

DTC INDEX

Sienna

AUTOMATIC TRANSMISSION / TRANSAXLE DTCS

AUTOMATIC TRANSAXLE SYSTEM (U660E)

AUTOMATIC TRANSAXLE SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>P0500</u>	Vehicle Speed Sensor "A"
<u>P0560</u>	System Voltage
<u>P0617</u>	Starter Relay Circuit High
<u>P062F</u>	Internal Control Module EEPROM Error
<u>P0705</u>	Transmission Range Sensor Circuit Malfunction (PRNDL Input)
<u>P0711</u>	Transmission Fluid Temperature Sensor "A" Performance
<u>P0712</u>	Transmission Fluid Temperature Sensor "A" Circuit Low Input
<u>P0713</u>	Transmission Fluid Temperature Sensor "A" Circuit High Input
<u>P0715</u>	Input / Turbine Speed Sensor Circuit Malfunction
<u>P0717</u>	Input Speed Sensor Circuit No Signal
<u>P0724</u>	Brake Switch "B" Circuit High
<u>P0741</u>	Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve SL)
<u>P0746</u>	Pressure Control Solenoid "A" Performance (Shift Solenoid Valve SL1)
<u>P0748</u>	Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1)
<u>P0776</u>	Pressure Control Solenoid "B" Performance (Shift Solenoid Valve SL2)
<u>P0778</u>	Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2)
<u>P0791</u>	Intermediate Shaft Speed Sensor "A" Circuit
<u>P0793</u>	Intermediate Shaft Speed Sensor "A"
<u>P0796</u>	Pressure Control Solenoid "C" Performance (Shift Solenoid Valve SL3)
<u>P0798</u>	Pressure Control Solenoid "C" Electrical (Shift Solenoid Valve SL3)
<u>P0989</u>	Transmission Fluid Pressure Sensor / Switch "E" Circuit Low
<u>P0990</u>	Transmission Fluid Pressure Sensor / Switch "E" Circuit High
<u>P2714</u>	Pressure Control Solenoid "D" Performance (Shift Solenoid Valve SLT)
<u>P2716</u>	Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT)
<u>P2757</u>	Torque Converter Clutch Pressure Control Solenoid Performance (Shift Solenoid Valve SLU)
<u>P2759</u>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical (Shift Solenoid Valve SLU)
<u>P2769</u>	Short in Torque Converter Clutch Solenoid Circuit (Shift Solenoid Valve SL)
<u>P2770</u>	Open in Torque Converter Clutch Solenoid Circuit (Shift Solenoid Valve SL)
<u>P2808</u>	Pressure Control Solenoid "G" Performance (Shift Solenoid Valve SL4)
<u>P2810</u>	Pressure Control Solenoid "G" Electrical (Shift Solenoid Valve SL4)

U0100	Lost Communication with ECM / PCM "A"
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AUTOMATIC TRANSAXLE SYSTEM (U660F)

AUTOMATIC TRANSAXLE SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
P0500	Vehicle Speed Sensor "A"
P0560	System Voltage
P0617	Starter Relay Circuit High
P062F	Internal Control Module EEPROM Error
P0705	Transmission Range Sensor Circuit Malfunction (PRNDL Input)
P0711	Transmission Fluid Temperature Sensor "A" Performance
P0712	Transmission Fluid Temperature Sensor "A" Circuit Low Input
P0713	Transmission Fluid Temperature Sensor "A" Circuit High Input
P0715	Input / Turbine Speed Sensor Circuit Malfunction
P0717	Input Speed Sensor Circuit No Signal
P0724	Brake Switch "B" Circuit High
P0741	Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve SL)
P0746	Pressure Control Solenoid "A" Performance (Shift Solenoid Valve SL1)
P0748	Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1)
P0776	Pressure Control Solenoid "B" Performance (Shift Solenoid Valve SL2)
P0778	Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2)
P0791	Intermediate Shaft Speed Sensor "A" Circuit
P0793	Intermediate Shaft Speed Sensor "A"
P0796	Pressure Control Solenoid "C" Performance (Shift Solenoid Valve SL3)
P0798	Pressure Control Solenoid "C" Electrical (Shift Solenoid Valve SL3)
P0989	Transmission Fluid Pressure Sensor / Switch "E" Circuit Low
P0990	Transmission Fluid Pressure Sensor / Switch "E" Circuit High
P2714	Pressure Control Solenoid "D" Performance (Shift Solenoid Valve SLT)
P2716	Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT)
P2757	Torque Converter Clutch Pressure Control Solenoid Performance (Shift Solenoid Valve SLU)
P2759	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical (Shift Solenoid Valve SLU)
P2769	Short in Torque Converter Clutch Solenoid Circuit (Shift Solenoid Valve SL)
P2770	Open in Torque Converter Clutch Solenoid Circuit (Shift Solenoid Valve SL)
P2808	Pressure Control Solenoid "G" Performance (Shift Solenoid Valve SL4)
P2810	Pressure Control Solenoid "G" Electrical (Shift Solenoid Valve SL4)
U0100	Lost Communication with ECM / PCM "A"

AUTOMATIC TRANSAXLE SYSTEM (U760E)

AUTOMATIC TRANSAXLE SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>P0500</u>	Vehicle Speed Sensor "A"
<u>P0560</u>	System Voltage
<u>P0617</u>	Starter Relay Circuit High
<u>P062F</u>	Internal Control Module EEPROM Error
<u>P0705</u>	Transmission Range Sensor Circuit Malfunction (PRNDL Input)
<u>P0711</u>	Transmission Fluid Temperature Sensor "A" Performance
<u>P0712</u>	Transmission Fluid Temperature Sensor "A" Circuit Low Input
<u>P0713</u>	Transmission Fluid Temperature Sensor "A" Circuit High Input
<u>P0715</u>	Input / Turbine Speed Sensor Circuit Malfunction
<u>P0717</u>	Input Speed Sensor Circuit No Signal
<u>P0724</u>	Brake Switch "B" Circuit High
<u>P0741</u>	Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve SL)
<u>P0746</u>	Pressure Control Solenoid "A" Performance (Shift Solenoid Valve SL1)
<u>P0748</u>	Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1)
<u>P0776</u>	Pressure Control Solenoid "B" Performance (Shift Solenoid Valve SL2)
<u>P0778</u>	Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2)
<u>P0791</u>	Intermediate Shaft Speed Sensor "A" Circuit
<u>P0793</u>	Intermediate Shaft Speed Sensor "A"
<u>P0796</u>	Pressure Control Solenoid "C" Performance (Shift Solenoid Valve SL3)
<u>P0798</u>	Pressure Control Solenoid "C" Electrical (Shift Solenoid Valve SL3)
<u>P2714</u>	Pressure Control Solenoid "D" Performance (Shift Solenoid Valve SLT)
<u>P2716</u>	Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT)
<u>P2757</u>	Torque Converter Clutch Pressure Control Solenoid Performance (Shift Solenoid Valve SLU)
<u>P2759</u>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical (Shift Solenoid Valve SLU)
<u>P2769</u>	Short in Torque Converter Clutch Solenoid Circuit (Shift Solenoid Valve SL)
<u>P2770</u>	Open in Torque Converter Clutch Solenoid Circuit (Shift Solenoid Valve SL)
<u>P2808</u>	Pressure Control Solenoid "G" Performance (Shift Solenoid Valve SL4)
<u>P2810</u>	Pressure Control Solenoid "G" Electrical (Shift Solenoid Valve SL4)
<u>U0100</u>	Lost Communication with ECM / PCM "A"

BRAKE CONTROL / DYNAMIC CONTROL SYSTEMS DTCS**VEHICLE STABILITY CONTROL SYSTEM****DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION**

DTC Code	Description
<u>C0226</u>	SFR Solenoid Circuit
<u>C0236</u>	SFL Solenoid Circuit

