

- All OBD-II codes starting with P zero have standard meanings irrespective of vehicle make or model.

P0000 No fault found –

P0001 Fuel volume regulator control - circuit open Wiring, regulator control solenoid

P0002 Fuel volume regulator control - circuit range/performance Wiring, regulator control solenoid

P0003 Fuel volume regulator control - circuit low Wiring short to ground, regulator control solenoid

P0004 Fuel volume regulator control - circuit high Wiring open circuit/short to positive, regulator control solenoid

P0005 Fuel shut-off valve control - circuit open Wiring open circuit, fuel shut-off valve

P0006 Fuel shut-off valve control - circuit low Wiring short to ground, fuel shut-off valve

P0007 Fuel shut-off valve control - circuit high Wiring short to positive, fuel shut-off valve

P0008 Engine position system, bank 1 - performance Mechanical fault

P0009 Engine position system, bank 2 - performance Mechanical fault

P0010 Camshaft position (CMP) actuator, intake/left/front, bank 1 - circuit malfunction Wiring, CMP actuator, ECM

P0011 Camshaft position (CMP), intake/left/front, bank 1 - timing over-advanced/system performance Valve timing, engine mechanical fault, CMP actuator

P0012 Camshaft position (CMP), intake/left/front, bank 1 - timing over-retarded Valve timing, engine mechanical fault, CMP actuator

P0013 Camshaft position (CMP) actuator, intake/left/front, bank 1 - circuit malfunction Wiring, CMP actuator, ECM

P0014 Camshaft position (CMP) actuator, exhaust/right/rear, bank 1 - timing over-advanced/system performance Valve timing, engine mechanical fault, CMP actuator

P0015 Camshaft position (CMP) actuator, exhaust/right/rear, bank 1 - timing over-retarded Valve timing, engine mechanical fault, CMP actuator

P0016 Crankshaft position/camshaft position, bank 1 sensor A - correlation Wiring, CKP sensor, CMP sensor, mechanical fault

P0017 Crankshaft position/camshaft position, bank 1 sensor B - correlation Wiring, CKP sensor, CMP sensor, mechanical fault

P0018 Crankshaft position/camshaft position, bank 2 sensor A - correlation Wiring, CKP sensor, CMP sensor, mechanical fault

P0019 Crankshaft position/camshaft position, bank 2 sensor B - correlation Wiring, CKP sensor, CMP sensor, mechanical fault

P0020 Camshaft position (CMP) actuator, intake/left/front, bank 2 - circuit malfunction Wiring, CMP actuator, ECM

P0021 Camshaft position (CMP), intake/left/front, bank 2 - timing over-advanced/system performance Valve timing, engine mechanical fault, CMP actuator

P0022 Camshaft position (CMP), intake/left/front, bank 2 - timing over-retarded Valve timing, engine mechanical fault, CMP actuator

P0023 Camshaft position (CMP) actuator, exhaust/right/rear, bank 2 - circuit malfunction Wiring, CMP actuator, ECM

P0024 Camshaft position (CMP), exhaust/right/rear, bank 2 - timing over-advanced/system performance Valve timing, engine mechanical fault, CMP actuator

P0025 Camshaft position (CMP), exhaust/right/rear, bank 2 - timing over-retarded Valve timing, engine mechanical fault, CMP actuator

P0026 Intake valve control solenoid circuit, bank 1 - range/performance Wiring, intake valve control solenoid

P0027 Exhaust valve control solenoid circuit, bank 1 - range/performance Wiring, exhaust valve control solenoid

P0028 Intake valve control solenoid circuit, bank 2 - range/performance Wiring, intake valve control solenoid

P0029 Exhaust valve control solenoid circuit, bank 2 - range/performance Wiring, exhaust valve control solenoid  
P0030 Heated oxygen sensor (HO2S) 1, bank 1, heater control - circuit malfunction Wiring, HO2S, ECM  
P0031 Heated oxygen sensor (HO2S) 1, bank 1, heater control - circuit low Wiring short to ground, HO2S, ECM  
P0032 Heated oxygen sensor (HO2S) 1, bank 1, heater control - circuit high Wiring short to positive, HO2S, ECM  
P0033 Turbocharger (TC) wastegate regulating valve - circuit malfunction Wiring, TC wastegate regulating valve, ECM  
P0034 Turbocharger (TC) wastegate regulating valve - circuit low Wiring short to ground, TC wastegate regulating valve, ECM  
P0035 Turbocharger (TC) wastegate regulating valve - circuit high Wiring short to positive, TC wastegate regulating valve, ECM  
P0036 Heated oxygen sensor (HO2S) 2, bank 1, heater control - circuit malfunction Wiring, HO2S, ECM  
P0037 Heated oxygen sensor (HO2S) 2, bank 1, heater control - circuit low Wiring short to ground, HO2S, ECM  
P0038 Heated oxygen sensor (HO2S) 2, bank 1, heater control - circuit high Wiring short to positive, HO2S, ECM  
P0039 Turbo/super charger bypass valve, control circuit- range/performance Wiring, bypass valve  
P0040 Oxygen sensor signals swapped, bank 1 sensor 1/bank 2 sensor 1 Wiring  
P0041 Oxygen sensor signals swapped, bank 1 sensor 2/bank 2 sensor 2 Wiring  
P0042 Heated oxygen sensor (HO2S) 3, bank 1, heater control - circuit malfunction Wiring, HO2S, ECM  
P0043 Heated oxygen sensor (HO2S) 3, bank 1, heater control - circuit low Wiring short to ground, HO2S, ECM  
P0044 Heated oxygen sensor (HO2S) 3, bank 1, heater control - circuit high Wiring short to positive, HO2S, ECM  
P0045 Turbo/super charger boost control solenoid - circuit open Wiring, boost control solenoid  
P0046 Turbo/super charger boost control solenoid - circuit range/performance Wiring, boost control solenoid, mechanical fault  
P0047 Turbo/super charger boost control solenoid - circuit low Wiring short to ground, boost control solenoid  
P0048 Turbo/super charger boost control solenoid - circuit high Wiring short to positive, boost control solenoid  
P0049 Turbo/super charger turbine - over-speed Mechanical fault  
P0050 Heated oxygen sensor (HO2S) 1, bank 2, heater control - circuit malfunction Wiring, HO2S, ECM  
P0051 Heated oxygen sensor (HO2S) 1, bank 2, heater control - circuit low Wiring short to ground, HO2S, ECM  
P0052 Heated oxygen sensor (HO2S) 1, bank 2, heater control - circuit high Wiring short to positive, HO2S, ECM  
P0053 Heated oxygen sensor (HO2S), bank 1, sensor 1 - heater resistance Wiring, HO2S  
P0054 Heated oxygen sensor (HO2S), bank 1, sensor 2 - heater resistance Wiring, HO2S  
P0055 Heated oxygen sensor (HO2S), bank 1, sensor 3 - heater resistance Wiring, HO2S  
P0056 Heated oxygen sensor (HO2S) 2, bank 2, heater control - circuit malfunction Wiring, HO2S, ECM  
P0057 Heated oxygen sensor (HO2S) 2, bank 2, heater control - heater circuit low Wiring short to ground, HO2S, ECM  
P0058 Heated oxygen sensor (HO2S) 2, bank 2, heater control - circuit high Wiring short to positive, HO2S, ECM  
P0059 Heated oxygen sensor (HO2S), bank 2, sensor 1 - heater resistance Wiring, HO2S  
P0060 Heated oxygen sensor (HO2S), bank 2, sensor 2 - heater resistance Wiring, HO2S  
P0061 Heated oxygen sensor (HO2S), bank 2, sensor 3 - heater resistance Wiring, HO2S  
P0062 Heated oxygen sensor (HO2S) 3, bank 2, heater control - circuit malfunction Wiring, HO2S, ECM  
P0063 Heated oxygen sensor (HO2S) 3, bank 2, heater control - circuit low Wiring short to ground, HO2S, ECM  
P0064 Heated oxygen sensor (HO2S) 3, bank 2, heater control - circuit high Wiring short to positive, HO2S, ECM  
P0065 Air assisted injector - range/performance problem Air assisted injector  
P0066 Air assisted injector - circuit malfunction/circuit low Wiring short to ground, air assisted injector, ECM

P0067 Air assisted injector - circuit high Wiring short to positive, air assisted injector, ECM

P0068 Manifold pressure (MAP) sensor/Mass air flow (MAF) sensor - throttle position correlation Wiring, MAP sensor, MAF sensor, mechanical fault

P0069 Manifold pressure (MAP) sensor - barometric pressure correlation MAF sensor, mechanical fault

P0070 Outside air temperature sensor - circuit malfunction Wiring, outside air temperature sensor, ECM

P0071 Outside air temperature sensor - range/performance problem Outside air temperature sensor

P0072 Outside air temperature sensor - low input Wiring, short to ground, outside air temperature sensor, ECM

P0073 Outside air temperature sensor - high input Wiring, short to positive, outside air temperature sensor, ECM

P0074 Outside air temperature sensor - circuit intermittent Wiring, poor connection, outside air temperature sensor, ECM

P0075 Intake valve control solenoid, bank 1 - circuit malfunction Wiring, intake valve control solenoid, ECM

P0076 Intake valve control solenoid, bank 1 - circuit low Wiring short to ground, intake valve control solenoid, ECM

P0077 Intake valve control solenoid, bank 1 - circuit high Wiring short to positive, intake valve control solenoid, ECM

P0078 Exhaust valve control solenoid, bank 1 - circuit malfunction Wiring, exhaust valve control solenoid, ECM

P0079 Exhaust valve control solenoid, bank 1 - circuit low Wiring short to ground, exhaust valve control solenoid, ECM

P0080 Exhaust valve control solenoid, bank 1 - circuit high Wiring short to positive, exhaust valve control solenoid, ECM

P0081 Intake valve control solenoid, bank 2 - circuit malfunction Wiring, intake valve control solenoid, ECM

P0082 Intake valve control solenoid, bank 2 - circuit low Wiring short to ground, intake valve control solenoid, ECM

P0083 Intake valve control solenoid, bank 2 - circuit high Wiring short to positive, intake valve control solenoid, ECM

P0084 Exhaust valve control solenoid, bank 2 - circuit malfunction Wiring, exhaust valve control solenoid, ECM

P0085 Exhaust valve control solenoid, bank 2 - circuit low Wiring short to ground, exhaust valve control solenoid, ECM

P0086 Exhaust valve control solenoid, bank 2 - circuit high Wiring short to positive, exhaust valve control solenoid, ECM

P0087 Fuel rail/system pressure - too low Fuel pump, fuel pressure regulator, fuel supply pipe blockage, mechanical fault

P0088 Fuel rail/system pressure - too high Fuel pump, fuel pressure regulator, fuel return pipe blockage, mechanical fault

P0089 Fuel pressure regulator - performance problem Fuel pressure regulator, mechanical fault

P0090 Fuel metering solenoid - open circuit Wiring open circuit, fuel metering solenoid, ECM

P0091 Fuel metering solenoid - short to ground Wiring short to ground, fuel metering solenoid, ECM

P0092 Fuel metering solenoid - short to positive Wiring short to positive, fuel metering solenoid, ECM

P0093 Fuel system leak detected - large leak Wiring, fuel pressure sensor, mechanical fault

P0094 Fuel system leak detected - small leak Wiring, fuel pressure sensor, mechanical fault

P0095 Intake air temperature (IAT) sensor 2 - circuit malfunction Wiring, poor connection, IAT sensor, ECM

P0096 Intake air temperature (IAT) sensor 2 - circuit range/performance Wiring, poor connection, IAT sensor, ECM 37

P0097 Intake air temperature (IAT) sensor 2 - circuit low input Wiring short to ground, IAT sensor, ECM

P0098 Intake air temperature (IAT) sensor 2 - circuit high input Wiring short to positive, IAT sensor, ECM

P0099 Intake air temperature (IAT) sensor 2 - circuit intermittent/erratic Wiring, poor connection, IAT sensor, ECM

P0100 Mass air flow (MAF) sensor/volume air flow (VAF) sensor - circuit malfunction Wiring, MAF/VAF sensor, ECM

P0101 Mass air flow (MAF) sensor/volume air flow (VAF) sensor - range/performance problem Intake leak/blockage, MAF/VAF sensor

P0102 Mass air flow (MAF) sensor/volume air flow (VAF) sensor - low input Wiring short to ground, MAF/VAF sensor, ECM

