

# Troubleshooting

## Diagnostic Trouble Code (DTC) Chart

DTC (MIL indication*)	Detection Item	Probable Cause	Page
P0106 (5)	Manifold Absolute Pressure Circuit Range/Performance Problem	<ul style="list-style-type: none"> <li>• Vacuum connection</li> <li>• MAP sensor</li> </ul>	11-65
P0107 (3)	Manifold Absolute Pressure Circuit Low Input	<ul style="list-style-type: none"> <li>• Open or short in MAP sensor circuit</li> <li>• MAP sensor</li> <li>• ECM</li> <li>• TCM</li> </ul>	11-67
P0108 (3)	Manifold Absolute Pressure Circuit High Input	<ul style="list-style-type: none"> <li>• Open in MAP sensor circuit</li> <li>• MAP sensor</li> <li>• ECM</li> </ul>	11-69
P0112 (10)	Intake Air Temperature Circuit Low Input	<ul style="list-style-type: none"> <li>• Short in IAT sensor circuit</li> <li>• IAT sensor</li> <li>• ECM</li> </ul>	11-70
P0113 (10)	Intake Air Temperature Circuit High Input	<ul style="list-style-type: none"> <li>• Open in IAT sensor circuit</li> <li>• IAT sensor</li> <li>• ECM</li> </ul>	11-71
P0116 (86)	Engine Coolant Temperature Circuit Range/Performance Problem	<ul style="list-style-type: none"> <li>• ECT sensor</li> <li>• Cooling system</li> </ul>	11-72
P0117 (6)	Engine Coolant Temperature Circuit Low Input	<ul style="list-style-type: none"> <li>• Short in ECT sensor circuit</li> <li>• ECT sensor</li> <li>• ECM</li> </ul>	11-73
P0118 (6)	Engine Coolant Temperature Circuit High Input	<ul style="list-style-type: none"> <li>• Open in ECT sensor circuit</li> <li>• ECT sensor</li> <li>• ECM</li> </ul>	11-74
P0122 (7)	Throttle Position Circuit Low Input	<ul style="list-style-type: none"> <li>• Open or short in TP sensor circuit</li> <li>• TP sensor</li> <li>• ECM</li> <li>• TCM</li> </ul>	11-75
P0123 (7)	Throttle Position Circuit High Input	<ul style="list-style-type: none"> <li>• Open in TP sensor circuit</li> <li>• TP sensor</li> <li>• ECM</li> </ul>	11-77
P0131 (2)	Rear Primary Heated Oxygen Sensor Circuit Low Voltage (Bank 1, Sensor 1)	<ul style="list-style-type: none"> <li>• Short in Rear Primary HO2S (Bank 1, Sensor1) circuit</li> <li>• Rear Primary HO2S (Bank 1, Sensor 1)</li> <li>• Fuel supply system</li> <li>• ECM</li> </ul>	11-78
P0132 (2)	Rear Primary Heated Oxygen Sensor Circuit High Voltage (Bank 1, Sensor 1)	<ul style="list-style-type: none"> <li>• Open in Rear Primary HO2S (Bank 1, Sensor 1) circuit</li> <li>• Rear Primary HO2S (Bank 1, Sensor 1)</li> <li>• ECM</li> </ul>	11-80
P0133 (62)	Rear Primary Heated Oxygen Sensor Slow Response (Bank 1, Sensor 1)	<ul style="list-style-type: none"> <li>• Rear Primary HO2S (Bank 1, Sensor1)</li> <li>• Exhaust system</li> </ul>	11-81
P0135 (42)	Rear Primary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1, Sensor 1)	<ul style="list-style-type: none"> <li>• Open or short in Rear Primary HO2S (Bank 1, Sensor 1) heater circuit</li> <li>• ECM</li> </ul>	11-85

\*: These DTCs will be indicated by the blinking of the Malfunction Indicator Lamp (MIL) with the SCS service connector connected




