054JD–39

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
P0010 (05–232)	Camshaft Position ”A” Actuator Circuit (Bank 1)	• Open or short in OCV circuit • OCV • ECM	○	○
P0011 (05–236)	Camshaft Position ”A” –Timing Over– Advanced or System Performance (Bank 1)	• Valve timing • OCV • VVT controller assembly • ECM	○	○
P0012 (05–236)	Camshaft Position ”A” –Timing Over– Retarded (Bank 1)	• Valve timing • OCV • VVT controller assembly • ECM	○	○
P0016 (05–240)	Crankshaft Position – Camshaft Position Correlation (Bank 1 Sensor A)	• Open or short in VVT sensor circuit • VVT sensor • ECM	○	○
P0018 (05–240)	Crankshaft Position – Camshaft Position Correlation (Bank 2 Sensor A)	• Open or short in VVT sensor circuit • VVT sensor • ECM	○	○
P0020 (05–232)	Camshaft Position ”A” Actuator Circuit (Bank 2)	• Open or short in OCV circuit • OCV • ECM	○	○
P0021 (05–236)	Camshaft Position ”A” –Timing Over– Advanced or System Performance (Bank 2)	• Valve timing • OCV • VVT controller assembly • ECM	○	○
P0022 (05–236)	Camshaft Position ”A” –Timing Over– Retarded (Bank 2)	• Valve timing • OCV • VVT controller assembly • ECM	○	○
P0031 (05–241)	Oxygen (A/F) Sensor Heater Control Circuit Low (Bank 1 Sensor 1)	• Open in heater circuit of A/F sensor • A/F sensor heater • A/F Heater relay • ECM	○	○
P0032 (05–241)	Oxygen (A/F) Sensor Heater Control Circuit High (Bank 1 Sensor 1)	• Short in heater circuit of A/F sensor • A/F sensor heater • A/F Heater relay • ECM	○	○
P0037 (05–246)	Oxygen Sensor Heater Control Circuit Low (Bank 1 Sensor 2)	• Open in heater circuit of heated oxygen sensor • Heated oxygen sensor heater • EFI relay • ECM	○	○
P0038 (05–246)	Oxygen Sensor Heater Control Circuit High (Bank 1 Sensor 2)	• Short in heater circuit of heated oxygen sensor • Heated oxygen sensor heater • EFI relay • ECM	○	○

P0051 (05–241)	Oxygen (A/F) Sensor Heater Control Circuit Low (Bank 2 Sensor 1)	• Open in heater circuit of A/F sensor • A/F sensor heater • A/F Heater relay • ECM	○	○
P0052 (05–241)	Oxygen (A/F) Sensor Heater Control Circuit High (Bank 2 Sensor 1)	• Short in heater circuit of A/F sensor • A/F sensor heater • A/F Heater relay • ECM	○	○
P0057 (05–246)	Oxygen Sensor Heater Control Circuit Low (Bank 2 Sensor 2)	• Open in heater circuit of heated oxygen sensor • Heated oxygen sensor heater • EFI relay • ECM	○	○
P0058 (05–246)	Oxygen Sensor Heater Control Circuit High (Bank 2 Sensor 2)	• Short in heater circuit of heated oxygen sensor • Heated oxygen sensor heater • EFI relay • ECM	○	○
P0100 (05–249)	Mass or Volume Air Flow Circuit	• Open or short in mass air flow meter circuit • Mass air flow meter • ECM	○	○
P0102 (05–249)	Mass or Volume Air Flow Circuit Low Input	• Open or short in mass air flow meter circuit • Mass air flow meter • ECM	○	○
P0103 (05–249)	Mass or Volume Air Flow Circuit High Input	• Open or short in mass air flow meter circuit • Mass air flow meter • ECM	○	○
P0110 (05–255)	Intake Air Temperature Circuit	• Open or short in intake air temperature sensor circuit • Intake air temperature sensor (built in mass air flow meter) • ECM	○	○
P0112 (05–255)	Intake Air Temperature Circuit Low Input	• Open or short in intake air temperature sensor circuit • Intake air temperature sensor (built in mass air flow meter) • ECM	○	○
P0113 (05–255)	Intake Air Temperature Circuit High Input	• Open or short in intake air temperature sensor circuit • Intake air temperature sensor (built in mass air flow meter) • ECM	○	○
P0115 (05–259)	Engine Coolant Temperature Circuit	• Open or short in engine coolant temperature sensor circuit • Engine coolant temperature sensor • ECM	○	○
P0116 (05–263)	Engine Coolant Temperature Circuit Range/Performance Problem	• Engine coolant temperature sensor	○	○
P0117 (05–259)	Engine Coolant Temperature Circuit Low Input	• Open or short in engine coolant temperature sensor circuit • Engine coolant temperature sensor • ECM	○	○
P0118 (05–259)	Engine Coolant Temperature Circuit High Input	• Open or short in engine coolant temperature sensor circuit • Engine coolant temperature sensor • ECM	○	○
P0120 (05–265)	Throttle Pedal Position Sensor/ Switch "A" Circuit	• Open or short in throttle control motor and sensor circuit • Throttle control motor and sensor • ECM	○	○
P0122 (05–265)	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low Input	• Short in throttle control motor and sensor circuit • Throttle control motor and sensor • Short in VTA1 circuit • Open in VC circuit • ECM	○	○