P0103 Mass air flow (MAF) sensor/volume air flow (VAF) sensor - high input Wiring short to positive, MAF/VAF sensor, ECM

P0104 Mass air flow (MAF) sensor/volume air flow (VAF) sensor - circuit intermittent Wiring, poor connection, MAF/VAF sensor, ECM

P0105 Manifold absolute pressure (MAP) sensor/barometric pressure (BARO) sensor - circuit malfunction Wiring, MAP sensor, BARO sensor, ECM

P0106 Manifold absolute pressure (MAP) sensor/barometric pressure (BARO) sensor - range/performance problem Intake/exhaust leak, wiring, MAP sensor, BARO sensor

P0107 Manifold absolute pressure (MAP) sensor/barometric pressure (BARO) sensor - low input Wiring short to ground, MAP sensor, BARO sensor, ECM

P0108 Manifold absolute pressure (MAP) sensor/barometric pressure (BARO) sensor - high input Wiring short to positive, MAP sensor, BARO sensor, ECM

P0109 Manifold absolute pressure (MAP) sensor/barometric pressure (BARO) sensor - circuit intermittent Wiring, poor connection, MAP sensor, BARO sensor, ECM

P0110 Intake air temperature (IAT) sensor - circuit malfunction Wiring, IAT sensor, ECM

P0111 Intake air temperature (IAT) sensor - range/performance problem IAT sensor

P0112 Intake air temperature (IAT) sensor - low input Wiring short to ground, IAT sensor, ECM

P0113 Intake air temperature (IAT) sensor - high input Wiring open circuit/short to positive, ground wire defective IAT sensor, ECM

P0114 Intake air temperature (IAT) sensor - circuit intermittent Wiring, poor connection, IAT sensor, ECM

P0115 Engine coolant temperature (ECT) sensor - circuit malfunction Wiring, ECT sensor, ECM

P0116 Engine coolant temperature (ECT) sensor - range/performance problem Coolant thermostat, poor connection, wiring, ECT sensor

P0117 Engine coolant temperature (ECT) sensor - low input Coolant thermostat, wiring short to ground, ECT sensor

P0118 Engine coolant temperature (ECT) sensor - high input Coolant thermostat, wiring open circuit/short to positive, ground wire defective, ECT sensor

P0119 Engine coolant temperature (ECT) sensor - circuit intermittent Wiring, poor connection, ECT sensor, ECM

P0120 Throttle position (TP) sensor A/accelerator pedal position (APP) sensor A - circuit malfunction Wiring TP/APP sensor, ECM

Throttle position (TP) switch A/accelerator pedal position (APP) switch A - circuit malfunction Wiring, TP/APP switch, ECM

P0121 Throttle position (TP) sensor A/accelerator pedal position (APP) sensor A - range/performance problem Accelerator cable adjustment, TP/APP sensor Throttle position (TP) switch A/accelerator pedal position (APP) switch A - range/performance problem Accelerator cable adjustment, TP/APP switch

P0122 Throttle position (TP) sensor A/accelerator pedal position (APP) sensor A - low input Wiring short to ground, TP/APP sensor, ECM Throttle position (TP) switch A/accelerator pedal position (APP) switch A - low input Wiring short to ground, TP/APP switch, ECM

P0123 Throttle position (TP) sensor A/accelerator pedal position (APP) sensor A - high input Wiring short to positive, TP/APP sensor, ECM Throttle position (TP) switch A/accelerator pedal position (APP) switch A - high input Wiring short to positive, TP/APP switch, ECM

P0124 Throttle position (TP) sensor A/accelerator pedal position (APP) sensor A - circuit intermittent Wiring, poor connection, TP/APP sensor, ECM Throttle position (TP) switch A/accelerator pedal position (APP) switch A - circuit intermittent Wiring, poor connection, TP/APP switch, ECM

P0125 Insufficient coolant temperature for closed loop fuel control Wiring, cooling system, coolant thermostat, ECT sensor

P0126 Insufficient coolant temperature for stable operation Wiring, cooling system, coolant thermostat, ECT sensor

P0127 Intake air temperature - too high Wiring short to ground, IAT sensor 2, mechanical fault, ECM

P0128 Coolant thermostat - coolant temp below thermostat regulating temperature Mechanical fault

P0129 Barometric pressure - too low Wiring, BARO sensor, mechanical fault

P0130 Heated oxygen sensor (HO2S) 1, bank 1 - circuit malfunction Heating inoperative, poor connection, wiring, HO2S Oxygen sensor (O2S) 1, bank 1 - circuit malfunction Wiring, O2S, ECM

P0131 Heated oxygen sensor (HO2S) 1, bank 1 - low voltage Exhaust leak, wiring short to ground, HO2S, ECM Oxygen sensor (O2S) 1, bank 1 - low voltage Exhaust leak, wiring short to ground, O2S, ECM

P0132 Heated oxygen sensor (HO2S) 1, bank 1 - high voltage Wiring short to positive, HO2S, ECM Oxygen sensor (O2S) 1, bank 1 - high voltage Wiring short to positive, O2S, ECM

P0133 Heated oxygen sensor (HO2S) 1, bank 1 - slow response Heating inoperative, wiring, HO2S Oxygen sensor (O2S) 1, bank 1 - slow response Wiring, O2S

P0134 Heated oxygen sensor (HO2S) 1, bank 1 - no activity detected Wiring open circuit, heating inoperative, HO2S Oxygen sensor (O2S) 1, bank 1 - no activity detected Wiring, O2S

P0135 Heated oxygen sensor (HO2S) 1, bank 1, heater control - circuit malfunction Fuse, wiring, HO2S, ECM

P0136 Heated oxygen sensor (HO2S) 2, bank 1 - circuit malfunction Heating inoperative, wiring, HO2S, ECM Oxygen sensor (O2S) 2, bank 1 - circuit malfunction Wiring, O2S, ECM

P0137 Heated oxygen sensor (HO2S) 2, bank 1 - low voltage Exhaust leak, wiring short to ground, HO2S, ECM Oxygen sensor (O2S) 2, bank 1 - low voltage Exhaust leak, wiring short to ground, O2S, ECM

P0138 Heated oxygen sensor (HO2S) 2, bank 1 - high voltage Wiring short to positive, HO2S, ECM Oxygen sensor (O2S) 2, bank 1 - high voltage Wiring short to positive, O2S, ECM

P0139 Heated oxygen sensor (HO2S) 2, bank 1 - slow response Heating inoperative, wiring, HO2S Oxygen sensor (O2S) 2, bank 1 - slow response Wiring, O2S

P0140 Heated oxygen sensor (HO2S) 2, bank 1 - no activity detected Wiring, heating inoperative, HO2S, ECM Oxygen sensor (O2S) 2, bank 1 - no activity detected Wiring, O2S, ECM

P0141 Heated oxygen sensor (HO2S) 2, bank 1, heater control - circuit malfunction Wiring, HO2S, ECM

P0142 Heated oxygen sensor (HO2S) 3, bank 1 - circuit malfunction Wiring, HO2S, ECM

P0143 Heated oxygen sensor (HO2S) 3, bank 1 - low voltage Exhaust leak, wiring short to ground, HO2S, ECM Oxygen sensor (O2S) 3, bank 1 - low voltage Exhaust leak, wiring short to ground, O2S, ECM

P0144 Heated oxygen sensor (HO2S) 3, bank 1 - high voltage Wiring short to positive, HO2S, ECM Oxygen sensor (O2S) 3, bank 1 - high voltage Wiring short to positive, O2S, ECM

P0145 Heated oxygen sensor (HO2S) 3, bank 1 - slow response Heating inoperative, wiring, HO2S Oxygen sensor (O2S) 3, bank 1 - slow response Wiring, O2S

P0146 Heated oxygen sensor (HO2S) 3, bank 1 - no activity detected Wiring, HO2S, ECM Oxygen sensor (O2S) 3, bank 1 - no activity detected Wiring, O2S, ECM

P0147 Heated oxygen sensor (HO2S) 3, bank 1, heater control - circuit malfunction Wiring, HO2S, ECM

P0148 Fuel delivery error Fuel pump/fuel injection pump

P0149 Fuel timing error Fuel pump/fuel injection pump

P0150 Heated oxygen sensor (HO2S) 1, bank 2 - circuit malfunction Wiring, HO2S, ECM Oxygen sensor (O2S) 1, bank 2 - circuit malfunction Wiring, O2S, ECM

P0151 Heated oxygen sensor (HO2S) 1, bank 2 - low voltage Exhaust leak, wiring short to ground, HO2S, ECM Oxygen sensor (O2S) 1, bank 2 - low voltage Exhaust leak, wiring short to ground, O2S, ECM

P0152 Heated oxygen sensor (HO2S) 1, bank 2 - high voltage Wiring short to positive, HO2S, ECM Oxygen sensor (O2S) 1, bank 2 - high voltage Wiring short to positive, O2S, ECM

P0153 Heated oxygen sensor (HO2S) 1, bank 2 - slow response Heating inoperative, wiring, HO2S Oxygen sensor (O2S) 1, bank 2 - slow response Wiring, O2S

P0154 Heated oxygen sensor (HO2S) 1, bank 2 - no activity detected Wiring, HO2S, ECM Oxygen sensor (O2S) 1, bank 2 - no activity detected Wiring, O2S, ECM

P0155 Heated oxygen sensor (HO2S) 1, bank 2, heater control - circuit malfunction Wiring, HO2S, ECM

P0156 Heated oxygen sensor (HO2S) 2, bank 2 - circuit malfunction Heating inoperative, wiring, HO2S, ECM Oxygen sensor (O2S) 2, bank 2 - circuit malfunction Wiring, O2S, ECM

P0157 Heated oxygen sensor (HO2S) 2, bank 2 - low voltage Exhaust leak, wiring short to ground, HO2S, ECM Oxygen sensor (O2S) 2, bank 2 - low voltage Exhaust leak, wiring short to ground, O2S, ECM

P0158 Heated oxygen sensor (HO2S) 2, bank 2 - high voltage Wiring short to positive, HO2S, ECM Oxygen sensor (O2S) 2, bank 2 - high voltage Wiring short to positive, O2S, ECM

P0159 Heated oxygen sensor (HO2S) 2, bank 2 - slow response Heating inoperative, wiring, HO2S Oxygen sensor (O2S) 2, bank 2 - slow response Wiring, O2S

P0160 Heated oxygen sensor (HO2S) 2, bank 2 - no activity detected Wiring, HO2S, ECM Oxygen sensor (O2S) 2, bank 2 - no activity detected Wiring, O2S, ECM

P0161 Heated oxygen sensor (HO2S) 2, bank 2, heater control - circuit malfunction Wiring, HO2S, ECM

P0162 Heated oxygen sensor (HO2S) 3, bank 2 - circuit malfunction Wiring, HO2S, ECM Oxygen sensor (O2S) 3, bank 2 - circuit malfunction Wiring, O2S, ECM

P0163 Heated oxygen sensor (HO2S) 3, bank 2 - low voltage Exhaust leak, wiring short to ground, HO2S, ECM Oxygen sensor (O2S) 3, bank 2 - low voltage Exhaust leak, wiring short to ground, O2S, ECM

P0164 Heated oxygen sensor (HO2S) 3, bank 2 - high voltage Wiring short to positive, HO2S, ECM Oxygen sensor (O2S) 3, bank 2 - high voltage Wiring short to positive, O2S, ECM

P0165 Heated oxygen sensor (HO2S) 3, bank 2 - slow response Heating inoperative, wiring, HO2S Oxygen sensor (O2S) 3, bank 2 - slow response Wiring, O2S

P0166 Heated oxygen sensor (HO2S) 3, bank 2 - no activity detected Wiring, HO2S, ECM Oxygen sensor (O2S) 3, bank 2 - no activity detected Wiring, O2S, ECM

P0167 Heated oxygen sensor (HO2S) 3, bank 2, heater control - circuit malfunction Wiring, HO2S, ECM

P0168 Fuel temperature - too high Wiring, fuel temperature sensor, mechanical fault

P0169 Incorrect fuel composition Wiring, fuel temperature sensor, mechanical fault

P0170 Fuel trim (FT), bank 1 - malfunction Intake leak, AIR system, fuel pressure/pump, injector(s), EVAP canister purge valve, HO2S

P0171 System too lean, bank 1 Intake/exhaust leak, AIR system, MAF/VAF sensor, fuel pressure/pump, injector(s), HO2S

