

DIAGNOSTIC TROUBLE CODE CHART

HINT:

The parameters listed in the chart are for reference only. Factors such as instrument type may cause readings to differ slightly from stated values.

If any DTCs are displayed during a check mode DTC check, check the circuit for the DTCs listed in the table below. For details of each DTC, refer to the page indicated.

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P0010 (05-63)	Camshaft Position "A" Actuator Circuit (Bank 1) [Camshaft Timing Oil Control Valve (Bank 1)]	<ul style="list-style-type: none"> • Open or short in Oil Control Valve (OCV) circuit • OCV • ECM 	○	○
P0011 (05-69)	Camshaft Position "A" –Timing Over – Advanced or System Performance (Bank 1) [Camshaft Timing Actuator locked at advance position (Bank 1)]	<ul style="list-style-type: none"> • Valve timing • OCV • OCV filter • VVT (Variable Valve Timing) controller assembly • ECM 	○	○
P0012 (05-69)	Camshaft Position "A" –Timing Over– Retarded (Bank 1) [Camshaft Timing Actuator locked at retard position (Bank 1)]	<ul style="list-style-type: none"> • Same as DTC P0011 	○	○
P0016 (05-79)	Crankshaft Position – Camshaft Position Correlation (Bank 1 Sensor A) [Camshaft position misalignment (Bank 1)]	<ul style="list-style-type: none"> • Mechanical system (Timing chain has jumped tooth or chain stretched) • ECM 	○	○
P0031 (05-81)	Oxygen (A/F) Sensor Heater Control Circuit Low (Bank 1 Sensor 1) [Air Fuel Ratio Sensor Heater low input (Bank 1 Sensor 1)]	<ul style="list-style-type: none"> • Open in Air–Fuel Ratio (A/F) sensor heater circuit • A/F sensor heater • EFI relay • ECM 	○	○
P0032 (05-81)	Oxygen (A/F) Sensor Heater Control Circuit High (Bank 1 Sensor 1) [Air Fuel Ratio Sensor Heater high input (Bank 1 Sensor 1)]	<ul style="list-style-type: none"> • Short in A/F sensor heater circuit • A/F sensor heater • EFI relay • ECM 	○	○
P0037 (05-86)	Oxygen Sensor Heater Control Circuit Low (Bank 1 Sensor 2) [Heated Oxygen Sensor Heater low input (Bank 1 Sensor 2)]	<ul style="list-style-type: none"> • Open in of Heated Oxygen (HO2) sensor heater circuit • HO2 sensor heater • EFI relay • ECM 	○	○
P0038 (05-86)	Oxygen Sensor Heater Control Circuit High (Bank 1 Sensor 2) [Heated Oxygen Sensor Heater high input (Bank 1 Sensor 2)]	<ul style="list-style-type: none"> • Short in HO2 sensor heater circuit • HO2 sensor heater • EFI relay • ECM 	○	○
P0100 (05-91)	Mass or volume Air Flow Circuit [Mass Air Flow Meter]	<ul style="list-style-type: none"> • Open or short in Mass Air Flow (MAF) meter circuit • MAF meter • ECM 	○	○
P0101 (05-98)	Mass or volume Air Flow Circuit Range/Performance Problem [Mass Air Flow Meter rationality]	<ul style="list-style-type: none"> • MAF meter 	○	○
P0102 (05-91)	Mass or volume Air Flow Circuit Low Input [Mass Air Flow Meter low input]	<ul style="list-style-type: none"> • Open in MAF meter circuit • MAF meter • ECM 	○	○
P0103 (05-91)	Mass or volume Air Flow Circuit High Input [Mass Air Flow Meter high input]	<ul style="list-style-type: none"> • Short in MAF meter circuit • MAF meter • ECM 	○	○

DIAGNOSTICS – SFI SYSTEM (2AZ-FE)

