTC P1B37 Battery Energy Control Module Hybrid/EV Battery Voltage Balance Processor 4 Performance DTC P1B38 Battery Energy Control Module Hybrid/EV Battery Voltage Balance Processor 5 Performance DTC P1B39 Battery Energy Control Module Hybrid/EV Battery Voltage Balance Processor 6 Performance
<u>DTC P1B3F or P1B40</u>	DTC P1B3F High Voltage System Interlock Circuit 2 Low Voltage DTC P1B40 High Voltage System Interlock Circuit 2 High Voltage
<u>DTC P1E0C or P1E0D</u>	DTC P1E0C Hybrid/EV Battery Voltage Isolation Sensing Circuit 2 Low Voltage DTC P1E0D Hybrid/EV Battery Voltage Isolation Sensing Circuit 2 High Voltage
<u>DTC P1E0F-P1E11</u>	DTC P1E0F Hybrid/EV Battery Voltage Isolation High Resolution Sensing Circuit 1 Low Voltage DTC P1E10 Hybrid/EV Battery Voltage Isolation High Resolution Sensing Circuit 1 High Voltage DTC P1E11 Hybrid/EV Battery Voltage Isolation High Resolution Sensing Circuit 1 Performance
<u>DTC P1E12-P1E14</u>	DTC P1E12 Hybrid/EV Battery Voltage Isolation High Resolution Sensing Circuit 2 Low Voltage DTC P1E13 Hybrid/EV Battery Voltage Isolation High Resolution Sensing Circuit 2 High Voltage DTC P1E14 Hybrid/EV Battery Voltage Isolation High Resolution Sensing Circuit 2 Performance
<u>DTC P1E3D</u>	DTC P1E3D Control Module Calculated Hybrid/EV Battery Performance
<u>DTC P1EAA</u>	DTC P1EAA Hybrid/EV Battery Voltage Balance Processor Multiplexer Performance

<u>DTC P1EAB</u>	DTC P1EAB Battery Energy Control Module Hybrid/EV Battery Cell High Voltage
<u>DTC P1EAC</u>	DTC P1EAC Hybrid/EV Battery Cell Overvoltage Signal Circuit Performance
<u>DTC P1EC0</u>	DTC P1EC0 Hybrid/EV Battery System Contactor(s) Stuck Open

HYDRAULIC BRAKE SYSTEM - DIAGNOSTIC TROUBLE CODES

HYDRAULIC BRAKE SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC C0267</u>	DTC C0267 Low Brake Fluid Indicated
<u>DTC C027B</u>	DTC C027B 00 Brake Booster Electric Vacuum Pump
<u>DTC C0299</u>	DTC C0299 56 Brake Booster Large Vacuum Leak Detected Too Many Transitions
<u>DTC C1100</u>	DTC C1100 00 Brake Pressure Sensor 2 Malfunction DTC C1100 02 Brake Pressure Sensor 2 Short to Ground DTC C1100 04 Brake Pressure Sensor 2 Open DTC C1100 5A Brake Pressure Sensor 2 Not Plausible

IMMOBILIZER SYSTEM - DIAGNOSTIC TROUBLE CODES

IMMOBILIZER SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B2955 (with BTM)</u>	DTC B2955 Security Sensor Data Circuit
<u>DTC B2955 (without BTM)</u>	DTC B2955 Security Sensor Data Circuit
<u>DTC B302A</u>	DTC B302A Mobile Telephone Communications Interface Requested Immobilization
<u>DTC B3031</u>	DTC B3031 Security Controller In Learn Mode
<u>DTC B3055</u>	DTC B3055 No Transponder Modulation or No Transponder
<u>DTC B305C</u>	DTC B305C Immobilizer Transponder of Wrong Type Programmed
<u>DTC B3060</u>	DTC B3060 Unprogrammed Transponder Identification Code Received
<u>DTC B389A</u>	DTC B389A Environment Identification
<u>DTC B3902</u>	DTC B3902 Incorrect Immobilizer Identifier Received
<u>DTC B3935</u>	DTC B3935 Transponder Authentication
<u>DTC B3976</u>	DTC B3976 Unconfigured Transponder
<u>DTC B3984</u>	DTC B3984 Device 1 Environment Identifier Not Programmable
<u>DTC P0513</u>	DTC P0513 Immobilizer Key Incorrect
<u>DTC P0633</u>	DTC P0633 Immobilizer Key Not Programmed
<u>DTC P162B</u>	DTC P162B Remote Vehicle Speed Limiting Signal Message Counter Incorrect
<u>DTC P1631</u>	DTC P1631 Immobilizer Fuel Enable Signal Not Correct
<u>DTC P1649</u>	DTC P1649 Immobilizer Security Code Not Programmed

INSTRUMENT PANEL SYSTEM DISPLAYS AND GAUGES - DIAGNOSTIC TROUBLE CODES

INSTRUMENT PANEL SYSTEM DISPLAYS AND GAUGES - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B0550</u>	DTC B0550 32 Odometer Circuit General Memory Malfunction
<u>DTC B1370</u>	DTC B1370 Control Module Ignition On and Start Circuit
<u>DTC P0520</u>	DTC P0520 Engine Oil Pressure Switch Circuit