P0172 System too rich, bank 1 Intake blocked, EVAP canister purge valve, fuel pressure, EGR system, injector(s), HO2S

P0173 Fuel trim (FT), bank 2 - malfunction Intake leak, AIR system, fuel pressure/pump, injector(s), EVAP canister purge valve, HO2S

P0174 System too lean, bank 2 Intake/exhaust leak, fuel pressure/pump, injector(s), AIR system, hose connection(s)

P0175 System too rich, bank 2 Intake blocked, EVAP canister purge valve, fuel pressure, EGR system, injector(s), HO2S

P0176 Fuel composition sensor - circuit malfunction Wiring, fuel composition sensor, ECM

P0177 Fuel composition sensor - range/performance problem Fuel composition sensor

P0178 Fuel composition sensor - low input Wiring short to ground, fuel composition sensor, ECM

P0179 Fuel composition sensor - high input Wiring short to positive, fuel composition sensor, ECM

P0180 Fuel temperature sensor A - circuit malfunction Wiring, fuel temperature sensor, ECM

P0181 Fuel temperature sensor A - range/performance problem Fuel temperature sensor

P0182 Fuel temperature sensor A - low input Wiring short to ground, fuel temperature sensor, ECM

P0183 Fuel temperature sensor A - high input Wiring short to positive, fuel temperature sensor, ECM

P0184 Fuel temperature sensor A - circuit intermittent Wiring, poor connection, fuel temperature sensor, ECM

P0185 Fuel temperature sensor B - circuit malfunction Wiring, fuel temperature sensor, ECM

P0186 Fuel temperature sensor B - range/performance problem Fuel temperature sensor

P0187 Fuel temperature sensor B - low input Wiring short to ground, fuel temperature sensor, ECM

P0188 Fuel temperature sensor B - high input Wiring short to positive, fuel temperature sensor, ECM

P0189 Fuel temperature sensor B - circuit intermittent Wiring, poor connection, fuel temperature sensor, ECM

P0190 Fuel rail pressure (FRP) sensor - circuit malfunction Wiring, fuel rail pressure sensor, ECM

P0191 Fuel rail pressure (FRP) sensor - range/performance problem Wiring, FRP sensor

P0192 Fuel rail pressure (FRP) sensor - low input Wiring short to ground, FRP sensor

P0193 Fuel rail pressure (FRP) sensor - high input Wiring short to positive, FRP sensor

P0194 Fuel rail pressure (FRP) sensor - circuit intermittent Wiring, poor connection, FRP sensor

P0195 Engine oil temperature (EOT) sensor - circuit malfunction Wiring, EOT sensor, ECM

P0196 Engine oil temperature (EOT) sensor - range/performance problem EOT sensor

P0197 Engine oil temperature (EOT) sensor - low input Wiring short to ground, EOT sensor

P0198 Engine oil temperature (EOT) sensor - high input Wiring short to positive, EOT sensor

P0199 Engine oil temperature (EOT) sensor - circuit intermittent Wiring, poor connection, EOT sensor, ECM

P0200 Injector - circuit malfunction Wiring, injector, ECM

P0201 Injector 1 - circuit malfunction Wiring, injector, ECM

P0202 Injector 2 - circuit malfunction Wiring, injector, ECM

P0203 Injector 3 - circuit malfunction Wiring, injector, ECM

P0204 Injector 4 - circuit malfunction Wiring, injector, ECM

P0205 Injector 5 - circuit malfunction Wiring, injector, ECM

P0206 Injector 6 - circuit malfunction Wiring, injector, ECM

P0207 Injector 7 - circuit malfunction Wiring, injector, ECM

P0208 Injector 8 - circuit malfunction Wiring, injector, ECM

P0209 Injector 9 - circuit malfunction Wiring, injector, ECM  
P0210 Injector 10 - circuit malfunction Wiring, injector, ECM  
P0211 Injector 11 - circuit malfunction Wiring, injector, ECM  
P0212 Injector 12 - circuit malfunction Wiring, injector, ECM  
P0213 Cold start injector 1 - circuit malfunction Wiring, cold start injector, ECM  
P0214 Cold start injector 2 - circuit malfunction Wiring, cold start injector, ECM  
P0215 Fuel shut-off solenoid - circuit malfunction Wiring, fuel shut-off solenoid, ECM  
P0216 Fuel injection timing control - circuit malfunction Wiring, fuel injection timing control solenoid, ECM  
P0217 Engine over temperature condition Wiring, cooling system, coolant thermostat, ECT sensor  
P0218 Transmission over temperature condition Wiring, TFT sensor, ECM  
P0219 Engine over speed condition Incorrect gear change  
P0220 Throttle position (TP) sensor B/accelerator pedal position (APP) sensor B - circuit malfunction Wiring, TP/APP sensor, ECM  
Throttle position (TP) switch B/accelerator pedal position (APP) switch B - circuit malfunction Wiring, TP/APP switch, ECM  
P0221 Throttle position (TP) sensor B/accelerator pedal position (APP) sensor B - range/performance problem Accelerator cable adjustment, TP/APP sensor Throttle position (TP) switch B/accelerator pedal position (APP) switch B - range/performance problem Accelerator cable adjustment, TP/APP switch  
P0222 Throttle position (TP) sensor B/accelerator pedal position (APP) sensor B - low input Wiring short to ground, TP/APP sensor, ECM Throttle position (TP) switch B/accelerator pedal position (APP) switch B - low input Wiring short to ground, TP/APP switch, ECM  
P0223 Throttle position (TP) sensor B/accelerator pedal position (APP) sensor B - high input Wiring short to positive, TP/APP sensor, ECM Throttle position (TP) switch B/accelerator pedal position (APP) switch B - high input Wiring short to positive, TP/APP switch, ECM  
P0224 Throttle position (TP) sensor B/accelerator pedal position (APP) sensor B - circuit intermittent Wiring, poor connection, TP/APP sensor, ECM Throttle position (TP) switch B/accelerator pedal position (APP) switch B - circuit intermittent Wiring, poor connection, TP/APP switch, ECM  
P0225 Throttle position (TP) sensor C/accelerator pedal position (APP) sensor C - circuit malfunction Wiring, TP/APP sensor, ECM Throttle position (TP) switch C/accelerator pedal position (APP) switch C - circuit malfunction Wiring, TP/APP switch, ECM  
P0226 Throttle position (TP) sensor C/accelerator pedal position (APP) sensor C - range/performance problem Accelerator cable adjustment, TP/APP sensor Throttle position (TP) switch C/accelerator pedal position (APP) switch C - range/performance problem Accelerator cable adjustment, TP/APP switch  
P0227 Throttle position (TP) sensor C/accelerator pedal position (APP) sensor C - low input Wiring short to ground, TP/APP sensor, ECM Throttle position (TP) switch C/accelerator pedal position (APP) switch C - low input Wiring short to ground, TP/APP switch, ECM  
P0228 Throttle position (TP) sensor C/accelerator pedal position (APP) sensor C - high input Wiring short to positive, TP/APP sensor, ECM Throttle position (TP) switch C/accelerator pedal position (APP) switch C - high input Wiring short to positive, TP/APP switch, ECM  
P0229 Throttle position (TP) sensor C/accelerator pedal position (APP) sensor C - circuit intermittent Wiring, poor connection, TP/APP sensor, ECM Throttle position (TP) switch C/accelerator pedal position (APP) switch C - circuit intermittent Wiring, poor

connection, TP/APP switch, ECM

P0230 Fuel pump relay - circuit malfunction Wiring, fuel pump relay, ECM

P0231 Fuel pump relay - circuit low Wiring short to ground, fuel pump relay, ECM

P0232 Fuel pump relay - circuit high Wiring short to positive, fuel pump relay, ECM

P0233 Fuel pump relay - circuit intermittent Wiring, poor connection, fuel pump relay, ECM

P0234 Engine boost condition - limit exceeded Hose connection(s), wiring, TC waste gate regulating valve, TC wastegate

P0235 Engine boost condition - limit not reached Hose connection(s), wiring, TC waste gate regulating valve, TC wastegate, TC

P0236 Manifold absolute pressure (MAP) sensor A, TC system - range/performance problem Intake/exhaust leak, hose connection(s), MAP sensor

P0237 Manifold absolute pressure (MAP) sensor A, TC system - low input Wiring short to ground, MAP sensor, ECM

P0238 Manifold absolute pressure (MAP) sensor A, TC system - high input Wiring short to positive, MAP sensor, ECM

P0239 Manifold absolute pressure (MAP) sensor B, TC system - circuit malfunction Wiring, MAP sensor, ECM

P0240 Manifold absolute pressure (MAP) sensor B, TC system - range/performance problem Intake/exhaust leak, hose connection(s), MAP sensor

P0241 Manifold absolute pressure (MAP) sensor B, TC system - low input Wiring short to ground, MAP sensor, ECM

P0242 Manifold absolute pressure (MAP) sensor B, TC system - high input Wiring short to positive, MAP sensor, ECM

P0243 Turbocharger (TC) wastegate regulating valve A - circuit malfunction Wiring, TC wastegate regulating valve, ECM

P0244 Turbocharger (TC) wastegate regulating valve A - range/performance problem TC wastegate regulating valve

P0245 Turbocharger (TC) wastegate regulating valve A - circuit low Wiring short to ground, TC wastegate regulating valve, ECM

P0246 Turbocharger (TC) wastegate regulating valve A - circuit high Wiring short to positive, TC wastegate regulating valve, ECM

P0247 Turbocharger (TC) wastegate regulating valve B - circuit malfunction Wiring, TC wastegate regulating valve, ECM

P0248 Turbocharger (TC) wastegate regulating valve B - range/performance problem TC wastegate regulating valve

P0249 Turbocharger (TC) wastegate regulating valve B - circuit low Wiring short to ground, TC wastegate regulating valve, ECM

P0250 Turbocharger (TC) wastegate regulating valve B - circuit high Wiring short to positive, TC wastegate regulating valve, ECM

P0251 Injection pump A, rotor/cam - circuit malfunction Wiring, injection pump, ECM

P0252 Injection pump A, rotor/cam - range/performance problem Injection pump

P0253 Injection pump A, rotor/cam - circuit low Wiring short to ground, injection pump, ECM

P0254 Injection pump A, rotor/cam - circuit high Wiring short to positive, injection pump, ECM

P0255 Injection pump A, rotor/cam - circuit intermittent Wiring, poor connection, injection pump, ECM

P0256 Injection pump B, rotor/cam - circuit malfunction Wiring, injection pump, ECM

P0257 Injection pump B, rotor/cam - range/performance problem Injection pump

P0258 Injection pump B, rotor/cam - circuit low Wiring short to ground, injection pump, ECM

P0259 Injection pump B, rotor/cam - circuit high Wiring short to positive, injection pump, ECM

P0260 Injection pump B, rotor/cam - circuit intermittent Wiring, poor connection, injection pump, ECM