<u>C0246</u>	SRR Solenoid Circuit
<u>C0256</u>	SRL Solenoid Circuit
<u>C0273</u>	Open in ABS Motor Relay Circuit
<u>C0274</u>	Short in ABS Motor Relay Circuit
<u>C0278</u>	Open in ABS Solenoid Relay Circuit
<u>C0279</u>	Short in ABS Solenoid Relay Circuit
<u>C1203</u>	ECM Communication Circuit Malfunction
<u>C1210</u>	Zero Point Calibration of Yaw Rate Sensor Undone
<u>C1225</u>	SM Solenoid Circuit
<u>C1232</u>	Acceleration Sensor Stuck Malfunction
<u>C1240</u>	Yaw Rate Sensor Discrimination
<u>C1241</u>	Low Power Supply Voltage Malfunction
<u>C1243</u>	Acceleration Sensor Stuck Malfunction
<u>C1245</u>	Acceleration Sensor Output Malfunction
<u>C1290</u>	Steering Angle Sensor Zero Point Malfunction
<u>C1336</u>	Zero Point Calibration of Acceleration Sensor Undone
<u>C1361</u>	Short in ABS Motor Fail Safe Relay Circuit
<u>C1380</u>	Stop Light Control Relay Malfunction
<u>C1381</u>	Acceleration Sensor Power Supply Voltage Malfunction
<u>C1401</u>	Front Speed Sensor RH Malfunction
<u>C1402</u>	Front Speed Sensor LH Malfunction
<u>C1403</u>	Rear Speed Sensor RH Malfunction
<u>C1404</u>	Rear Speed Sensor LH Malfunction
<u>C1405</u>	Open or Short in Front Speed Sensor RH Circuit
<u>C1406</u>	Open or Short in Front Speed Sensor LH Circuit
<u>C1407</u>	Open or Short in Rear Speed Sensor RH Circuit
<u>C1408</u>	Open or Short in Rear Speed Sensor LH Circuit
<u>C1413</u>	Front Speed Sensor RH Output Malfunction
<u>C1414</u>	Front Speed Sensor LH Output Malfunction
<u>C1415</u>	Rear Speed Sensor RH Output Malfunction
<u>C1416</u>	Rear Speed Sensor LH Output Malfunction
<u>C1417</u>	High Power Supply Voltage Malfunction
<u>C1419</u>	Acceleration Sensor Internal Circuit
<u>C1420</u>	Acceleration Sensor Malfunction
<u>C1421</u>	Open or Short in Master Cylinder Pressure Sensor
<u>C1422</u>	Master Cylinder Pressure Sensor Zero Point High Malfunction
<u>C1423</u>	Master Cylinder Pressure Sensor Zero Point Low Malfunction
<u>C1424</u>	Master Cylinder Pressure Sensor Output Malfunction
<u>C1425</u>	Open in Stop Light Switch Circuit
<u>C1426</u>	Stop Light Switch OFF Stuck Malfunction
<u>C1427</u>	Motor Malfunction
<u>C1428</u>	

	Motor Circuit Malfunction
C1429	Open or Short in Brake Pedal Load Sensing Switch
C1430	Brake Pedal Load Sensing Switch OFF Stuck Malfunction
C1431	Brake Pedal Load Sensing Switch ON Stuck Malfunction
C1432	Steering Angle Sensor Power Source Voltage Malfunction
C1433	Steering Angle Sensor Internal Circuit
C1434	Steering Angle Sensor Output Malfunction
C1435	Yaw Rate Sensor Internal Circuit
C1436	Yaw Rate Sensor Malfunction
C1437	Lost Communication with ECM
C1439	Steering Angle Sensor Initialization Incomplete
C1440	Unusual Bank Angle Detected
C1441	Brake Booster Malfunction
C1442	Invalid Data Received from Acceleration Sensor
C1443	Invalid Data Received from Yaw Rate Sensor
C1445	Vehicle Driven with Steering Angle Sensor not Initialized
U0073	Control Module Communication Bus OFF
U0100	Lost Communication with ECM / PCM
U0123	Lost Communication with Yaw Rate Sensor Module
U0124	Lost Communication with Lateral Acceleration Sensor Module
U0126	Lost Communication with Steering Angle Sensor Module

TEST MODE DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
C1271	Low Output Signal of Front Speed Sensor RH (Test Mode DTC)
C1272	Low Output Signal of Front Speed Sensor LH (Test Mode DTC)
C1273	Low Output Signal of Rear Speed Sensor RH (Test Mode DTC)
C1274	Low Output Signal of Rear Speed Sensor LH (Test Mode DTC)
C1275	Abnormal Change in Output Signal of Front Speed Sensor RH (Test Mode DTC)
C1276	Abnormal Change in Output Signal of Front Speed Sensor LH (Test Mode DTC)
C1277	Abnormal Change in Output Signal of Rear Speed Sensor RH (Test Mode DTC)
C1278	Abnormal Change in Output Signal of Rear Speed Sensor LH (Test Mode DTC)
C1279	Acceleration Sensor Output Voltage Malfunction (Test Mode DTC)
C1281	Master Cylinder Pressure Sensor Output Malfunction (Test Mode DTC)

CELLULAR COMMUNICATION DTCS

SAFETY CONNECT SYSTEM

SAFETY CONNECT SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
B1570	Manual (SOS) Switch Red Indicator Malfunction

<u>B1571</u>	Manual (SOS) Switch Green Indicator Malfunction
<u>B1572</u>	Telephone Microphone Error
<u>B1573</u>	Short in Telephone Antenna Circuit
<u>B15CB</u>	Telematics Transceiver Antenna Disconnected
<u>B1583</u>	GPS Signal Unreceived
<u>B15A8</u>	Telematics Transceiver Malfunction
<u>B15C0</u>	Short in GPS Antenna
<u>B15C1</u>	Open in GPS Antenna
<u>B15C4</u>	Airbag Signal Malfunction/Not Input
<u>B15C5</u>	Manual Button Malfunction
<u>B15CC</u>	Backup Battery Failure
<u>B15EC</u>	Backup Battery Degradation

CRUISE CONTROL DTCS

CRUISE CONTROL SYSTEM

CRUISE CONTROL SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>P0500</u>	Vehicle Speed Sensor Malfunction
<u>P0503</u>	Vehicle Speed Sensor "A" Intermittent / Erratic / High
<u>P0571</u>	Brake Switch "A" Circuit
<u>P0575</u>	Cruise Control Input Circuit

DYNAMIC RADAR CRUISE CONTROL SYSTEM

DYNAMIC RADAR CRUISE CONTROL SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>P0500</u>	Vehicle Speed Sensor Malfunction
<u>P0503</u>	Vehicle Speed Sensor Circuit Malfunction
<u>P0571</u>	Stop Light Switch Circuit Malfunction
<u>P0575</u>	Cruise Control Input Circuit
<u>P1570</u>	Radar Sensor Malfunction
<u>P1572</u>	Improper Aiming of Radar Sensor Beam Axis
<u>P1575</u>	Warning Buzzer Malfunction
<u>P1578</u>	Brake System Malfunction
<u>P1615</u>	Communication Error from Distance Control ECU to ECM
<u>P1616</u>	Communication Error from ECM to Distance Control ECU
<u>P1617</u>	Distance Control ECU Malfunction
<u>P1630</u>	Communication Error from VSC to ECM
<u>P1631</u>	Communication Error from ECM to VSC

<u>U0100</u>	Lost Communication with ECM / PCM "A"
<u>U0122</u>	Lost Communication with Vehicle Dynamics Control Module
<u>U0123</u>	Lost Communication with Yaw Rate Sensor Module
<u>U0126</u>	Lost Communication with Steering Angle Sensor Module
<u>U0235</u>	Lost Communication with Cruise Control Front Distance Range Sensor
<u>U1102</u>	Lost Communication with Radar Sensor
<u>U1104</u>	Lost Communication with Driving Support ECU

DOOR / HATCH DTCS

BACK DOOR CLOSER SYSTEM

BACK DOOR CLOSER SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2250</u>	Back Door Closer Operation Malfunction
<u>B2251</u>	Back Door Closer Switch Malfunction

POWER BACK DOOR SYSTEM

POWER BACK DOOR SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2222</u>	PBD Pulse Sensor Malfunction
<u>B2225</u>	Back Door Motor Clutch Malfunction

POWER SLIDE DOOR SYSTEM

POWER SLIDE DOOR SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2223</u>	Power Slide Door Pulse Sensor Malfunction on Rear Right Door
<u>B2224</u>	Power Slide Door Pulse Sensor Malfunction on Rear Left Door

SLIDE DOOR CLOSER SYSTEM

SLIDE DOOR CLOSER SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2254</u>	Slide Door Closer Switch RH Malfunction
<u>B2255</u>	Slide Door Closer Switch LH Malfunction
<u>B225E</u>	Power Slide Door Neutral Closer Switch RH Malfunction during Close Operation
<u>B225F</u>	Power Slide Door Neutral Closer Switch LH Malfunction during Close Operation
<u>B2260</u>	Power Slide Door Neutral Closer Switch RH Malfunction during Open Operation
<u>B2261</u>	Power Slide Door Neutral Closer Switch LH Malfunction during Open Operation

DOOR LOCK DTCS

WIRELESS DOOR LOCK CONTROL SYSTEM (W/O SMART KEY SYSTEM)

WIRELESS DOOR LOCK CONTROL SYSTEM (W/O SMART KEY SYSTEM) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1242</u>	Wireless Door Lock Tuner Circuit Malfunction

WIRELESS DOOR LOCK CONTROL SYSTEM (W/ SMART KEY SYSTEM)

WIRELESS DOOR LOCK CONTROL SYSTEM (W/ SMART KEY SYSTEM) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1242</u>	Wireless Door Lock Tuner Circuit Malfunction

ENGINE CONTROL DTCS

SFI SYSTEM (1AR-FE)

