

Troubleshooting

Diagnostic Trouble Code (DTC) Chart

Note: Refer to page [11-48c](#) or [11-9g](#) for DTCs not listed on this chart.

DTC (MIL indication*)	Detection Item	Probable Cause	Page
P0107 (3)	Manifold Absolute Pressure Circuit Low Input	<ul style="list-style-type: none"> • Open or short in MAP sensor circuit • MAP sensor • ECM • TCM 	11-65
P0108 (3)	Manifold Absolute Pressure Circuit High Input	<ul style="list-style-type: none"> • Open in MAP sensor circuit • MAP sensor • ECM 	11-67
P0111 (10)	Intake Air Temperature Circuit Range/Performance Problem	<ul style="list-style-type: none"> • IAT sensor 	11-69
P0112 (10)	Intake Air Temperature Circuit Low Input	<ul style="list-style-type: none"> • Short in IAT sensor circuit • IAT sensor • ECM 	11-70
P0113 (10)	Intake Air Temperature Circuit High Input	<ul style="list-style-type: none"> • Open in IAT sensor circuit • IAT sensor • ECM 	11-71
P0116 (86)	Engine Coolant Temperature Circuit Range/Performance Problem	<ul style="list-style-type: none"> • ECT sensor • Cooling system 	11-72
P0117 (6)	Engine Coolant Temperature Circuit Low Input	<ul style="list-style-type: none"> • Short in ECT sensor circuit • ECT sensor • ECM 	11-73
P0118 (6)	Engine Coolant Temperature Circuit High Input	<ul style="list-style-type: none"> • Open in ECT sensor circuit • ECT sensor • ECM 	11-74
P0122 (7)	Throttle Position Circuit Low Input	<ul style="list-style-type: none"> • Open or short in TP sensor circuit • TP sensor • ECM • TCM 	11-75
P0123 (7)	Throttle Position Circuit High Input	<ul style="list-style-type: none"> • Open in TP sensor circuit • TP sensor • ECM 	11-77
P0131 (2)	Rear Primary Heated Oxygen Sensor Circuit Low Voltage (Bank 1, Sensor 1)	<ul style="list-style-type: none"> • Short in Rear Primary HO2S (Bank 1, Sensor 1) circuit • Rear Primary HO2S (Bank 1, Sensor 1) • Fuel supply system • ECM 	11-78
P0132 (2)	Rear Primary Heated Oxygen Sensor Circuit High Voltage (Bank 1, Sensor 1)	<ul style="list-style-type: none"> • Open in Rear Primary HO2S (Bank 1, Sensor 1) circuit • Rear Primary HO2S (Bank 1, Sensor 1) • ECM 	11-80
P0133 (62)	Rear Primary Heated Oxygen Sensor Slow Response (Bank 1, Sensor 1)	<ul style="list-style-type: none"> • Rear Primary HO2S (Bank 1, Sensor 1) • Exhaust system 	11-81
P0135 (42)	Rear Primary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1, Sensor 1)	<ul style="list-style-type: none"> • Open or short in Rear Primary HO2S (Bank 1, Sensor 1) heater circuit • ECM 	11-85 ('97-01) 11-32e ('02)