P0261 Injector 1 - circuit low Wiring short to ground, injector, ECM

P0262 Injector 1 - circuit high Wiring short to positive, injector, ECM

P0263 Cylinder 1 - contribution/balance fault Wiring, fuel system, ECM

P0264 Injector 2 - circuit low Wiring short to ground, injector, ECM

P0265 Injector 2 - circuit high Wiring short to positive, injector, ECM  
P0266 Cylinder 2 - contribution/balance fault Wiring, fuel system, ECM  
P0267 Injector 3 - circuit low Wiring short to ground, injector, ECM  
P0268 Injector 3 - circuit high Wiring short to positive, injector, ECM  
P0269 Cylinder 3 - contribution/balance fault Wiring, fuel system, ECM  
P0270 Injector 4 - circuit low Wiring short to ground, injector, ECM  
P0271 Injector 4 - circuit high Wiring short to positive, injector, ECM  
P0272 Cylinder 4 - contribution/balance fault Wiring, fuel system, ECM  
P0273 Injector 5 - circuit low Wiring short to ground, injector, ECM  
P0274 Injector 5 - circuit high Wiring short to positive, injector, ECM  
P0275 Cylinder 5 - contribution/balance fault Wiring, fuel system, ECM  
P0276 Injector 6 - circuit low Wiring short to ground, injector, ECM  
P0277 Injector 6 - circuit high Wiring short to positive, injector, ECM  
P0278 Cylinder 6 - contribution/balance fault Wiring, fuel system, ECM  
P0279 Injector 7 - circuit low Wiring short to ground, injector, ECM  
P0280 Injector 7 - circuit high Wiring short to positive, injector, ECM  
P0281 Cylinder 7 - contribution/balance fault Wiring, fuel system, ECM  
P0282 Injector 8 - circuit low Wiring short to ground, injector, ECM  
P0283 Injector 8 - circuit high Wiring short to positive, injector, ECM  
P0284 Cylinder 8 - contribution/balance fault Wiring, fuel system, ECM  
P0285 Injector 9 - circuit low Wiring short to ground, injector, ECM  
P0286 Injector 9 - circuit high Wiring short to positive, injector, ECM  
P0287 Cylinder 9 - contribution/balance fault Wiring, fuel system, ECM  
P0288 Injector 10 - circuit low Wiring short to ground, injector, ECM  
P0289 Injector 10 - circuit high Wiring short to positive, injector, ECM  
P0290 Cylinder 10 - contribution/balance fault Wiring, fuel system, ECM  
P0291 Injector 11 - circuit low Wiring short to ground, injector, ECM  
P0292 Injector 11 - circuit high Wiring short to positive, injector, ECM  
P0293 Cylinder 11 - contribution/balance fault Wiring, fuel system, ECM  
P0294 Injector 12 - circuit low Wiring short to ground, injector, ECM  
P0295 Injector 12 - circuit high Wiring short to positive, injector, ECM  
P0296 Cylinder 12 - contribution/balance fault Wiring, fuel system, ECM  
P0297 Vehicle over-speed condition Wiring, VSS, mechanical fault  
P0298 Engine oil temperature - too high Wiring, EOT sensor, mechanical fault  
P0299 Turbo/super charger - low boost Mechanical fault  
P0300 Random/multiple cylinder(s) - misfire detected Spark plug(s), HT lead(s), injector(s), ignition coil(s), low compression, wiring  
P0301 Cylinder 1 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0302 Cylinder 2 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM

P0303 Cylinder 3 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0304 Cylinder 4 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0305 Cylinder 5 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0306 Cylinder 6 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0307 Cylinder 7 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0308 Cylinder 8 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0309 Cylinder 9 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0310 Cylinder 10 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0311 Cylinder 11 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0312 Cylinder 12 - misfire detected Engine mechanical fault, wiring, ignition/fuel system, injector, ECT/MAF sensor, ECM  
P0313 Misfire detected - low fuel level Fuel system, mechanical fault  
P0314 Single cylinder misfire - cylinder not specified Engine mechanical fault, wiring, ignition/fuel system, injector  
P0315 Crankshaft position system - variation not learned Engine mechanical fault, wiring  
P0316 Misfire detected during start up - first 1000 revolutions Engine mechanical fault, wiring, ignition/fuel system, injector  
P0317 Rough road hardware not present Wiring, ECM  
P0318 Rough road sensor signal A - circuit malfunction Wiring, rough road sensor A, mechanical fault  
P0319 Rough road sensor signal B - circuit malfunction Wiring, rough road sensor B, mechanical fault  
P0320 Crankshaft position (CKP) sensor/engine speed (RPM) sensor - circuit malfunction Wiring CKP/RPM sensor, ECM  
P0321 Crankshaft position (CKP) sensor/engine speed (RPM) sensor - range/performance problem Air gap, metal particle contamination, insecure sensor/rotor, wiring, CKP/RPM sensor  
P0322 Crankshaft position (CKP) sensor/engine speed (RPM) sensor - no signal Wiring, CKP/RPM sensor, ECM  
P0323 Crankshaft position (CKP) sensor/engine speed (RPM) sensor - circuit intermittent Wiring, poor connection, CKP/RPM sensor, ECM  
P0324 Knock control system error Wiring, poor connection, KS, ECM  
P0325 Knock sensor (KS) 1, bank 1 - circuit malfunction Wiring, poor connection, KS  
P0326 Knock sensor (KS) 1, bank 1 - range/performance problem Wiring, KS incorrectly tightened, KS  
P0327 Knock sensor (KS) 1, bank 1 - low input Insecure KS, poor connection, wiring short to ground incorrectly tightened, KS, ECM  
P0328 Knock sensor (KS) 1, bank 1 - high input Wiring short to positive, KS incorrectly tightened, KS, ECM  
P0329 Knock sensor (KS) 1, bank 1 - circuit intermittent Wiring, poor connection, KS, ECM  
P0330 Knock sensor (KS) 2, bank 2 - circuit malfunction Wiring, KS, ECM  
P0331 Knock sensor (KS) 2, bank 2 - range/performance problem Wiring, KS incorrectly tightened, KS  
P0332 Knock sensor (KS) 2, bank 2 - low input Insecure KS, poor connection, wiring short to ground incorrectly tightened, KS, ECM  
P0333 Knock sensor (KS) 2, bank 2 - high input Wiring short to positive, KS incorrectly tightened, KS, ECM  
P0334 Knock sensor (KS) 2, bank 2 - circuit intermittent Wiring, poor connection, KS, ECM  
P0335 Crankshaft position (CKP) sensor - circuit malfunction Wiring, CKP sensor, ECM  
P0336 Crankshaft position (CKP) sensor - range/performance problem Insecure sensor/rotor, air gap, wiring, CKP sensor  
P0337 Crankshaft position (CKP) sensor - low input Wiring short to ground, CKP sensor, ECM  
P0338 Crankshaft position (CKP) sensor - high input Wiring short to positive, CKP sensor, ECM

P0339 Crankshaft position (CKP) sensor- circuit intermittent Wiring, poor connection, CKP sensor, ECM  
P0340 Camshaft position (CMP) sensor A, bank 1 - circuit malfunction Wiring, CMP sensor, ECM  
P0341 Camshaft position (CMP) sensor A, bank 1 - range/performance problem Insecure sensor/rotor, air gap, wiring, CMP sensor  
P0342 Camshaft position (CMP) sensor A, bank 1 - low input Wiring short to ground, CMP sensor, ECM  
P0343 Camshaft position (CMP) sensor A, bank 1 - high input Wiring short to positive, CMP sensor, ECM  
P0344 Camshaft position (CMP) sensor A, bank 1- circuit intermittent Wiring, poor connection, CMP sensor, ECM  
P0345 Camshaft position (CMP) sensor A, bank 2 - circuit malfunction Wiring, CMP sensor, ECM  
P0346 Camshaft position (CMP) sensor A, bank 2 - range/performance problem Insecure sensor/rotor, air gap, wiring, CMP sensor  
P0347 Camshaft position (CMP) sensor A, bank 2 - low input Wiring short to ground, CMP sensor, ECM  
P0348 Camshaft position (CMP) sensor A, bank 2 - high input Wiring short to positive, CMP sensor, ECM  
P0349 Camshaft position (CMP) sensor A, bank 2- circuit intermittent Wiring, poor connection, CMP sensor, ECM  
P0350 Ignition coil, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0351 Ignition coil A, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0352 Ignition coil B, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0353 Ignition coil C, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0354 Ignition coil D, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0355 Ignition coil E, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0356 Ignition coil F, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0357 Ignition coil G, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0358 Ignition coil H, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0359 Ignition coil I, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0360 Ignition coil J, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0361 Ignition coil K, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0362 Ignition coil L, primary/secondary - circuit malfunction Wiring, ignition coil, ECM  
P0363 Misfire detected - fuelling disabled Fuel system, mechanical fault  
P0365 Camshaft position (CMP) sensor B, bank 1 - circuit malfunction Wiring, poor connection, CMP sensor, ECM  
P0366 Camshaft position (CMP) sensor B, bank 1 - range/performance problem Wiring, poor connection, CMP sensor  
P0367 Camshaft position (CMP) sensor B, bank 1 - low input Wiring short to ground, CMP sensor, ECM  
P0368 Camshaft position (CMP) sensor B, bank 1 - high input Wiring short to positive, CMP sensor, ECM  
P0369 Camshaft position (CMP) sensor B, bank 1- circuit intermittent Wiring, poor connection, ECM  
P0370 Timing reference, high resolution signal A - malfunction Wiring, CKP/RPM/CMP sensor, ECM  
P0371 Timing reference, high resolution signal A - too many pulses Wiring, CKP/RPM/CMP sensor, ECM  
P0372 Timing reference, high resolution signal A - too few pulses Wiring, CKP/RPM/CMP sensor, ECM  
P0373 Timing reference, high resolution signal A - intermittent erratic pulses Wiring, poor connection, CKP/RPM/CMP sensor, ECM  
P0374 Timing reference, high resolution signal A - no pulses Wiring, CKP/RPM/CMP sensor, ECM  
P0375 Timing reference, high resolution signal B - malfunction Wiring, CKP/RPM/CMP sensor, ECM  
P0376 Timing reference, high resolution signal B - too many pulses Wiring, CKP/RPM/CMP sensor, ECM  
P0377 Timing reference, high resolution signal B - too few pulses Wiring, CKP/RPM/CMP sensor, ECM

P0378 Timing reference, high resolution signal B - intermittent erratic pulses Wiring, poor connection, CKP/RPM/CMP sensor, ECM

P0379 Timing reference, high resolution signal B - no pulses Wiring, CKP/RPM/CMP sensor, ECM

P0380 Glow plugs, circuit A - malfunction Wiring, glow plug relay, fuse, glow plugs, ECM

P0381 Glow plug warning lamp - circuit malfunction Wiring, glow plug warning lamp, ECM

P0382 Glow plugs, circuit B - malfunction Wiring, glow plug relay, fuse, glow plugs, ECM

P0385 Crankshaft position (CKP) sensor B - circuit malfunction Wiring, CKP sensor, ECM

P0386 Crankshaft position (CKP) sensor B - range/performance problem Insecure sensor/rotor, air gap, wiring, CKP sensor

P0387 Crankshaft position (CKP) sensor B - low input Wiring short to ground, CKP sensor, ECM

P0388 Crankshaft position (CKP) sensor B - high input Wiring short to positive, CKP sensor, ECM

P0389 Crankshaft position (CKP) sensor B - circuit intermittent Wiring, poor connection, CKP sensor, ECM

P0390 Camshaft position (CMP) sensor B, bank 2 - circuit malfunction Wiring, poor connection, CMP sensor, ECM

P0391 Camshaft position (CMP) sensor B, bank 2 - circuit range/performance problem Wiring, poor connection, CMP sensor

P0392 Camshaft position (CMP) sensor B, bank 2 - circuit low input Wiring short to ground, CMP sensor, ECM

P0393 Camshaft position (CMP) sensor B, bank 2 - circuit high input Wiring short to positive, CMP sensor, ECM

P0394 Camshaft position (CMP) sensor B, bank 2 - circuit intermittent Wiring, poor connection, ECM

P0400 Exhaust gas recirculation (ERG) system - flow malfunction Hose leak/blockage, basic setting not carried out (if applicable), wiring, EGR valve, EGR solenoid, ECM

P0401 Exhaust gas recirculation (ERG) system - insufficient flow detected Hose leak/blockage, basic setting not carried out (if applicable), wiring, EGR valve, EGR solenoid, ECM

P0402 Exhaust gas recirculation (ERG) system - excessive flow detected Hose leak/blockage, basic setting not carried out (if applicable), wiring, EGR valve, EGR solenoid, ECM

P0403 Exhaust gas recirculation (ERG) system - circuit malfunction Wiring, EGR solenoid, ECM

P0404 Exhaust gas recirculation (ERG) system - range/performance problem Hose leak/blockage, wiring, EGR valve/solenoid

P0405 Exhaust gas recirculation (ERG) valve position sensor A - low input Wiring short to ground, EGR valve position sensor, ECM

P0406 Exhaust gas recirculation (ERG) valve position sensor A - high input Wiring short to positive, EGR valve position sensor, ECM

P0407 Exhaust gas recirculation (ERG) valve position sensor B - low input Wiring short to ground, EGR valve position sensor, ECM

P0408 Exhaust gas recirculation (ERG) valve position sensor B - high input Wiring short to positive, EGR valve position sensor, ECM

P0409 Exhaust gas recirculation (ERG) sensor A - circuit malfunction Wiring, poor connection, EGR sensor, ECM

P0410 Secondary air injection (AIR) system - malfunction Wiring, AIR valve, AIR solenoid, ECM

P0411 Secondary air injection (AIR) system - incorrect flow detected AIR pump, AIR valve, AIR hose(s)

P0412 Secondary air injection (AIR) solenoid A - circuit malfunction Wiring, AIR solenoid, ECM

