

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 the check mode, check the circuit for the codes 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.

DTC No. (See page)	Detection Item	Trouble Area	*1 CHK ENG (MIL)	Memory
P0100/31 (05-27)	Air Flow Meter Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in air flow meter circuit • Air flow meter • ECM 	○	○
P0110/24 (05-32)	Intake Air Temp. Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in intake air temp. sensor circuit • Intake air temp. sensor (built into air flow meter) • ECM 	○*5	○
P0115/22 (05-36)	Water Temp. Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in water temp. sensor circuit • Water temp. sensor • ECM 	○	○
P0116/22*4 (05-40)	Water Temp. Circuit Range/Performance Problem	<ul style="list-style-type: none"> • Water temp. sensor • Cooling system • Thermostat 	○	○
P0120/41 (05-41)	Throttle Position Sensor Circuit Malfunction	<ul style="list-style-type: none"> • Open or short in throttle position sensor circuit • Throttle position sensor • ECM 	○*5	○
P0121/41*2 (05-47)	Throttle Position Sensor Circuit Range/Performance Problem	<ul style="list-style-type: none"> • Throttle position sensor 	○	○
P0125/91*2 (05-48)	Insufficient Water Temp. for Closed Loop Fuel Control	<ul style="list-style-type: none"> • Open or short in A/F sensor (bank 1, 2 sensor 1) circuit • A/F sensor (bank 1, 2 sensor 1) • Air induction system • Fuel pressure • Injector • Gas leakage on exhaust system • ECM 	○	○
P0136/21*2 (05-53)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Open or short in oxygen sensor circuit • Oxygen sensor 	○	○
P0141/27*2 (05-57)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Open or short in heater circuit of oxygen sensor • Oxygen sensor heater • ECM 	○	○
P0156/29*2 (05-53)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	<ul style="list-style-type: none"> • Open or short in oxygen sensor circuit • Oxygen sensor 	○	○
P0161/27*2 (05-57)	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)	<ul style="list-style-type: none"> • Open or short in heater circuit of oxygen sensor • Oxygen sensor heater • ECM 	○	○
P0171/25*2 (05-60)	System too Lean (A/F Lean Malfunction, Bank 1)	<ul style="list-style-type: none"> • Air induction system • Injector blockage • Air flow meter • Water temp. sensor • Fuel pressure • Open or short in A/F sensor (bank 1 sensor 1) circuit • A/F sensor (bank 1 sensor 1) • ECM 	○	○

P0172/26*2 (05-60)	System too Rich (A/F Rich Malfunction, Bank 1)	<ul style="list-style-type: none"> • Injector leak, blockage • Air flow meter • Water temp. sensor • Ignition system • Fuel pressure • Open or short in A/F sensor (bank 1 sensor 1) circuit • Gas leakage on exhaust system • A/F sensor (bank 1 sensor 1) • ECM 	○	○
P0174/25*2 (05-60)	System too Lean (A/F Lean Malfunction, Bank 2)	<ul style="list-style-type: none"> • Air induction system • Injector blockage • Air flow meter • Water temp. sensor • Fuel pressure • Open or short in A/F sensor (bank 2 sensor 1) circuit • A/F sensor (bank 2 sensor 1) • ECM 	○	○
P0175/26*2 (05-60)	System too Rich (A/F Rich Malfunction, Bank 2)	<ul style="list-style-type: none"> • Injector leak, blockage • Air flow meter • Water temp. sensor • Ignition system • Fuel pressure • Open or short in A/F sensor (bank 2 sensor 1) circuit • Gas leakage on exhaust system • A/F sensor (bank 2 sensor 1) • ECM 	○	○
P0300/93*4 (05-64)	Random/Multiple Cylinder Misfire Detected	<ul style="list-style-type: none"> • Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Air flow meter • Water temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM 	○	○
P0301/93*4 (05-64)	Cylinder 1 Misfire Detected			
P0302/93*4 (05-64)	Cylinder 2 Misfire Detected			
P0303/93*4 (05-64)	Cylinder 3 Misfire Detected			
P0304/93*4 (05-64)	Cylinder 4 Misfire Detected			
P0325/52 (05-69)	Knock Sensor 1 Circuit Malfunction (Bank 1)	<ul style="list-style-type: none"> • Open or short in knock sensor circuit • Knock sensor (looseness) • ECM 	○	○
P0335/12, 13 (05-72)	Crankshaft Position Sensor Circuit Malfunction (NE Signal)	<ul style="list-style-type: none"> • Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Crank angle sensor plate • ECM 	○	○
P0340/12 (05-75)	Camshaft Position Sensor Circuit Malfunction (G Signal)	<ul style="list-style-type: none"> • Open or short in camshaft position sensor circuit • Camshaft position sensor • Intake camshaft • ECM 	○	○
P0420/94*4 (05-77)	Catalyst System Efficiency Below Threshold (Bank 1)	<ul style="list-style-type: none"> • Gas leakage on exhaust system • Oxygen sensor • Three-way catalytic converter 	○	○
P0430/94*4 (05-77)	Catalyst System Efficiency Below Threshold (Bank 2)	<ul style="list-style-type: none"> • Gas leakage on exhaust system • Oxygen sensor • Three-way catalytic converter 	○	○