SFI SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>P0010</u>	Camshaft Position "A" Actuator Circuit (Bank 1)
<u>P0011</u>	Camshaft Position "A" - Timing Over-Advanced or System Performance (Bank 1)
<u>P0012</u>	Camshaft Position "A" - Timing Over-Retarded (Bank 1)
<u>P0013</u>	Camshaft Position "B" Actuator Circuit / Open (Bank 1)
<u>P0014</u>	Camshaft Position "B" - Timing Over-Advanced or System Performance (Bank 1)
<u>P0015</u>	Camshaft Position "B" - Timing Over-Retarded (Bank 1)
<u>P0016</u>	Crankshaft Position - Camshaft Position Correlation (Bank 1 Sensor A)
<u>P0017</u>	Crankshaft Position - Camshaft Position Correlation (Bank 1 Sensor B)
<u>P0031</u>	Oxygen (A/F) Sensor Heater Control Circuit Low (Bank 1 Sensor 1)
<u>P0032</u>	Oxygen (A/F) Sensor Heater Control Circuit High (Bank 1 Sensor 1)
<u>P0037</u>	Oxygen Sensor Heater Control Circuit Low (Bank 1 Sensor 2)
<u>P0038</u>	Oxygen Sensor Heater Control Circuit High (Bank 1 Sensor 2)
<u>P0101</u>	Mass Air Flow Circuit Range / Performance Problem
<u>P0102</u>	Mass or Volume Air Flow Circuit Low Input
<u>P0103</u>	Mass or Volume Air Flow Circuit High Input
<u>P0111</u>	Intake Air Temperature Sensor Gradient Too High
<u>P0112</u>	Intake Air Temperature Circuit Low Input
<u>P0113</u>	Intake Air Temperature Circuit High Input
<u>P0115</u>	Engine Coolant Temperature Circuit Malfunction
<u>P0116</u>	Engine Coolant Temperature Circuit Range / Performance Problem

<u>P0117</u>	Engine Coolant Temperature Circuit Low Input
<u>P0118</u>	Engine Coolant Temperature Circuit High Input
<u>P011B</u>	Engine Coolant Temperature / Intake Air Temperature Correlation
<u>P0120</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit Malfunction
<u>P0121</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit Range / Performance Problem
<u>P0122</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit Low Input
<u>P0123</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit High Input
<u>P0125</u>	Insufficient Coolant Temperature for Closed Loop Fuel Control
<u>P0128</u>	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
<u>P0136</u>	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)
<u>P0137</u>	Oxygen Sensor Circuit Low Voltage (Bank 1 Sensor 2)
<u>P0138</u>	Oxygen Sensor Circuit High Voltage (Bank 1 Sensor 2)
<u>P0139</u>	Oxygen Sensor Circuit Slow Response (Bank 1 Sensor 2)
<u>P0141</u>	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)
<u>P0171</u>	System Too Lean (Bank 1)
<u>P0172</u>	System Too Rich (Bank 1)
<u>P0220</u>	Throttle / Pedal Position Sensor / Switch "B" Circuit
<u>P0222</u>	Throttle / Pedal Position Sensor / Switch "B" Circuit Low Input
<u>P0223</u>	Throttle / Pedal Position Sensor / Switch "B" Circuit High Input
<u>P0300</u>	Random / Multiple Cylinder Misfire Detected
<u>P0301</u>	Cylinder 1 Misfire Detected
<u>P0302</u>	Cylinder 2 Misfire Detected
<u>P0303</u>	Cylinder 3 Misfire Detected
<u>P0304</u>	Cylinder 4 Misfire Detected
<u>P0327</u>	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)
<u>P0328</u>	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)
<u>P0335</u>	Crankshaft Position Sensor "A" Circuit
<u>P0339</u>	Crankshaft Position Sensor "A" Circuit Intermittent
<u>P0340</u>	Camshaft Position Sensor Circuit Malfunction
<u>P0342</u>	Camshaft Position Sensor "A" Circuit Low Input (Bank 1 or Single Sensor)
<u>P0343</u>	Camshaft Position Sensor "A" Circuit High Input (Bank 1 or Single Sensor)
<u>P0351</u>	Ignition Coil "A" Primary / Secondary Circuit
<u>P0352</u>	Ignition Coil "B" Primary / Secondary Circuit
<u>P0353</u>	Ignition Coil "C" Primary / Secondary Circuit
<u>P0354</u>	Ignition Coil "D" Primary / Secondary Circuit
<u>P0365</u>	Camshaft Position Sensor "B" Circuit (Bank 1)
<u>P0367</u>	Camshaft Position Sensor "B" Circuit Low Input (Bank 1)
<u>P0368</u>	Camshaft Position Sensor "B" Circuit High Input (Bank 1)
<u>P0420</u>	Catalyst System Efficiency Below Threshold (Bank 1)
<u>P043E</u>	Evaporative Emission System Leak Detection Reference Orifice Low Flow

<u>P043F</u>	Evaporative Emission System Reference Orifice High Flow
<u>P0441</u>	Evaporative Emission Control System Incorrect Purge Flow
<u>P0451</u>	Evaporative Emission Control System Pressure Sensor Range / Performance
<u>P0452</u>	Evaporative Emission Control System Pressure Sensor / Switch Low Input
<u>P0453</u>	Evaporative Emission Control System Pressure Sensor / Switch High Input
<u>P0455</u>	Evaporative Emission Control System Leak Detected (Gross Leak)
<u>P0456</u>	Evaporative Emission Control System Leak Detected (Very Small Leak)
<u>P0500</u>	Vehicle Speed Sensor "A"
<u>P0504</u>	Brake Switch "A" / "B" Correlation
<u>P0505</u>	Idle Control System Malfunction
<u>P050A</u>	Cold Start Idle Air Control System Performance
<u>P050B</u>	Cold Start Ignition Timing Performance
<u>P0560</u>	System Voltage
<u>P0604</u>	Random Access Memory (RAM)
<u>P0606</u>	ECM / PCM Processor
<u>P0607</u>	Control Module Performance
<u>P060A</u>	Internal Control Module Monitoring Processor Performance
<u>P060B</u>	Internal Control Module A/D Processing Performance
<u>P060D</u>	Internal Control Module Accelerator Pedal Position Performance
<u>P060E</u>	Internal Control Module Throttle Position Performance
<u>P0617</u>	Starter Relay Circuit High
<u>P062F</u>	Internal Control Module EEPROM Error
<u>P0630</u>	VIN not Programmed or Mismatch - ECM / PCM
<u>P0657</u>	Actuator Supply Voltage Circuit / Open
<u>P0705</u>	Transmission Range Sensor Circuit Malfunction (PRNDL Input)
<u>P0724</u>	Brake Switch "B" Circuit High
<u>P101D</u>	A/F Sensor Heater Circuit Performance Bank 1 Sensor 1 Stuck ON
<u>P102D</u>	O2 Sensor Heater Circuit Performance Bank 1 Sensor 2 Stuck ON
<u>P1603</u>	Engine Stall History
<u>P1604</u>	Startability Malfunction
<u>P1605</u>	Rough Idling
<u>P1607</u>	Cruise Control Input Processor
<u>P2004</u>	Intake Manifold Runner Control Stuck Open (Bank 1)
<u>P2006</u>	Intake Manifold Runner Control Stuck Closed (Bank 1)
<u>P2009</u>	Intake Manifold Runner Control Circuit Low (Bank 1)
<u>P2010</u>	Intake Manifold Runner Control Circuit High (Bank 1)
<u>P2014</u>	Intake Manifold Runner Position Sensor / Switch Circuit (Bank 1)
<u>P2016</u>	Intake Manifold Runner Position Sensor / Switch Circuit Low (Bank 1)
<u>P2017</u>	Intake Manifold Runner Position Sensor / Switch Circuit High (Bank 1)
<u>P2102</u>	Throttle Actuator Control Motor Circuit Low
<u>P2103</u>	Throttle Actuator Control Motor Circuit High
<u>P2109</u>	

	Throttle / Pedal Position Sensor "A" Minimum Stop Performance
<u>P2111</u>	Throttle Actuator Control System - Stuck Open
<u>P2112</u>	Throttle Actuator Control System - Stuck Closed
<u>P2118</u>	Throttle Actuator Control Motor Current Range / Performance
<u>P2119</u>	Throttle Actuator Control Throttle Body Range / Performance
<u>P2120</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit
<u>P2121</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit Range / Performance
<u>P2122</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit Low Input
<u>P2123</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit High Input
<u>P2125</u>	Throttle / Pedal Position Sensor / Switch "E" Circuit
<u>P2127</u>	Throttle / Pedal Position Sensor / Switch "E" Circuit Low Input
<u>P2128</u>	Throttle / Pedal Position Sensor / Switch "E" Circuit High Input
<u>P2135</u>	Throttle / Pedal Position Sensor / Switch "A" / "B" Voltage Correlation
<u>P2138</u>	Throttle / Pedal Position Sensor / Switch "D" / "E" Voltage Correlation
<u>P2195</u>	Oxygen (A/F) Sensor Signal Stuck Lean (Bank 1 Sensor 1)
<u>P2196</u>	Oxygen (A/F) Sensor Signal Stuck Rich (Bank 1 Sensor 1)
<u>P2237</u>	Oxygen (A/F) Sensor Pumping Current Circuit / Open (Bank 1 Sensor 1)
<u>P2238</u>	Oxygen (A/F) Sensor Pumping Current Circuit Low (Bank 1 Sensor 1)
<u>P2239</u>	Oxygen (A/F) Sensor Pumping Current Circuit High (Bank 1 Sensor 1)
<u>P2252</u>	Oxygen (A/F) Sensor Reference Ground Circuit Low (Bank 1 Sensor 1)
<u>P2253</u>	Oxygen (A/F) Sensor Reference Ground Circuit High (Bank 1 Sensor 1)
<u>P2401</u>	Evaporative Emission Leak Detection Pump Stuck OFF
<u>P2402</u>	Evaporative Emission Leak Detection Pump Stuck ON
<u>P2419</u>	Evaporative Emission System Switching Valve Control Circuit Low
<u>P2420</u>	Evaporative Emission System Switching Valve Control Circuit High
<u>P2610</u>	ECM / PCM Internal Engine Off Timer Performance
<u>P2A00</u>	A/F Sensor Circuit Slow Response (Bank 1 Sensor 1)
<u>U0101</u>	Lost Communication with TCM