*: 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"> • Short in Rear Secondary HO2S (Bank 1, Sensor 2) circuit • Rear Secondary HO2S (Bank 1, Sensor 2) • ECM 	11-82
P0138 (64)	Rear Secondary Heated Oxygen Sensor Circuit High Voltage (Bank 1, Sensor 2)	<ul style="list-style-type: none"> • Open in Rear Secondary HO2S (Bank 1, Sensor 2) circuit • Rear Secondary HO2S (Bank 1, Sensor 2) • ECM 	11-83
P0139 (64)	Rear Secondary Heated Oxygen Sensor Slow Response (Bank 1, Sensor 2)	<ul style="list-style-type: none"> • Rear Secondary HO2S (Bank 1, Sensor 2) 	11-84
P0141 (66)	Rear Secondary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1, Sensor 2)	<ul style="list-style-type: none"> • Open or short in Rear Secondary HO2S (Bank 1, Sensor 2) heater circuit • ECM 	11-85 ('97-01) 11-32e ('02)
P0151 (1)	Front Primary Heated Oxygen Sensor Circuit Low Voltage (Bank 2, Sensor 1)	<ul style="list-style-type: none"> • Short in Front Primary HO2S (Bank 2, Sensor 1) circuit • Front Primary HO2S (Bank 2, Sensor 1) • Fuel supply system • ECM 	11-78
P0152 (1)	Front Primary Heated Oxygen Sensor Circuit High Voltage (Bank 2, Sensor 1)	<ul style="list-style-type: none"> • Open in Front Primary HO2S (Bank 2, Sensor 1) circuit • Front Primary HO2S (Bank 2, Sensor 1) • ECM 	11-80
P0153 (61)	Front Primary Heated Oxygen Sensor Slow Response (Bank 2, Sensor 1)	<ul style="list-style-type: none"> • Front Primary HO2S (Bank 2, Sensor 1) • Exhaust system 	11-81
P0155 (41)	Front Primary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 2, Sensor 1)	<ul style="list-style-type: none"> • Open or short in Front Primary HO2S (Bank 2, Sensor 1) heater circuit • ECM 	11-85 ('97-01) 11-32e ('02)
P0157 (63)	Front Secondary Heated Oxygen Sensor Circuit Low Voltage (Bank 2, Sensor 2)	<ul style="list-style-type: none"> • Short in Front Secondary HO2S (Bank 2, Sensor 2) circuit • Front Secondary HO2S (Bank 2, Sensor 2) • ECM 	11-82
P0158 (63)	Front Secondary Heated Oxygen Sensor Circuit High Voltage (Bank 2, Sensor 2)	<ul style="list-style-type: none"> • Open in Front Secondary HO2S (Bank 2, Sensor 2) circuit • Front Secondary HO2S (Bank 2, Sensor 2) • ECM 	11-83
P0159 (63)	Front Secondary Heated Oxygen Sensor Slow Response (Bank 2, Sensor 2)	<ul style="list-style-type: none"> • Front Secondary HO2S (Bank 2, Sensor 2) 	11-84
P0161 (65)	Front Secondary Heated Oxygen Sensor Heater Circuit Malfunction (Bank 2, Sensor 2)	<ul style="list-style-type: none"> • Open or short in Front Secondary HO2S (Bank 2, Sensor 2) heater circuit • ECM 	11-85 ('97-01) 11-32e ('02)
P0171 (46)	System Too Lean [Rear Bank (Bank 1)]	<ul style="list-style-type: none"> • Fuel supply system • Rear Primary HO2S (Bank 1, Sensor 1) • MAP sensor • Contaminated fuel • Valve clearance • Exhaust leakage 	11-87
P0172 (46)	System Too Rich [Rear Bank (Bank 1)]	<ul style="list-style-type: none"> • Fuel supply system • Rear Primary HO2S (Bank 1, Sensor 1) • MAP sensor • Contaminated fuel • Valve clearance 	11-87

(cont'd)

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"> Fuel supply system Front Primary HO2S (Bank 2, Sensor 1) MAP sensor Contaminated fuel Valve clearance Exhaust leakage 	11-87
P0175 (45)	System Too Rich [Front Bank (Bank 2)]	<ul style="list-style-type: none"> Fuel supply system Front Primary HO2S (Bank 2, Sensor 1) MAP sensor Contaminated fuel Valve clearance 	11-87
P0325 (53)	Rear Knock Sensor (KS1) circuit malfunction	<ul style="list-style-type: none"> Open or short in Rear Knock Sensor (KS1) circuit Rear Knock Sensor (KS1) ECM 	11-89
P0330 (23)	Front Knock Sensor (KS2) circuit malfunction	<ul style="list-style-type: none"> Open or short in Front Knock Sensor (KS2) circuit Front Knock Sensor (KS2) ECM 	11-89
P0335 (4)	Crankshaft Position Sensor A Circuit Low Input	<ul style="list-style-type: none"> Crankshaft Position Sensor A Crankshaft Position Sensor A circuit ECM 	11-100
P0336 (4)	Crankshaft Position Sensor A Range/Performance	<ul style="list-style-type: none"> Crankshaft Position Sensor A Timing belt skipped teeth 	11-100
P0401 (80)	Exhaust Gas Recirculation Insufficient Flow Detected	<ul style="list-style-type: none"> EGR valve EGR line 	11-162
P0420 (68)	Rear Catalyst System Efficiency Below Threshold	<ul style="list-style-type: none"> Rear Three Way Catalytic converter Rear Secondary HO2S 	11-160
P0430 (67)	Front Catalyst System Efficiency Below Threshold	<ul style="list-style-type: none"> Front Three Way Catalytic converter Front Secondary HO2S 	11-160
P0452 (91)	Evaporative Emission Control System Pressure Sensor (Fuel Tank Pressure Sensor) Circuit Low Input	<ul style="list-style-type: none"> Open or short in Fuel Tank Pressure Sensor circuit Fuel Tank Pressure Sensor PCM 	11-168
P0453 (91)	Evaporative Emission Control System Pressure Sensor (Fuel Tank Pressure Sensor) Circuit High Input	<ul style="list-style-type: none"> Open in Fuel Tank Pressure Sensor circuit Fuel Tank Pressure Sensor ECM 	11-170
P0500 (17)	Vehicle Speed Sensor Circuit Low Input	<ul style="list-style-type: none"> Vehicle Speed Sensor Vehicle Speed Sensor circuit ECM 	11-102
P0505 (14)	Idle Control System Malfunction	<ul style="list-style-type: none"> Idle speed setting Throttle Body 	11-117

