

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as your reading due to the type of instrument or other factors.

If a malfunction code is displayed during the DTC check in check mode, check the circuit for that code listed in the table below, for details of each code, turn to the page referred to under the "See page" for the respective "DTC No." in the DTC chart.

SAE Controlled:

DTC No. (See Page)	Detection Item	Trouble Area	MIL*1	Memory
P0105 (DI-21)	Manifold Absolute Pressure/Barometric Pressure Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in manifold absolute pressure sensor circuit • Manifold absolute pressure sensor • ECM 	○	○
P0106 (DI-25)	Manifold Absolute Pressure Barometric Pressure Circuit Range/Performance Problem	<ul style="list-style-type: none"> • Manifold absolute pressure sensor 	○	○
P0110 (DI-27)	Intake Air Temp. Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in intake air temp. sensor circuit • Intake air temp. sensor • ECM 	○	○
P0115 (DI-31)	Engine Coolant Temp. Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in engine coolant temp. sensor circuit • Engine coolant temp. sensor • ECM 	○	○
P0116 (DI-35)	Engine Coolant Temp. Circuit Range/Performance Problem	<ul style="list-style-type: none"> • Engine coolant temp. sensor • Cooling system 	○	○
P0120 (DI-36)	Throttle/Pedal Position Sensor/Switch "A" Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in throttle position sensor circuit • Throttle position sensor • ECM 	○	○
P0121 (DI-40)	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance Problem	<ul style="list-style-type: none"> • Throttle position sensor 	○	○
P0125 (DI-41)	Insufficient Coolant Temp. for Closed Loop Fuel Control (Except California Spec.)	<ul style="list-style-type: none"> • Open or short in heated oxygen sensor circuit • Oxygen sensor 	○	○
P0130 (DI-44)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Heated oxygen sensor • Fuel trim malfunction 	○	○
P0133 (DI-47)	Oxygen Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Oxygen sensor 	○	○
P0136 (DI-48)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Heated oxygen sensor 	○	○
P0141 (DI-50)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Open or short in heater circuit of heated oxygen sensor • Heated oxygen sensor heater • ECM 	○	○
P0171 (DI-51)	System too Lean (Fuel Trim)	<ul style="list-style-type: none"> • Air intake (hose loose) • Fuel line pressure • Injector blockage • Manifold absolute pressure sensor • Engine coolant temp. sensor 	○*	○

*: ○ . . . MIL lights up

DIAGNOSTICS – ENGINE

DTC No. (See Page)	Detection Item	Trouble Area	MIL*1	Memory
P0172 (DI-51)	System too Rich (Fuel Trim)	<ul style="list-style-type: none"> Fuel line pressure Injector leak, blockage Manifold absolute pressure sensor Engine coolant temp. sensor 	○*	○
P0300 (DI-54)	Random/Multiple Cylinder Misfire Detected	<ul style="list-style-type: none"> Ignition system Injector 		
P0301 P0302 P0303 P0304 (DI-54)	Misfire Detected – Cylinder 1 – Cylinder 2 – Cylinder 3 – Cylinder 4	<ul style="list-style-type: none"> Fuel line pressure Compression pressure Valve clearance not to specification Valve timing Manifold absolute pressure sensor Engine coolant temp. sensor 	○	○
P0325 (DI-59)	Knock Sensor 1 Circuit Malfunction	<ul style="list-style-type: none"> Open or short in knock sensor 1 circuit Knock sensor 1 (looseness) ECM 	○*	○
P0335 (DI-62)	Crankshaft Position Sensor "A" Circuit Malfunction	<ul style="list-style-type: none"> Open or short in crankshaft position sensor circuit Crankshaft position sensor Starter ECM 	○*	○
P0340 (DI-65)	Camshaft Position Sensor Circuit Malfunction	<ul style="list-style-type: none"> Open or short in camshaft position sensor circuit Camshaft position sensor Starter ECM 	○*	○
P0420 (DI-67)	Catalyst System Efficiency Below Threshold	<ul style="list-style-type: none"> Three-way catalytic converter Open or short in heated oxygen sensor (bank 1 sensor 2) circuit Heated oxygen sensor (bank 1 sensor 2) Open or short in heated oxygen sensor (bank 1 sensor 1) / A/F sensor *2 circuit Heated oxygen sensor (bank 1 sensor 1) / A/F sensor *2 	○	○
P0440 (DI-70)	Evaporative Emission Control System Malfunction	<ul style="list-style-type: none"> Vapor pressure sensor Fuel tank cap incorrectly installed Fuel tank cap cracked or damaged Vacuum hose cracked, holed, blocked, damaged or disconnected Hose or tube cracked, holed, damaged or loose Fuel tank cracked, holed or damaged Charcoal canister cracked, holed or damaged 	○	○
P0441 (DI-76)	Evaporative Emission Control System Incorrect Purge Flow	<ul style="list-style-type: none"> Open or short in VSV circuit for EVAP VSV for EVAP Open or short in vapor pressure sensor circuit 	○	○
P0446 (DI-76)	Evaporative Emission Control System Vent Control Malfunction	<ul style="list-style-type: none"> Vapor pressure sensor Open or short in VSV circuit for vapor pressure sensor VSV for vapor pressure sensor Vacuum hose damaged, blocked or disconnected Charcoal canister 	○	○
P0450 (DI-87)	Evaporative Emission Control System Pressure Sensor Malfunction	<ul style="list-style-type: none"> Open or short in vapor pressure sensor circuit Vapor pressure sensor ECM 	○	○

*: MIL lights up

DTC No. (See Page)	Detection Item	Trouble Area	MIL*1	Memory
P0500 (DI-89)	Vehicle Speed Sensor Malfunction	<ul style="list-style-type: none"> • Open or short in speed sensor circuit • Vehicle speed sensor • Speedometer cable • ECM 	○	○
P0505 (DI-92)	Idle Control System Malfunction	<ul style="list-style-type: none"> • IAC valve is stuck or closed • Open or short in IAC valve circuit • Open or short in AC1 signal circuit • Air intake (hose loose) 	○	○

*: ○ . . . MIL lights up

Manufacturer Controlled:

DTC No. (See Page)	Detection Item	Trouble Area	MIL*	Memory
P1300 (DI-95)	Igniter Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in IGF or IGT1 circuit from igniter • Igniter • ECM 	○	○
P1335 (DI-100)	Crankshaft Position Sensor Circuit Malfunction (during engine running)	<ul style="list-style-type: none"> • Open or short in crankshaft position sensor circuit • Crankshaft position sensor • ECM 	—	○
P1520 (DI-101)	Stop Light Switch Signal Malfunction	<ul style="list-style-type: none"> • Short in stop light switch signal circuit • Stop light switch • ECM 	○	○
P1600 (DI-104)	ECM BATT Malfunction	<ul style="list-style-type: none"> • Open in back up power source circuit • ECM 	○	○
P1780 (DI-106)	Park/Neutral Position Switch Malfunction	<ul style="list-style-type: none"> • Short in park/neutral position switch circuit • Park/neutral position switch • ECM 	○	○

*: ○ . . . MIL lights up

*: — . . . MIL does not light up