SFI SYSTEM (2AR-FE)

SFI SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>P0010</u>	Camshaft Position "A" Actuator Circuit (Bank 1)
<u>P0011</u>	Camshaft Position "A" - Timing Over-Advanced or System Performance (Bank 1)
<u>P0012</u>	Camshaft Position "A" - Timing Over-Retarded (Bank 1)
<u>P0013</u>	Camshaft Position "B" Actuator Circuit / Open (Bank 1)
<u>P0014</u>	Camshaft Position "B" - Timing Over-Advanced or System Performance (Bank 1)
<u>P0015</u>	Camshaft Position "B" - Timing Over-Retarded (Bank 1)
<u>P0016</u>	Crankshaft Position - Camshaft Position Correlation (Bank 1 Sensor A)
<u>P0017</u>	Crankshaft Position - Camshaft Position Correlation (Bank 1 Sensor B)

<u>P0018</u>	Crankshaft Position - Camshaft Position Correlation (Bank 2 Sensor A)
<u>P0019</u>	Crankshaft Position - Camshaft Position Correlation (Bank 2 Sensor B)
<u>P0020</u>	Camshaft Position "A" Actuator Circuit (Bank 2)
<u>P0021</u>	Camshaft Position "A" - Timing Over-Advanced or System Performance (Bank 2)
<u>P0022</u>	Camshaft Position "A" - Timing Over-Retarded (Bank 2)
<u>P0023</u>	Camshaft Position "B" Actuator Circuit / Open (Bank 2)
<u>P0024</u>	Camshaft Position "B" - Timing Over-Advanced or System Performance (Bank 2)
<u>P0025</u>	Camshaft Position "B" - Timing Over-Retarded (Bank 2)
<u>P0031</u>	Oxygen (A/F) Sensor Heater Control Circuit Low (Bank 1 Sensor 1)
<u>P0032</u>	Oxygen (A/F) Sensor Heater Control Circuit High (Bank 1 Sensor 1)
<u>P0037</u>	Oxygen Sensor Heater Control Circuit Low (Bank 1 Sensor 2)
<u>P0038</u>	Oxygen Sensor Heater Control Circuit High (Bank 1 Sensor 2)
<u>P0051</u>	Oxygen (A/F) Sensor Heater Control Circuit Low (Bank 2 Sensor 1)
<u>P0052</u>	Oxygen (A/F) Sensor Heater Control Circuit High (Bank 2 Sensor 1)
<u>P0057</u>	Oxygen Sensor Heater Control Circuit Low (Bank 2 Sensor 2)
<u>P0058</u>	Oxygen Sensor Heater Control Circuit High (Bank 2 Sensor 2)
<u>P0101</u>	Mass Air Flow Circuit Range / Performance Problem
<u>P0102</u>	Mass or Volume Air Flow Circuit Low Input
<u>P0103</u>	Mass or Volume Air Flow Circuit High Input
<u>P0111</u>	Intake Air Temperature Sensor 1 Circuit Range / Performance
<u>P0112</u>	Intake Air Temperature Circuit Low Input
<u>P0113</u>	Intake Air Temperature Circuit High Input
<u>P0115</u>	Engine Coolant Temperature Circuit Malfunction
<u>P0116</u>	Engine Coolant Temperature Circuit Range / Performance Problem
<u>P0117</u>	Engine Coolant Temperature Circuit Low Input
<u>P0118</u>	Engine Coolant Temperature Circuit High Input
<u>P011B</u>	Engine Coolant Temperature / Intake Air Temperature Correlation
<u>P0120</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit Malfunction
<u>P0121</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit Range / Performance Problem
<u>P0122</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit Low Input
<u>P0123</u>	Throttle / Pedal Position Sensor / Switch "A" Circuit High Input
<u>P0125</u>	Insufficient Coolant Temperature for Closed Loop Fuel Control
<u>P0128</u>	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
<u>P0136</u>	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)
<u>P0137</u>	Oxygen Sensor Circuit Low Voltage (Bank 1 Sensor 2)
<u>P0138</u>	Oxygen Sensor Circuit High Voltage (Bank 1 Sensor 2)
<u>P0139</u>	Oxygen Sensor Circuit Slow Response (Bank 1 Sensor 2)
<u>P0141</u>	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)
<u>P014C</u>	A/F Sensor Slow Response - Rich to Lean Bank 1 Sensor 1
<u>P014D</u>	A/F Sensor Slow Response - Lean to Rich Bank 1 Sensor 1

<u>P014E</u>	A/F Sensor Slow Response - Rich to Lean Bank 2 Sensor 1
<u>P014F</u>	A/F Sensor Slow Response - Lean to Rich Bank 2 Sensor 1
<u>P0156</u>	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)
<u>P0157</u>	Oxygen Sensor Circuit Low Voltage (Bank 2 Sensor 2)
<u>P0158</u>	Oxygen Sensor Circuit High Voltage (Bank 2 Sensor 2)
<u>P0159</u>	Oxygen Sensor Circuit Slow Response (Bank 2 Sensor 2)
<u>P015A</u>	A/F Sensor Delayed Response - Rich to Lean Bank 1 Sensor 1
<u>P015B</u>	A/F Sensor Delayed Response - Lean to Rich Bank 1 Sensor 1
<u>P015C</u>	A/F Sensor Delayed Response - Rich to Lean Bank 2 Sensor 1
<u>P015D</u>	A/F Sensor Delayed Response - Lean to Rich Bank 2 Sensor 1
<u>P0161</u>	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)
<u>P0171</u>	System Too Lean (Bank 1)
<u>P0172</u>	System Too Rich (Bank 1)
<u>P0174</u>	System Too Lean (Bank 2)
<u>P0175</u>	System Too Rich (Bank 2)
<u>P0220</u>	Throttle / Pedal Position Sensor / Switch "B" Circuit
<u>P0222</u>	Throttle / Pedal Position Sensor / Switch "B" Circuit Low Input
<u>P0223</u>	Throttle / Pedal Position Sensor / Switch "B" Circuit High Input
<u>P0230</u>	Fuel Pump Primary Circuit
<u>P0300</u>	Random / Multiple Cylinder Misfire Detected
<u>P0301</u>	Cylinder 1 Misfire Detected
<u>P0302</u>	Cylinder 2 Misfire Detected
<u>P0303</u>	Cylinder 3 Misfire Detected
<u>P0304</u>	Cylinder 4 Misfire Detected
<u>P0305</u>	Cylinder 5 Misfire Detected
<u>P0306</u>	Cylinder 6 Misfire Detected
<u>P0327</u>	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)
<u>P0328</u>	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)
<u>P0332</u>	Knock Sensor 2 Circuit Low Input (Bank 2)
<u>P0333</u>	Knock Sensor 2 Circuit High Input (Bank 2)
<u>P0335</u>	Crankshaft Position Sensor "A" Circuit
<u>P0339</u>	Crankshaft Position Sensor "A" Circuit Intermittent
<u>P0340</u>	Camshaft Position Sensor Circuit Malfunction
<u>P0342</u>	Camshaft Position Sensor "A" Circuit Low Input (Bank 1 or Single Sensor)
<u>P0343</u>	Camshaft Position Sensor "A" Circuit High Input (Bank 1 or Single Sensor)
<u>P0345</u>	Camshaft Position Sensor "A" Circuit (Bank 2)
<u>P0347</u>	Camshaft Position Sensor "A" Circuit Low Input (Bank 2)
<u>P0348</u>	Camshaft Position Sensor "A" Circuit High Input (Bank 2)
<u>P0351</u>	Ignition Coil "A" Primary / Secondary Circuit
<u>P0352</u>	Ignition Coil "B" Primary / Secondary Circuit
<u>P0353</u>	Ignition Coil "C" Primary / Secondary Circuit
<u>P0354</u>	