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P0110 (05-100)	Intake Air Temperature Circuit [Intake Air Temperature Sensor]	<ul style="list-style-type: none"> • Open or short in Intake Air Temperature (IAT) sensor circuit • IAT sensor (built into Mass Air Flow [MAF] meter) • ECM 	○	○
P0112 (05-100)	Intake Air Temperature Circuit Low Input [Intake Air Temperature Sensor low input]	<ul style="list-style-type: none"> • Short in IAT sensor circuit • IAT sensor (built into MAF meter) • ECM 	○	○
P0113 (05-100)	Intake Air Temperature Circuit High Input [Intake Air Temperature Sensor high input]	<ul style="list-style-type: none"> • Open in IAT sensor circuit • IAT sensor (built into MAF meter) • ECM 	○	○
P0115 (05-106)	Engine Coolant Temperature Circuit [Engine Coolant Temperature Sensor]	<ul style="list-style-type: none"> • Open or short in Engine Coolant Temperature (ECT) sensor circuit • ECT sensor • ECM 	○	○
P0116 (05-112)	Engine Coolant Temperature Circuit Range/Performance Problem [Engine Coolant Temperature Sensor rationality]	<ul style="list-style-type: none"> • ECT sensor 	○	○
P0117 (05-106)	Engine Coolant Temperature Circuit Low Input [Engine Coolant Temperature Sensor low input]	<ul style="list-style-type: none"> • Short in ECT sensor circuit • ECT sensor • ECM 	○	○
P0118 (05-106)	Engine Coolant Temperature Circuit High Input [Engine Coolant Temperature Sensor high input]	<ul style="list-style-type: none"> • Open in ECT sensor circuit • ECT sensor • ECM 	○	○
P0120 (05-114)	Throttle/Pedal Position Sensor/ Switch "A" Circuit [Throttle Position Sensor (Sensor 1)]	<ul style="list-style-type: none"> • Throttle Position (TP) sensor (built into throttle body) • ECM 	○	○
P0121 (05-124)	Throttle/Pedal Position Sensor/ Switch "A" Circuit Range/Perfor- mance Problem [Throttle Position Sensor rational- ity (Sensor 1)]	<ul style="list-style-type: none"> • TP sensor (built into throttle body) 	○	○
P0122 (05-114)	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low Input [Throttle Position Sensor low in- put (Sensor 1)]	<ul style="list-style-type: none"> • TP sensor (built into throttle body) • Short in VTA1 circuit • Open in VC circuit • ECM 	○	○
P0123 (05-114)	Throttle/Pedal Position Sensor/ Switch "A" Circuit High Input [Throttle Position Sensor high in- put (Sensor 1)]	<ul style="list-style-type: none"> • TP sensor (built into throttle body) • Open in VTA1 circuit • Open in E2 circuit • Short between VC and VTA1 circuits • ECM 	○	○
P0125 (05-126)	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ul style="list-style-type: none"> • Cooling system • ECT sensor • Thermostat 	○	○
P0128 (05-129)	Coolant Thermostat (Coolant Temperature Below Thermostat regulating temperature)	<ul style="list-style-type: none"> • Thermostat • Cooling system • ECT sensor • ECM 	○	○

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P0136 (05-132)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Open or short in Heated Oxygen (HO2) sensor (sensor 2) circuit • HO2 sensor (sensor 2) • HO2 sensor heater (sensor 2) • A/F sensor (sensor 1) • EFI relay • Gas leakage from exhaust system 	○	○
P0137 (05-132)	Oxygen Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Open in HO2 sensor (sensor 2) circuit • HO2 sensor (sensor 2) • HO2 sensor heater (sensor 2) • EFI relay • Gas leakage from exhaust system 	○	○
P0138 (05-132)	Oxygen Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ul style="list-style-type: none"> • Short in HO2 sensor (sensor 2) circuit • Short in HO2 sensor (sensor 2) • ECM internal circuit malfunction 	○	○
P0171 (05-156)	System too Lean (Bank 1)	<ul style="list-style-type: none"> • Air induction system • Injector blockage • Mass Air Flow (MAF) meter • Engine Coolant Temperature (ECT) sensor • Fuel pressure • Gas leakage from exhaust system • Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • EFI relay • A/F sensor heater and EFI relay circuits • PCV hose connections • PCV valve and hose • ECM 	○	○
P0172 (05-156)	System too Rich (Bank 1)	<ul style="list-style-type: none"> • Injector leakage or blockage • MAF meter • ECT sensor • Ignition system • Fuel pressure • Gas leakage from exhaust system • Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • EFI relay • A/F sensor heater and EFI relay circuits • ECM 	○	○
P0220 (05-114)	Throttle/Pedal Position Sensor/ Switch "B" Circuit [Throttle Position Sensor (Sensor 2)]	<ul style="list-style-type: none"> • Throttle Position (TP) sensor (built into throttle body) • ECM 	○	○
P0222 (05-114)	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low Input [Throttle Position Sensor low input (Sensor 2)]	<ul style="list-style-type: none"> • TP sensor (built into throttle body) • Short in VTA2 circuit • Open in VC circuit • ECM 	○	○
P0223 (05-114)	Throttle/Pedal Position Sensor/ Switch "B" Circuit High Input [Throttle Position Sensor high input (Sensor 2)]	<ul style="list-style-type: none"> • TP sensor (built into throttle body) • Open in VTA2 circuit • Open in E2 circuit • Short between VC and VTA2 circuits • ECM 	○	○