KEYLESS ENTRY SYSTEM AND REMOTE FUNCTION SYSTEM - DIAGNOSTIC TROUBLE CODES

KEYLESS ENTRY SYSTEM AND REMOTE FUNCTION SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B3101</u>	DTC B3101 Keyless Entry Data Link Circuit
<u>DTC B3105</u>	DTC B3105 Keyless Entry Transmitters
<u>DTC B3106</u>	DTC B3106 Keyless Entry Data Link
<u>DTC B3109-B3113</u>	DTC B3109 Keyless Entry Transmitter 1 Battery DTC B3110 Keyless Entry Transmitter 2 Battery DTC B3111 Keyless Entry Transmitter 3 Battery DTC B3112 Keyless Entry Transmitter 4 Battery DTC B3113 Keyless Entry Transmitter 5 Battery
<u>DTC B310D-B310F</u>	DTC B310D Keyless Entry Transmitter 6 Battery DTC B310E Keyless Entry Transmitter 7 Battery DTC B310F Keyless Entry Transmitter 8 Battery
<u>DTC B3119</u>	DTC B3119 Keyless Entry Antenna 1
<u>DTC B3120</u>	DTC B3120 Keyless Entry Antenna 2 Short to Ground DTC B3120 Keyless Entry Antenna 2 High Voltage/Open
<u>DTC B3121</u>	DTC B3121 Keyless Entry Antenna 3
<u>DTC B3122</u>	DTC B3122 Keyless Entry Antenna 4
<u>DTC B3123</u>	DTC B3123 Keyless Entry Antenna 5
<u>DTC B3124</u>	DTC B3124 Keyless Entry Antenna 6 Short to Ground DTC B3124 Keyless Entry Antenna 6 High Voltage/Open

LIGHTING SYSTEM - DIAGNOSTIC TROUBLE CODES

LIGHTING SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B2530</u>	DTC B2530 01 Front Fog Lamps Control Circuit Short to Battery DTC B2530 02 Front Fog Lamps Control Circuit Short to Ground DTC B2530 04 Front Fog Lamps Control Circuit Open
<u>DTC B2545</u>	DTC B2545 01 Backup Lamps Circuit Short to Battery DTC B2545 02 Backup Lamps Circuit Short to Ground

	DTC B2545 04 Backup Lamps Circuit Open
<u>DTC B2575 or B2699</u>	DTC B2575 01 Headlamps Control Circuit Short to Battery DTC B2575 02 Headlamps Control Circuit Short to Ground DTC B2575 04 Headlamps Control Circuit Open DTC B2699 01 Right Headlamp Control Circuit Short to Battery DTC B2699 02 Right Headlamp Control Circuit Short to Ground DTC B2699 04 Right Headlamp Control Circuit Open
<u>DTC B257A</u>	DTC B257A 00 Headlamp Switch Input Signals Correlation Malfunction
<u>DTC B257B</u>	DTC B257B 03 Lighting Control Switch Signal Low Voltage DTC B257B 07 Lighting Control Switch Signal High Voltage
<u>DTC B2585 or B3867</u>	DTC B2585 01 Left Park Lamps Control Circuit Short to Battery DTC B2585 02 Left Park Lamps Control Circuit Short to Ground DTC B2585 04 Left Park Lamps Control Circuit Open DTC B3867 01 Right Park Lamps Control Circuit Short to Battery DTC B3867 02 Right Park Lamps Control Circuit Short to Ground DTC B3867 04 Right Park Lamps Control Circuit Open
<u>DTC B258A</u>	DTC B258A 01 Low Beam Control Circuit Short to Battery DTC B258A 02 Low Beam Control Circuit Short to Ground DTC B258A 04 Low Beam Control Circuit Open
<u>DTC B2645</u>	DTC B2645 03 Ambient Light Sensor Circuit Low Voltage DTC B2645 07 Ambient Light Sensor Circuit High Voltage
<u>DTC B2740</u>	DTC B2740 00 Front Fog Lamp Switch Circuit Malfunction
<u>DTC B3596</u>	DTC B3596 00 Hazard Lamps Request Circuit Malfunction
<u>DTC C0277 or C0890</u>	DTC C0277 06 Brake Pedal Position Sensor Circuit Low Voltage/Open DTC C0277 07 Brake Pedal Position Sensor Circuit High Voltage DTC C0277 09 Brake Pedal Position Sensor Circuit Too Fast Transitions DTC C0277 4B Brake Pedal Position Sensor Circuit Calibration Not Learned DTC C0890 03 Control Module Voltage Reference Output 3 Circuit Low Voltage DTC C0890 07 Control Module Voltage Reference Output 3 Circuit High Voltage
<u>DTC C0297</u>	DTC C0297 02 Brake Applied Output Circuit Short to Ground

