

DIAGNOSTIC TROUBLE CODE CHART

DTC No. (See page)	Detection Item	Trouble Area	MIL	Memory
P0100 (DI-23)	Mass Air Flow Circuit Malfunction	• Open or short in mass air flow meter circuit • Mass air flow meter • ECM	○	○
P0101 (DI-27)	Mass Air Flow Circuit Range/Performance Problem	• Mass air flow meter	○	○
P0110 (DI-28)	Intake Air Temp. Circuit Malfunction	• Open or short in intake air temp. sensor circuit • Intake air temp. sensor (built into mass air flow meter) • ECM	○	○
P0115 (DI-32)	Engine Coolant Temp. Circuit Malfunction	• Open or short in engine coolant temp. sensor circuit • Engine coolant temp. sensor • ECM	○	○
P0116 (DI-36)	Engine Coolant Temp. Circuit Range/Performance Problem	• Cooling system • Engine coolant temp. sensor	○	○
P0120 (DI-38)	Throttle/Pedal Position Sensor/Switch "A" Circuit Malfunction	• Open or short in throttle position sensor circuit • Throttle position sensor • ECM	○	○
P0121 (DI-43)	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance Problem	• Throttle position sensor	○	○
P0125 (DI-44)	Insufficient Coolant Temp. for Closed Loop Fuel Control	• Heated oxygen sensor (bank 1, 2 sensor 1) • Air induction system • Fuel pressure • Injector • Gas leakage on exhaust system • ECM	○	○
P0130 (DI-49)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 1)	• Open or short in heated oxygen sensor circuit • Heated oxygen sensor • Air induction system • Fuel pressure • Injector • ECM	○	○
P0133 (DI-53)	Oxygen Sensor Circuit Slow Response (Bank 1 Sensor 1)	• Open or short in heated oxygen sensor circuit • Heated oxygen sensor • Air induction system • Fuel pressure • Injector • ECM	○	○
P0135 (DI-56)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	• Open or short in heater circuit of heated oxygen sensor • Heated oxygen sensor heater • ECM	○	○
P0136 (DI-58)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	• Open or short in heated oxygen sensor circuit • Heated oxygen sensor	○	○
P0141 (DI-56)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	• Same as DTC No. P0135	○	○
P0150 (DI-49)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P0130	○	○
P0153 (DI-53)	Oxygen Sensor Circuit Slow Response (Bank 2 Sensor 1)	• Same as DTC No. P0133	○	○
P0155 (DI-56)	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P0135	○	○

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P0156 (DI-58)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0136	○	○
P0161 (DI-56)	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0135	○	○
P0171 (DI-60)	System too Lean (Fuel Trim)	• Air induction system • Injector blockage • Mass air flow meter • Fuel pressure • Gas leakage on exhaust system • Heated oxygen sensor (bank 1 sensor 1) • ECM	○	○
P0172 (DI-60)	System too Rich (Fuel Trim)	• Injector leak, blockage • Mass air flow meter • Ignition system • Fuel pressure • Gas leakage on exhaust system • Heated oxygen sensor (bank 1 sensor 1) • ECM	○	○
P0174 (DI-60)	System too Lean (Bank 2)	• Air induction system • Injector blockage • Mass air flow meter • Fuel pressure • Gas leakage on exhaust system • Heated oxygen sensor (bank 2 sensor 1) • PCV piping • ECM	○	○
P0175 (DI-60)	System too Rich (Bank 2)	• Injector blockage • Mass air flow meter • Ignition system • Fuel pressure • Gas leakage in exhaust system • Heated oxygen sensor (bank 2 sensor 1) • ECM	○	○
P0300 (DI-64)	Random/Multiple Cylinder Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Mass air flow meter • Engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*	○
P0301 (DI-64)	Cylinder 1 Misfire Detected			
P0302 (DI-64)	Cylinder 2 Misfire Detected			
P0303 (DI-64)	Cylinder 3 Misfire Detected			
P0304 (DI-64)	Cylinder 4 Misfire Detected			
P0305 (DI-64)	Cylinder 5 Misfire Detected			
P0306 (DI-64)	Cylinder 6 Misfire Detected			
P0307 (DI-64)	Cylinder 7 Misfire Detected			
P0308 (DI-64)	Cylinder 8 Misfire Detected			
P0325 (DI-70)	Knock Sensor 1 Circuit Malfunction	• Open or short in knock sensor 1 circuit • Knock sensor 1 (looseness) • ECM	○	○

