

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as your readings 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, refer to the "See page" under the respective DTC No." in the DTC chart.

DTC No. (See page)	Detection Item	Trouble Area	MIL*1	Memory
P0100/31 (05-25)	Mass Air Flow Circuit Malfunction	<ul style="list-style-type: none"> • Mass air flow meter circuit • Mass air flow meter • ECM 	○	○
P0110/24 (05-29)	Intake Air Temp. Circuit Malfunction	<ul style="list-style-type: none"> • Intake air temp. sensor circuit • Mass air flow meter • ECM 	○*3	○
P0115/22 (05-33)	Engine Coolant Temp. Circuit Malfunction	<ul style="list-style-type: none"> • Engine coolant temp. sensor circuit • Engine coolant temp. sensor • ECM 	○	○
P0116/22*3 (05-37)	Engine Coolant Temp. Circuit Range/ Performance Problem	<ul style="list-style-type: none"> • Cooling system • Engine coolant temp. sensor 	○	○
P0120/41 (05-39)	Throttle/Pedal Position Sensor/Switch "A" Circuit Malfunction	<ul style="list-style-type: none"> • Throttle position sensor circuit • Throttle position sensor • ECM 	○	○
P0121/41 (05-43)	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance Problem	<ul style="list-style-type: none"> • Throttle position sensor 	○	○
P0125/91*3 (05-44)	Insufficient Coolant Temp. for Closed Loop Fuel Control	<ul style="list-style-type: none"> • 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 • PCV hose connection • ECM 	○	○
P0130/21 (05-50)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Heated oxygen sensor circuit • Heated oxygen sensor • Air induction system • Fuel pressure • Injector • ECM 	○*3	○
P0133/21*3 (05-53)	Heated Oxygen Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Heated oxygen sensor circuit • Heated oxygen sensor • Air induction system • Fuel pressure • Injector • ECM 	○	○
P0135/21 (05-56)	Heated Oxygen Sensor Heater Circuit Mal- function (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Heated oxygen sensor heater • Heater circuit of heated oxygen sensor • ECM 	○*3	○
P0136/27 (05-58)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Heated oxygen sensor circuit • Heated oxygen sensor 	○*3	○
P0141/27 (05-56)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Same as DTC No. P0135/21 	○*3	○
P0150/28 (05-50)	Heated Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 1)	<ul style="list-style-type: none"> • Same as DTC No. P0130/21 	○*3	○
P0153/28*3 (05-53)	Heated Oxygen Sensor Circuit Slow Re- sponse (Bank 2 Sensor 1)	<ul style="list-style-type: none"> • Same as DTC No. P0133/21 	○	○

DTC No. (See page)	Detection Item	Trouble Area	MIL*1	Memory
P0155/28 (05-56)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P0135/21	○*3	○
P0156/29 (05-58)	Heated Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0136/27	○*3	○
P0161/28 (05-56)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0135/21	○*3	○
P0171/25 (05-60)	System too Lean (Fuel Trim) (Bank 1)	<ul style="list-style-type: none"> • Air induction system • Injector blockage • Mass air flow meter • Engine coolant temp. sensor • Fuel pressure • Gas leakage on exhaust system • Heated oxygen sensor (bank 1 sensor 1) circuit • Heated oxygen sensor (bank 1 sensor 1) • PCV hose connection • ECM 	○*3	○
P0172/26*3 (05-60)	System too Rich (Fuel Trim) (Bank 1)	<ul style="list-style-type: none"> • Injector leak, blockage • Mass air flow meter • Engine coolant temp. sensor • Ignition system • Fuel pressure • Gas leakage on exhaust system • Heated oxygen sensor (bank 1 sensor 1) circuit • Heated oxygen sensor (bank 1 sensor 1) • ECM 	○	○
P0174/25 (05-60)	System too Lean (Fuel Trim) (Bank2)	<ul style="list-style-type: none"> • Air induction system • Injector blockage • Mass air flow meter • Engine coolant temp. sensor • Fuel pressure • Gas leakage on exhaust system • Heated oxygen sensor (bank 2 sensor 1) circuit • Heated oxygen sensor (bank 2 sensor 1) • PCV hose connection • ECM 	○*3	○
P0175/26*3 (05-60)	System too Rich (Fuel Trim) (Bank2)	<ul style="list-style-type: none"> • Injector leak, blockage • Mass air flow meter • Engine coolant temp. sensor • Ignition system • Fuel pressure • Gas leakage on exhaust system • Heated oxygen sensor (bank 2 sensor 1) circuit • Heated oxygen sensor (bank 2 sensor 1) • ECM 	○	○