MIRROR SYSTEM - DIAGNOSTIC TROUBLE CODES

MIRROR SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B154A or B154B</u>	DTC B154A 39 Driver Mirror Internal Malfunction DTC B154B 39 Passenger Mirror Internal Malfunction

OBJECT DETECTION SYSTEM - PARK ASSIST SYSTEM - DIAGNOSTIC TROUBLE CODES

OBJECT DETECTION SYSTEM - PARK ASSIST SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B0958, B0959, B0960, or B0961</u>	DTC B0958 01 Parking Assist Rear Sensor Left Corner Circuit Short to Battery DTC B0958 06 Parking Assist Rear Sensor Left Corner Circuit Low Voltage/Open DTC B0958 08 Parking Assist Rear Sensor Left Corner Circuit Performance - Signal Invalid DTC B0958 21 Parking Assist Rear Sensor Left Corner Circuit Incorrect Period DTC B0958 3A Parking Assist Rear Sensor Left Corner Circuit Incorrect Component Installed DTC B0959 01 Parking Assist Rear Sensor Left Middle Circuit Short to Battery DTC B0959 06 Parking Assist Rear Sensor Left Middle Circuit Low Voltage/Open DTC B0959 08 Parking Assist Rear Sensor Left Middle Circuit Performance - Signal Invalid DTC B0959 21 Parking Assist Rear Sensor Left Middle Circuit Incorrect Period DTC B0959 3A Parking Assist Rear Sensor Left Middle Circuit Incorrect Component Installed DTC B0960 01 Parking Assist Rear Sensor Right Middle Circuit Short to Battery DTC B0960 06 Parking Assist Rear Sensor Right Middle Circuit Low Voltage/Open DTC B0960 08 Parking Assist Rear Sensor Right Middle Circuit Performance - Signal Invalid DTC B0960 21 Parking Assist Rear Sensor Right Middle Circuit Incorrect Period DTC B0960 3A Parking Assist Rear Sensor Right Middle Circuit Incorrect Component Installed DTC B0961 01 Parking Assist Rear Sensor Right Corner Circuit Short to Battery DTC B0961 06 Parking Assist Rear Sensor Right Corner Circuit Low Voltage/Open DTC B0961 08 Parking Assist Rear Sensor Right Corner Circuit Performance - Signal Invalid DTC B0961 21 Parking Assist Rear Sensor Right Corner Circuit Incorrect Period DTC B0961 3A Parking Assist Rear Sensor Right Corner Circuit Incorrect Component Installed
<u>DTC B0967 or B0968</u>	DTC B0967 02 Parking Assist On/Off Switch Circuit Short to Ground DTC B0968 01 Parking Assist On/Off Switch Indicator Circuit Short to Battery DTC B0968 06 Parking Assist On/Off Switch Indicator Circuit Low Voltage/Open

<u>DTC B0987</u>	DTC B0987 01 Vehicle Direction Camera Indicator Circuit Short to Battery. DTC B0987 06 Vehicle Direction Camera Indicator Circuit Low Voltage/Open
<u>DTC B1011</u>	DTC B1011 00 System Disabled Information Stored Malfunction
<u>DTC B1015</u>	DTC B1015 00 Vehicle Identification Number Information Malfunction
<u>DTC B1405</u>	DTC B1405 02 Control Module Voltage Reference Output 2 Circuit Short to Ground DTC B1405 03 Control Module Voltage Reference Output 2 Circuit Low Voltage DTC B1405 07 Control Module Voltage Reference Output 2 Circuit High Voltage
<u>DTC B356A</u>	DTC B356A 02 Vehicle Direction Warning Switch Circuit Short to Ground DTC B356A 05 Vehicle Direction Warning Switch Circuit Short to Voltage

PARKING BRAKE SYSTEM - DIAGNOSTIC TROUBLE CODES

PARKING BRAKE SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC C028A, C028B, or C028F</u>	DTC C028A 00 Park Brake Motor Circuit Malfunction DTC C028A 01 Park Brake Motor Circuit Short to Battery DTC C028A 02 Park Brake Motor Circuit Short to Ground DTC C028A 04 Park Brake Motor Circuit Open Circuit DTC C028A 05 Park Brake Motor Circuit Short to Battery or Open Circuit DTC C028A 08 Park Brake Motor Circuit Performance - Signal Invalid DTC C028A 28 Park Brake Motor Circuit Performance - Incorrect Frequency DTC C028A 61 Park Brake Motor Circuit Actuator Stuck DTC C028B 08 Park Brake Motor Position Sensor Signal Performance - Signal Invalid DTC C028B 26 Park Brake Motor Position Sensor Signal Low Frequency DTC C028B 29 Park Brake Motor Position Sensor Signal Too Few Pulses DTC C028B 2A Park Brake Motor Position Sensor Signal Too Many Pulses DTC C028F 01 Park Brake Solenoid Actuator Circuit Short to Battery DTC C028F 02 Park Brake Solenoid Actuator Circuit Short to Ground DTC C028F 08 Park Brake Solenoid Actuator Circuit Performance - Signal Invalid
<u>DTC C027D or C028D</u>	DTC C027D 64 Park Brake Slip Detected DTC C028D 00 Replace Park Brake Pad
<u>DTC C0293</u>	DTC C0293 00 Park Brake Switch Malfunction DTC C0293 01 Park Brake Switch Short to Battery DTC C0293 02 Park Brake Switch Short to Ground DTC C0293 04 Park Brake Switch Open DTC C0293 06 Park Brake Switch Low Voltage/Open DTC C0293 08 Park Brake Switch Performance - Signal Invalid