DIAGNOSTICS – SFI SYSTEM (2AZ-FE)

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P0300 (05-174)	Random/Multiple Cylinder Misfire Detected [Misfire (Multiple cylinder)]	<ul style="list-style-type: none"> • Open or short in engine wire harness • Connector connections • Vacuum hose connections • Ignition system • Injector • Fuel pressure • Mass Air Flow (MAF) meter • Engine Coolant Temperature (ECT) sensor • Compression pressure • Valve clearance • Valve timing • PCV hose connections • PCV valve and hose • ECM 	○*3	○
P0301 (05-174)	Cylinder 1 Misfire Detected [Misfire (Cylinder 1)]	• Same as DTC P0300	○*3	○
P0302 (05-174)	Cylinder 2 Misfire Detected [Misfire (Cylinder 2)]	• Same as DTC P0300	○*3	○
P0303 (05-174)	Cylinder 3 Misfire Detected [Misfire (Cylinder 3)]	• Same as DTC P0300	○*3	○
P0304 (05-174)	Cylinder 4 Misfire Detected [Misfire (Cylinder 4)]	• Same as DTC P0300	○*3	○
P0327 (05-187)	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor) [Knock Sensor low input (Bank 1)]	<ul style="list-style-type: none"> • Short in knock sensor circuit • Knock sensor • ECM 	○	○
P0328 (05-187)	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor) [Knock Sensor high input (Bank 1)]	<ul style="list-style-type: none"> • Open in knock sensor circuit • Knock sensor • ECM 	○	○
P0335 (05-191)	Crankshaft Position Sensor "A" Circuit [Crankshaft Position Sensor]	<ul style="list-style-type: none"> • Open or short in Crankshaft Position (CKP) sensor circuit • CKP sensor • Sensor plate (CKP sensor plate No. 1) • ECM 	○	○
P0339 (05-191)	Crankshaft Position Sensor "A" Circuit Intermittent [Crankshaft Position Sensor intermittent problem]	• Same as DTC P0335	–	○
P0340 (05-196)	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor) [Camshaft Position Sensor]	<ul style="list-style-type: none"> • Open or short in Camshaft Position (CMP) sensor circuit • CMP sensor • Camshaft • Timing chain has jumped tooth • ECM 	○	○
P0341 (05-196)	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Single Sensor) [Camshaft Position Sensor rationality]	• Same as DTC P0340	○	○
P0351*4 (05-200)	Ignition Coil "A" Primary/Secondary Circuit [Ignition Coil (Cylinder 1)]	<ul style="list-style-type: none"> • Ignition system • Open or short in IGF1 or IGT circuit (1 to 4) between ignition coil with igniter and ECM • No. 1 to No. 4 ignition coil with igniters • ECM 	○	○
P0352*4 (05-200)	Ignition Coil "B" Primary/Secondary Circuit [Ignition Coil (Cylinder 2)]	• Same as DTC P0351	○	○