P0123 (05–265)	Throttle/Pedal Position Sensor/ Switch "A" Circuit High Input	• Open in throttle control motor and sensor circuit • Throttle control motor and sensor • Open in VTA1 circuit • Open in E2 circuit • VC and VTA1 circuit are short–circuited • ECM	○	○
P0136 (05–271)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	• Open or short in heated oxygen sensor circuit • Heated oxygen sensor • Heated oxygen sensor heater • EFI relay	○	○
P0137 (05–271)	Oxygen Sensor Circuit Low Voltage (Bank 1 Sensor 2)	• Open in heated oxygen sensor circuit • Heated oxygen sensor • Heated oxygen sensor sensor heater • EFI relay • Gas leakage from exhaust system	○	○
P0138 (05–271)	Oxygen Sensor Circuit High Voltage (Bank 1 Sensor 2)	• Short in heated oxygen sensor circuit • Short in heated oxygen sensor • ECM internal circuit malfunction	○	○
P0156 (05–271)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	• Open or short in heated oxygen sensor circuit • Heated oxygen sensor • Heated oxygen sensor heater • EFI relay	○	○
P0157 (05–271)	Oxygen Sensor Circuit Low Voltage (Bank 2 Sensor 2)	• Open in heated oxygen sensor (sensor 2) circuit • Heated oxygen sensor (sensor 2) • Heated oxygen sensor heater (sensor 2) • EFI relay • Gas leakage from exhaust system	○	○
P0158 (05–271)	Oxygen Sensor Circuit High Voltage (Bank 2 Sensor 2)	• Short in heated oxygen sensor (sensor 2) circuit • Short in heated oxygen sensor (sensor 2) • ECM internal circuit malfunction	○	○
P0171*2 (05–279)	System too Lean (Bank 1)	• Air induction system • Injector blockage • Mass air flow meter • Engine coolant temperature sensor • Fuel pressure • Gas leakage on exhaust system • Open or short in heated oxygen sensor (bank 1 sensor 1) circuit • Heated oxygen sensor (bank 1 sensor 1) • Heated oxygen sensor heater • EFI relay • PCV piping • ECM	○	○
P0172*2 (05–279)	System too Rich (Bank 1)	• Injector leak, blockage • Mass air flow meter • Engine coolant temperature sensor • Ignition system • Fuel pressure • Gas leakage in exhaust system • Open or short in heated oxygen sensor (bank 1 sensor 1) circuit • Heated oxygen sensor (bank 1 sensor 1) • ECM	○	○