<u>DTC C0298</u>	DTC C0298 00 Park Brake Unlatch Switch Circuit Malfunction DTC C0298 01 Park Brake Unlatch Switch Circuit Short to Battery DTC C0298 02 Park Brake Unlatch Switch Circuit Short to Ground DTC C0298 04 Park Brake Unlatch Switch Circuit Open DTC C0298 08 Park Brake Unlatch Switch Circuit Performance - Signal Invalid
<u>DTC C0558</u>	DTC C0558 55 Calibration Data Too Few Transitions DTC C0558 5A Calibration Data Not Plausible
<u>DTC C0561</u>	DTC C0561 71 System Disabled Information Stored Invalid Data
<u>DTC C056D</u>	DTC C056D 00 Electronic Control Unit Hardware Malfunction DTC C056D 34 Electronic Control Unit Hardware RAM Malfunction DTC C056D 35 Electronic Control Unit Hardware ROM Malfunction DTC C056D 36 Electronic Control Unit Hardware EEPROM Performance/Malfunction DTC C056D 37 Electronic Control Unit Hardware Software Malfunction DTC C056D 38 Electronic Control Unit Hardware Supervision Software Malfunction DTC C056D 39 Electronic Control Unit Hardware Internal Malfunction DTC C056D 3B Electronic Control Unit Hardware Internal Self - Test Malfunction DTC C056D 3C Electronic Control Unit Hardware Internal Communication Malfunction
<u>DTC C056E</u>	DTC C056E 41 Electronic Control Unit Software Not Programmed DTC C056E 42 Electronic Control Unit Software Calibration Not Programmed DTC C056E 47 Electronic Control Unit Software VIN Not Programmed DTC C056E 5A Electronic Control Unit Software Not Plausible DTC C056E 71 Electronic Control Unit Software Invalid Data
<u>DTC C0574</u>	DTC C0574 00 Printed Circuit Board Temperature Sensor Malfunction DTC C0574 01 Printed Circuit Board Temperature Sensor Short to Battery DTC C0574 02 Printed Circuit Board Temperature Sensor Short to Ground DTC C0574 54 Printed Circuit Board Temperature Sensor High

POWER DOOR LOCK SYSTEM AND RELEASE SYSTEMS - DIAGNOSTIC TROUBLE CODES

POWER DOOR LOCK SYSTEM AND RELEASE SYSTEMS - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B1474 or B3849</u>	DTC B1474 02 Passenger Exterior Door Handle Switch Circuit Short to Ground DTC B3849 02 Driver Exterior Door Handle Switch Circuit Short to Ground
<u>DTC B1534 or B1535</u>	DTC B1534 02 Left Rear Door Handle Switch Circuit Short to Ground DTC B1535 02 Right Rear Door Handle Switch Circuit Short to Ground
<u>DTC B3265</u>	DTC B3265 02 Trunk Lid Unlatch Output Circuit Short to Ground

<u>DTC B3618</u>	DTC B3618 00 Exterior Liftgate Unlatch Switch Circuit Malfunction
<u>DTC B3930</u>	DTC B3930 02 Child Security Lock Motors Circuit Short to Ground

POWER SEAT SYSTEM - DIAGNOSTIC TROUBLE CODES

POWER SEAT SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B1735, B1740, B1745, B1750, B1755, B1760, B1815, or B1820</u>	DTC B1735 02 Driver Seat Front Up Switch Circuit Short to Ground DTC B1740 02 Driver Seat Front Down Switch Circuit Short to Ground DTC B1745 02 Driver Seat Rear Up Switch Circuit Short to Ground DTC B1750 02 Driver Seat Rear Down Switch Circuit Short to Ground DTC B1755 02 Driver Seat Assembly Forward Switch Circuit Short to Ground DTC B1760 02 Driver Seat Assembly Rearward Switch Circuit Short to Ground DTC B1815 02 Driver Seat Recline Forward Switch Circuit Short to Ground DTC B1820 02 Driver Seat Recline Rearward Switch Circuit Short to Ground
<u>DTC B1825, B2355, B2365, or B2375</u>	DTC B1825 01 Driver Seat Recline Position Sensor Circuit Short to Battery DTC B1825 06 Driver Seat Recline Position Sensor Circuit Low Voltage/Open DTC B2355 01 Driver Seat Front Vertical Position Sensor Circuit Short to Battery DTC B2355 06 Driver Seat Front Vertical Position Sensor Circuit Low Voltage/Open DTC B2365 01 Driver Seat Rear Vertical Position Sensor Circuit Short to Battery DTC B2365 06 Driver Seat Rear Vertical Position Sensor Circuit Low Voltage/Open DTC B2375 01 Driver Seat Assembly Horizontal Position Sensor Circuit Short to Battery DTC B2375 06 Driver Seat Assembly Horizontal Position Sensor Circuit Low Voltage/Open
<u>DTC B3920</u>	DTC B3920 00 Driver Seat Motors Group 1 Common Circuit Malfunction DTC B3920 01 Driver Seat Motors Group 1 Common Circuit Short to Battery DTC B3920 02 Driver Seat Motors Group 1 Common Circuit Short to Ground DTC B3920 42 Driver Seat Motors Group 1 Common Circuit Calibration Not Programmed DTC B3920 0B Driver Seat Motors Group 1 Common Circuit High Current