	Ignition Coil "D" Primary / Secondary Circuit
<u>P0355</u>	Ignition Coil "E" Primary / Secondary Circuit
<u>P0356</u>	Ignition Coil "F" Primary / Secondary Circuit
<u>P0365</u>	Camshaft Position Sensor "B" Circuit (Bank 1)
<u>P0367</u>	Camshaft Position Sensor "B" Circuit Low Input (Bank 1)
<u>P0368</u>	Camshaft Position Sensor "B" Circuit High Input (Bank 1)
<u>P0390</u>	Camshaft Position Sensor "B" Circuit (Bank 2)
<u>P0392</u>	Camshaft Position Sensor "B" Circuit Low Input (Bank 2)
<u>P0393</u>	Camshaft Position Sensor "B" Circuit High Input (Bank 2)
<u>P0420</u>	Catalyst System Efficiency Below Threshold (Bank 1)
<u>P0430</u>	Catalyst System Efficiency Below Threshold (Bank 2)
<u>P043E</u>	Evaporative Emission System Leak Detection Reference Orifice Low Flow
<u>P043F</u>	Evaporative Emission System Reference Orifice High Flow
<u>P0441</u>	Evaporative Emission Control System Incorrect Purge Flow
<u>P0443</u>	Evaporative Emission Control System Purge Control Valve Circuit
<u>P0451</u>	Evaporative Emission Control System Pressure Sensor Range / Performance
<u>P0452</u>	Evaporative Emission Control System Pressure Sensor / Switch Low Input
<u>P0453</u>	Evaporative Emission Control System Pressure Sensor / Switch High Input
<u>P0455</u>	Evaporative Emission Control System Leak Detected (Gross Leak)
<u>P0456</u>	Evaporative Emission Control System Leak Detected (Very Small Leak)
<u>P0500</u>	Vehicle Speed Sensor "A"
<u>P0504</u>	Brake Switch "A" / "B" Correlation
<u>P0505</u>	Idle Control System Malfunction
<u>P050A</u>	Cold Start Idle Air Control System Performance
<u>P050B</u>	Cold Start Ignition Timing Performance
<u>P0560</u>	System Voltage
<u>P0604</u>	Internal Control Module Random Access Memory (RAM) Error
<u>P0606</u>	ECM / PCM Processor
<u>P0607</u>	Control Module Performance
<u>P060A</u>	Internal Control Module Monitoring Processor Performance
<u>P060B</u>	Internal Control Module A/D Processing Performance
<u>P060D</u>	Internal Control Module Accelerator Pedal Position Performance
<u>P060E</u>	Internal Control Module Throttle Position Performance
<u>P0617</u>	Starter Relay Circuit High
<u>P062F</u>	Internal Control Module EEPROM Error
<u>P0630</u>	VIN not Programmed or Mismatch - ECM / PCM
<u>P0657</u>	Actuator Supply Voltage Circuit / Open
<u>P0705</u>	Transmission Range Sensor Circuit Malfunction (PRNDL Input)
<u>P0724</u>	Brake Switch "B" Circuit High
<u>P101D</u>	A/F Sensor Heater Circuit Performance Bank 1 Sensor 1 Stuck ON
<u>P102D</u>	O2 Sensor Heater Circuit Performance Bank 1 Sensor 2 Stuck ON
<u>P103D</u>	

	A/F Sensor Heater Circuit Performance Bank 2 Sensor 1 Stuck ON
<u>P105D</u>	O2 Sensor Heater Circuit Performance Bank 2 Sensor 2 Stuck ON
<u>P1603</u>	Engine Stall History
<u>P1604</u>	Startability Malfunction
<u>P1605</u>	Rough Idling
<u>P1607</u>	Cruise Control Input Processor
<u>P2102</u>	Throttle Actuator Control Motor Circuit Low
<u>P2103</u>	Throttle Actuator Control Motor Circuit High
<u>P2109</u>	Throttle / Pedal Position Sensor "A" Minimum Stop Performance
<u>P2111</u>	Throttle Actuator Control System - Stuck Open
<u>P2112</u>	Throttle Actuator Control System - Stuck Closed
<u>P2118</u>	Throttle Actuator Control Motor Current Range / Performance
<u>P2119</u>	Throttle Actuator Control Throttle Body Range / Performance
<u>P2120</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit
<u>P2121</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit Range / Performance
<u>P2122</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit Low Input
<u>P2123</u>	Throttle / Pedal Position Sensor / Switch "D" Circuit High Input
<u>P2125</u>	Throttle / Pedal Position Sensor / Switch "E" Circuit
<u>P2127</u>	Throttle / Pedal Position Sensor / Switch "E" Circuit Low Input
<u>P2128</u>	Throttle / Pedal Position Sensor / Switch "E" Circuit High Input
<u>P2135</u>	Throttle / Pedal Position Sensor / Switch "A" / "B" Voltage Correlation
<u>P2138</u>	Throttle / Pedal Position Sensor / Switch "D" / "E" Voltage Correlation
<u>P2195</u>	Oxygen (A/F) Sensor Signal Stuck Lean (Bank 1 Sensor 1)
<u>P2196</u>	Oxygen (A/F) Sensor Signal Stuck Rich (Bank 1 Sensor 1)
<u>P2197</u>	Oxygen (A/F) Sensor Signal Stuck Lean (Bank 2 Sensor 1)
<u>P2198</u>	Oxygen (A/F) Sensor Signal Stuck Rich (Bank 2 Sensor 1)
<u>P2237</u>	Oxygen (A/F) Sensor Pumping Current Circuit / Open (Bank 1 Sensor 1)
<u>P2238</u>	Oxygen (A/F) Sensor Pumping Current Circuit Low (Bank 1 Sensor 1)
<u>P2239</u>	Oxygen (A/F) Sensor Pumping Current Circuit High (Bank 1 Sensor 1)
<u>P2240</u>	Oxygen (A/F) Sensor Pumping Current Circuit / Open (Bank 2 Sensor 1)
<u>P2241</u>	Oxygen (A/F) Sensor Pumping Current Circuit Low (Bank 2 Sensor 1)
<u>P2242</u>	Oxygen (A/F) Sensor Pumping Current Circuit High (Bank 2 Sensor 1)
<u>P2252</u>	Oxygen (A/F) Sensor Reference Ground Circuit Low (Bank 1 Sensor 1)
<u>P2253</u>	Oxygen (A/F) Sensor Reference Ground Circuit High (Bank 1 Sensor 1)
<u>P2255</u>	Oxygen (A/F) Sensor Reference Ground Circuit Low (Bank 2 Sensor 1)
<u>P2256</u>	Oxygen (A/F) Sensor Reference Ground Circuit High (Bank 2 Sensor 1)
<u>P2401</u>	Evaporative Emission Leak Detection Pump Stuck OFF
<u>P2402</u>	Evaporative Emission Leak Detection Pump Stuck ON
<u>P2419</u>	Evaporative Emission System Switching Valve Control Circuit Low
<u>P2420</u>	Evaporative Emission System Switching Valve Control Circuit High
<u>P2610</u>	ECM / PCM Internal Engine Off Timer Performance
<u>P10101</u>	

Lost Communication with TCM

HEATING / AIR CONDITIONING DTCS

AIR CONDITIONING SYSTEM (FOR AUTOMATIC AIR CONDITIONING SYSTEM)

AIR CONDITIONING SYSTEM (FOR AUTOMATIC AIR CONDITIONING SYSTEM) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1411/11</u>	Room Temperature Sensor Circuit
<u>B1412/12</u>	Ambient Temperature Sensor Circuit
<u>B1413/13</u>	Evaporator Temperature Sensor Circuit
<u>B1417/17</u>	Rear Evaporator Temperature Sensor Circuit
<u>B1419/19</u>	Rear Room Temperature Sensor Circuit
<u>B1422/22</u>	Compressor Lock Sensor Circuit
<u>B1423/23</u>	Pressure Sensor Circuit
<u>B1441/41</u>	Air Mix Damper Control Servo Motor Circuit (Passenger Side)
<u>B1442/42</u>	Air Inlet Damper Control Servo Motor Circuit
<u>B1443/43</u>	Air Outlet Damper Control Servo Motor Circuit
<u>B1446/46</u>	Air Mix Damper Control Servo Motor Circuit (Driver Side)
<u>B1447/47</u>	Rear Air Mix Damper Control Servo Motor Circuit
<u>B1449/49</u>	Rear Air Outlet Damper Control Servo Motor Circuit
<u>B1451/51</u>	Compressor Solenoid Circuit
<u>B1479/79</u>	Flow Sensor Circuit
<u>B1497/97</u>	BUS IC Communication Malfunction
<u>B1499/99</u>	Multiplex Communication Circuit
<u>B14A2</u>	Driver Side Solar Sensor Short Circuit
<u>B14A3</u>	Front Passenger Side Solar Sensor Short Circuit

AIR CONDITIONING SYSTEM (FOR MANUAL AIR CONDITIONING SYSTEM)

AIR CONDITIONING SYSTEM (FOR MANUAL AIR CONDITIONING SYSTEM) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1412</u>	Ambient Temperature Sensor Circuit
<u>B1413</u>	Evaporator Temperature Sensor Circuit
<u>B1417</u>	Evaporator Temperature Circuit
<u>B1422</u>	Compressor Lock Sensor Circuit
<u>B1423</u>	Pressure Sensor Circuit
<u>B1441</u>	Air Mix Damper Control Servo Motor Circuit (Passenger Side)
<u>B1442</u>	Air Inlet Damper Control Servo Motor Circuit
<u>B1443</u>	Air Outlet Damper Control Servo Motor Circuit