P0174*2 (05–279)	System too Lean (Bank 2)	• Air induction system • Injector blockage • Mass air flow meter • Engine coolant temperature sensor • Fuel pressure • Gas leakage in exhaust system • Open or short in heated oxygen sensor (bank 2 sensor 1) circuit • Heated oxygen sensor (bank 2 sensor 1) • Heated oxygen sensor heater • EFI relay • PCV piping • ECM	○	○
P0175*2 (05–279)	System too Rich (Bank 2)	• Injector leak, blockage • Mass air flow meter • Engine coolant temperature sensor • Ignition system • Fuel pressure • Gas leakage in exhaust system • Open or short in heated oxygen sensor (bank 2 sensor 1) circuit • Heated oxygen sensor (bank 2 sensor 1) • ECM	○	○
P0220 (05–265)	Throttle/Pedal Position Sensor/ Switch "B" Circuit	• Throttle control motor and sensor • ECM	○	○
P0222 (05–265)	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low Input	• Throttle control motor and sensor • Short in VTA2 circuit • Open in VC circuit • ECM	○	○
P0223 (05–265)	Throttle/Pedal Position Sensor/ Switch "B" Circuit High Input	• Throttle control motor and sensor • Open in VTA2 circuit • Open in E2 circuit • VC and VTA2 circuit are short–circuited • ECM	○	○
P0230 (05–289)	Fuel Pump Primary Circuit	• Open or short in fuel pump relay circuit • Fuel pump relay • Circuit opening relay • Fuel pump • ECM	–	○
P0300*2 (05–294)	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 temperature sensor • Compression pressure • Valve clearance • Valve timing • PCV piping • ECM	○	○

P0301*2 (05–294)	Cylinder 1 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Mass air flow meter • Engine coolant temperature sensor • Compression pressure • Valve clearance • Valve timing • PCV piping • ECM	○	○
P0302*2 (05–294)	Cylinder 2 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Mass air flow meter • Engine coolant temperature sensor • Compression pressure • Valve clearance • Valve timing • PCV piping • ECM	○	○
P0303*2 (05–294)	Cylinder 3 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Mass air flow meter • Engine coolant temperature sensor • Compression pressure • Valve clearance • Valve timing • PCV piping • ECM	○	○
P0304*2 (05–294)	Cylinder 4 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Mass air flow meter • Engine coolant temperature sensor • Compression pressure • Valve clearance • Valve timing • PCV piping • ECM	○	○

P0305*2 (05–294)	Cylinder 5 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Mass air flow meter • Engine coolant temperature sensor • Compression pressure • Valve clearance • Valve timing • PCV piping • ECM	○	○
P0306*2 (05–294)	Cylinder 6 Misfire Detected	• Open or short in engine wire • Connector connection • Vacuum hose connection • Ignition system • Injector • Fuel pressure • Mass air flow meter • Engine coolant temperature sensor • Compression pressure • Valve clearance • Valve timing • PCV piping • ECM	○	○
P0327 (05–306)	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)	• Short in knock sensor circuit • Knock sensor • ECM	○	○
P0328 (05–306)	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)	• Open in knock sensor circuit • Knock sensor • ECM	○	○
P0332 (05–306)	Knock Sensor 2 Circuit Low Input (Bank 2)	• Short in knock sensor circuit • Knock sensor • ECM	○	○
P0333 (05–306)	Knock Sensor 2 Circuit High Input (Bank 2)	• Open in knock sensor circuit • Knock sensor • ECM	○	○
P0335 (05–311)	Crankshaft Position Sensor "A" Circuit	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Signal plate • ECM	○	○
P0339 (05–311)	Crankshaft Position Sensor "A" Circuit Intermittent	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Signal plate • ECM	–	○
P0340 (05–315)	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	• Open or short in camshaft position sensor circuit • Camshaft position sensor • LH camshaft timing pulley • Jumping teeth of timing belt • ECM	○	○
P0342 (05–315)	Camshaft Position Sensor "A" Circuit Low Input (Bank 1 or Single Sensor)	• Open or short in camshaft position sensor circuit • VVT sensor • ECM	○	○