POWER STEERING SYSTEM - DIAGNOSTIC TROUBLE CODES

POWER STEERING SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC C005B</u>	DTC C005B 00 Power Steering Softstops Learn
<u>DTC C0176</u>	DTC C0176 54 Control Module Temperature Sensor High Temperature
<u>DTC C044A</u>	DTC C044A 71 Steering System Engine Speed Signal Circuit Invalid Data
<u>DTC C0456</u>	DTC C0456 4B Steering Position Sensor Calibration not Learned

<u>DTC C0475</u>	DTC C0475 00 Electric Steering Motor Circuit Malfunction DTC C0475 59 Electric Steering Motor Circuit Protection Time-Out
<u>DTC C047A</u>	DTC C047A Electric Steering Motor Position Sensor Circuit
<u>DTC C0544</u>	DTC C0544 5A Steering Wheel Angle Sensor Signal Not Plausible
<u>DTC C0545</u>	DTC C0545 00 Steering Wheel Torque Sensor Malfunction. DTC C0545 3A Steering Wheel Torque Sensor Incorrect Component Installed.
<u>DTC C055C</u>	DTC C055C 00 Steering Gear Performance Malfunction DTC C055C 64 Steering Gear Performance Slip Detected
<u>DTC C0565</u>	DTC C0565 5A Vehicle Identification Number Not Plausible
<u>DTC C0569</u>	DTC C0569 3A System Configuration Incorrect Component Installed

SEAT BELT SYSTEM - DIAGNOSTIC TROUBLE CODES

SEAT BELT SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B0072 or B0073</u>	DTC B0072 Driver Seat Belt Switch Circuit DTC B0073 Passenger Seat Belt Switch Circuit
<u>DTC B059A</u>	DTC B059A 01 Passenger Seat Belt Indicator Circuit Short to Battery DTC B059A 02 Passenger Seat Belt Indicator Circuit Short to Ground DTC B059A 04 Passenger Seat Belt Indicator Circuit Open

SEAT HEATING SYSTEM AND SEAT COOLING SYSTEM - DIAGNOSTIC TROUBLE CODES

SEAT HEATING SYSTEM AND SEAT COOLING SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B1925 or B2170 (With Memory A45)</u>	DTC B1925 02 Driver Seat Cushion Heater Sensor Circuit Short to Ground DTC B1925 05 Driver Seat Cushion Heater Sensor Circuit High Voltage/Open DTC B2170 02 Passenger Seat Cushion Heater Sensor Circuit Short to Ground DTC B2170 05 Passenger Seat Cushion Heater Sensor Circuit High Voltage/Open
<u>DTC B1925 or B2170 (Without Memory A45)</u>	DTC B1925 02 Driver Seat Cushion Heater Sensor Circuit Short to Ground DTC B1925 05 Driver Seat Cushion Heater Sensor Circuit High Voltage/Open DTC B2170 02 Passenger Seat Cushion Heater Sensor Circuit Short to Ground DTC B2170 05 Passenger Seat Cushion Heater Sensor Circuit High Voltage/Open
<u>DTC B2345 (With Memory A45)</u>	DTC B2345 13 Seat Heater Disable Circuit Low Voltage High/Temperature
<u>DTC B2345 (Without</u>	DTC B2345 13 Seat Heater Disable Circuit Low Voltage/High

<u>Memory A45)</u>	Temperature
<u>DTC B2425 or B2430</u> <u>(With Memory A45)</u>	DTC B2425 0B Driver Seat Cushion Heater Circuit High Current DTC B2425 0D Driver Seat Cushion Heater Circuit High Resistance DTC B2425 0E Driver Seat Cushion Heater Circuit Low Resistance DTC B2430 0B Passenger Seat Cushion Heater Circuit High Current DTC B2430 0D Passenger Seat Cushion Heater Circuit High Resistance DTC B2430 0E Passenger Seat Cushion Heater Circuit Low Resistance
<u>DTC B2425 or B2430</u> <u>(Without Memory A45)</u>	DTC B2425 0B Driver Seat Cushion Heater Circuit High Current DTC B2425 0D Driver Seat Cushion Heater Circuit High Resistance DTC B2425 0E Driver Seat Cushion Heater Circuit Low Resistance DTC B2430 0B Passenger Seat Cushion Heater Circuit High Current DTC B2430 0D Passenger Seat Cushion Heater Circuit High Resistance DTC B2430 0E Passenger Seat Cushion Heater Circuit Low Resistance
<u>DTC B242A (With</u> <u>Memory A45)</u>	DTC B242A 01 Seat Heaters Common Circuit Short to Battery DTC B242A 02 Seat Heaters Common Circuit Short to Ground
<u>DTC B242A (Without</u> <u>Memory A45)</u>	DTC B242A 01 Seat Heaters Common Circuit Short to Battery DTC B242A 02 Seat Heaters Common Circuit Short to Ground