P0330 (DI-70)	Knock Sensor 2 Circuit Malfunction	• Open or short in knock sensor 2 circuit • Knock sensor 2 (looseness) • ECM	☐	☐
P0335 (DI-73)	Crankshaft Position Sensor "A" Circuit Malfunction	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Signal plate (Timing belt guide) • ECM	☐	☐
P0340 (DI-75)	Camshaft Position Sensor Circuit Malfunction	• Open or short in camshaft position sensor circuit • Camshaft position sensor • LH camshaft timing pulley • ECM	☐	☐
P0420 (DI-77)	Catalyst System Efficiency Below Threshold (Bank 1)	• Gas leakage on exhaust system • Heated oxygen sensor • Three-way catalytic converter	☐	☐
P0430 (DI-77)	Catalyst System Efficiency Below Threshold (Bank 2)		☐	☐
P0440 (DI-80)	Evaporative Emission Control System Malfunction	• Hose or tube cracked, holed, damaged or loose seal ((3) in Fig. 1) • Fuel tank cap incorrectly installed • Fuel tank cap cracked or damaged • Vacuum hose cracked, holed, blocked, damaged or disconnected ((1) or (2) in Fig. 1) • Fuel tank cracked, holed or damaged • Open or short in vapor pressure sensor circuit • Vapor pressure sensor • Charcoal canister cracked, holed or damaged • ECM	☐	☐
P0441 (DI-86)	Evaporative Emission Control System Incorrect Purge Flow	• Vacuum hose cracked, holed, blocked damaged or disconnected ((1), (4), (5), (6) and (7) in Fig. 1) • Open or short in vapor pressure sensor circuit • Vapor pressure sensor • Open or short in VSV circuit for EVAP	☐	☐
P0446 (DI-86)	Evaporative Emission Control System Vent Control Malfunction	• VSV for EVAP • Open or short in VSV circuit for vapor pressure sensor • VSV for vapor pressure sensor • Charcoal canister cracked, holed or damaged • ECM	☐	☐
P0450 (DI-97)	Evaporative Emission Control System Pressure Sensor Malfunction	• Open or short in vapor pressure sensor circuit • Vapor pressure sensor • ECM	☐	☐
P0451 (DI-97)	Evaporative Emission Control System Pressure Sensor Range/Performance		☐	☐
P0500 (DI-100)	Vehicle Speed Sensor Malfunction	• Combination meter • Open or short in vehicle speed sensor circuit • Vehicle speed sensor • ECM	☐	☐
P0505 (DI-102)	Idle Control System Malfunction	• Electric throttle control system • Air induction system	☐	☐
P1120 (DI-103)	Accelerator Pedal Position Sensor Circuit Malfunction	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	☐	☐
P1121 (DI-108)	Accelerator Pedal Position Sensor Range/Performance Problem	• Accelerator pedal position sensor	☐	☐

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P1125 (DI-109)	Throttle Control Motor Circuit Malfunction	• Open or short in throttle control motor circuit • Throttle control motor • ECM	○	○
P1126 (DI-112)	Magnetic Clutch Circuit Malfunction	• Open or short in magnetic clutch circuit • Magnetic clutch • ECM	○	○
P1127 (DI-115)	ETCS Actuator Power Source Circuit Malfunction	• Open in ETCS power source circuit • ECM	○	○
P1128 (DI-117)	Throttle Control Motor Lock Malfunction	• Throttle control motor • Throttle body assembly	○	○
P1129 (DI-118)	Electric Throttle Control System Malfunction	• Electric throttle control system • ECM	○	○
P1200 (DI-119)	Fuel Pump Relay/ECU Circuit Malfunction	• Open or short in fuel pump ECU • Fuel pump ECU • ECM power source circuit • Fuel pump • ECM	–	○
P1300 (DI-123)	Igniter Circuit Malfunction (No.1)	• Ignition system • Open or short in IGF1 and IGT1 circuit from No.1 ignition coil with igniter to ECM • No.1 ignition coil with igniter • Ignition coil • ECM	○	○
P1305 (DI-123)	Igniter Circuit Malfunction (No.2)	• Ignition system • Open or short in IGF2 and IGT2 circuit from No.2 ignition coil with igniter to ECM • No.2 ignition coil with igniter • ECM	○	○
P1310 (DI-123)	Igniter Circuit Malfunction (No.3)	• Ignition system • Open or short in IGF2 and IGT3 circuit from No.3 ignition coil with igniter to ECM • No.3 ignition coil with igniter • ECM	○	○
P1315 (DI-123)	Igniter Circuit Malfunction (No.4)	• Ignition system • Open or short in IGF1 and IGT4 circuit from No.4 ignition coil with igniter to ECM • No.4 ignition coil with igniter • ECM	○	○
P1320 (DI-123)	Igniter Circuit Malfunction (No.5)	• Ignition system • Open or short in IGF2 and IGT5 circuit from No.5 ignition coil with igniter to ECM • No.5 ignition coil with igniter • ECM	○	○
P1325 (DI-123)	Igniter Circuit Malfunction (No.6)	• Ignition system • Open or short in IGF1 and IGT6 circuit from No.6 ignition coil with igniter to ECM • No.6 ignition coil with igniter • ECM	○	○
P1330 (DI-123)	Igniter Circuit Malfunction (No.7)	• Ignition system • Open or short in IGF1 and IGT7 circuit from No.7 ignition coil with igniter to ECM • No.7 ignition coil with igniter • ECM	○	○

P1335 (DI-129)	Crankshaft Position Sensor Circuit Malfunction (During engine running)	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Crankshaft timing pulley • ECM	–	○
P1340 (DI-123)	Igniter Circuit Malfunction (No.8)	• Ignition system • Open or short in IGF2 and IGT8 circuit from No.8 ignition coil with igniter to ECM • No.8 ignition coil with igniter • ECM	○	○
P1520 (DI-130)	Stop Light Switch Signal Malfunction	• Short in stop light switch signal circuit • Stop light switch • ECM	○	○
P1600 (DI-133)	ECM BATT Malfunction	• Open in back up power source circuit • ECM	○	○
P1633 (DI-135)	ECM Malfunction (ETCS Circuit)	• ECM	○	○
P1780 (DI-136)	Park/Neutral Position Switch Malfunction	• Short in park/neutral position switch circuit • Park/neutral position switch • ECM	○	○
B2795 (DI-736)	Unmatch Key Code	• Key • Unregistered key inserted before?	–	○
B2796 (DI-737)	No Communication in Immobilizer System	• Key • Transponder key coil • Amplifier • Wire harness • ECM	–	○
B2797 (DI-739)	Communication Malfunction No.1	• Communication contests • Unregistered key inserted before	–	○
B2798 (DI-740)	Communication Malfunction No.2	• Key • Transponder key coil • Amplifier • Wire harness • ECM	–	○

– ... MIL does not light up ○ ... MIL lights up.

* P0300–P0308 MIL will blink when number of misfire exceeds the specified limit.