P0343 (05–315)	Camshaft Position Sensor "A" Circuit High Input (Bank 1 or Single Sensor)	• Open or short in camshaft position sensor circuit • VVT sensor • ECM	○	○
P0345 (05–315)	Camshaft Position Sensor "A" Circuit Low Input (Bank 2)	• Open or short in VVT sensor circuit • VVT sensor • Camshaft timing pulley • Jumping teeth of timing chain • ECM	○	○
P0347 (05–315)	Camshaft Position Sensor "A" Circuit High Input (Bank 2)	• Open or short in camshaft position sensor circuit • VVT sensor • ECM	○	○
P0348 (05–315)	Camshaft Position Sensor "A" Circuit (Bank 2)	• Open or short in camshaft position sensor circuit • VVT sensor • ECM	○	○
P0351 (05–318)	Ignition Coil "A" Primary/Secondary Circuit	• Open or short in IGF 1 and IGT 1 circuit from No. 1 ignition coil with igniter to ECM • No. 1 ignition coil with igniter • Ignition system • ECM	○	○
P0352 (05–318)	Ignition Coil "B" Primary/Secondary Circuit	• Open or short in IGF 1 and IGT 2 circuit from No. 2 ignition coil with igniter to ECM • No. 2 ignition coil with igniter • Ignition system • ECM	○	○
P0353 (05–318)	Ignition Coil "C" Primary/Secondary Circuit	• Open or short in IGF 1 and IGT 3 circuit from No. 3 ignition coil with igniter to ECM • No. 3 ignition coil with igniter • Ignition system • ECM	○	○
P0354 (05–318)	Ignition Coil "D" Primary/Secondary Circuit	• Open or short in IGF 1 and IGT 4 circuit from No. 4 ignition coil with igniter to ECM • No. 4 ignition coil with igniter • Ignition system • ECM	○	○
P0355 (05–318)	Ignition Coil "E" Primary/Secondary Circuit	• Open or short in IGF 1 and IGT 5 circuit from No. 5 ignition coil with igniter to ECM • No. 5 ignition coil with igniter • Ignition system • ECM	○	○
P0356 (05–318)	Ignition Coil "F" Primary/Secondary Circuit	• Open or short in IGF 1 and IGT 6 circuit from No. 6 ignition coil with igniter to ECM • No. 6 ignition coil with igniter • Ignition system • ECM	○	○
P0420*2 (05–325)	Catalyst System Efficiency Below Threshold (Bank 1)	• Gas leakage on exhaust system • Heated oxygen sensor (bank 1 sensor 1, 2) • Three–way catalytic converter	○	○
P0430*2 (05–325)	Catalyst System Efficiency Below Threshold (Bank 2)	• Gas leakage on exhaust system • Heated oxygen sensor (bank 2 sensor 1, 2) • Three–way catalytic converter	○	○
P0443*2 (05–328)	Evaporative Emission Control System Purge Control Valve Circuit	• Open or short in VSV circuit for EVAP • VSV for EVAP • ECM	○	○

P0500 (05–331)	Vehicle Speed Sensor "A"	• Combination meter • Open or short in vehicle speed sensor circuit • Vehicle speed sensor • ECM	○	○
P0504 (05–334)	Brake Switch "A"/"B" Correlation	• Short in stop lamp switch signal circuit • STOP fuse • Stop lamp switch • ECM	–	○
P0505*2 (05–338)	Idle Air Control System	• Air induction system • Electric throttle control system • PCV hose connection	○	○
P0560 (05–340)	System Voltage	• Back–up power source circuit • EFI No. 1 fuse • ECM	○	○
P0604 (05–343)	Internal Control Module Random Access Memory (RAM) Error	• ECM	○	○
P0606 (05–343)	ECM/PCM Processor	• ECM	○	○
P0607 (05–343)	Control Module Performance	• ECM	○	○
P0617 (05–344)	Starter Relay Circuit High	• Park/neutral position switch • Starter relay circuit • Ignition switch • ECM	○	○
P0657 (05–343)	Actuator Supply Voltage Circuit/ Open	• ECM	○	○
P0660 (05–347)	Intake Manifold Tuning Valve Control Circuit;/Open (Bank 1)	• Open or short in VSV for ACIS circuit • VSV for ACIS • ECM	○	○
P0705 (05–1055)	Transmission Range Sensor Circuit Malfunction (PRNDL Input)	• Electronic Controlled Automatic Transaxle (ECT)	○	○
P0710 (05–1060)	Transmission Fluid Temperature Sensor "A" Circuit	• Electronic control automatic transmission (ECT)	○	○
P0711 (05–1064)	Transmission Fluid Temperature Sensor "A" Performance	• Electronic control automatic transmission (ECT)	○	○
P0712 (05–1060)	Transmission Fluid Temperature Sensor "A" Circuit Low Input	• Electronic control automatic transmission (ECT)	○	○
P0713 (05–1060)	Transmission Fluid Temperature Sensor "A" Circuit High Input	• Electronic control automatic transmission (ECT)	○	○
P0717 (05–1067)	Input/Turbine Speed Sensor "A" Circuit No Signal	• Electronic control automatic transmission (ECT)	○	○
P0722 (05–1071)	Output Speed Sensor Circuit No Signal	• Electronic control automatic transmission (ECT)	○	○
P0724 (05–1075)	Brake Switch "B" Circuit High	• Electronic control automatic transmission (ECT)	○	○
P0748 (05–1077)	Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1)	• Electronic control automatic transmission (ECT)	○	○
P0751 (05–1080)	Shift Solenoid "A" Performance (Shift Solenoid Valve S1)	• Electronic control automatic transmission (ECT)	○	○
P0756 (05–1083)	Shift Solenoid "B" Performance (Shift Solenoid Valve S2)	• Electronic control automatic transmission (ECT)	○	○