SECONDARY AND CONFIGURABLE CUSTOMER CONTROL SYSTEM - DIAGNOSTIC TROUBLE CODES

SECONDARY AND CONFIGURABLE CUSTOMER CONTROL SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B1405</u>	DTC B1405 03 Control Module Voltage Reference Output 2 Circuit Low Voltage DTC B1405 07 Control Module Voltage Reference Output 2 Circuit High Voltage
<u>DTC B1529</u>	DTC B1529 03 Control Module Voltage Reference Output 5 Circuit Low Voltage DTC B1529 07 Control Module Voltage Reference Output 5 Circuit High Voltage
<u>DTC B3622</u>	DTC B3622 07 Steering Wheel Controls Signal Circuit High Voltage

SHIFT LOCK CONTROL SYSTEM - DIAGNOSTIC TROUBLE CODES

SHIFT LOCK CONTROL SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B270A</u>	DTC B270A 01 Park Lock Solenoid Control Circuit Short to Battery DTC B270A 02 Park Lock Solenoid Control Circuit Short to Ground DTC B270A 04 Park Lock Solenoid Control Circuit Open

SUNROOF SYSTEM - DIAGNOSTIC TROUBLE CODES

SUNROOF SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B3664</u>	DTC B3664 02 Sunroof Position Select Switch High Signal Circuit Short to Ground DTC B3664 05 Sunroof Position Select Switch High Signal Circuit High Voltage/Open DTC B3664 59 Sunroof Position Select Switch High Signal Circuit Protection Time-Out
<u>DTC B3697</u>	DTC B3697 Sunroof Actuator Malfunction
<u>DTC B369C</u>	DTC B369C 02 Sunroof Tilt Position Select Switch Circuit Short to Ground DTC B369C 05 Sunroof Tilt Position Select Switch Circuit High Voltage/Open DTC B369C 59 Sunroof Tilt Position Select Switch Circuit Protection Time-Out

SUPPLEMENTAL INFLATABLE RESTRAINT SYSTEM - DIAGNOSTIC TROUBLE CODES

SUPPLEMENTAL INFLATABLE RESTRAINT SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B0012 or B0013</u>	DTC B0012 Driver Steering Wheel Air Bag Deployment Loop Stage 1 DTC B0013 Driver Steering Wheel Air Bag Deployment Loop Stage 2
<u>DTC B0014, B0021, B0031, or B0038</u>	DTC B0014 01 Driver Seat Side Air Bag Deployment Loop Short to Battery DTC B0014 02 Driver Seat Side Air Bag Deployment Loop Short to Ground DTC B0014 04 Driver Seat Side Air Bag Deployment Loop Open DTC B0014 0D Driver Seat Side Air Bag Deployment Loop High Resistance DTC B0014 0E Driver Seat Side Air Bag Deployment Loop Low Resistance DTC B0021 01 Passenger Seat Side Air Bag Deployment Loop Short to Battery DTC B0021 02 Passenger Seat Side Air Bag Deployment Loop Short to Ground DTC B0021 04 Passenger Seat Side Air Bag Deployment Loop Open DTC B0021 0D Passenger Seat Side Air Bag Deployment Loop High Resistance DTC B0021 0E Passenger Seat Side Air Bag Deployment Loop Low Resistance DTC B0031 01 Left Rear Seat Side Air Bag Deployment Loop Short to Battery DTC B0031 02 Left Rear Seat Side Air Bag Deployment Loop Short to Ground DTC B0031 04 Left Rear Seat Side Air Bag Deployment Loop Open DTC B0031 0D Left Rear Seat Side Air Bag Deployment Loop High