<u>B1446</u>	Air Mix Damper Control Servo Motor Circuit (Driver Side)
<u>B1447</u>	Air Mix Damper Control Servo Motor Circuit (Rear)
<u>B1449</u>	Air Outlet Damper Control Servo Motor Circuit (Rear)
<u>B1451</u>	Compressor Solenoid Circuit
<u>B1479</u>	Flow Sensor Circuit
<u>B1497</u>	Communication Malfunction (Bus Ic)
<u>B1499</u>	Communication Malfunction (Engine and Meter ECU)

LIGHTING (EXT) DTCS

LIGHTING SYSTEM

LIGHTING SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1244</u>	Light Sensor Circuit Malfunction
<u>B124A</u>	Automatic High Beam Mirror
<u>B124B</u>	Automatic High Beam System
<u>B124C</u>	Automatic High Beam Camera
<u>B2414</u>	Steering Position Sensor Malfunction
<u>B2415</u>	Vehicle Speed Sensor Malfunction
<u>U0101</u>	Lost Communication with ECM
<u>U0126</u>	Lost Communication with Steering Angle Sensor Module
<u>U0129</u>	Lost Communication with Skid Control ECU
<u>U0142</u>	Lost Communication with Main Body ECU
<u>U0182</u>	Lost Communication with AFS ECU

METER / GAUGE / DISPLAY DTCS

METER / GAUGE SYSTEM

METER / GAUGE SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1500</u>	Fuel Sender Open Detected
<u>U0100</u>	Lost Communication with ECM / PCM "A"
<u>U0129</u>	Lost Communication with Brake System Control Module
<u>U0131</u>	Lost Communication with Power Steering Control Module
<u>U0151</u>	Lost Communication with Airbag ECU

MIRROR (EXT) DTCS

POWER MIRROR CONTROL SYSTEM (W/ MEMORY)

POWER MIRROR CONTROL SYSTEM (W/ MEMORY) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>U0142</u>	Lost Communication with Main Body ECU

NAVIGATION / MULTI INFO DISPLAY DTCS

NAVIGATION SYSTEM (FOR SD)

NAVIGATION SYSTEM (FOR SD) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1551</u>	HD Radio Tuner Malfunction
<u>B1579</u>	Voice Recognition Microphone Disconnected
<u>B158B</u>	Touch Switch Malfunction
<u>B158C</u>	SD Card Communication Malfunction
<u>B1595</u>	No Response from Rear Seat Entertainment System
<u>B15A0</u>	LAN Master Malfunction
<u>B15A5</u>	Rear Seat Entertainment System Malfunction
<u>B15AD</u>	Navigation Processor Malfunction
<u>B15B0</u>	Display Screen Malfunction
<u>B15B3</u>	Radio Tuner Malfunction
<u>B15B4</u>	CD Changer Malfunction
<u>B15B7</u>	Bluetooth Module Malfunction
<u>B15C0</u>	Short in GPS Antenna
<u>B15C1</u>	Open in GPS Antenna
<u>B15C2</u>	Speed Signal Malfunction
<u>B15C3</u>	Speaker Output Short
<u>B15D5</u>	Rear Seat Entertainment System Disconnected

NAVIGATION SYSTEM (FOR DVD WITH USB AUDIO SYSTEM)

NAVIGATION SYSTEM (FOR DVD WITH USB AUDIO SYSTEM) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1561</u>	XM Tuner Disconnected (Command Line)
<u>B159F</u>	No Response from XM Tuner
<u>B1562</u>	XM Tuner Disconnected (Burst Mode)
<u>B156B</u>	Multi-media Interface ECU Disconnected
<u>B156E</u>	No Response from Multi-media Interface ECU
<u>B1582</u>	Map Disk Reading Malfunction
<u>B1585</u>	USB Media Malfunction
<u>B1592</u>	No Response from DVD Player

<u>B15D2</u>	DVD Player Disconnected
<u>B1593</u>	No Response from Stereo Component Amplifier
<u>B15D3</u>	Stereo Component Amplifier Disconnected
<u>B1595</u>	No Response from Rear Seat Entertainment System
<u>B15D5</u>	Rear Seat Entertainment System Disconnected
<u>B15A0</u>	LAN Master Malfunction
<u>B15AD</u>	Navigation Processor Malfunction
<u>B15B3</u>	Radio Tuner Malfunction
<u>B15B7</u>	Bluetooth Module Malfunction
<u>B15A3</u>	Stereo Component Amplifier Malfunction
<u>B15A5</u>	Rear Seat Entertainment System Malfunction
<u>B15B0</u>	Display Screen Malfunction
<u>B15BA</u>	XM Tuner Malfunction
<u>B15BB</u>	Multi-media Interface ECU Malfunction
<u>B15C0</u>	Short in GPS Antenna
<u>B15C1</u>	Open in GPS Antenna
<u>B15C2</u>	Speed Signal Malfunction
<u>B15D8</u>	Monitor Disconnected
<u>B15DF</u>	USB Communication Malfunction
<u>B15E1</u>	Media Malfunction
<u>B15FE</u>	XM Tuner Antenna Disconnected
<u>B15FF</u>	XM Tuner Antenna Short

NETWORKING DTCS

CAN COMMUNICATION SYSTEM

CAN COMMUNICATION SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>U0100</u>	Lost Communication with ECM / PCM
<u>U0104</u>	Lost Communication with Driving Support ECU
<u>U0164</u>	Lost Communication with A/C ECU
<u>U0182</u>	Lost Communication with AFS ECU
<u>U0199</u>	Lost Communication with "Door Control Module A"
<u>U0200</u>	Lost Communication with "Door Control Module B"
<u>U0201</u>	Lost Communication with "Door Control Module C"
<u>U0202</u>	Lost Communication with "Door Control Module D"
<u>U0208</u>	Lost Communication with "Seat Control Module A"
<u>U1002</u>	Lost Communication with Gateway Module (Power Management2)
<u>U1002 (CAN MS BUS)</u>	Lost Communication with Gateway Module (Main body ECU)
<u>U1002 (CAN No. 2)</u>	Lost Communication with Gateway Module (Network Gateway ECU)

BUS)	
U1100	Lost Communication with Seat Belt Control ECU
U110B	Lost Communication with Parking Assist Control Module "B"
U1110	Lost Communication with Clearance Sonar Module

LIN COMMUNICATION SYSTEM

LIN COMMUNICATION SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
B1206	P/W Master Switch Communication Stop
B124D	Lost Communication with AFS LIN
B2287	LIN Communication Master Malfunction
B2321	Driver Side Door ECU Communication Stop
B2322	Front Passenger Side Door ECU Communication Stop
B2323	Rear Door RH ECU Communication Stop
B2324	Rear Door LH ECU Communication Stop
B2325	LIN Communication Bus Malfunction
B2432	Lost Communication with Automatic High Beam Sensor
B2785	Communication Malfunction between ECUs Connected by LIN
B2786	No Response from Steering Lock ECU
B278C	Lost Communication with Power Source Control

PARK ASSIST / MONITORING DTCS

INTUITIVE PARKING ASSIST SYSTEM

INTUITIVE PARKING ASSIST SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
C1AE1	Front Left Sensor Malfunction
C1AE4	Front Right Sensor Malfunction
C1AE6	Rear Left Sensor Malfunction
C1AE7	Rear Left Center Sensor Malfunction
C1AE8	Rear Right Center Sensor Malfunction
C1AE9	Rear Right Sensor Malfunction
C1AEC	Front Sensor Communication Malfunction
C1AED	Rear Sensor Communication Malfunction
C1AEF	Shift Position Information
U0101	Lost Communication with TCM
U0155	Lost Communication with Instrument Panel Cluster Control Module (Combination Meter)

PARKING ASSIST MONITOR SYSTEM

PARKING ASSIST MONITOR SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>C1611</u>	ECU Malfunction
<u>C1612</u>	IG Voltage is Low or High
<u>C1613</u>	ACC Voltage is Low or High
<u>C1621</u>	Back Camera Power Supply Failure
<u>C1622</u>	Open or Short Circuit in Back Camera Signal
<u>C1625</u>	Open or Short in Steering Angle Sensor +B
<u>C1626</u>	Steering Angle Sensor Failure
<u>C168B</u>	AVC-LAN Communication Malfunction
<u>C168C</u>	AVC-LAN Command Time Out
<u>U0073</u>	Control Module Communication Bus Off
<u>U0126</u>	Lost Communication with Steering Angle Sensor Module
<u>U0129</u>	Lost Communication with Brake System Control Module
<u>U0140</u>	Lost Communication with Main Body ECU
<u>U1110</u>	Lost Communication with Clearance Sonar Module

