0562A–01

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 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.

SAE CONTROLLED

DTC No. (See Page)	Detection Item	Trouble Area	CHK ENG*1 (MIL)	Memory
P0100/31 (05–312)	Mass Air Flow Circuit Malfunction	• Open or short in intake air flow meter circuit • Intake air flow meter • ECM	○	○
P0110/24 (05–318)	Intake Air Temp. Circuit Malfunction	• Open or short in intake air temp. sensor circuit • Intake air temp. sensor (Inside intake air flow meter) • ECM	○	○
P0115/22 (05–322)	Engine Coolant Temp. Circuit Malfunction	• Open or short in E.F.I. engine coolant temp. sensor circuit • E.F.I. engine coolant temp. sensor • ECM	○	○
P0116/22 (05–326)	Engine Coolant Temp. Circuit Range/Performance Problem	• Cooling system • E.F.I. engine coolant temp. sensor	○	○
P0120/41 (05–328)	Throttle/Pedal Position Sensor/ Switch "A" Circuit Malfunction	• Open or short in throttle position sensor circuit • Throttle body assy (throttle position sensor) • ECM	○	○
P0121/41 (05–332)	Throttle/Pedal Position Sensor/ Switch "A" Circuit Range/Performance Problem	• Throttle body assy (throttle position sensor) • ECM	○	○
P0125/91 (05–333)	Insufficient Coolant Temp. for Closed Loop Fuel Control	• 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	○	○
P0136/27 (05–339)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	• Open or short in heated oxygen sensor circuit • Oxygen sensor	○	○
P0141/27 (05–343)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	• Open or short in heater circuit of heated oxygen sensor • Oxygen sensor heater • ECM	○	○
P0156/29 (05–339)	Heated Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0136	○	○
P0161/28 (05–343)	Heated Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0141	○	○
P0171/25 (05–346)	System too Lean (Fuel Trim) (Bank 1)	• Air induction system • Injector blockage • Intake air flow meter • E.F.I. engine coolant temp. sensor • Fuel pressure • Gas leakage on exhaust system • Open or short in A/F sensor (bank 1, sensor 1) circuit • A/F sensor (bank 1, sensor 1) • ECM	○	○

P0172/26 (05–346)	System too Rich (Fuel Trim) (Bank 1)	• Injector leak, blockage • Intake air flow meter • E.F.I. engine coolant temp. sensor • Ignition system • Fuel pressure • Gas leakage on exhaust system • Open or short in A/F sensor (bank 1, sensor 1) circuit • A/F sensor (bank 1, sensor 1) • ECM	○	○
P0174/25 (05–346)	System too Lean (Fuel Trim) (Bank2)	• Air induction system • Injector blockage • Intake air flow meter • E.F.I. engine coolant temp. sensor • Fuel pressure • Gas leakage on exhaust system • Open or short in A/F sensor (bank 2, sensor 1) circuit • A/F sensor (bank 2, sensor 1) • ECM	○	○
P0175/26 (05–346)	System too Rich (Fuel Trim) (Bank2)	• Injector leak, blockage • Intake air flow meter • E.F.I. engine coolant temp. sensor • Ignition system • Fuel pressure • Gas leakage on exhaust system • Open or short in A/F sensor (bank 2, sensor 1) circuit • A/F sensor (bank 2, sensor 1) • ECM	○	○
P0300/93 (05–352)	Random/Multiple Cylinder Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Intake air flow meter • E.F.I. engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*2	○
P0301/93 (05–352)	Cylinder 1 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Intake air flow meter • E.F.I. engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*2	○
P0302/93 (05–352)	Cylinder 2 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Intake air flow meter • E.F.I. engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*2	○

P0303/93 (05–352)	Cylinder 3 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Intake air flow meter • E.F.I. engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*2	○
P0304/93 (05–352)	Cylinder 4 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Intake air flow meter • E.F.I. engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*2	○
P0305/93 (05–352)	Cylinder 5 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Intake air flow meter • E.F.I. engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*2	○
P0306/93 (05–352)	Cylinder 6 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Intake air flow meter • E.F.I. engine coolant temp. sensor • Compression pressure • Valve clearance • Valve timing • ECM	○*2	○
P0325/52 (05–358)	Knock Sensor 1 Circuit Malfunction (Bank 1)	• Open or short in knock sensor 1 circuit • Knock control sensor 1 (looseness) • ECM	○	○
P0330/55 (05–358)	Knock Sensor 2 Circuit Malfunction (Bank 2)	• Open or short in knock sensor 2 circuit • Knock control sensor 2 (looseness) • ECM	○	○
P0335/12.13 (05–362)	Crankshaft Position Sensor ”A” Circuit Malfunction	• Open or short in crankshaft position sensor circuit • Crank position sensor • Crankshaft timing pulley • ECM	○	○
P0340/12 (05–365)	Camshaft Position Sensor Circuit Malfunction	• Open or short in camshaft position sensor circuit • Camshaft position sensor • Camshaft timing gear • ECM	○	○