P0413 Secondary air injection (AIR) solenoid A - open circuit Wiring open circuit, AIR solenoid, ECM

P0414 Secondary air injection (AIR) solenoid A - short circuit Wiring short circuit, AIR solenoid, ECM

P0415 Secondary air injection (AIR) solenoid B - circuit malfunction Wiring, AIR solenoid, ECM

P0416 Secondary air injection (AIR) solenoid B - open circuit Wiring open circuit, AIR solenoid, ECM

P0417 Secondary air injection (AIR) solenoid B - short circuit Wiring short circuit, AIR solenoid, ECM

P0418 Secondary air injection (AIR) pump relay A - circuit malfunction Wiring, AIR pump relay, ECM

P0419 Secondary air injection (AIR) pump relay B - circuit malfunction Wiring, AIR pump relay, ECM

P0420 Catalytic converter system, bank 1 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0421 Warm up catalytic converter, bank 1 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0422 Main catalytic converter, bank 1 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0423 Heated catalytic converter, bank 1 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0424 Heated catalytic converter, bank 1 - temperature below threshold Catalytic converter, wiring, HO2S 2  
P0425 Catalytic converter temperature sensor, bank 1 Wiring, poor connection, catalytic converter temperature sensor, ECM  
P0426 Catalytic converter temperature sensor, bank 1 - range/performance Wiring, poor connection, catalytic converter temperature sensor, ECM  
P0427 Catalytic converter temperature sensor, bank 1 - low input Wiring short to ground, catalytic converter temperature sensor, ECM  
P0428 Catalytic converter temperature sensor, bank 1 - high input Wiring short to positive, catalytic converter temperature sensor, ECM  
P0429 Catalytic converter heater, bank 1 - control circuit malfunction Wiring, relay, ECM  
P0430 Catalytic converter system, bank 2 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0431 Warm up catalytic converter, bank 2 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0432 Main catalytic converter, bank 2 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0433 Heated catalytic converter, bank 2 - efficiency below threshold Catalytic converter, wiring, HO2S 2  
P0434 Heated catalytic converter, bank 2 - temperature below threshold Catalytic converter, wiring, HO2S 2  
P0435 Catalytic converter temperature sensor, bank 2 Wiring, poor connection, catalytic converter temperature sensor, ECM  
P0436 Catalytic converter temperature sensor, bank 2 - range/performance Wiring, poor connection, catalytic converter temperature sensor, ECM  
P0437 Catalytic converter temperature sensor, bank 2 - low input Wiring short to ground, catalytic converter temperature sensor, ECM  
P0438 Catalytic converter temperature sensor, bank 2 - high input Wiring short to positive, catalytic converter temperature sensor, ECM  
P0439 Catalytic converter heater, bank 2 - control circuit malfunction Wiring, relay, ECM  
P0440 Evaporative emission (EVAP) system - malfunction Hose connection(s), intake leak, EVAP canister purge valve  
P0441 Evaporative emission (EVAP) system - incorrect flow detected Hose connection(s), intake leak, EVAP canister purge valve  
P0442 Evaporative emission (EVAP) system - small leak detected Hose connection(s), intake leak, EVAP canister, EVAP canister purge valve  
P0443 Evaporative emission (EVAP) canister purge valve - circuit malfunction Wiring, EVAP canister purge valve, ECM  
P0444 Evaporative emission (EVAP) canister purge valve - open circuit Wiring open circuit, EVAP canister purge valve, ECM  
P0445 Evaporative emission (EVAP) canister purge valve - short circuit Wiring short circuit, EVAP canister purge valve, ECM  
P0446 Evaporative emission (EVAP) system, vent control - circuit malfunction Wiring, EVAP canister purge valve, ECM  
P0447 Evaporative emission (EVAP) system, vent control - open circuit Wiring open circuit, EVAP canister purge valve, ECM  
P0448 Evaporative emission (EVAP) system, vent control - short circuit Wiring short circuit, EVAP canister purge valve, ECM  
P0449 Evaporative emission (EVAP) system, vent valve - circuit malfunction Wiring, EVAP canister purge valve, ECM  
P0450 Evaporative emission (EVAP) pressure sensor - circuit malfunction Wiring, EVAP pressure sensor, ECM

P0451 Evaporative emission (EVAP) pressure sensor - range/performance problem EVAP pressure sensor

P0452 Evaporative emission (EVAP) pressure sensor - low input Wiring short to ground, EVAP pressure sensor, ECM

P0453 Evaporative emission (EVAP) pressure sensor - high input Wiring short to positive, EVAP pressure sensor, ECM

P0454 Evaporative emission (EVAP) pressure sensor - circuit intermittent Wiring, poor connection, EVAP pressure sensor, ECM

P0455 Evaporative emission (EVAP) system - large leak detected Hose connection(s), intake leak, EVAP canister, EVAP canister purge valve

P0456 Evaporative emission system - very small leak detected Mechanical fault, hose connection(s), EVAP pressure sensor

P0457 Evaporative emission system - leak detected (fuel cap loose/off) Mechanical fault, hose connection(s), EVAP pressure sensor

P0458 Evaporative emission system, purge control valve - circuit low Wiring short to ground, EVAP valve

P0459 Evaporative emission system, purge control valve - circuit high Wiring short to positive, EVAP valve

P0460 Fuel tank level sensor - circuit malfunction Wiring, fuel tank level sensor, ECM

P0461 Fuel tank level sensor - range/performance problem Wiring, fuel tank level sensor

P0462 Fuel tank level sensor - low input Wiring short to ground, fuel tank level sensor, ECM

P0463 Fuel tank level sensor - high input Wiring short to positive, fuel tank level sensor, ECM

P0464 Fuel tank level sensor - circuit intermittent Wiring, poor connection, fuel tank level sensor, ECM

P0465 Evaporative emission (EVAP) canister purge flow sensor - circuit malfunction Wiring, EVAP canister purge flow sensor, ECM

P0466 Evaporative emission (EVAP) canister purge flow sensor - range/performance problem EVAP canister purge flow sensor

P0467 Evaporative emission (EVAP) canister purge flow sensor - low input Wiring short to ground, EVAP canister purge flow sensor, ECM

P0468 Evaporative emission (EVAP) canister purge flow sensor - high input Wiring short to positive, EVAP canister purge flow sensor, ECM

P0469 Evaporative emission (EVAP) canister purge flow sensor - circuit intermittent Wiring, poor connection, EVAP canister purge flow sensor, ECM

P0470 Exhaust gas pressure sensor - circuit malfunction Wiring, exhaust gas pressure sensor, ECM

P0471 Exhaust gas pressure sensor - range/performance problem Exhaust gas pressure sensor

P0472 Exhaust gas pressure sensor - low input Wiring short to ground, exhaust gas pressure sensor, ECM

P0473 Exhaust gas pressure sensor - high input Wiring short to positive, exhaust gas pressure sensor, ECM

P0474 Exhaust gas pressure sensor - circuit intermittent Wiring, poor connection, exhaust gas pressure sensor, ECM

P0475 Exhaust gas pressure control valve - circuit malfunction Wiring, exhaust gas pressure control valve, ECM

P0476 Exhaust gas pressure control valve - range/performance problem Exhaust gas control valve sensor

P0477 Exhaust gas pressure control valve - low input Wiring short to ground, exhaust gas control valve sensor, ECM

P0478 Exhaust gas pressure control valve - high input Wiring short to positive, exhaust gas control valve sensor, ECM

P0479 Exhaust gas pressure control valve - circuit intermittent Wiring, poor connection, exhaust gas control valve sensor, ECM

P0480 Engine coolant blower motor 1 - circuit malfunction Wiring, engine coolant blower motor, ECM

P0481 Engine coolant blower motor 2 - circuit malfunction Wiring, engine coolant blower motor, ECM

P0482 Engine coolant blower motor 3 - circuit malfunction Wiring, engine coolant blower motor, ECM

P0483 Engine coolant blower motor, rationality check - malfunction Wiring, engine coolant blower motor, ECM

P0484 Engine coolant blower motor - circuit over current Wiring, engine coolant blower motor, ECM

P0485 Engine coolant blower motor, power/earth - circuit malfunction Wiring, engine coolant blower motor, ECM

P0486 Exhaust gas recirculation (EGR) valve position sensor B - circuit malfunction Wiring, poor connection, EGR valve position sensor, ECM

P0487 Exhaust gas recirculation (EGR) system, throttle position control - circuit malfunction Wiring, poor connection, ECM

P0488 Exhaust gas recirculation (EGR) system, throttle position control - range/performance Wiring, poor connection, ECM

P0489 Exhaust gas recirculation (EGR) system - circuit low Wiring short to ground, EGR valve

P0490 Exhaust gas recirculation (EGR) system - circuit high Wiring short to positive, EGR valve

P0491 Secondary air injection system, bank 1 - malfunction Wiring, AIR solenoid, hose connections, mechanical fault

P0492 Secondary air injection system, bank 2 - malfunction Wiring, AIR solenoid, hose connections, mechanical fault

P0493 Fan over-speed (clutch locked) Fan clutch, mechanical fault

P0494 Fan speed - low Wiring, relay, fan motor, mechanical fault

P0495 Fan speed - high Wiring, relay, fan motor, mechanical fault

P0496 Evaporative emission system - high purge flow Wiring, EVAP valve, mechanical fault

P0497 Evaporative emission system - low purge flow Wiring, EVAP valve, hoses blocked, mechanical fault

P0498 Evaporative emission system, vent control - circuit low Wiring, short to ground, EVAP valve

P0499 Evaporative emission system, vent control - circuit high Wiring, short to positive, EVAP valve

P0500 Vehicle speed sensor (VSS) - circuit malfunction Wiring, VSS, ECM

P0501 Vehicle speed sensor (VSS) - range/performance problem Wiring, speedometer, VSS, CAN data bus

P0502 Vehicle speed sensor (VSS) - low input Wiring short to ground, VSS, ECM

P0503 Vehicle speed sensor (VSS) - intermittent/erratic/high input Wiring, poor connection, other connected system, instrument panel, VSS

P0504 Brake switch - A/B correlation Wiring, mechanical fault

P0505 Idle speed control (ISC) system - malfunction Wiring, ISC actuator/IAC valve, throttle motor, throttle valve tight/sticking, ECM

P0506 Idle speed control (ISC) system - rpm lower than expected Wiring, ISC actuator/IAC valve, throttle motor, throttle valve tight/sticking, ECM

P0507 Idle speed control (ISC) system - rpm higher than expected Wiring, ISC actuator/IAC valve, throttle motor, throttle valve tight/sticking, ECM

P0508 Idle air control (IAC) system - circuit low Wiring short to ground, IAC valve, ECM

P0509 Idle air control (IAC) system - circuit high Wiring short to positive, IAC valve, ECM

P0510 Closed throttle position (CTP) switch - circuit malfunction Wiring, CTP switch, ECM

P0511 Idle air control (IAC) system - circuit malfunction Wiring, poor connection, IAC valve, ECM

P0512 Starter request circuit - malfunction Wiring, immobilizer system, relay

P0513 Incorrect immobilizer key Immobilizer system

P0514 Battery temperature sensor - circuit range/performance Wiring, poor connection, battery temperature sensor

P0515 Battery temperature sensor - circuit malfunction Wiring, poor connection, battery temperature sensor

P0516 Battery temperature sensor - circuit low Wiring, short to ground, battery temperature sensor, ECM

P0517 Battery temperature sensor - circuit high Wiring, short to positive, battery temperature sensor, ECM

P0518 Idle air control (IAC) system - circuit intermittent Wiring, poor connection, IAC valve, ECM

P0519 Idle air control (IAC) system - circuit performance Wiring, poor connection, IAC valve, ECM

P0520 Engine oil pressure sensor/switch - circuit malfunction Wiring, engine oil pressure sensor/switch, ECM

P0521 Engine oil pressure sensor/switch - range/performance problem Engine oil pressure sensor/switch

P0522 Engine oil pressure sensor/switch - low voltage Wiring short to ground, engine oil pressure sensor/switch, ECM

P0523 Engine oil pressure sensor/switch - high voltage Wiring short to positive, engine oil pressure sensor/switch, ECM

P0524 Engine oil pressure too low Mechanical fault

P0525 Cruise control, servo control - circuit range/performance Wiring, poor connection, cruise control servo

P0526 Fan speed sensor - circuit malfunction Wiring, poor connection, fan speed sensor, ECM