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P0353*4 (05-200)	Ignition Coil "C" Primary/Secondary Circuit [Ignition Coil (Cylinder 3)]	• Same as DTC P0351	○	○
P0354*4 (05-200)	Ignition Coil "D" Primary/Secondary Circuit [Ignition Coil (Cylinder 4)]	• Same as DTC P0351	○	○
P0420 (05-209)	Catalyst System Efficiency Below Threshold (Bank 1)	• Gas leakage from exhaust system • A/F sensor (sensor 1) • Heated Oxygen (HO2) sensor (sensor 2) • Front exhaust pipe (Three-Way Catalytic Converter [TWC])	○	○
P043E (05-218)	Evaporate Emission System Reference Orifice Clog Up	• Pump module • Connector/Wire harness (Pump module – ECM) • ECM	○	○
P043F (05-218)	Evaporate Emission System Reference Orifice High Flow	• Pump module • Connector/Wire harness (Pump module – ECM) • ECM	○	○
P0441 (05-223)	Evaporative Emission Control System Incorrect Purge Flow [Evaporative Emissions Canister Purge Valve]	• Purge VSV • Purge VSV circuit (between purge VSV and ECM) • Leakage from EVAP line (between purge VSV and intake manifold) • EVAP line (between purge VSV and canister) clogged • ECM	○	○
P0450 (05-228)	Evaporative Emission Control System Pressure Sensor/Switch [Fuel Tank Pressure Sensor]	• Pump module (including pressure sensor) • ECM	○	○
P0451 (05-228)	Evaporative Emission Control System Pressure Sensor/Switch Range/Performance [Fuel Tank Pressure Sensor]	• Pump module (including pressure sensor) • Connector/Wire harness (between pump module and ECM) • ECM	○	○
P0452 (05-228)	Evaporative Emission Control System Pressure Sensor/Switch Low Input [Fuel Tank Pressure Sensor low input]	• Pump module (including pressure sensor) • Connector/Wire harness (between pump module and ECM) • ECM	○	○
P0453 (05-228)	Evaporative Emission Control System Pressure Sensor/Switch High Input [Fuel Tank Pressure Sensor high input]	• Pump module (include pressure sensor) • Connector/Wire harness (between pump module and ECM) • ECM	○	○
P0455 (05-237)	Evaporative Emission Control System Leak Detected (gross leak) [Evaporative Emissions gross leak]	• Fuel tank cap (loose) • Leakage from EVAP line (between canister and fuel tank) • Leakage from EVAP line (between purge VSV and canister) • Pump module • Leakage from fuel tank • Leakage from canister	○	○
P0456 (05-237)	Evaporative Emission Control System Leak Detected (very small leak) [Evaporative Emissions leak (0.02 inch in diameter)]	• Same as DTC P0455	○	○
P0500 (05-241)	Vehicle Speed Sensor "A" [Vehicle Speed Sensor]	• Combination meter • Open or short in speed sensor circuit • Vehicle speed sensor • ECM • Skid control ECU	○	○

DIAGNOSTICS – SFI SYSTEM (2AZ-FE)