P0443/94 (05-80)	Evaporative Emission Control System Purge Control Vent Control Malfunction	<ul style="list-style-type: none"> • Open or short in VSV circuit for EVAP • VSV for EVAP • ECM 	○	○
P0500/42 (05-83)	Vehicle Speed Sensor Malfunction	<ul style="list-style-type: none"> • Combination meter • Open or short in vehicle speed sensor circuit • Vehicle speed sensor • ECM 	○	○
P0505/33 (05-86)	Idle Control System Malfunction	<ul style="list-style-type: none"> • Open or short in ISC valve circuit • ISC valve is stuck or closed • A/C switch circuit • Air Induction system • ECM 	○	○
P1130*6 (05-90)	A/F Sensor Circuit Range/Performance Malfunction (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Open or short in A/F sensor circuit (Bank 1) • A/F sensor (Bank 1) • Air Induction system • Fuel pressure • Injector • ECM 	○*4	○
P1133*6 (05-95)	A/F Sensor Circuit Response Malfunction (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • A/F sensor (Bank 1) 	○*4	○
P1135*5 (05-98)	A/F Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Open or short in A/F sensor heater circuit • A/F sensor (Bank 1) • ECM 	○*5	○
P1130*6 (05-90)	A/F Sensor Circuit Range/Performance Malfunction (Bank 2 Sensor 1)	<ul style="list-style-type: none"> • Open or short in A/F sensor circuit • A/F sensor (Bank 2) • Air Induction system • Fuel pressure • Injector • ECM 	○*4	○
P1133*6 (05-95)	A/F Sensor Circuit Response Malfunction (Bank 2 Sensor 1)	<ul style="list-style-type: none"> • A/F sensor (Bank 2) 	○*4	○
P1135*5 (05-98)	A/F Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)	<ul style="list-style-type: none"> • Open or short in A/F sensor heater circuit (Bank 2) • A/F sensor (Bank 2) • ECM 	○*5	○
P1300/14 (05-64)	Igniter Circuit Malfunction (No. 1)	<ul style="list-style-type: none"> • Ignition system • Open or short in IGF or IGT1 circuit from No. 1 ignition coil with igniter to ECM • No. 1 ignition coil with igniter • ECM 	○	○
P1305/15 (05-64)	Igniter Circuit Malfunction (No. 2)	<ul style="list-style-type: none"> • Ignition system • Open or short in IGF or IGT2 circuit from No. 2 ignition coil with igniter to ECM • No. 2 ignition coil with igniter • ECM 	○	○
P1310/14 (05-64)	Igniter Circuit Malfunction (No. 3)	<ul style="list-style-type: none"> • Ignition system • Open or short in IGF or IGT3 circuit from No. 3 ignition coil with igniter to ECM • No. 3 ignition coil with igniter • ECM 	○	○
P1315/15 (05-64)	Igniter Circuit Malfunction (No. 4)	<ul style="list-style-type: none"> • Ignition system • Open or short in IGF or IGT4 circuit from No. 4 ignition coil with igniter to ECM • No. 4 ignition coil with igniter • ECM 	○	○

P1335/13 (05-106)	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 • Crank angle sensor plate • ECM 	-	○
P1346/18*2 (05-107)	VVT Sensor/Camshaft Position Sensor Circuit Range/Performance Problem (Bank 1)	<ul style="list-style-type: none"> • Mechanical system (Jumping teeth of timing chain, chain stretched) • ECM 	○	○
P1349/59*2 (05-108)	VVT System Malfunction (Bank 1)	<ul style="list-style-type: none"> • Valve timing • OCV • VVT controller assembly • ECM 	○*5	○
P1520*5 (05-110)	Stop Light Switch Signal Circuit	<ul style="list-style-type: none"> • Open or short in stop light switch signal circuit • Stop light switch • ECM 	○	○
P1600*5 (05-110)	Engine ECU BATT Malfunction	<ul style="list-style-type: none"> • Open in back up power source circuit • ECM 	○	○
P1656*2 (05-110)	OCV Circuit Malfunction (Bank 1)	<ul style="list-style-type: none"> • Open or short in OCV circuit • OCV • ECM 	○	○
P1780*3, 5 (05-122)	Neutral Start Switch Malfunction	<ul style="list-style-type: none"> • Short in neutral start switch circuit • Neutral start switch • ECM 	○	○

*1: ○ ... CHK ENG (MIL) lights up. – ... CHK ENG (MIL) does not light up.

*2: Only for unleaded gasoline models.

*3: Only for A/T models.

*4: Only for European Spec. vehicle.

*5: Only for Euro OBD vehicle.

*6: Only for European area, w/ Euro OBD vehicle.