P0401/71 (05–367)	Exhaust Gas Recirculation Flow Insufficient Detected	• Open or short in EGR gas temp. sensor circuit • EGR gas temp. sensor • Vacuum hose disconnected or blocked • Open in VSV circuit for EGR • VSV for EGR • EGR system • EGR valve (stuck closed) • Vacuum control valve • ECM	○	○
P0402/71 (05–375)	Exhaust Gas Recirculation Flow Excessive Detected	• Vacuum hose disconnected or blocked • Short in VSV circuit for EGR • VSV for EGR • EGR valve stuck open • Open or short in EGR valve position sensor circuit • EGR valve position sensor • ECM	○	○
P0420/94 (05–378)	Catalyst System Efficiency Below Threshold (Bank 1)	• Gas leakage on exhaust system • A/F sensor (bank 1, sensor 1) • Heated oxygen sensor (bank 1, sensor 2) • Exhaust manifold converter	○	○
P0430/94 (05–378)	Catalyst System Efficiency Below Threshold (Bank 2)	• Gas leakage on exhaust system • A/F sensor (bank 2, sensor 1) • Heated oxygen sensor (bank 2, sensor 2) • Exhaust manifold converter	○	○
P0443/94 (05–381)	Evaporative Emission Control System Purge Control Valve Circuit Malfunction	• Open or short in VSV circuit for EVAP • VSV for EVAP • ECM	○	○
P0500/42 (05–384)	Vehicle Speed Sensor Malfunction	• Combination meter • Vehicle speed sensor • Open or short in speed sensor circuit • Skd control computen assy • ECM	○	○
P0505/33 (05–387)	Idle Control System Malfunction	• Therttle body assy • Air induction system • ECM	○	○
P0605*3	Internal Control Module Read Only Memory Error	• ECM	—	○
P0710/38 (05–640)	Transmission Fluid Temp. Sensor Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0711/38 (05–640)	Transmission Fluid Temp. Sensor Range/Performance Problem	• Electronic controlled automatic transmission (ECT)	○	○
P0750/62 (05–643)	S1 Solenoid Valve Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0753/62 (05–648)	S1 Solenoid Valve Electrical Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0755/63 (05–643)	S2 Solenoid Valve Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0758/63 (05–648)	S2 Solenoid Valve Electrical Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0765/65 (05–643)	S4 Solenoid Valve Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0768/65 (05–648)	S4 Solenoid Valve Electrical Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0770/64 (05–654)	SL Solenoid Valve Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P0773/64 (05–658)	SL Solenoid Valve Electrical Malfunction	• Electronic controlled automatic transmission (ECT)	○	○