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P0503 (05-241)	Vehicle Speed Sensor "A" Intermittent/Erratic/High	<ul style="list-style-type: none"> • Combination meter • Open or short in speed sensor circuit • Vehicle speed sensor • ECM • Skid control ECU 	—	○
P0504 (05-245)	Brake Switch "A"/"B" Correlation [Stop Light Switch rationality]	<ul style="list-style-type: none"> • Short in stop lamp switch signal circuit • STOP fuse • Stop lamp switch • ECM 	—	○
P0505 (05-252)	Idle Air Control System [Idle Speed Control function]	<ul style="list-style-type: none"> • ETCS (Electronic Throttle Control System) • Air induction system • PCV hose connections • ECM 	○	○
P0560 (05-255)	System Voltage [Engine Control Module power source]	<ul style="list-style-type: none"> • Open in back up power source circuit • EFI fuse • ECM 	○	○
P0571 (05-1044)	Brake Switch "A" Circuit	<ul style="list-style-type: none"> • Cruise control system 	○	○
P0604 (05-259)	Internal Control Module Random Access Memory (RAM) Error	<ul style="list-style-type: none"> • ECM 	○	○
P0606 (05-259)	ECM/PCM Processor	<ul style="list-style-type: none"> • ECM 	○	○
P0607 (05-259)	Control Module Performance	<ul style="list-style-type: none"> • ECM 	○	○
P0617 (05-261)	Starter Relay Circuit High	<ul style="list-style-type: none"> • Park/Neutral Position (PNP) switch (A/T) • Clutch start switch (M/T) • Starter relay circuit • Ignition switch • ECM 	○	○
P0630 (05-269)	VIN not Programmed or Mismatch – ECM/PCM	<ul style="list-style-type: none"> • ECM 	○	○
P0657 (05-259)	Actuator Supply Voltage Circuit / Open	<ul style="list-style-type: none"> • ECM 	○	○
P0705*5 (05-546)	Transmission Range Sensor Circuit Malfunction (PRNDL Input)	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0710*5 (05-552)	Transmission Fluid Temperature Sensor "A" Circuit	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0711*5 (05-557)	Transmission Fluid Temperature Sensor "A" Performance	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0712*5 (05-552)	Transmission Fluid Temperature Sensor "A" Circuit Low Input	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0713*5 (05-552)	Transmission Fluid Temperature Sensor "A" Circuit High Input	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0717*5 (05-561)	Input/Turbine Speed Sensor "A" Circuit No Signal	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0724 (05-564)	Brake Switch "B" Circuit High	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0741*5 (05-568)	Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve DSL)	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0746*5 (05-573)	Pressure Control Solenoid "A" Performance (Shift Solenoid Valve SL1)	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P0748*5 (05-577)	Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1)	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P0766*5 (05-580)	Shift Solenoid "D" Performance (Shift Solenoid Valve S4)	• Electronic Controlled Automatic Transaxle (ECT)	○	○
P0776*5 (05-584)	Pressure Control Solenoid "B" Performance (Shift Solenoid Valve SL2)	• Electronic Controlled Automatic Transaxle (ECT)	○	○
P0778*5 (05-588)	Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2)	• Electronic Controlled Automatic Transaxle (ECT)	○	○
P0793*5 (05-591)	Intermediate Shift Speed Sensor "A" Circuit No Signal	• Electronic Controlled Automatic Transaxle (ECT)	○	○
P0982*5 (05-595)	Shift Solenoid "D" Performance Control Circuit Low (Shift Sole- noid Valve S4)	• Electronic Controlled Automatic Transaxle (ECT)	○	○
P0983*5 (05-595)	Shift Solenoid "D" Performance Control Circuit High (Shift Sole- noid Valve S4)	• Electronic Controlled Automatic Transaxle (ECT)	○	○
P2102 (05-270)	Throttle Actuator Control Motor Circuit Low	• Open in throttle actuator circuit • Throttle actuator • ECM	○	○
P2103 (05-270)	Throttle Actuator Control Motor Circuit High	• Short in throttle actuator circuit • Throttle actuator • Throttle valve • Throttle body assembly • ECM	○	○
P2111 (05-274)	Throttle Actuator Control System - Stuck Open	• Throttle actuator • Throttle body assembly • Throttle valve	○	○
P2112 (05-274)	Throttle Actuator Control System - Stuck Closed	• Same as DTC P2111	○	○
P2118 (05-278)	Throttle actuator Control Motor Current Range/Performance [Electronic Throttle Control Sys- tem power source]	• Open in ETCS (Electronic Throttle Control System) power source circuit • ETCS fuse • ECM	○	○
P2119 (05-283)	Throttle Actuator Control Throttle Body Range/Performance [Electronic Throttle Control Sys- tem error]	• ETCS • ECM	○	○
P2120 (05-286)	Throttle/Pedal Position Sensor/ Switch "D" Circuit [Accelerator Pedal Position Sen- sor (Sensor 1)]	• Accelerator Pedal Position (APP) sensor • ECM	○	○
P2121 (05-297)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Range/Perfor- mance [Accelerator Pedal Position Sen- sor rationality (Sensor 1)]	• APP sensor • ECM	○	○
P2122 (05-286)	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input [Accelerator Pedal Position Sen- sor low input (Sensor 1)]	• APP sensor • Open in VCP1 circuit • Open or ground short VPA1 circuit • ECM	○	○
P2123 (05-286)	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input [Accelerator Pedal Position Sen- sor high input (Sensor 1)]	• APP sensor • Open in EPA circuit • ECM	○	○

DIAGNOSTICS - SFI SYSTEM (2AZ-FE)