DTC (MIL indication)	Detection Item	Probable Cause	Page
P0137 (64)	Rear Secondary Heated Oxygen Sensor Circuit Low Voltage (Bank 1, Sensor 2)	<ul style="list-style-type: none"> <li>• Short in Rear Secondary HO2S (Bank 1, Sensor 2) circuit</li> <li>• Rear Secondary HO2S (Bank 1, Sensor 2)</li> <li>• ECM</li> </ul>	11-82
P0138 (64)	Rear Secondary Heated Oxygen Sensor Circuit High Voltage (Bank 1, Sensor 2)	<ul style="list-style-type: none"> <li>• Open in Rear Secondary HO2S (Bank 1, Sensor 2) circuit</li> <li>• Rear Secondary HO2S (Bank 1, Sensor 2)</li> <li>• ECM</li> </ul>	11-83
P0139 (64)	Rear Secondary Heated Oxygen Sensor Slow Response (Bank 1, Sensor 2)	<ul style="list-style-type: none"> <li>• Rear Secondary HO2S (Bank 1, Sensor 2)</li> </ul>	11-84
P0141 (66)	Rear Secondary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1, Sensor 2)	<ul style="list-style-type: none"> <li>• Open or short in Rear Secondary HO2S (Bank 1, Sensor 2) heater circuit</li> <li>• ECM</li> </ul>	11-85
P0151 (1)	Front Primary Heated Oxygen Sensor Circuit Low Voltage (Bank 2, Sensor 1)	<ul style="list-style-type: none"> <li>• Short in Front Primary HO2S (Bank 2, Sensor 1) circuit</li> <li>• Front Primary HO2S (Bank 2, Sensor 1)</li> <li>• Fuel supply system</li> <li>• ECM</li> </ul>	11-78
P0152 (1)	Front Primary Heated Oxygen Sensor Circuit High Voltage (Bank 2, Sensor 1)	<ul style="list-style-type: none"> <li>• Open in Front Primary HO2S (Bank 2, Sensor 1) circuit</li> <li>• Front Primary HO2S (Bank 2, Sensor 1)</li> <li>• ECM</li> </ul>	11-80
P0153 (61)	Front Primary Heated Oxygen Sensor Slow Response (Bank 2, Sensor 1)	<ul style="list-style-type: none"> <li>• Front Primary HO2S (Bank 2, Sensor 1)</li> <li>• Exhaust system</li> </ul>	11-81
P0155 (41)	Front Primary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 2, Sensor 1)	<ul style="list-style-type: none"> <li>• Open or short in Front Primary HO2S (Bank 2, Sensor 1) heater circuit</li> <li>• ECM</li> </ul>	11-85
P0157 (63)	Front Secondary Heated Oxygen Sensor Circuit Low Voltage (Bank 2, Sensor 2)	<ul style="list-style-type: none"> <li>• Short in Front Secondary HO2S (Bank 2, Sensor 2) circuit</li> <li>• Front Secondary HO2S (Bank 2, Sensor 2)</li> <li>• ECM</li> </ul>	11-82
P0158 (63)	Front Secondary Heated Oxygen Sensor Circuit High Voltage (Bank 2, Sensor 2)	<ul style="list-style-type: none"> <li>• Open in Front Secondary HO2S (Bank 2, Sensor 2) circuit</li> <li>• Front Secondary HO2S (Bank 2, Sensor 2)</li> <li>• ECM</li> </ul>	11-83
P0159 (63)	Front Secondary Heated Oxygen Sensor Slow Response (Bank 2, Sensor 2)	<ul style="list-style-type: none"> <li>• Front Secondary HO2S (Bank 2, Sensor 2)</li> </ul>	11-84
P0161 (65)	Front Secondary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 2, Sensor 2)	<ul style="list-style-type: none"> <li>• Open or short in Front Secondary HO2S (Bank 2, Sensor 2) heater circuit</li> <li>• ECM</li> </ul>	11-85
P0171 (46)	System Too Lean (Rear Bank (Bank 1))	<ul style="list-style-type: none"> <li>• Fuel supply system</li> <li>• Rear Primary HO2S (Bank 1, Sensor 1)</li> <li>• MAP sensor</li> <li>• Contaminated fuel</li> <li>• Valve clearance</li> <li>• Exhaust leakage</li> </ul>	11-87
P0172 (46)	System Too Rich (Rear Bank (Bank 1))	<ul style="list-style-type: none"> <li>• Fuel supply system</li> <li>• Rear Primary HO2S (Bank 1, sensor1)</li> <li>• MAP sensor</li> <li>• Contaminated fuel</li> <li>• Valve clearance</li> </ul>	11-87