POWER ASSIST SYSTEMS DTCS

POWER STEERING SYSTEM

POWER STEERING SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>C1511</u>	Torque Sensor Circuit Malfunction
<u>C1512</u>	Torque Sensor Circuit Malfunction
<u>C1513</u>	Torque Sensor Circuit Malfunction
<u>C1514</u>	Torque Sensor Power Supply Abnormal
<u>C1521</u>	Motor Circuit Malfunction
<u>C1524</u>	Motor Circuit Malfunction
<u>C1528</u>	Motor Rotation Angle Sensor Malfunction
<u>C1531</u>	ECU Malfunction
<u>C1532</u>	ECU Malfunction
<u>C1533</u>	ECU Malfunction
<u>C1534</u>	ECU Malfunction
<u>C1541</u>	Vehicle Speed Signal Malfunction
<u>C1551</u>	IG Power Supply Voltage Malfunction
<u>C1552</u>	PIG Power Supply Voltage Malfunction
<u>C1554</u>	Power Supply Relay Failure
<u>C1555</u>	Motor Relay Welding Failure
<u>C1581</u>	Assist Map Number Un-Writing

<u>C1582</u>	Assist Map Number Mismatch
<u>U0100</u>	Lost Communication with ECM
<u>U0129</u>	Lost Communication with Brake System Control Module

PRE-COLLISION DTCS

PRE-COLLISION SYSTEM

PRE-COLLISION SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2000</u>	Short to B+ in Seat Belt Motor RH Circuit
<u>B2001</u>	Short to GND in Seat Belt Motor RH Circuit
<u>B2002</u>	Open in Seat Belt Motor RH Circuit
<u>B2005</u>	Short to B+ in Seat Belt Motor LH Circuit
<u>B2006</u>	Short to GND in Seat Belt Motor LH Circuit
<u>B2007</u>	Open in Seat Belt Motor LH Circuit
<u>B2015</u>	Open in Right Side Upper MOS
<u>B2016</u>	Open in Right Side Lower MOS
<u>B2020</u>	Open in Left Side Upper MOS
<u>B2021</u>	Open in Left Side Lower MOS
<u>B2025</u>	Right Side Current Detection Circuit Malfunction Hi
<u>B2026</u>	Right Side Current Detection Circuit Malfunction Lo
<u>B2027</u>	Right Side Over-Current Malfunction
<u>B2030</u>	Left Side Current Detection Circuit Malfunction Hi
<u>B2031</u>	Left Side Current Detection Circuit Malfunction Lo
<u>B2032</u>	Left Side Over-Current Malfunction
<u>B2035</u>	Power Supply Relay Adherence Malfunction
<u>B2036</u>	Power Supply Relay Malfunction Open
<u>B2040</u>	EEPROM Malfunction
<u>B2041</u>	Fall of Raised Voltage
<u>B2043</u>	Fall of B+ Voltage
<u>B2047</u>	Seat Belt Control ECU Inner Circuit Malfunction
<u>B2060</u>	ABS Malfunction
<u>B2064</u>	Vehicle Type Signal Malfunction
<u>B2074</u>	Driver Side Seat Belt Buckle Switch Circuit Malfunction
<u>B2075</u>	Passenger Side Seat Belt Buckle Switch Circuit Malfunction
<u>B2085</u>	Communication Error from Driving Support ECU to VSC ECU
<u>B2090</u>	Driving Support System Malfunction
<u>C1A01</u>	Driving Support ECU
<u>C1A02</u>	Vehicle Information Not Obtained
<u>C1A0A</u>	Front Radar Sensor Region Code Mismatch

<u>C1A10</u>	Front Radar Sensor
<u>C1A11</u>	Front Radar Sensor Incorrect Axial Gap
<u>C1A14</u>	Front Radar Sensor Beam Axis Not Adjusted
<u>C1A46</u>	Yaw Rate Sensor
<u>C1A47</u>	Steering Angle Sensor
<u>C1A4A</u>	Skid Control Buzzer Circuit
<u>C1A4B</u>	Stop Light Relay Circuit
<u>U0122</u>	Lost Communication with Vehicle Dynamics Control Module
<u>U0123</u>	Lost Communication with Yaw Rate Sensor Module
<u>U0126</u>	Lost Communication with Steering Angle Sensor Module
<u>U0140</u>	Lost Communication with Main Body ECU
<u>U0151</u>	Lost Communication with Airbag ECU
<u>U0235</u>	Lost Communication with Cruise Control Front Distance Range Sensor
<u>U1100</u>	Lost Communication with Seat Belt Control ECU
<u>U1104</u>	Lost Communication with Driving Support ECU

SEAT DTCS

FRONT POWER SEAT CONTROL SYSTEM (W/ MEMORY)

FRONT POWER SEAT CONTROL SYSTEM (W/ MEMORY) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2650</u>	Slide Sensor Malfunction
<u>B2651</u>	Reclining Sensor Malfunction
<u>B2652</u>	Front Vertical Sensor Malfunction
<u>B2653</u>	Lifter Sensor Malfunction
<u>B2658</u>	Short in Sensor with Motor Power Supply Circuit

STEERING COLUMN DTCS

STEERING LOCK SYSTEM

STEERING LOCK SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2781</u>	Open / Short in Steering Lock ECU
<u>B2782</u>	Power Source Control ECU Malfunction
<u>B2788</u>	IG2 Signal Malfunction

SUPPLEMENTAL RESTRAINT SYSTEMS DTCS

AIRBAG SYSTEM

AIRBAG SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1000/31</u>	Center Airbag Sensor Assembly Malfunction
<u>B1610/13</u>	Front Airbag Sensor RH Malfunction
<u>B1612/83</u>	Lost Communication with Front Airbag Sensor RH
<u>B1613/83</u>	Front Airbag Sensor RH Initialization Incomplete
<u>B1615/14</u>	Front Airbag Sensor LH Malfunction
<u>B1617/84</u>	Lost Communication with Front Airbag Sensor LH
<u>B1618/84</u>	Front Airbag Sensor LH Initialization Incomplete
<u>B161A/8A</u>	Lost Communication with Front Satellite Sensor Bus
<u>B1630/23</u>	Rear Airbag Sensor RH Circuit Malfunction
<u>B1632/81</u>	Lost Communication with Rear Airbag Sensor RH
<u>B1633/81</u>	Rear Airbag Sensor Assembly RH Initialization Incomplete
<u>B1635/24</u>	Rear Airbag Sensor LH Circuit Malfunction
<u>B1637/82</u>	Lost Communication with Rear Airbag Sensor LH
<u>B1638/82</u>	Rear Airbag Sensor Assembly LH Initialization Incomplete
<u>B1642/81</u>	Lost Communication with Side Satellite Sensor Bus RH
<u>B1647/82</u>	Lost Communication with Side Satellite Sensor Bus LH
<u>B1650/32</u>	Occupant Classification System Malfunction
<u>B1653/35</u>	Seat Position Airbag Sensor Circuit Malfunction
<u>B1656/38</u>	Seat Belt Buckle Switch LH Circuit Malfunction
<u>B1660/43</u>	Passenger Airbag ON/OFF Indicator Circuit Malfunction
<u>B1690/15</u>	Door Side Airbag Sensor RH Malfunction
<u>B1692/81</u>	Lost Communication with Door Side Airbag Sensor RH
<u>B1693/81</u>	Door Side Airbag Sensor RH Initialization Incomplete
<u>B1695/16</u>	Door Side Airbag Sensor LH Malfunction
<u>B1697/82</u>	Lost Communication with Door Side Airbag Sensor LH
<u>B1698/82</u>	Door Side Airbag Sensor LH Initialization Incomplete
<u>B1800/51</u>	Short in Driver Side Squib Circuit
<u>B1801/51</u>	Open in Driver Side Squib Circuit
<u>B1802/51</u>	Short to GND in Driver Side Squib Circuit
<u>B1803/51</u>	Short to B+ in Driver Side Squib Circuit
<u>B1805/52</u>	Short in Front Passenger Side Squib Circuit
<u>B1806/52</u>	Open in Front Passenger Side Squib Circuit
<u>B1807/52</u>	Short to GND in Front Passenger Side Squib Circuit
<u>B1808/52</u>	Short to B+ in Front Passenger Side Squib Circuit
<u>B1810/53</u>	Short in Driver Side Squib 2nd Step Circuit
<u>B1811/53</u>	Open in Driver Side Squib 2nd Step Circuit
<u>B1812/53</u>	Short to GND in Driver Side Squib 2nd Step Circuit
<u>B1813/53</u>	Short to B+ in Driver Side Squib 2nd Step Circuit
<u>B1815/54</u>	Short in Front Passenger Side Squib 2nd Step Circuit