P0527 Fan speed sensor - circuit range/performance Wiring, poor connection, fan speed sensor

P0528 Fan speed sensor - no signal Wiring, poor connection, fan speed sensor, ECM

P0529 Fan speed sensor - circuit intermittent Wiring, poor connection, ECM

P0530 AC refrigerant pressure sensor - circuit malfunction Wiring, AC refrigerant pressure sensor, ECM

P0531 AC refrigerant pressure sensor - range/performance problem AC refrigerant pressure sensor

P0532 AC refrigerant pressure sensor - low input AC refrigerant pressure too low (incorrectly charged), wiring, AC refrigerant pressure sensor, ECM

P0533 AC refrigerant pressure sensor - high input AC refrigerant pressure too high (cooling fault/incorrectly charged), wiring, AC refrigerant pressure sensor, ECM

P0534 AC refrigerant charge loss AC leak, wiring, AC refrigerant pressure sensor

P0535 AC evaporator temperature sensor - circuit malfunction Wiring, poor connection, A/C evaporator temperature sensor, ECM

P0536 AC evaporator temperature sensor - range/performance problem Wiring, poor connection, A/C evaporator temperature sensor, ECM

P0537 AC evaporator temperature sensor - circuit low Wiring, short to ground, A/C evaporator temperature sensor, ECM

P0538 AC evaporator temperature sensor - circuit high Wiring, short to positive, A/C evaporator temperature sensor, ECM

P0539 AC evaporator temperature sensor - circuit intermittent Wiring, poor connection, A/C evaporator temperature sensor, ECM

P0540 Intake air heater A - circuit malfunction Wiring, relay, intake air heater

P0541 Intake air heater A - circuit low Wiring short to ground, intake air heater

P0542 Intake air heater A - circuit high Wiring short to positive, intake air heater

P0543 Intake air heater A - circuit open Wiring, intake air heater

P0544 Exhaust gas recirculation temperature (EGRT) sensor, bank 1 - circuit malfunction Wiring, EGRT sensor, ECM

P0545 Exhaust gas recirculation temperature (EGRT) sensor, bank 1 - low input Wiring short to ground, EGRT sensor, ECM

P0546 Exhaust gas recirculation temperature (EGRT) sensor, bank 1 - high input Wiring short to positive, EGRT sensor, ECM

P0547 Exhaust gas temperature sensor, bank 2 sensor 1 - circuit malfunction Wiring, poor connection, exhaust gas temperature sensor, ECM

P0548 Exhaust gas temperature sensor, bank 2 sensor 1 - circuit low Wiring short to ground, exhaust gas temperature sensor, ECM

P0549 Exhaust gas temperature sensor, bank 2 sensor 1 - circuit high Wiring short to positive, exhaust gas temperature sensor, ECM

P0550 Power steering pressure (PSP) sensor/switch - circuit malfunction Wiring, PSP sensor/switch, ECM

P0551 Power steering pressure (PSP) sensor/switch - range/performance problem PAS system, PSP sensor/switch

P0552 Power steering pressure (PSP) sensor/switch - low input Wiring short to ground, PSP sensor/switch, ECM

P0553 Power steering pressure (PSP) sensor/switch - high input Wiring short to positive, PSP sensor/switch, ECM  
P0554 Power steering pressure (PSP) sensor/switch - circuit intermittent Wiring, poor connection, PSP sensor/switch, ECM  
P0555 Brake booster pressure sensor - circuit malfunction Wiring, poor connection, brake booster pressure sensor, ECM  
P0556 Brake booster pressure sensor - circuit range/performance Wiring, poor connection, brake booster pressure sensor, ECM  
P0557 Brake booster pressure sensor - circuit low input Wiring short to ground, brake booster pressure sensor, ECM  
P0558 Brake booster pressure sensor - circuit high input Wiring short to positive, brake booster pressure sensor, ECM  
P0559 Brake booster pressure sensor - circuit intermittent Wiring, poor connection, brake booster pressure sensor, ECM  
P0560 System voltage - malfunction Wiring, poor connection, battery, alternator  
P0561 System voltage - unstable Wiring, poor connection, battery, alternator  
P0562 System voltage - low Wiring, poor connection, battery, alternator  
P0563 System voltage - high Alternator  
P0564 Cruise control system, multi-function input A - circuit malfunction Wiring poor connection, multi-function switch, mechanical fault  
P0565 Cruise control master switch, ON signal - malfunction Wiring, cruise control master switch, ECM  
P0566 Cruise control master switch, OFF signal - malfunction Wiring, cruise control master switch, ECM  
P0567 Cruise control master switch, RESUME signal - malfunction Wiring, cruise control master switch, ECM  
P0568 Cruise control master switch, SET signal - malfunction Wiring, cruise control master switch, ECM  
P0569 Cruise control master switch, COAST signal - malfunction Wiring, cruise control master switch, ECM  
P0570 Cruise control system, APP sensor signal - malfunction Wiring, APP sensor, ECM  
P0571 Cruise/brake switch A - circuit malfunction Wiring, cruise/brake switch, ECM  
P0572 Cruise/brake switch A - circuit low Wiring short to ground, cruise/brake switch, ECM  
P0573 Cruise/brake switch A - circuit high Wiring short to positive, cruise/brake switch, ECM  
P0574 Cruise control system -vehicle speed too high Mechanical fault  
P0575 Cruise control system - input circuit malfunction Wiring, poor connection, mechanical fault, ECM  
P0576 Cruise control system - input circuit low Wiring short to ground  
P0577 Cruise control system - input circuit high Wiring short to positive  
P0578 Cruise control system, multi-function input A - circuit stuck Wiring, poor connection, multi-function switch, mechanical fault  
P0579 Cruise control system, multi-function input A - circuit range/performance Wiring, poor connection, multi-function switch, mechanical fault  
P0580 Cruise control system, multi-function input A - circuit low Wiring short to ground, multi-function switch, mechanical fault  
P0581 Cruise control system, multi-function input A - circuit high Wiring short to positive, multi-function switch, mechanical fault  
P0582 Cruise control system, vacuum control - circuit open Wiring, vacuum control solenoid  
P0583 Cruise control system, vacuum control - circuit low Wiring short to ground, vacuum control solenoid  
P0584 Cruise control system, vacuum control - circuit high Wiring short to positive, vacuum control solenoid  
P0585 Cruise control system, multi-function input A/B - correlation Mechanical fault  
P0586 Cruise control system, vent control - circuit open Wiring, vent control solenoid  
P0587 Cruise control system, vent control - circuit low Wiring short to ground, vent control solenoid  
P0588 Cruise control system, vent control - circuit high Wiring short to positive, vent control solenoid

P0589 Cruise control system, multi-function input B - circuit malfunction Wiring, poor connection, multi-function switch, mechanical fault

P0590 Cruise control system, multi-function input B - circuit stuck Wiring, poor connection, multi-function switch, mechanical fault

P0591 Cruise control system, multi-function input B - circuit range/performance Wiring, poor connection, multi-function switch, mechanical fault

P0592 Cruise control system, multi-function input B - circuit low Wiring short to ground, multi-function switch, mechanical fault

P0593 Cruise control system, multi-function input B - circuit high Wiring short to positive, multi-function switch, mechanical fault

P0594 Cruise control system, servo control - circuit open Wiring, servo control solenoid

P0595 Cruise control system, servo control - circuit low Wiring short to ground, servo control solenoid

P0596 Cruise control system, servo control - circuit high Wiring short to positive, servo control solenoid

P0597 Thermostat heater control system - circuit open Wiring, relay, thermostat heater

P0598 Thermostat heater control system - circuit low Wiring short to ground, relay, thermostat heater

P0599 Thermostat heater control system - circuit high Wiring short to positive, relay, thermostat heater

P0600 CAN data bus - malfunction Wiring, connected system, ECM

P0601 Engine control module (ECM) - memory check sum error ECM

P0602 Engine control module (ECM) - programming error ECM

P0603 Engine control module (ECM) - KAM error ECM

P0604 Engine control module (ECM) - RAM error ECM

P0605 Engine control module (ECM) - ROM error ECM

P0606 Engine control module (ECM) - processor fault ECM

P0607 Control module - performance Control module

P0608 Engine control module (ECM), VSS output A - malfunction ECM

P0609 Engine control module (ECM), VSS output B - malfunction ECM

P0610 Control module - vehicle options error Control module

P0611 Fuel injector control module - performance Fuel injector control module

P0612 Fuel injector control module - relay control circuit Wiring, relay, fuel injector control module

P0613 Transmission control module (TCM) processor error TCM

P0614 Engine control module (ECM)/Transmission control module (TCM) - mismatch ECM/TCM

P0615 Starter relay - circuit malfunction Wiring, poor connection, starter relay, ECM

P0616 Starter relay - circuit low Wiring short to ground, starter relay, ECM

P0617 Starter relay - circuit high Wiring short to positive, starter relay, ECM

P0618 Alternative fuel control module - KAM error alternative fuel control module

P0619 Alternative fuel control module - RAM/ROM error alternative fuel control module

P0620 Alternator, control - circuit malfunction Wiring, alternator, battery, ECM

P0621 Alternator warning lamp- circuit malfunction Wiring, alternator warning lamp, ECM

P0622 Alternator, field control - circuit malfunction Wiring, alternator, battery, ECM

P0623 Generator lamp control - circuit malfunction Wiring, poor connection, bulb, ECM

P0624 Fuel cap lamp control - circuit malfunction Wiring, poor connection, bulb, ECM

P0625 Generator field terminal - circuit low Wiring short to ground, generator  
P0626 Generator field terminal - circuit high Wiring short to positive, generator  
P0627 Fuel pump control - circuit open Wiring, relay, fuel pump  
P0628 Fuel pump control - circuit low Wiring short to ground, relay, fuel pump  
P0629 Fuel pump control - circuit high Wiring short to positive, relay, fuel pump  
P0630 VIN not programmed or mismatch - ECM  
P0631 VIN not programmed or mismatch - TCM  
P0632 Odometer not programmed - ECM  
P0633 Immobilizer key not programmed - ECM  
P0634 ECM/TCM - internal temperature too high Mechanical fault, ECM/TCM  
P0635 Power steering (PAS) control - circuit malfunction Wiring, poor connection, PAS pressure switch, ECM  
P0636 Power steering (PAS) control - circuit low Wiring short to ground, PAS pressure switch, ECM  
P0637 Power steering (PAS) control - circuit high Wiring short to positive, PAS pressure switch, ECM  
P0638 Throttle actuator control, bank 1 - range/performance problem Basic setting not carried out (if applicable), ISC actuator/throttle motor, APP sensor  
P0639 Throttle actuator control, bank 2 - range/performance Wiring, throttle control unit  
P0640 Intake air heater control - circuit malfunction Wiring, relay, intake air heater  
P0641 Sensor reference voltage A - circuit open Wiring short to positive  
P0642 Engine control module (ECM), knock control - defective ECM  
P0643 Sensor reference voltage A - circuit high Wiring short to positive  
P0644 Driver display, serial communication - circuit malfunction Wiring, CAN data bus, ECM  
P0645 Air conditioning (AC) Wiring, AC system  
P0646 A/C clutch relay control - circuit low Wiring short to ground, A/C clutch relay  
P0647 A/C clutch relay control - circuit high Wiring short to positive, A/C clutch relay  
P0648 Immobilizer lamp control - circuit malfunction Wiring, poor connection, bulb, ECM  
P0649 Cruise control lamp control - circuit Wiring, poor connection, bulb, ECM  
P0650 Malfunction indicator lamp (MIL) - circuit malfunction Wiring, MIL, ECM  
P0651 Sensor reference voltage B - circuit open Wiring short to positive  
P0652 Sensor reference voltage B - circuit low Wiring short to ground  
P0653 Sensor reference voltage B - circuit high Wiring short to positive  
P0654 Engine rpm, output - circuit malfunction Wiring, ECM  
P0655 Engine hot lamp output - circuit malfunction Wiring, engine hot lamp, ECM  
P0656 Fuel level output - circuit malfunction Wiring, ECM  
P0657 Actuator supply voltage - circuit open Wiring  
P0658 Actuator supply voltage - circuit low Wiring short to ground, actuator  
P0659 Actuator supply voltage - circuit high Wiring short to positive, actuator  
P0660 Intake manifold tuning valve, bank 1 - circuit open Wiring, intake manifold tuning valve