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# Troubleshooting

## Diagnostic Trouble Code (DTC) Chart (cont'd)

DTC (MIL indication)	Detection Item	Probable Cause	Page
P0174 (45)	System Too Lean [Front Bank (Bank 2)]	<ul style="list-style-type: none"> <li>• Fuel supply system</li> <li>• Front Primary HO2S (Bank 2, Sensor 1)</li> <li>• MAP sensor</li> <li>• Contaminated fuel</li> <li>• Valve clearance</li> <li>• Exhaust leakage</li> </ul>	11-87
P0175 (45)	System Too Rich [Front Bank (Bank 2)]	<ul style="list-style-type: none"> <li>• Fuel supply system</li> <li>• Front Primary HO2S (Bank 2, Sensor 1)</li> <li>• MAP sensor</li> <li>• Contaminated fuel</li> <li>• Valve clearance</li> </ul>	11-87
P0325 (53)	Rear Knock Sensor (KS1) circuit malfunction	<ul style="list-style-type: none"> <li>• Open or short in Rear Knock Sensor (KS1) circuit</li> <li>• Rear Knock Sensor (KS1)</li> <li>• ECM</li> </ul>	11-89
P0330 (23)	Front Knock Sensor (KS2) circuit malfunction	<ul style="list-style-type: none"> <li>• Open or short in Front Knock Sensor (KS2) circuit</li> <li>• Front Knock Sensor (KS2)</li> <li>• ECM</li> </ul>	11-89
P0335 (4)	Crankshaft Position Sensor A Circuit Low Input	<ul style="list-style-type: none"> <li>• Crankshaft Position Sensor A</li> <li>• Crankshaft Position Sensor A circuit</li> <li>• ECM</li> </ul>	11-100
P0336 (4)	Crankshaft Position Sensor A Range/Performance	<ul style="list-style-type: none"> <li>• Crankshaft Position Sensor A</li> <li>(• Timing belt skipping teeth)</li> </ul>	11-100
P0401 (80)	Exhaust Gas Recirculation Insufficient Flow Detected	<ul style="list-style-type: none"> <li>• EGR valve</li> <li>• EGR line</li> </ul>	11-162
P0420 (68)	Rear Catalyst System Efficiency Below Threshold	<ul style="list-style-type: none"> <li>• Rear Three Way Catalytic converter</li> <li>• Rear Secondary HO2S</li> </ul>	11-160
P0430 (67)	Front Catalyst System Efficiency Below Threshold	<ul style="list-style-type: none"> <li>• Front Three Way Catalytic converter</li> <li>• Front Secondary HO2S</li> </ul>	11-160
P0441 (92)	Evaporative Emission Control System Incorrect Purge Flow	<ul style="list-style-type: none"> <li>• EVAP Purge Control Solenoid valve</li> <li>• EVAP Purge Control Solenoid valve circuit</li> <li>• EVAP Purge Flow Switch</li> <li>• EVAP Purge Flow Switch circuit</li> <li>• Throttle Body (purge port)</li> <li>• Tubing</li> <li>• ECM</li> </ul>	11-168
P0500 (17)	Vehicle Speed Sensor Circuit Low Input	<ul style="list-style-type: none"> <li>• Vehicle Speed Sensor</li> <li>• Vehicle Speed Sensor circuit</li> <li>• ECM</li> </ul>	11-102
P0700 P0715 P0720 P0725 P0730 P0740 P0753 P0758 (70)*	Automatic Transaxle		Section 14

\*: The  indicator light and the Malfunction Indicator Lamp (MIL) may come on simultaneously.