<u>B1816/54</u>	Open in Front Passenger Side Squib 2nd Step Circuit
<u>B1817/54</u>	Short to GND in Front Passenger Side Squib 2nd Step Circuit
<u>B1818/54</u>	Short to B+ in Front Passenger Side Squib 2nd Step Circuit
<u>B1820/55</u>	Short in Side Squib RH Circuit
<u>B1821/55</u>	Open in Side Squib RH Circuit
<u>B1822/55</u>	Short to GND in Side Squib RH Circuit
<u>B1823/55</u>	Short to B+ in Side Squib RH Circuit
<u>B1825/56</u>	Short in Side Squib LH Circuit
<u>B1826/56</u>	Open in Side Squib LH Circuit
<u>B1827/56</u>	Short to GND in Side Squib LH Circuit
<u>B1828/56</u>	Short to B+ in Side Squib LH Circuit
<u>B1830/57</u>	Short in Curtain Shield Squib RH Circuit
<u>B1831/57</u>	Open in Curtain Shield Squib RH Circuit
<u>B1832/57</u>	Short to GND in Curtain Shield Squib RH Circuit
<u>B1833/57</u>	Short to B+ in Curtain Shield Squib RH Circuit
<u>B1835/58</u>	Short in Curtain Shield Squib LH Circuit
<u>B1836/58</u>	Open in Curtain Shield Squib LH Circuit
<u>B1837/58</u>	Short to GND in Curtain Shield Squib LH Circuit
<u>B1838/58</u>	Short to B+ in Curtain Shield Squib LH Circuit
<u>B1860/64</u>	Short in Driver Side Knee Airbag Squib Circuit
<u>B1861/64</u>	Open in Driver Side Knee Airbag Squib Circuit
<u>B1862/64</u>	Short to GND in Driver Side Knee Airbag Squib Circuit
<u>B1863/64</u>	Short to B+ in Driver Side Knee Airbag Squib Circuit
<u>B1900/73</u>	Short in Front Pretensioner Squib RH Circuit
<u>B1901/73</u>	Open in Front Pretensioner Squib RH Circuit
<u>B1902/73</u>	Short to GND in Front Pretensioner Squib RH Circuit
<u>B1903/73</u>	Short to B+ in Front Pretensioner Squib RH Circuit
<u>B1905/74</u>	Short in Front Pretensioner Squib LH Circuit
<u>B1906/74</u>	Open in Front Pretensioner Squib LH Circuit
<u>B1907/74</u>	Short to GND in Front Pretensioner Squib LH Circuit
<u>B1908/74</u>	Short to B+ in Front Pretensioner Squib LH Circuit

OCCUPANT CLASSIFICATION SYSTEM

OCCUPANT CLASSIFICATION SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B1771</u>	Passenger Side Buckle Switch Circuit Malfunction
<u>B1780</u>	Front Occupant Classification Sensor LH Circuit Malfunction
<u>B1781</u>	Front Occupant Classification Sensor RH Circuit Malfunction
<u>B1782</u>	Rear Occupant Classification Sensor LH Circuit Malfunction
<u>B1783</u>	Rear Occupant Classification Sensor RH Circuit Malfunction

<u>B1785</u>	Front Occupant Classification Sensor LH Collision Detection
<u>B1786</u>	Front Occupant Classification Sensor RH Collision Detection
<u>B1787</u>	Rear Occupant Classification Sensor LH Collision Detection
<u>B1788</u>	Rear Occupant Classification Sensor RH Collision Detection
<u>B1790</u>	Center Airbag Sensor Assembly Communication Circuit Malfunction
<u>B1793</u>	Occupant Classification Sensor Power Supply Circuit Malfunction
<u>B1794</u>	Open in Occupant Classification ECU Battery Positive Line
<u>B1795</u>	Occupant Classification ECU Malfunction
<u>B1796</u>	Sleep Operation Failure of Occupant Classification ECU

THEFT DETERRENT / KEYLESS ENTRY DTCS

ENGINE IMMOBILISER SYSTEM (W/O SMART KEY SYSTEM)

TRANSPONDER KEY ECU DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2780</u>	Push Switch / Key Unlock Warning Switch Malfunction
<u>B2784</u>	Antenna Coil Open / Short
<u>B2793</u>	Transponder Chip Malfunction
<u>B2794</u>	Unmatched Encryption Code
<u>B2795</u>	Unmatched Key Code
<u>B2796</u>	No Communication in Immobiliser System
<u>B2797</u>	Communication Malfunction No. 1
<u>B2798</u>	Communication Malfunction No. 2

ECM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2799</u>	Engine Immobiliser System Malfunction
<u>B279A</u>	Theft Deterrent System Communication Line High Fixation
<u>B279C</u>	Theft Deterrent System Presence Detection

ENGINE IMMOBILISER SYSTEM (W/ SMART KEY SYSTEM)

CERTIFICATION ECU DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2784</u>	Antenna Coil Open / Short
<u>B278A</u>	Short to GND in Immobiliser System Power Source Circuit

ECM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>B2799</u>	Engine Immobiliser System Malfunction
<u>B279A</u>	Theft Deterrent System Communication Line High Fixation

B279C	Theft Deterrent System Presence Detection
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SMART KEY SYSTEM (FOR ENTRY FUNCTION)

SMART KEY SYSTEM (FOR ENTRY FUNCTION) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
B27A1	Open in Driver Side Electrical Antenna Circuit
B27A2	Open in Front Passenger Side Electrical Antenna Circuit
B27A5	Open in Front Floor Electrical Key Oscillator Circuit
B27A6	Open in Rear Floor Electrical Key Oscillator Circuit
B27A7	Open in Inside Luggage Compartment Electrical Key Oscillator Circuit
B27A8	Open in Outside Luggage Compartment Electrical Key Antenna Circuit

SMART KEY SYSTEM (FOR START FUNCTION)

SMART KEY SYSTEM (FOR START FUNCTION) DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
B2271	Ignition Hold Monitor Malfunction
B2274	ACC Monitor Malfunction
B2277	Detecting Vehicle Submersion
B2282	Vehicle Speed Signal Malfunction
B2283	Vehicle Speed Sensor Malfunction
B2284	Brake Signal Malfunction
B2285	Steering Lock Position Signal Circuit Malfunction
B2286	Runnable Signal Malfunction
P0335	Crankshaft Position Sensor Circuit Malfunction (NE Signal)
U0100	Lost Communication with ECM / PCM

TIRE PRESSURE MONITORING DTCS

TIRE PRESSURE WARNING SYSTEM

TIRE PRESSURE WARNING SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
C2111/11	Transmitter ID1 Operation Stop
C2112/12	Transmitter ID2 Operation Stop
C2113/13	Transmitter ID3 Operation Stop
C2114/14	Transmitter ID4 Operation Stop
C2121/21	No Signal from Transmitter ID1
C2122/22	No Signal from Transmitter ID2

<u>C2123/23</u>	No Signal from Transmitter ID3
<u>C2124/24</u>	No Signal from Transmitter ID4
<u>C2126/26</u>	Transmitter ID not Received in Main Mode
<u>C2141/41</u>	Transmitter ID1 Error
<u>C2142/42</u>	Transmitter ID2 Error
<u>C2143/43</u>	Transmitter ID3 Error
<u>C2144/44</u>	Transmitter ID4 Error
<u>C2165/65</u>	Abnormal Temperature Inside ID1 Tire
<u>C2166/66</u>	Abnormal Temperature Inside ID2 Tire
<u>C2167/67</u>	Abnormal Temperature Inside ID3 Tire
<u>C2168/68</u>	Abnormal Temperature Inside ID4 Tire
<u>C2171/71</u>	Transmitter ID not Registered
<u>C2174/74</u>	Vehicle Speed Signal Malfunction
<u>C2176/76</u>	Receiver Error
<u>C2177/77</u>	Initialization not Completed
<u>C2178/78</u>	Battery Voltage Malfunction
<u>C2181/81</u>	Transmitter ID1 not Received (Test Mode DTC)
<u>C2182/82</u>	Transmitter ID2 not Received (Test Mode DTC)
<u>C2183/83</u>	Transmitter ID3 not Received (Test Mode DTC)
<u>C2184/84</u>	Transmitter ID4 not Received (Test Mode DTC)
<u>C2191/91</u>	Vehicle Speed Signal Error (Test Mode DTC)

TRANSFER CASE / 4WD / AWD DTCS

ACTIVE TORQUE CONTROL 4WD SYSTEM

ACTIVE TORQUE CONTROL 4WD SYSTEM DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION

DTC Code	Description
<u>C1241</u>	Low Power Supply Voltage Malfunction
<u>C1280</u>	Engine Circuit Malfunction
<u>C1296</u>	ABS Malfunction
<u>C1297</u>	Steering Angle Sensor
<u>C1298</u>	Linear Solenoid Circuit
<u>C1299</u>	Cancellation of 4WD Control
<u>U0073</u>	Control Module Communication Bus OFF
<u>U0100</u>	Lost Communication with ECM / PCM "A"
<u>U0126</u>	Lost Communication with Steering Angle Sensor Module
<u>U0129</u>	Lost Communication with Brake System Control Module

WINDOW / GLASS DTCS

POWER WINDOW CONTROL SYSTEM

**POWER WINDOW CONTROL SYSTEM DIAGNOSTIC TROUBLE CODE (DTC)
IDENTIFICATION**

DTC Code	Description
<u>B2311</u>	Power Window Motor Malfunction
<u>B2312</u>	Power Window Switch Malfunction
<u>B2313</u>	Glass Position Initialization Incomplete