DIAGNOSTICS - SFI SYSTEM

DTC No. (See page)	Detection Item	Trouble Area	MIL*1	Memory
P0300/93 (05-65)	Random/Multiple Cylinder Misfire Detected	<ul style="list-style-type: none"> • 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 • PCV hose connection • ECM 	○*2	○
P0301/93*3 (05-65)	Cylinder 1 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0302/93*3 (05-65)	Cylinder 2 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0303/93*3 (05-65)	Cylinder 3 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0304/93*3 (05-65)	Cylinder 4 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0305/93*3 (05-65)	Cylinder 5 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0306/93*3 (05-65)	Cylinder 6 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0307/93*3 (05-65)	Cylinder 7 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0308/93*3 (05-65)	Cylinder 8 Misfire Detected	• Same as DTC No.P0300/93	○*2	○
P0325/52 (05-70)	Knock Sensor 1 Circuit Malfunction (Bank 1)	<ul style="list-style-type: none"> • Knock sensor 1 circuit • Knock sensor 1 (looseness) • ECM 	○	○
P0330/55 (05-70)	Knock Sensor 2 Circuit Malfunction (Bank 2)	<ul style="list-style-type: none"> • Knock sensor 1 circuit • Knock sensor 1 (looseness) • ECM 	○	○
P0335/12,13 (05-74)	Crankshaft Position Sensor "A" Circuit Malfunction	<ul style="list-style-type: none"> • Crankshaft position sensor circuit • Crankshaft position sensor • Crankshaft timing pulley • ECM 	○	○
P0340/12 (05-77)	Camshaft Position Sensor Circuit Malfunction	<ul style="list-style-type: none"> • Camshaft position sensor circuit • Camshaft position sensor • Camshaft timing gear • ECM 	○	○
P0420/94*3 (05-79)	Catalyst System Efficiency Below Threshold (Bank 1)	<ul style="list-style-type: none"> • Gas leak on exhaust system • Heated oxygen sensor (bank 1 sensor 2) • TWC 	○	○
P0430/94*3 (05-79)	Catalyst System Efficiency Below Threshold (Bank 2)	• Same as DTC No. P0420/94	○	○
P0443/94*3 (05-82)	Evaporative Emission Control Valve Circuit Malfunction	<ul style="list-style-type: none"> • VSV circuit for EVAP • VSV for EVAP • ECM 	○	○
P0500/42 (05-85)	Vehicle Speed Sensor Malfunction	<ul style="list-style-type: none"> • Combination meter • Speed sensor circuit • Speed sensor • ECM 	○	○

DTC No. (See page)	Detection Item	Trouble Area	MIL*1	Memory
P0505/33*3 (05-89)	Idle Control System Malfunction	<ul style="list-style-type: none"> • Electric throttle control system • Air induction system • PCV hose connection • ECM 	○	○
P1120/19 (05-93)	Accelerator Pedal Position Sensor Circuit Malfunction	<ul style="list-style-type: none"> • Accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM 	○	○
P1121/19 (05-97)	Accelerator Pedal Position Sensor Range/Performance Problem	<ul style="list-style-type: none"> • Accelerator pedal position sensor 	○	○
P1125/89 (05-98)	Throttle Control Motor Circuit Malfunction	<ul style="list-style-type: none"> • Throttle control motor circuit • Throttle control motor • ECM 	○	○
P1127/89 (05-101)	ETCS Actuator Power Source Circuit Malfunction	<ul style="list-style-type: none"> • ETCS actuator power source circuit • ECM 	○	○
P1128/89 (05-103)	Throttle Control Motor Lock Malfunction	<ul style="list-style-type: none"> • Throttle control motor • ECM 	○	○
P1129/89 (05-104)	Electric Throttle Control System Malfunction	<ul style="list-style-type: none"> • Electric throttle control system • ECM 	○	○
P1200/78 (05-105)	Fuel Pump Relay/ECU Circuit Malfunction	<ul style="list-style-type: none"> • Fuel pump relay • ECM 		○
P1300/14 (05-108)	Igniter Circuit Malfunction (No.1)	<ul style="list-style-type: none"> • Ignition system • IGF1 or IGT1 circuit from No.1 ignition coil with igniter to ECM • No.1 ignition coil with igniter • ECM 	○	○
P1305/15 (05-108)	Igniter Circuit Malfunction (No.2)	<ul style="list-style-type: none"> • Ignition system • IGF2 or IGT2 circuit from No.2 ignition coil with igniter to ECM • No.2 ignition coil with igniter • ECM 	○	○
P1310/14 (05-108)	Igniter Circuit Malfunction (No.3)	<ul style="list-style-type: none"> • Ignition system • IGF2 or IGT3 circuit from No.3 ignition coil with igniter to ECM • No.3 ignition coil with igniter • ECM 	○	○
P1315/14 (05-108)	Igniter Circuit Malfunction (No.4)	<ul style="list-style-type: none"> • Ignition system • IGF1 or IGT4 circuit from No.4 ignition coil with igniter to ECM • No.4 ignition coil with igniter • ECM 	○	○
P1320/14 (05-108)	Igniter Circuit Malfunction (No.5)	<ul style="list-style-type: none"> • Ignition system • IGF2 or IGT5 circuit from No.5 ignition coil with igniter to ECM • No.5 ignition coil with igniter • ECM 	○	○
P1325/14 (05-108)	Igniter Circuit Malfunction (No.6)	<ul style="list-style-type: none"> • Ignition system • IGF1 or IGT6 circuit from No.6 ignition coil with igniter to ECM • No.6 ignition coil with igniter • ECM 	○	○
P1330/14 (05-108)	Igniter Circuit Malfunction (No.7)	<ul style="list-style-type: none"> • Ignition system • IGF1 or IGT7 circuit from No.7 ignition coil with igniter to ECM • No.7 ignition coil with igniter • ECM 	○	○