DTC (MIL indication)	Detection Item	Probable Cause	Page
P1107 (13)	Barometric Pressure Circuit Low Input	<ul style="list-style-type: none"> <li>• ECM (Baro sensor)</li> </ul>	11-103
P1108 (13)	Barometric Pressure Circuit High Input	<ul style="list-style-type: none"> <li>• ECM (Baro sensor)</li> </ul>	11-103
P1201 (71) P1202 (72) P1203 (73) P1204 (74) P1205 (75) P1206 (76)	Misfire — Cylinder 1 — Cylinder 2 — Cylinder 3 — Cylinder 4 — Cylinder 5 — Cylinder 6 Detected	<ul style="list-style-type: none"> <li>• Fuel injector</li> <li>• Fuel injector circuit</li> <li>• Ignition system</li> <li>• Low compression</li> <li>• Valve clearance</li> </ul>	11-90
P1241 (40)	Throttle Valve Control Motor Circuit 1 Malfunction	<ul style="list-style-type: none"> <li>• Open or short in Throttle Valve Control Motor circuit 1</li> <li>• Throttle Valve Control Motor</li> <li>• ECM</li> </ul>	11-109
P1242 (40)	Throttle Valve Control Motor Circuit 2 Malfunction	<ul style="list-style-type: none"> <li>• Open or short in Throttle Valve Control Motor circuit 2</li> <li>• Throttle Valve Control Motor</li> <li>• ECM</li> </ul>	11-109
P1243 (40)	Throttle Position Insufficient	<ul style="list-style-type: none"> <li>• Throttle Valve</li> <li>• TP sensor</li> <li>• Throttle Valve Control Motor</li> </ul>	11-111
P1244 (40)	Closed Throttle Position Insufficient	<ul style="list-style-type: none"> <li>• Throttle Valve</li> <li>• TP sensor</li> </ul>	11-111
P1246 (37)	Accelerator Position Sensor 1 Circuit Malfunction	<ul style="list-style-type: none"> <li>• Open or short in Accelerator Position sensor 1 circuit</li> <li>• Accelerator Position sensor</li> <li>• ECM</li> </ul>	11-114
P1247 (37)	Accelerator Position Sensor 2 Circuit Malfunction	<ul style="list-style-type: none"> <li>• Open or short in Accelerator Position sensor 2 circuit</li> <li>• Accelerator Position sensor</li> <li>• ECM</li> </ul>	11-114
P1248 (37)	Accelerator Position Sensor 1 and 2 Incorrect Correlation	<ul style="list-style-type: none"> <li>• Accelerator Position sensor</li> </ul>	11-114
P1259 (52)	VTEC System Malfunction [Rear Bank (Bank 1)]	<ul style="list-style-type: none"> <li>• Open or short in Rear VTEC Solenoid Valve circuit</li> <li>• Rear VTEC Solenoid Valve</li> <li>• Open or short in Rear VTEC Pressure Switch circuit</li> <li>• Rear VTEC Pressure Switch</li> <li>• ECM</li> </ul>	Section 6
P1279 (22)	VTEC System Malfunction [Front Bank (Bank 2)]	<ul style="list-style-type: none"> <li>• Open or short in Front VTEC Solenoid Valve circuit</li> <li>• Front VTEC Solenoid Valve</li> <li>• Open or short in Front VTEC Pressure Switch circuit</li> <li>• Front VTEC Pressure Switch</li> <li>• ECM</li> </ul>	Section 6