P0661 Intake manifold tuning valve, bank 1 - circuit low Wiring short to ground, intake manifold tuning valve  
P0662 Intake manifold tuning valve, bank 1 - circuit high Wiring short to positive, intake manifold tuning valve  
P0663 Intake manifold tuning valve, bank 2 - circuit open Wiring, intake manifold tuning valve  
P0664 Intake manifold tuning valve, bank 2 - circuit low Wiring short to ground, intake manifold tuning valve  
P0665 Intake manifold tuning valve, bank 2 - circuit high Wiring short to positive, intake manifold  
P0666 ECM/TCM internal temperature sensor - circuit malfunction Wiring, poor connection, internal temperature sensor, ECM/TCM  
P0667 ECM/TCM internal temperature sensor - range/performance Wiring, poor connection, internal temperature sensor, ECM/TCM  
P0668 ECM/TCM internal temperature sensor - circuit low Wiring short to ground, internal temperature sensor, ECM/TCM  
P0669 ECM/TCM internal temperature sensor - circuit high Wiring short to positive, internal temperature sensor, ECM/TCM  
P0670 Glow plug module control - circuit malfunction Wiring, poor connection, control module, glow plug, ECM  
P0671 Glow plug, cylinder 1 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0672 Glow plug, cylinder 2 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0673 Glow plug, cylinder 3 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0674 Glow plug, cylinder 4 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0675 Glow plug, cylinder 5 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0676 Glow plug, cylinder 6 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0677 Glow plug, cylinder 7 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0678 Glow plug, cylinder 8 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0679 Glow plug, cylinder 9 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0680 Glow plug, cylinder 10 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0681 Glow plug, cylinder 11 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0682 Glow plug, cylinder 12 - circuit malfunction Wiring, poor connection, relay, control module, glow plug, ECM  
P0683 Glow plug control module communication to ECM - malfunction Wiring, poor connection, control module, ECM  
P0684 Glow plug control module communication to ECM - range/performance Wiring, poor connection, control module, ECM  
P0685 ECM power relay control - circuit open Wiring, ECM relay  
P0686 ECM power relay control - circuit low Wiring short to ground, ECM relay, ECM  
P0687 Engine control relay - short to ground Wiring short to ground, engine control relay, ECM  
P0688 Engine control relay - short to positive Wiring short to positive, engine control relay, ECM  
P0689 ECM power relay sense - circuit low Wiring short to ground, ECM relay, ECM  
P0690 ECM power relay sense - circuit high Wiring short to positive, ECM relay, ECM  
P0691 Engine coolant blower motor 1 - short to ground Wiring short to ground, engine coolant blower motor, ECM  
P0692 Engine coolant blower motor 1 - short to positive Wiring short to positive, engine coolant blower motor, ECM  
P0693 Engine coolant blower motor 2 - short to ground Wiring short to ground, engine coolant blower motor, ECM  
P0694 Engine coolant blower motor 2 - short to positive Wiring short to positive, engine coolant blower motor, ECM  
P0695 Fan 3 control - circuit low Wiring short to ground, fan motor  
P0696 Fan 3 control - circuit high Wiring short to positive, fan motor  
P0697 Sensor reference voltage C - circuit open Wiring short to positive  
P0698 Sensor reference voltage C - circuit low Wiring short to ground

P0699 Sensor reference voltage C - circuit high Wiring short to positive  
P0700 Transmission control system - malfunction Wiring, TCM  
P0701 Transmission control system - range/performance problem Wiring, TCM  
P0702 Transmission control system - electrical Wiring, TCM  
P0703 Torque converter/brake switch B - circuit malfunction Wiring, torque converter/brake switch, ECM//TCM  
P0704 Clutch pedal position (CPP) switch - circuit malfunction Wiring, CPP switch, ECM/TCM  
P0705 Transmission range (TR) sensor/switch, PRNDL input - circuit malfunction Wiring, TR sensor/switch, ECM/TCM  
P0706 Transmission range (TR) sensor/switch - range/performance problem Wiring, TR sensor/switch  
P0707 Transmission range (TR) sensor/switch - low input Wiring short to ground, TR sensor/switch, ECM/TCM  
P0708 Transmission range (TR) sensor/switch -high input Wiring short to positive, TR sensor/switch, ECM/TCM  
P0709 Transmission range (TR) sensor/switch - circuit intermittent Wiring, poor connection, TR sensor/switch, ECM/TCM  
P0710 Transmission fluid temperature (TFT) sensor - circuit malfunction Wiring, TFT sensor, ECM, ECM/TCM  
P0711 Transmission fluid temperature (TFT) sensor - range/performance problem Wiring, TFT sensor  
P0712 Transmission fluid temperature (TFT) sensor - low input Wiring short to ground, TFT sensor, ECM, ECM/TCM  
P0713 Transmission fluid temperature (TFT) sensor - high input Wiring short to ground, TFT sensor, ECM, ECM/TCM  
P0714 Transmission fluid temperature (TFT) sensor - circuit intermittent Wiring, poor connection, TFT sensor, ECM, ECM/TCM  
P0715 Turbine shaft speed (TSS) sensor - circuit malfunction Wiring, TSS sensor, ECM/TCM  
P0716 Turbine shaft speed (TSS) sensor - range/performance problem Wiring, TSS sensor  
P0717 Turbine shaft speed (TSS) sensor - no signal Wiring, TSS sensor, ECM/TCM  
P0718 Turbine shaft speed (TSS) sensor - circuit intermittent Wiring, poor connection, TSS sensor, ECM/TCM  
P0719 Torque converter/brake switch B - circuit low Wiring short to ground, torque converter/brake switch, ECM/TCM  
P0720 Output shaft speed (OSS) sensor - circuit malfunction Wiring, OSS sensor, ECM/TCM  
P0721 Output shaft speed (OSS) sensor - range/performance problem Wiring, OSS sensor  
P0722 Output shaft speed (OSS) sensor - no signal Wiring, OSS sensor, ECM/TCM  
P0723 Output shaft speed (OSS) sensor - circuit intermittent Wiring, poor connection, OSS sensor, ECM/TCM  
P0724 Torque converter/brake switch B - circuit high Wiring short to positive, torque converter/brake switch, ECM/TCM  
P0725 Engine RPM input - circuit malfunction Wiring, CKP/RPM sensor, ECM/TCM  
P0726 Engine RPM input - range/performance problem Wiring, CKP/RPM sensor  
P0727 Engine RPM input - no signal Wiring, CKP/RPM sensor, ECM/TCM  
P0728 Engine RPM input - circuit intermittent Wiring, poor connection, CKP/RPM sensor, ECM/TCM  
P0730 Incorrect gear ratio Wiring, TR sensor/switch, shift solenoid, transmission mechanical fault  
P0731 Gear 1 - incorrect ratio Wiring, TR sensor/switch, shift solenoid, transmission mechanical fault  
P0732 Gear 2 - incorrect ratio Wiring, TR sensor/switch, shift solenoid, transmission mechanical fault  
P0733 Gear 3 - incorrect ratio Wiring, TR sensor/switch, shift solenoid, transmission mechanical fault  
P0734 Gear 4 - incorrect ratio Wiring, TR sensor/switch, shift solenoid, transmission mechanical fault  
P0735 Gear 5 - incorrect ratio Wiring, TR sensor/switch, shift solenoid, transmission mechanical fault  
P0736 Reverse - incorrect ratio Wiring, TR sensor/switch, shift solenoid, transmission mechanical fault  
P0737 TCM engine speed output - circuit Wiring, TCM

P0738 TCM engine speed output - circuit low Wiring, TCM  
P0739 TCM engine speed output - circuit high Wiring, TCM  
P0740 Torque converter clutch (TCC) solenoid - circuit malfunction Wiring, TCC solenoid, ECM/TCM  
P0741 Torque converter clutch (TCC) solenoid - performance or stuck off Wiring, TCC solenoid  
P0742 Torque converter clutch (TCC) solenoid - stuck on Wiring, TCC solenoid  
P0743 Torque converter clutch (TCC) solenoid - electrical Wiring, TCC solenoid, ECM/TCM  
P0744 Torque converter clutch (TCC) solenoid - circuit intermittent Wiring, poor connection, TCC solenoid, ECM/TCM  
P0745 Transmission fluid pressure (TFP) solenoid - circuit malfunction Wiring, TFP solenoid, ECM/TCM  
P0746 Transmission fluid pressure (TFP) solenoid - performance or stuck off Wiring, TFP solenoid  
P0747 Transmission fluid pressure (TFP) solenoid - stuck on Wiring, TFP solenoid  
P0748 Transmission fluid pressure (TFP) solenoid - electrical Wiring, TFP solenoid, ECM/TCM  
P0749 Transmission fluid pressure (TFP) solenoid - circuit intermittent Wiring, poor connection, TFP solenoid, ECM/TCM  
P0750 Shift solenoid (SS) A - circuit malfunction Wiring, shift solenoid, ECM/TCM  
P0751 Shift solenoid (SS) A - performance or stuck off Wiring, shift solenoid  
P0752 Shift solenoid (SS) A - stuck on Wiring, shift solenoid  
P0753 Shift solenoid (SS) A - electrical Wiring, shift solenoid, ECM/TCM  
P0754 Shift solenoid (SS) A - circuit intermittent Wiring, poor connection, shift solenoid, ECM/TCM  
P0755 Shift solenoid (SS) B - circuit malfunction Wiring, shift solenoid, ECM/TCM  
P0756 Shift solenoid (SS) B - performance or stuck off Wiring, shift solenoid  
P0757 Shift solenoid (SS) B - stuck on Wiring, shift solenoid  
P0758 Shift solenoid (SS) B - electrical Wiring, shift solenoid, ECM/TCM  
P0759 Shift solenoid (SS) B - circuit intermittent Wiring, poor connection, shift solenoid, ECM/TCM  
P0760 Shift solenoid (SS) C - circuit malfunction Wiring, shift solenoid, ECM/TCM  
P0761 Shift solenoid (SS) C - performance or stuck off Wiring, shift solenoid  
P0762 Shift solenoid (SS) C - stuck on Wiring, shift solenoid  
P0763 Shift solenoid (SS) C - electrical Wiring, shift solenoid, ECM/TCM  
P0764 Shift solenoid (SS) C - circuit intermittent Wiring, poor connection, shift solenoid, ECM/TCM  
P0765 Shift solenoid (SS) D - circuit malfunction Wiring, shift solenoid, ECM/TCM  
P0766 Shift solenoid (SS) D - performance or stuck off Wiring, shift solenoid  
P0767 Shift solenoid (SS) D - stuck on Wiring, shift solenoid  
P0768 Shift solenoid (SS) D - electrical Wiring, shift solenoid, ECM/TCM  
P0769 Shift solenoid (SS) D - circuit intermittent Wiring, poor connection, shift solenoid, ECM/TCM  
P0770 Shift solenoid (SS) E - circuit malfunction Wiring, shift solenoid, ECM/TCM  
P0771 Shift solenoid (SS) E - performance or stuck off Wiring, shift solenoid  
P0772 Shift solenoid (SS) E - stuck on Wiring, shift solenoid  
P0773 Shift solenoid (SS) E - electrical Wiring, shift solenoid, ECM/TCM  
P0774 Shift solenoid (SS) E - circuit intermittent Wiring, poor connection, shift solenoid, ECM/TCM  
P0775 Pressure control solenoid B - malfunction Pressure control solenoid