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



DTC (MIL indication)	Detection Item	Probable Cause	Page
P0700 P0715 P0720 P0725 P0730 P0740 P0753 P0758 (70)*	Automatic Transaxle	—	Section 14
P1106 (13)	Barometric Pressure Circuit Range/Performance Problem	• ECM (Baro sensor)	11-103
P1107 (13)	Barometric Pressure Circuit Low Input	• ECM (Baro sensor)	11-103
P1108 (13)	Barometric Pressure Circuit High Input	• ECM (Baro sensor)	11-103
P1128 (5)	Manifold Absolute Pressure Lower Than Expected	• MAP sensor	11-68
P1129 (5)	Manifold Absolute Pressure Higher Than Expected	• MAP sensor	11-68
P1201 P1202 P1203 P1204 P1205 P1206 (71 72 73 74 75 76)	— Cylinder 1 — Cylinder 2 — Cylinder 3 — Cylinder 4 — Cylinder 5 — Cylinder 6 Misfire Detected	• Fuel injector • Fuel injector circuit • Ignition system • Low compression • Valve clearance	11-90
P1241 (40)	Throttle Valve Control Motor Circuit 1 Malfunction	• Open or short in Throttle Valve Control Motor circuit 1 • Throttle Valve Control Motor • ECM	11-109
P1242 (40)	Throttle Valve Control Motor Circuit 2 Malfunction	• Open or short in Throttle Valve Control Motor circuit 2 • Throttle Valve Control Motor • ECM	11-109
P1243 (40)	Throttle Position Insufficient	• Throttle Valve • TP sensor • Throttle Valve Control Motor	11-111
P1244 (40)	Closed Throttle Position Insufficient	• Throttle Valve • TP sensor	11-111
P1246 (37)	Accelerator Position Sensor 1 Circuit Malfunction	• Open or short in Accelerator Position sensor 1 circuit • Accelerator Position sensor • ECM	11-114
P1247 (37)	Accelerator Position Sensor 2 Circuit Malfunction	• Open or short in Accelerator Position sensor 2 circuit • Accelerator Position sensor • ECM	11-114
P1248 (37)	Accelerator Position Sensor 1 and 2 Incorrect Correlation	• Accelerator Position sensor	11-114
P1259 (52)	VTEC System Malfunction [Rear Bank (Bank 1)]	• Open or short in Rear VTEC Solenoid Valve circuit • Rear VTEC Solenoid Valve • Open or short in Rear VTEC Pressure Switch circuit • Rear VTEC Pressure Switch • ECM	Section 6