P0771*2 (05–1086)	Shift Solenoid "E" Performance (Shift Solenoid Valve SR)	• Electronic control automatic transmission (ECT)	○	○
P0776 (05–1090)	Pressure Control Solenoid "B" Performance (Shift Solenoid Valve SL2)	• Electronic control automatic transmission (ECT)	○	○
P0778 (05–1094)	Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2)	• Electronic control automatic transmission (ECT)	○	○
P0781 (05–1097)	1–2 Shift (1–2 Shift Valve)	• Electronic control automatic transmission (ECT)	○	○
P0818 (05–1100)	Driveline Disconnect Switch Input Circuit	• Electronic control automatic transmission (ECT)	○	○
P0973 (05–1104)	Shift Solenoid "A" Control Circuit Low (Shift solenoid Valve S1)	• Electronic control automatic transmission (ECT)	○	○
P0974 (05–1104)	Shift Solenoid "A" Control Circuit High (Shift solenoid Valve S1)	• Electronic control automatic transmission (ECT)	○	○
P0976 (05–1107)	Shift Solenoid "B" Control Circuit Low (Shift solenoid Valve S2)	• Electronic control automatic transmission (ECT)	○	○
P0977 (05–1107)	Shift Solenoid "B" Control Circuit High (Shift solenoid Valve S2)	• Electronic control automatic transmission (ECT)	○	○
P0985 (05–1110)	Shift Solenoid "E" Control Circuit Low (Shift Solenoid Valve SR)	• Electronic control automatic transmission (ECT)	○	○
P0986 (05–1110)	Shift Solenoid "E" Control Circuit High (Shift Solenoid Valve SR)	• Electronic control automatic transmission (ECT)	○	○
P2102 (05–352)	Throttle Actuator Control Motor Circuit Low	• Open in throttle control motor and sensor circuit • Throttle control motor and sensor • ECM	○	○
P2103 (05–352)	Throttle Actuator Control Motor Circuit High	• Short in throttle control motor and sensor circuit • Throttle control motor and sensor • Throttle valve • Throttle body • ECM	○	○
P2111 (05–354)	Throttle Actuator Control System – Stuck Open	• Throttle control motor and sensor circuit • Throttle control motor and sensor • Throttle valve • Throttle body	○	○
P2112 (05–354)	Throttle Actuator Control System – Stuck Closed	• Throttle control motor and sensor circuit • Throttle control motor and sensor • Throttle valve • Throttle body	○	○
P2118 (05–356)	Throttle Actuator Control Motor CurrentRange/Performance	• Open in throttle control motor and sensor power source circuit • ETCS fuse • ECM	○	○
P2119 (05–359)	Throttle Actuator Control Throttle BodyRange/Performance	• Electric throttle control system • Throttle body	○	○
P2120 (05–361)	Throttle/Pedal Position Sensor/ Switch "D" Circuit	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2121 (05–367)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Range/Performance	• Accelerator pedal position sensor	○	○