*1: CHK ENG lights up

*2: CHK ENG light up or blinking

*3: Replace ECM, TCCS code is not indicated

MANUFACTURER CONTROLLED

DTC No. (See Page)	Detection Item	Trouble Area	CHK ENG* (MIL)	Memory
P1120/19 (05–391)	Accelerator Pedal Position Sensor Circuit Malfunction	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P1121/19 (05–395)	Accelerator Pedal Position Sensor Range/Performance Problem	• Accelerator pedal position sensor • ECM	○	○
P1125/41 (05–396)	Throttle Control Motor Circuit Malfunction	• Open or short in throttle control motor circuit • Throttle body assy (Throttle motor) • ECM	○	○
P1127/89 (05–399)	ETCS Actuator Power Source Circuit Malfunction	• ETCS actuator power source circuit malfunction • ECM	○	○
P1128/41 (05–401)	Throttle Control Motor Lock Malfunction	• Throttle body assy (Throttle motor) • Throttle body assy (Throttle valve)	○	○
P1129/89 (05–402)	Electric Throttle Control System Malfunction	• Electric throttle control system malfunction • ECM	○	○
P1130/21 (05–403)	A/F Sensor Circuit Range/Performance Malfunction (Bank 1 Sensor 1)	• Open or short in A/F sensor circuit • A/F sensor • Air induction system • Fuel pressure • Injector • ECM	○	○
P1133/21 (05–407)	A/F Sensor Circuit Response Malfunction (Bank 1 Sensor 1)	• Open or short in A/F sensor circuit • A/F sensor • Air induction system • Fuel pressure • Injector • ECM	○	○
P1135/21 (05–410)	A/F Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	• Open or short in heater circuit of A/F sensor • A/F sensor heater • A/F ratio sensor heater relay • ECM	○	○
P1150/28 (05–403)	A/F Sensor Circuit Range/Performance Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P1130	○	○
P1153/28 (05–407)	A/F Sensor Circuit Response Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P1133	○	○
P1155/28 (05–410)	A/F Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P1135	○	○
P1300/14 (05–412)	Igniter Circuit Malfunction (No.1)	• Ignition system • Open or short in IGF1 or IGT1 circuit from No.1 ignition coil with igniter to ECM • No.1 ignition coil with igniter • ECM	○	○
P1305/15 (05–412)	Igniter Circuit Malfunction (No.2)	• Ignition system • Open or short in IGF2 or IGT2 circuit from No.2 ignition coil with igniter to ECM • No.2 ignition coil with igniter • ECM	○	○
P1310/15 (05–412)	Igniter Circuit Malfunction (No.3)	• Ignition system • Open or short in IGF2 or IGT3 circuit from No.3 ignition coil with igniter to ECM • No.3 ignition coil with igniter • ECM	○	○

P1315/14 (05–412)	Igniter Circuit Malfunction (No.4)	• Ignition system • Open or short in IGF1 or IGT4 circuit from No.4 ignition coil with igniter to ECM • No.4 ignition coil with igniter • ECM	○	○
P1320/14 (05–412)	Igniter Circuit Malfunction (No.5)	• Ignition system • Open or short in IGF2 or IGT5 circuit from No.5 ignition coil with igniter to ECM • No.5 ignition coil with igniter • ECM	○	○
P1325/15 (05–412)	Igniter Circuit Malfunction (No.6)	• Ignition system • Open or short in IGF1 or IGT6 circuit from No.6 ignition coil with igniter to ECM • No.6 ignition coil with igniter • ECM	○	○
P1335/13 (05–418)	Crankshaft Position Sensor Circuit Malfunction (During engine running)	• Open or short in crankshaft position sensor circuit • Crank position sensor • Camshaft timing gear • ECM	—	○
P1410/96 (05–420)	EGR Valve Position Sensor Circuit Malfunction	• Open or short in EGR valve position sensor circuit • EGR valve position sensor • ECM	○	○
P1411/96 (05–423)	EGR Valve Position Sensor Circuit Range/Performance Problem	• EGR valve position sensor	○	○
P1520/51 (05–424)	Stop Light Switch Signal Malfunction	• Short in stop light switch signal circuit • Stop light switch • ECM	○	○
P1566/54 (05–306)	Input Signal Circuit Abnormal	• ECM	○	○
P1600/96 (05–426)	ECM BATT Malfunction	• Open in back up power source circuit • ECM	○	○
P1633/89 (05–428)	ECM Malfunction (ETCS Circuit)	• ECM	○	○
P1651/96 (05–429)	VSV for ACIS Circuit Malfunction	• Open or short in VSV for ACIS • VSV for ACIS • ECM	○	○
P1668/96 (05–432)	VSV for AICV Circuit Malfunction	• Open or short in VSV for AICV • VSV for AICV • ECM	○	○
P1725/37 (05–663)	NT Revolution Sensor Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P1730/67 (05–665)	NT Revolution Sensor Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P1760/77 (05–668)	Linear Solenoid for Accumulator Pressure Control Malfunction	• Electronic controlled automatic transmission (ECT)	○	○
P1780/97 (05–672)	Park/Neutral Position Switch Malfunction	• Short in park/neutral position switch circuit • Park/neutral position switch • ECM	○	○
B2795/99 (05–269)	Unmatched Key Code	• Immobilizer system	—	○
B2796/99 (05–270)	No Communication in Immobilizer System	• Immobilizer system	—	○
B2797/99 (05–273)	Communication Malfunction No.1	• Immobilizer system	—	○
B2798/99 (05–270)	Communication Malfunction No.2	• Immobilizer system	—	○

*:○ ··· CHK ENG lights up, – ··· CHK ENG dose not light up