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P2125 (05-286)	Throttle/Pedal Position Sensor/ Switch "E" Circuit [Accelerator Pedal Position Sen- sor (Sensor 2)]	<ul style="list-style-type: none"> • APP sensor • ECM 	○	○
P2127 (05-286)	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input [Accelerator Pedal Position Sen- sor low input (Sensor 2)]	<ul style="list-style-type: none"> • APP sensor • Open in VCP2 circuit • Open or ground short VPA2 circuit • ECM 	○	○
P2128 (05-286)	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input [Accelerator Pedal Position Sen- sor high input (Sensor 2)]	<ul style="list-style-type: none"> • APP sensor • Open in EPA2 circuit • ECM 	○	○
P2135 (05-114)	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correla- tion [Throttle Position Sensor mal- function]	<ul style="list-style-type: none"> • Short between VTA1 and VTA2 circuits • Throttle Position (TP) sensor (built into throttle body) • ECM 	○	○
P2138 (05-286)	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correla- tion [Accelerator Pedal Position Sen- sor malfunction]	<ul style="list-style-type: none"> • Short between VPA1 and VPA2 circuits • APP sensor • ECM 	○	○
P2195 (05-300)	Oxygen (A/F) Sensor Signal Stuck Lean (Bank 1 Sensor 1) [Air Fuel Ratio Sensor signal stuck Lean (Bank 1 Sensor 1)]	<ul style="list-style-type: none"> • Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • EFI relay • A/F sensor heater and EFI relay circuits • Air induction system • Fuel pressure • Injector • ECM 	○	○
P2196 (05-300)	Oxygen (A/F) Sensor Signal Stuck Rich (Bank 1 Sensor 1) [Air Fuel Ratio Sensor signal stuck Rich (Bank 1 Sensor 1)]	<ul style="list-style-type: none"> • Same as DTC P2195 	○	○
P2238 (05-314)	Oxygen Sensor Pumping Current Circuit Low (for A/F sensor) (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Open or short in A/F sensor circuit • A/F sensor • A/F sensor heater • EFI relay • A/F sensor heater and EFI relay circuits • ECM 	○	○
P2239 (05-314)	Oxygen Sensor Pumping Current Circuit High (for A/F sensor) (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Same as DTC P2238 	○	○
P2252 (05-314)	Oxygen Sensor Reference Ground Circuit Low (for A/F sen- sor) (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Same as DTC P2238 	○	○
P2253 (05-314)	Oxygen Sensor Reference Ground Circuit High (for A/F sen- sor) (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Same as DTC P2238 	○	○
P2401 (05-320)	Evaporative Emission System Leak Detection Pump Control Circuit Low	<ul style="list-style-type: none"> • Pump module • Connector/Wire harness (between pump module and ECM) • ECM 	○	○
P2402 (05-320)	Evaporative Emission System Leak Detection Pump Control Circuit High	<ul style="list-style-type: none"> • Pump module • Connector/Wire harness (between pump module and ECM) • ECM 	○	○

DTC No. (See Page)	Detection Items	Trouble Areas	MIL*1	Memory*2
P2419 (05-325)	Evaporate Emission System Switching Valve Control Circuit Low	<ul style="list-style-type: none"> • Pump module • Connector/Wire harness (between pump module and ECM) • ECM 	○	○
P2420 (05-325)	Evaporate Emission System Switching Valve Control Circuit High	<ul style="list-style-type: none"> • Pump module • Connector/Wire harness (between pump module and ECM) • ECM 	○	○
P2610 (05-330)	ECM/PCM Internal Engine Off Timer Performance	<ul style="list-style-type: none"> • ECM 	○	○
P2716*5 (05-598)	Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT)	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P2769*5 (05-602)	DSL Solenoid Circuit Low (Shift Solenoid Valve DSL)	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P2770*5 (05-602)	DSL Solenoid Circuit High (Shift Solenoid Valve DSL)	<ul style="list-style-type: none"> • Electronic Controlled Automatic Transaxle (ECT) 	○	○
P2A00 (05-332)	A/F Sensor Circuit Slow Re- sponse (Bank 1 Sensor 1)	<ul style="list-style-type: none"> • Open or short in A/F sensor (sensor 1) circuit • A/F sensor (sensor 1) • A/F sensor heater (sensor 1) • EFI relay • A/F sensor heater and EFI relay circuits • Air induction system • Fuel pressure • Injector • PCV valve and hose • PCV hose connection • ECM 	○	○
B2799 (05-1021)	Engine Immobilizer System Mal- function	<ul style="list-style-type: none"> • Immobilizer system 	-	○

HINT:

*1: "○"...MIL (Malfunction Indicator Lamp) is illuminated, "-"...MIL is not illuminated

*2: "○"...DTC is stored in the ECM

*3: MIL flashes when a catalyst damaged misfire is detected.

*4: Indicates a malfunction related to the primary circuit

*5: A/T (Automatic Transaxle) only