P2122 (05–361)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	• Open in accelerator pedal position sensor circuit • Accelerator pedal position sensor • VCPA circuit open • VPA circuit open or ground short • ECM	○	○
P2123 (05–361)	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	• Short in accelerator pedal position sensor circuit (+B circuit) • Accelerator pedal position sensor • EPA circuit open • ECM	○	○
P2125 (05–361)	Throttle/Pedal Position Sensor/ Switch "E" Circuit	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2127 (05–361)	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	• Open in accelerator pedal position sensor circuit • Accelerator pedal position sensor • VCP2 circuit open • VPA2 circuit open or ground short • ECM	○	○
P2128 (05–361)	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	• Short in accelerator pedal position sensor circuit (+B circuit) • Accelerator pedal position sensor • EPA circuit open • ECM	○	○
P2135 (05–265)	Throttle/Pedal Position Sensor/ Switch "A" / "B" Voltage Correlation	• Throttle control motor and sensor • VTA1 and VTA2 circuit are short–circuited • ECM	○	○
P2138 (05–361)	Throttle/Pedal Position Sensor/ Switch "D" / "E" Voltage Correlation	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • VPA and VPA2 circuit are short circuited • ECM	○	○
P2195*2 (05–369)	Oxygen (A/F) Sensor Signal Stuck Lean (Bank 1 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • Air induction system • Fuel pressure • Injector • ECM	○	○
P2196*2 (05–369)	Oxygen (A/F) Sensor Signal Stuck Rich (Bank 1 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • Air induction system • Fuel pressure • Injector • ECM	○	○
P2197*2 (05–369)	Oxygen (A/F) Sensor Signal Stuck Lean (Bank 2 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • Air induction system • Fuel pressure • Injector • ECM	○	○

P2198*2 (05–369)	Oxygen (A/F) Sensor Signal Stuck Rich (Bank 2 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • Air induction system • Fuel pressure • Injector • ECM	○	○
P2238 (05–380)	Oxygen Sensor Pumping Current Circuit Low (For A/F Sensor) (Bank 1 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2239 (05–380)	Oxygen Sensor Pumping Current Circuit High (For A/F Sensor) (Bank 1 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2241 (05–380)	Oxygen Sensor Pumping Current Circuit Low (For A/F Sensor) (Bank 2 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2242 (05–380)	Oxygen Sensor Pumping Current Circuit High (For A/F Sensor) (Bank 2 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2252 (05–380)	Oxygen Sensor Reference Ground Current Circuit Low (For A/F Sensor) (Bank 1 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2253 (05–380)	Oxygen Sensor Reference Current Circuit High (For A/F Sensor) (Bank 1 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2255 (05–380)	Oxygen Sensor Reference Ground Current Circuit Low (For A/F Sensor) (Bank 2 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2256 (05–380)	Oxygen Sensor Reference Current Circuit High (For A/F Sensor) (Bank 2 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • A/F Heater relay • A/F sensor heater and EFI relay circuits • ECM	○	○
P2714 (05–1113)	Pressure Control Solenoid "D" Performance (Shift Solenoid Valve SLT)	• Electronic control automatic transmission (ECT)	○	○

P2716 (05–1117)	Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT)	• Electronic control automatic transmission (ECT)	○	○
P2740 (05–1120)	Transmission Fluid Temperature Sensor "B" Circuit	• Electronic control automatic transmission (ECT)	○	○
P2742 (05–1120)	Transmission Fluid Temperature Sensor "B" Circuit Low Input	• Electronic control automatic transmission (ECT)	○	○
P2743 (05–1120)	Transmission Fluid Temperature Sensor "B" Circuit High Input	• Electronic control automatic transmission (ECT)	○	○
P2757*2 (05–1124)	Torque Converter clutch Pressure Control Solenoid Performance (Shift Solenoid Valve SLU)	• Electronic control automatic transmission (ECT)	○	○
P2759 (05–1129)	Torque Converter clutch Pressure Control Solenoid Electrical (Shift Solenoid Valve SLU)	• Electronic control automatic transmission (ECT)	○	○
P2772*2 (05–1132)	Transfer L4 SW Circuit	• Electronic control automatic transmission (ECT)	○	○
P2A00*2 (05–385)	A/F Sensor Circuit Slow Response (Bank 1 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • ECM	○	○
P2A03*2 (05–385)	A/F Sensor Circuit Slow Response (Bank 2 Sensor 1)	• Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • ECM	○	○

*1: Check engine warning (CHK ENG) light illuminates.
*2: European spec.