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# Troubleshooting

## Diagnostic Trouble Code (DTC) Chart (cont'd)

DTC (MIL indication)	Detection Item	Probable Cause	Page
P1300 (71 72 73 74 75 76)	Random Misfire	<ul style="list-style-type: none"> <li>• Ignition system</li> <li>• Fuel supply system</li> <li>• MAP sensor</li> <li>• EGR system</li> <li>• Contaminated fuel</li> <li>• Lack of fuel</li> </ul>	11-94
P1301 P1302 P1303 P1304 P1305 P1306 (71 72 73 74 75 76)	<ul style="list-style-type: none"> <li>— Cylinder 1</li> <li>— Cylinder 2</li> <li>— Cylinder 3</li> <li>— Cylinder 4</li> <li>— Cylinder 5</li> <li>— Cylinder 6</li> </ul> Misfire Detected	<ul style="list-style-type: none"> <li>• Ignition system</li> </ul>	11-90
P1316 (79)	Spark Plug Voltage Detection Circuit Malfunction [Front Bank (Bank 2)]	<ul style="list-style-type: none"> <li>• Open or short in Spark Plug Voltage Detection Module circuit</li> <li>• Spark Plug Voltage Detection Module</li> <li>• ECM</li> </ul>	11-96
P1317 (79)	Spark Plug Voltage Detection Circuit Malfunction [Rear Bank (Bank 1)]	<ul style="list-style-type: none"> <li>• Open or short in Spark Plug Voltage Detection Module circuit</li> <li>• Spark Plug Voltage Detection Module</li> <li>• ECM</li> </ul>	11-96
P1318 (79)	Spark Plug Voltage Detection Module Reset Circuit Malfunction [Front Bank (Bank 2)]	<ul style="list-style-type: none"> <li>• Open or short in Spark Plug Voltage Detection Module Reset circuit</li> <li>• Spark Plug Voltage Detection Module</li> <li>• ECM</li> </ul>	11-98
P1319 (79)	Spark Plug Voltage Detection Module Reset Circuit Malfunction [Rear Bank (Bank 1)]	<ul style="list-style-type: none"> <li>• Open or short in Spark Plug Voltage Detection Module Reset circuit</li> <li>• Spark Plug Voltage Detection Module</li> <li>• ECM</li> </ul>	11-98
P1336 (54)	Crankshaft Position Sensor B Range/Performance	<ul style="list-style-type: none"> <li>• Crankshaft Position Sensor B</li> <li>(• Timing belt skipping teeth)</li> </ul>	11-100
P1337 (54)	Crankshaft Position Sensor B Circuit Low Input	<ul style="list-style-type: none"> <li>• Crankshaft Position Sensor B</li> <li>• Crankshaft Position Sensor B circuit</li> <li>• ECM</li> </ul>	11-100
P1381 (9)	Cylinder Position Sensor A Intermittent Interruption	<ul style="list-style-type: none"> <li>• Cylinder Position Sensor A</li> </ul>	11-100
P1382 (9)	Cylinder Position Sensor A No Signal	<ul style="list-style-type: none"> <li>• Cylinder Position Sensor A</li> <li>• Cylinder Position Sensor A circuit</li> <li>• ECM</li> </ul>	11-100
P1386 (59)	Cylinder Position Sensor B Intermittent Interruption	<ul style="list-style-type: none"> <li>• Cylinder Position Sensor B</li> </ul>	11-100
P1387 (59)	Cylinder Position Sensor B No Signal	<ul style="list-style-type: none"> <li>• Cylinder Position Sensor B</li> <li>• Cylinder Position Sensor B circuit</li> <li>• ECM</li> </ul>	11-100
P1459 (92)	Evaporative Emission Purge Flow Switch Malfunction	<ul style="list-style-type: none"> <li>• EVAP Purge Flow Switch</li> <li>• EVAP Purge Flow Switch circuit</li> <li>• Tubing</li> <li>• ECM</li> </ul>	11-170



DTC (MIL indication)	Detection Item	Probable Cause	Page
P1491 (12)	EGR Valve Lift Insufficient Detected	<ul style="list-style-type: none"> <li>• EGR valve (with lift sensor)</li> <li>• EGR valve lift sensor circuit</li> <li>• EGR control solenoid valve</li> <li>• EGR control solenoid valve circuit</li> <li>• EGR line</li> <li>• ECM</li> </ul>	11-163
P1498 (12)	EGR Valve Lift Sensor High Voltage	<ul style="list-style-type: none"> <li>• EGR valve (with lift sensor)</li> <li>• EGR valve lift sensor circuit</li> <li>• ECM</li> </ul>	11-165
P1607 (-)	Engine Control Module Internal Circuit Failure A	<ul style="list-style-type: none"> <li>• ECM</li> </ul>	11-104
P1608 (-)	Engine Control Module Internal Circuit Failure B	<ul style="list-style-type: none"> <li>• ECM</li> </ul>	11-104
P1671 (31)	A/T FI Data Line No Signal	<ul style="list-style-type: none"> <li>• A/T FI Data Line</li> <li>• TCM</li> <li>• ECM</li> </ul>	11-105
P1672 (31)	A/T FI Data Line Failure	<ul style="list-style-type: none"> <li>• A/T FI Data Line</li> <li>• TCM</li> <li>• ECM</li> </ul>	11-105
P1676 (35)	TCS FI Data Line No Signal	<ul style="list-style-type: none"> <li>• TCS FI Data Line</li> <li>• TCS Control Unit</li> <li>• ECM</li> </ul>	Section 19
P1677 (35)	TCS FI Data Line Failure	<ul style="list-style-type: none"> <li>• TCS FI Data Line</li> <li>• TCS Control Unit</li> <li>• ECM</li> </ul>	Section 19
P1705 P1706 P1753 P1758 P1768 P1788 (70)* P1790 P1791 P1792 P1793 P1795	Automatic Transaxle	—	Section 14

\*: The  indicator light and the Malfunction Indicator Lamp (MIL) may come on simultaneously.