DIAGNOSTICS - SFI SYSTEM

DTC No. (See page)	Detection Item	Trouble Area	MIL*1	Memory
P1335/13 (05-118)	Crankshaft Position Sensor Circuit Malfunction (During engine running)	<ul style="list-style-type: none"> •Crankshaft position sensor circuit •Crankshaft position sensor •Camshaft timing gear •ECM 		○
P1340/14 (05-108)	Igniter Circuit Malfunction (No.8)	<ul style="list-style-type: none"> •Ignition system •IGF1 or IGT8 circuit from No.8 ignition coil with igniter to ECM •No.8 ignition coil with igniter •ECM 	○	○
P1345/18 (05-119)	VVT Sensor/Camshaft Position Sensor Circuit Malfunction	<ul style="list-style-type: none"> •VVT sensor circuit •VVT sensor •ECM 	○	○
P1346/18 (05-122)	VVT Sensor/Camshaft Position Sensor Circuit Range/Performance Problem (Bank 1)	<ul style="list-style-type: none"> •Ignition timing (timing belt etc.) •ECM 	○	○
P1349/59 (05-123)	VVT System Malfunction (Bank 1)	<ul style="list-style-type: none"> •Valve timing •OCV •VVT controller assembly •ECM 	○*3	○
P1350/18 (05-119)	VVT Sensor/Camshaft Position Sensor Circuit Malfunction (Bank 2)	•Same as DTC No. P1345/18	○	○
P1351/18 (05-122)	VVT Sensor/Camshaft Position Sensor Circuit Range/Performance Problem (Bank 2)	•Same as DTC No. P1346/18	○	○
P1354/59 (05-123)	VVT System Malfunction (Bank 2)	•Same as DTC No. P1349/59	○*3	○
P1520/52 (05-128)	Stop Light Switch Signal Malfunction	<ul style="list-style-type: none"> •Stop light switch signal circuit •Stop light switch •ECM 	○*3	○
P1600/96*3 (05-130)	ECM BATT Malfunction	<ul style="list-style-type: none"> •Back up power source circuit •ECM 	○*3	○
P1633/89 (05-132)	ECM Malfunction (ETCS Circuit)	•ECM	○	○
P1645/82 (05-133)	Gateway ECU Malfunction	<ul style="list-style-type: none"> •Gateway ECU •A/C ECU •Communication bus 		○
P1651/96*3 (05-134)	VSV for ACIS Malfunction	<ul style="list-style-type: none"> •Open or short in VSV circuit for ACIS •VSV for ACIS •ECM 	○	○
P1656/39 (05-138)	OCV Circuit Malfunction (Bank 1)	<ul style="list-style-type: none"> •OCV circuit •OCV (bank 1) •ECM 	○	○
P1663/39 (05-138)	OCV Circuit Malfunction (Bank 2)	<ul style="list-style-type: none"> •OCV circuit •OCV (bank 2) •ECM 	○	○
B2799/99 (05-1215)	Immobilier System Malfunction	•Engine Immobilier system		○

*1: MIL lights up

*2: MIL lights up or blinks

*3: Europe only