	Resistance DTC B0031 0E Left Rear Seat Side Air Bag Deployment Loop Low Resistance DTC B0038 01 Right Rear Seat Side Air Bag Deployment Loop Short to Battery DTC B0038 02 Right Rear Seat Side Air Bag Deployment Loop Short to Ground DTC B0038 04 Right Rear Seat Side Air Bag Deployment Loop Open DTC B0038 0D Right Rear Seat Side Air Bag Deployment Loop High Resistance DTC B0038 0E Right Rear Seat Side Air Bag Deployment Loop Low Resistance
<u>DTC B0015, B001A, B001B, or B0022</u>	DTC B0015 Driver Seat Belt Retractor Pretensioner Deployment Loop DTC B001A Driver Seat Belt Anchor Pretensioner Deployment Loop DTC B001B Passenger Seat Belt Anchor Pretensioner Deployment Loop DTC B0022 Passenger Seat Belt Retractor Pretensioner Deployment Loop
<u>DTC B0016, B0018, B0023, or B0025</u>	DTC B0016 01 Left Roof Rail Air Bag Deployment Loop Short to Battery DTC B0016 02 Left Roof Rail Air Bag Deployment Loop Short to Ground DTC B0016 04 Left Roof Rail Air Bag Deployment Loop Open DTC B0016 0D Left Roof Rail Air Bag Deployment Loop High Resistance DTC B0016 0E Left Roof Rail Air Bag Deployment Loop Low Resistance DTC B0023 01 Right Roof Rail Air Bag Deployment Loop Short to Battery DTC B0023 02 Right Roof Rail Air Bag Deployment Loop Short to Ground DTC B0023 04 Right Roof Rail Air Bag Deployment Loop Open DTC B0023 0D Right Roof Rail Air Bag Deployment Loop High Resistance DTC B0023 0E Right Roof Rail Air Bag Deployment Loop Low Resistance
<u>DTC B0017 or B0024</u>	DTC B0017 01 Driver Knee Air Bag Deployment Loop Short to Battery DTC B0017 02 Driver Knee Air Bag Deployment Loop Short to Ground DTC B0017 04 Driver Knee Air Bag Deployment Loop Open DTC B0017 0D Driver Knee Air Bag Deployment Loop High Resistance DTC B0017 0E Driver Knee Air Bag Deployment Loop Low Resistance DTC B0024 01 Passenger Knee Air Bag Deployment Loop Short to Battery DTC B0024 02 Passenger Knee Air Bag Deployment Loop Short to Battery DTC B0024 04 Passenger Knee Air Bag Deployment Loop Open DTC B0024 0D Passenger Knee Air Bag Deployment Loop High

	Resistance DTC B0024 0E Passenger Knee Air Bag Deployment Loop Low Resistance
<u>DTC B0019 or B0020</u>	DTC B0019 Passenger Instrument Panel Air Bag Deployment Loop Stage 1 DTC B0020 Passenger Instrument Panel Air Bag Deployment Loop Stage 2
<u>DTC B0052</u>	DTC B0052 00 Deployment Commanded DTC B0052 56 Deployment Commanded Too Many Transitions
<u>DTC B0074</u>	DTC B0074 00 Passenger Presence Sensor Circuit Malfunction DTC B0074 0D Passenger Presence Sensor Resistance Above Threshold DTC B0074 0E Passenger Presence Sensor Resistance Below Threshold DTC B0074 0F Passenger Presence Sensor Erratic (Wet Seat)
<u>DTC B0081 (Inflatable Restraint Sensing and Diagnostic Module)</u>	DTC B0081 00 Passenger Presence Module Malfunction DTC B0081 3A Passenger Presence Module Incorrect Component Installed DTC B0081 71 Passenger Presence Module Invalid Data
<u>DTC B0081 (Passenger Presence System)</u>	DTC B0081 11 Passenger Presence Module High Input DTC B0081 4B Passenger Presence Module Calibration Not Learned DTC B0081 5A Passenger Presence Module Not Plausible
<u>DTC B0083-B0088</u>	DTC B0083 01 Left Front Impact Sensor Short to Battery DTC B0083 02 Left Front Impact Sensor Short to Ground DTC B0083 04 Left Front Impact Sensor Open DTC B0083 39 Left Front Impact Sensor Internal Malfunction DTC B0083 3A Left Front Impact Sensor Incorrect Component Installed DTC B0083 71 Left Front Impact Sensor Invalid Data DTC B0084 01 Right Front Impact Sensor Short to Battery DTC B0084 02 Right Front Impact Sensor Short to Ground DTC B0084 04 Right Front Impact Sensor Open DTC B0084 39 Right Front Impact Sensor Internal Malfunction DTC B0084 3A Right Front Impact Sensor Incorrect Component Installed DTC B0084 71 Right Front Impact Sensor Invalid Data DTC B0085 01 Left Front Side Impact Sensor Short to Battery DTC B0085 02 Left Front Side Impact Sensor Short to Ground DTC B0085 04 Left Front Side Impact Sensor Open DTC B0085 39 Left Front Side Impact Sensor Internal Malfunction DTC B0085 3A Left Front Side Impact Sensor Incorrect Component Installed DTC B0085 71 Left Front Side Impact Sensor Invalid Data DTC B0086 01 Right Front Side Impact Sensor Short to Battery DTC B0086 02 Right Front Side Impact Sensor Short to Ground DTC B0086 04 Right Front side Impact Sensor Open DTC B0086 39 Right Front Side Impact Sensor Internal Malfunction DTC B0086 3A Right Front Side Impact Sensor Incorrect Component Installed DTC B0086 71 Right Front Side Impact Sensor Invalid Data