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Troubleshooting

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

DTC (MIL indication)	Detection Item	Probable Cause	Page
P1279 (22)	VTEC System Malfunction [Front Bank (Bank 2)]	<ul style="list-style-type: none"> • Open or short in Front VTEC Solenoid Valve circuit • Front VTEC Solenoid Valve • Open or short in Front VTEC Pressure Switch circuit • Front VTEC Pressure Switch • ECM 	Section 6
P0300 or P1300 (71 72 73 74 75 76)	Random Misfire	<ul style="list-style-type: none"> • Ignition system • Fuel supply system • MAP sensor • EGR system • Contaminated fuel • Lack of fuel 	11-94
P1301 P1302 P1303 P1304 P1305 P1306 (71 72 73 74 75 76)	— Cylinder 1 — Cylinder 2 — Cylinders — Cylinder 4 — Cylinder 5 — Cylinder 6 Misfire Detected	<ul style="list-style-type: none"> • Ignition system 	11-90
P1316 (79)	Spark Plug Voltage Detection Circuit Malfunction [Front Bank (Bank 2)]	<ul style="list-style-type: none"> • Open or short in Spark Plug Voltage Detection Module circuit • Spark Plug Voltage Detection Module • ECM 	11-96
P1317 (79)	Spark Plug Voltage Detection Circuit Malfunction [Rear Bank (Bank 1)]	<ul style="list-style-type: none"> • Open or short in Spark Plug Voltage Detection Module circuit • Spark Plug Voltage Detection Module • ECM 	11-96
P1318 (79)	Spark Plug Voltage Detection Module Reset Circuit Malfunction [Front Bank (Bank 2)]	<ul style="list-style-type: none"> • Open or short in Spark Plug Voltage Detection Module Reset circuit • Spark Plug Voltage Detection Module • ECM 	11-98
P1319 (79)	Spark Plug Voltage Detection Module Reset Circuit Malfunction [Rear Bank (Bank 1)]	<ul style="list-style-type: none"> • Open or short in Spark Plug Voltage Detection Module Reset circuit • Spark Plug Voltage Detection Module • ECM 	11-98
P1336 (54)	Crankshaft Position Sensor B Range/Performance	<ul style="list-style-type: none"> • Crankshaft Position Sensor B • Timing belt skipped teeth 	11-100
P1337 (54)	Crankshaft Position Sensor B Circuit Low Input	<ul style="list-style-type: none"> • Crankshaft Position Sensor B • Crankshaft Position Sensor B circuit • ECM 	11-100
P1381 (9)	Cylinder Position Sensor A Intermittent Interruption	<ul style="list-style-type: none"> • Cylinder Position Sensor A 	11-100
P1382 (9)	Cylinder Position Sensor A No Signal	<ul style="list-style-type: none"> • Cylinder Position Sensor A • Cylinder Position Sensor A circuit • ECM 	11-100
P1386 (59)	Cylinder Position Sensor B Intermittent Interruption	<ul style="list-style-type: none"> • Cylinder Position Sensor B 	11-100
P1387 (59)	Cylinder Position Sensor B No Signal	<ul style="list-style-type: none"> • Cylinder Position Sensor B • Cylinder Position Sensor B circuit • ECM 	11-100



DTC (MIL indication)	Detection Item	Probable Cause	Page
P1456 (90)**	Evaporative Emission Control System Leak Detected (Fuel Tank Area)	<ul style="list-style-type: none"> • Vacuum connection • Fuel tank • Fuel tank pressure sensor • Fuel fill cap • EVAP bypass solenoid valve • EVAP two way valve • EVAP control canister vent shut valve • EVAP control canister • EVAP purge control solenoid valve 	11-172 ('97-99) 11-60c ('00-02)
P1457 (90)**	Evaporative Emission Control System Leak Detected (EVAP Control Canister Area)	<ul style="list-style-type: none"> • Vacuum connection • EVAP control canister • Fuel tank pressure sensor • EVAP bypass solenoid valve • EVAP two way valve • EVAP control canister vent shut valve • Fuel Tank • EVAP purge control solenoid valve 	11-172 ('97-99) 11-65c ('01-02)
P1491 (12)	EGR Valve Lift Insufficient Detected	<ul style="list-style-type: none"> • EGR valve (with lift sensor) • EGR valve lift sensor circuit • EGR control solenoid valve • EGR control solenoid valve circuit • EGR line • ECM 	11-163
P1498 (12)	EGR Valve Lift Sensor High Voltage	<ul style="list-style-type: none"> • EGR valve (with lift sensor) • EGR valve lift sensor circuit • ECM 	11-165
PI 607 (-)	Engine Control Module Internal Circuit Failure A	• ECM	11-104
P1608 (-)	Engine Control Module Internal Circuit Failure 8	• ECM	11-104
P1671 (31)	A/TFI Data Line No Signal	<ul style="list-style-type: none"> • A/T FI Data Line • TCM • ECM 	11-105
P1672 (31)	A/TFI Data Line Failure	<ul style="list-style-type: none"> • A/T FI Data Line • TCM • ECM 	11-105
P1676 (35)	TCSFI Data Line No Signal	<ul style="list-style-type: none"> • TCS FI Data Line • TCS Control Unit • ECM 	Section 19
P1677 (35)	TCSFI Data Line Failure	<ul style="list-style-type: none"> • TCS FI Data Line • TCS Control Unit • ECM 	Section 19
P1705 P1706 P1753 P1758 P1768 P1788 P1790 P1791 P1792 P1793 P1795 (70)*	Automatic Transaxle	—	Section 14

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