	DTC B0087 01 Left Rear Side Impact Sensor Short to Battery DTC B0087 02 Left Rear Side Impact Sensor Short to Ground DTC B0087 04 Left Rear Side Impact Sensor Open DTC B0087 39 Left Rear Side Impact Sensor Internal Malfunction DTC B0087 3A Left Rear Side Impact Sensor Incorrect Component Installed DTC B0087 71 Left Rear Side Impact Sensor Invalid Data DTC B0088 01 Right Rear Side Impact Sensor Short to Battery DTC B0088 02 Right Rear Side Impact Sensor Short to Ground DTC B0088 04 Right Rear Side Impact Sensor Open DTC B0088 39 Right Rear Side Impact Sensor Internal Malfunction DTC B0088 3A Right Rear Side Impact Sensor Incorrect Component Installed DTC B0088 71 Right Rear Side Impact Sensor Invalid Data
<u>DTC B0092 or B0093</u>	DTC B0092 01 Left Center Side Impact Sensor Short to Battery DTC B0092 02 Left Center Side Impact Sensor Short to Ground DTC B0092 04 Left Center Side Impact Sensor Open DTC B0092 39 Left Center Side Impact Sensor Internal Malfunction DTC B0092 3A Left Center Side Impact Sensor Incorrect Component Installed DTC B0092 71 Left Center Side Impact Sensor Invalid Data DTC B0093 01 Right Center Side Impact Sensor Short to Battery DTC B0093 02 Right Center Side Impact Sensor Short to Ground DTC B0093 04 Right Center Side Impact Sensor Open DTC B0093 39 Right Center Side Impact Sensor Internal Malfunction DTC B0093 3A Right Center Side Impact Sensor Incorrect Component Installed DTC B0093 71 Right Center Side Impact Sensor Invalid Data
<u>DTC B1001</u>	DTC B1001 00 Option Configuration
<u>DTC B1019</u>	DTC B1019 00 System Configuration Error

TIRE PRESSURE MONITORING SYSTEM - DIAGNOSTIC TROUBLE CODES

TIRE PRESSURE MONITORING SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC C0569</u>	DTC C0569 00 System Configuration Malfunction
<u>DTC C0750, C0755, C0760, or C0765</u>	DTC C0750 03 Left Front Tire Pressure Sensor Low Voltage DTC C0750 29 Left Front Tire Pressure Sensor Too Few Pulses DTC C0750 39 Left Front Tire Pressure Sensor Internal Malfunction DTC C0755 03 Right Front Tire Pressure Sensor Low Voltage DTC C0755 29 Right Front Tire Pressure Sensor Too Few Pulses DTC C0755 39 Right Front Tire Pressure Sensor Internal Malfunction DTC C0760 03 Left Rear Tire Pressure Sensor Low Voltage DTC C0760 29 Left Rear Tire Pressure Sensor Too Few Pulses DTC C0760 39 Left Rear Tire Pressure Sensor Internal Malfunction DTC C0765 03 Right Rear Tire Pressure Sensor Low Voltage

	DTC C0765 29 Right Rear Tire Pressure Sensor Too Few Pulses DTC C0765 39 Right Rear Tire Pressure Sensor Internal Malfunction
<u>DTC C0775</u>	DTC C0775 00 Tire Pressure Monitoring System Sensors Malfunction

WIPER SYSTEM AND WASHER SYSTEM - DIAGNOSTIC TROUBLE CODES

WIPER SYSTEM AND WASHER SYSTEM - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B3715 or B3875</u>	DTC B3715 01 Windshield Wiper Relay Circuit Short to Battery DTC B3715 02 Windshield Wiper Relay Circuit Short to Ground DTC B3715 04 Windshield Wiper Relay Circuit Open DTC B3875 01 Windshield Wiper High Speed Relay Circuit Short to Battery DTC B3875 02 Windshield Wiper High Speed Relay Circuit Short to Ground DTC B3875 04 Windshield Wiper High Speed Relay Circuit Open
<u>DTC B3873</u>	DTC B3873 01 Front Washer Relay Circuit Short to Battery DTC B3873 02 Front Washer Relay Circuit Short to Ground DTC B3873 04 Front Washer Relay Circuit Open Circuit

WIRING SYSTEMS AND POWER MANAGEMENT - DIAGNOSTIC TROUBLE CODES

WIRING SYSTEMS AND POWER MANAGEMENT - DIAGNOSTIC CODE INDEX

DTC	Description
<u>DTC B097B</u>	DTC B097B Power Mode Start Switch Circuit
<u>DTC B1445</u>	DTC B1445 Control Module Voltage Output Circuit
<u>DTC B144B</u>	DTC B144B 01 Run/Crank Power Relay Circuit Short to Battery DTC B144B 02 Run/Crank Power Relay Circuit Short to Ground DTC B144B 04 Run/Crank Power Relay Circuit Open
<u>DTC B1451</u>	DTC B1451 Accessory Power Circuit
<u>DTC P2534 or P2535</u>	DTC P2534 Ignition On/Start Switch Circuit Low Voltage DTC P2535 Ignition On/Start Switch Circuit High Voltage
<u>DTC P2537</u>	DTC P2537 Ignition Accessory Switch Circuit Low Voltage