P0776 Pressure control solenoid B - performance or stuck off Wiring, pressure control solenoid  
P0777 Pressure control solenoid B - stuck on Wiring, pressure control solenoid  
P0778 Pressure control solenoid B - electrical Wiring, pressure control solenoid  
P0779 Pressure control solenoid B - intermittent Wiring, poor connection, pressure control solenoid  
P0780 Gear selection - shift malfunction Wiring, TR sensor, shift solenoids, transmission mechanical fault  
P0781 Gear selection, 1-2 - shift malfunction Wiring, TR sensor, shift solenoids, transmission mechanical fault  
P0782 Gear selection, 2-3 - shift malfunction Wiring, TR sensor, shift solenoids, transmission mechanical fault  
P0783 Gear selection, 3-4 - shift malfunction Wiring, TR sensor, shift solenoids, transmission mechanical fault  
P0784 Gear selection, 4-5 - shift malfunction Wiring, TR sensor, shift solenoids, transmission mechanical fault  
P0785 Shift/timing solenoid - circuit malfunction Wiring, shift/timing solenoid, ECM/TCM  
P0786 Shift/timing solenoid - range/performance problem Wiring, shift/timing solenoid  
P0787 Shift/timing solenoid - low Wiring short to ground, shift/timing solenoid, ECM/TCM  
P0788 Shift/timing solenoid - high Wiring short to positive, shift/timing solenoid, ECM/TCM  
P0789 Shift/timing solenoid - intermittent Wiring, poor connection, shift/timing solenoid, ECM/TCM  
P0790 Transmission mode selection switch - circuit malfunction Wiring, transmission mode selection switch, ECM/TCM  
P0791 Intermediate shaft speed sensor - circuit malfunction Wiring, poor connection, intermediate shaft speed sensor, ECM/TCM  
P0792 Intermediate shaft speed sensor - range/performance problem Wiring, poor connection, intermediate shaft speed sensor, ECM/TCM  
P0793 Intermediate shaft speed sensor - no signal Wiring, poor connection, short to ground, intermediate shaft speed sensor, ECM/TCM  
P0794 Intermediate shaft speed sensor - intermittent circuit malfunction Wiring, poor connection, intermediate shaft speed sensor, ECM/TCM  
P0795 Transmission fluid pressure (TFP) solenoid C - circuit malfunction Wiring, poor connection, TFP solenoid, ECM/TCM  
P0796 Transmission fluid pressure (TFP) solenoid C - performance or stuck off Wiring, poor connection, TFP solenoid, ECM/TCM  
P0797 Transmission fluid pressure (TFP) solenoid C - stuck on Wiring, poor connection, TFP solenoid, ECM/TCM  
P0798 Transmission fluid pressure (TFP) solenoid C - electrical malfunction Wiring, poor connection, TFP solenoid, ECM/TCM  
P0799 Transmission fluid pressure (TFP) solenoid C - intermittent circuit malfunction Wiring, poor connection, ECM/TCM  
P0800 Transfer case control system, MIL request - malfunction Wiring, mechanical fault  
P0801 Reverse inhibit circuit - malfunction Wiring, poor connection  
P0802 Transmission control system, MIL request - circuit open Wiring, mechanical fault  
P0803 1-4 Up shift (Skip shift) solenoid - circuit malfunction Wiring, poor connection, up shift solenoid  
P0804 1-4 Up shift (Skip shift) warning lamp - circuit malfunction Wiring, poor connection  
P0805 Clutch position sensor - circuit malfunction Wiring, poor connection, clutch position sensor, ECM/TCM  
P0806 Clutch position sensor - range/performance problem Wiring, poor connection, clutch position sensor, ECM/TCM  
P0807 Clutch position sensor - low input Wiring, short to ground, clutch position sensor, ECM/TCM  
P0808 Clutch position sensor - high input Wiring, short to positive, clutch position sensor, ECM/TCM  
P0809 Clutch position sensor - intermittent circuit malfunction Wiring, poor connection, clutch position sensor, ECM/TCM  
P0810 Clutch position control error Wiring, poor connection, ECM/TCM

P0811 Excessive clutch slip Wiring, poor connection, mechanical fault, ECM/TCM  
P0812 Reverse gear - input circuit malfunction Wiring, poor connection, ECM/TCM  
P0813 Reverse gear - output circuit malfunction Wiring, poor connection, ECM/TCM  
P0814 Transmission range (TR) display - circuit malfunction Wiring, poor connection, TR sensor, ECM/TCM  
P0815 Up shift switch - circuit malfunction Wiring, poor connection, up shift switch, ECM/TCM  
P0816 Downshift switch - circuit malfunction Wiring, poor connection, downshift switch, ECM/TCM  
P0817 Starter disable circuit - malfunction Wiring, poor connection, ECM/TCM  
P0818 Driveline disconnect switch - circuit malfunction Wiring, poor connection, up shift switch, ECM/TCM  
P0819 Up and down shift switch to transmission range - correlation Wiring, poor connection, TR sensor, ECM/TCM  
P0820 Gear lever X-Y position sensor - circuit malfunction Wiring, poor connection, gear lever position sensor, ECM/TCM  
P0821 Gear lever X position sensor - circuit malfunction Wiring, poor connection, gear lever position sensor, ECM/TCM  
P0822 Gear lever Y position sensor - circuit malfunction Wiring, poor connection, gear lever position sensor, ECM/TCM  
P0823 Gear lever X position sensor - circuit intermittent Wiring, poor connection, gear lever position sensor, ECM/TCM  
P0824 Gear lever Y position sensor - circuit intermittent Wiring, poor connection, gear lever position sensor, ECM/TCM  
P0825 Gear lever push-pull switch - circuit malfunction Wiring, poor connection, gear lever push-pull switch, ECM/TCM  
P0826 Up and down switch - input circuit Wiring, Up/down switch  
P0827 Up and down switch - input circuit low Wiring short to ground, Up/down switch  
P0828 Up and down switch - input circuit high Wiring short to positive, Up/down switch  
P0829 5-6 Shift Mechanical fault  
P0830 Clutch pedal position (CPP) switch A - circuit malfunction Wiring, poor connection, CPP switch, ECM/TCM  
P0831 Clutch pedal position (CPP) switch A - low input Wiring, short to ground, CPP switch, ECM/TCM  
P0832 Clutch pedal position (CPP) switch A - high input Wiring, short to positive, CPP switch, ECM/TCM  
P0833 Clutch pedal position (CPP) switch B - circuit malfunction Wiring, poor connection, CPP switch, ECM/TCM  
P0834 Clutch pedal position (CPP) switch B - low input Wiring, short to ground, CPP switch, ECM/TCM  
P0835 Clutch pedal position (CPP) switch B - high input Wiring, short to positive, CPP switch, ECM/TCM  
P0836 Four wheel drive switch - circuit malfunction Wiring, poor connection, four wheel drive switch, ECM/TCM  
P0837 Four wheel drive switch - range/performance problem Wiring, poor connection, four wheel drive switch, ECM/TCM  
P0838 Four wheel drive switch - low input Wiring, short to ground, four wheel drive switch, ECM/TCM  
P0839 Four wheel drive switch - high input Wiring, short to positive, four wheel drive switch, ECM/TCM  
P0840 Transmission fluid pressure (TFP) sensor A - circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM Transmission fluid pressure (TFP) switch A - circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM  
P0841 Transmission fluid pressure (TFP) sensor A - range/performance problem Wiring, poor connection, TFP sensor, ECM/TCM Transmission fluid pressure (TFP) switch A - range/performance problem Wiring, poor connection, TFP switch, ECM/TCM  
P0842 Transmission fluid pressure (TFP) sensor A - low input Wiring, short to ground, TFP sensor, ECM/TCM Transmission fluid pressure (TFP) switch A - low input Wiring, short to ground, TFP switch, ECM/TCM  
P0843 Transmission fluid pressure (TFP) sensor A - high input Wiring, short to positive, TFP sensor, ECM/TCM Transmission fluid pressure (TFP) switch A - high input Wiring, short to positive, TFP switch, ECM/TCM  
P0844 Transmission fluid pressure (TFP) sensor A - intermittent circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM

P0845 Transmission fluid pressure (TFP) switch A - intermittent circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM  
P0846 Transmission fluid pressure (TFP) sensor B - range/performance problem Wiring, poor connection, TFP sensor, ECM/TCM  
P0847 Transmission fluid pressure (TFP) switch B - range/performance problem Wiring, poor connection, TFP switch, ECM/TCM  
P0848 Transmission fluid pressure (TFP) sensor B - high input Wiring, short to positive, TFP sensor, ECM/TCM  
P0849 Transmission fluid pressure (TFP) sensor B - intermittent circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM  
P0850 Park/neutral position (PNP) switch - input circuit malfunction Wiring, PNP switch, ECM/TCM  
P0851 Park/neutral position (PNP) switch - input circuit low Wiring, short to ground, PNP switch, ECM/TCM  
P0852 Park/neutral position (PNP) switch - input circuit high Wiring, short to positive, PNP switch, ECM/TCM  
P0853 Drive switch - input circuit malfunction Wiring, drive switch, ECM/TCM  
P0854 Drive switch - input circuit low Wiring, short to ground, drive switch, ECM/TCM  
P0855 Drive switch - input circuit high Wiring, short to positive, drive switch, ECM/TCM  
P0856 Traction control input signal - malfunction Wiring, poor connection, ECM/TCM  
P0857 Traction control input signal - range/performance problem Wiring, poor connection, ECM/TCM  
P0858 Traction control input signal - low Wiring, short to ground, ECM/TCM  
P0859 Traction control input signal - high Wiring, short to positive, ECM/TCM  
P0860 Gear shift module communication circuit - malfunction Wiring, poor connection, gear shift module, ECM/TCM  
P0861 Gear shift module communication circuit - low input Wiring, short to ground, gear shift module, ECM/TCM  
P0862 Gear shift module communication circuit - low input Wiring, short to positive, gear shift module, ECM/TCM  
P0863 Transmission control module (TCM) communication circuit - malfunction Wiring, poor connection, TCM  
P0864 Transmission control module (TCM) communication circuit - range/performance problem Wiring, poor connection, TCM  
P0865 Transmission control module (TCM) communication circuit - low input Wiring, short to ground, TCM  
P0866 Transmission control module (TCM) communication circuit - high input Wiring, short to positive, TCM  
P0867 Transmission fluid pressure (TFP) sensor Wiring, poor connection, TFP switch, ECM/TCM  
P0868 Transmission fluid pressure (TFP) sensor - low Wiring, short to ground, TFP switch, ECM/TCM  
P0869 Transmission fluid pressure (TFP) sensor - high Wiring, short to positive, TFP switch, ECM/TCM  
P0870 Transmission fluid pressure (TFP) sensor C - circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM  
P0871 Transmission fluid pressure (TFP) switch C - circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM  
P0872 Transmission fluid pressure (TFP) sensor C - range/performance Wiring, poor connection, TFP sensor, ECM/TCM  
P0873 Transmission fluid pressure (TFP) switch C - range/performance Wiring, poor connection, TFP switch, ECM/TCM  
P0874 Transmission fluid pressure (TFP) sensor C - low input Wiring, short to ground, TFP sensor, ECM/TCM  
P0875 Transmission fluid pressure (TFP) switch C - low input Wiring, short to ground, TFP switch, ECM/TCM  
P0876 Transmission fluid pressure (TFP) sensor C - high input Wiring, short to positive, TFP sensor, ECM/TCM

pressure (TFP) switch C - high input Wiring, short to positive, TFP switch, ECM/TCM  
P0874 Transmission fluid pressure (TFP) sensor C - intermittent circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch C - intermittent circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM  
P0875 Transmission fluid pressure (TFP) sensor D - circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch D - circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM  
P0876 Transmission fluid pressure (TFP) sensor D - range/performance Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch D - range/performance Wiring, poor connection, TFP switch, ECM/TCM  
P0877 Transmission fluid pressure (TFP) sensor D - low input Wiring, short to ground, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch D - low input Wiring, short to ground, TFP switch, ECM/TCM  
P0878 Transmission fluid pressure (TFP) sensor D - high input Wiring, short to positive, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch D - high input Wiring, short to positive, TFP switch, ECM/TCM  
P0879 Transmission fluid pressure (TFP) sensor D - intermittent circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch D - intermittent circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM  
P0880 Transmission control module (TCM) - power input signal malfunction Wiring, poor connection, TCM  
P0881 Transmission control module (TCM) - power input signal range/performance Wiring, poor connection, TCM  
P0882 Transmission control module (TCM) - power input signal low Wiring, short to ground, TCM  
P0883 Transmission control module (TCM) - power input signal high Wiring, short to positive, TCM  
P0884 Transmission control module (TCM) - power input signal intermittent malfunction Wiring, poor connection, TCM  
P0885 Transmission control module (TCM) power relay - control circuit open Wiring, poor connection, TCM power relay, TCM  
P0886 Transmission control module (TCM) power relay - control circuit low Wiring, short to ground, TCM power relay, TCM  
P0887 Transmission control module (TCM) power relay - control circuit high Wiring, short to positive, TCM power relay, TCM  
P0888 Transmission control module (TCM) power relay - sense circuit malfunction Wiring, poor connection, TCM power relay, TCM  
P0889 Transmission control module (TCM) power relay - sense circuit range/performance Wiring, poor connection, TCM power relay, TCM  
P0890 Transmission control module (TCM) power relay - sense circuit low Wiring, short to ground, TCM power relay, TCM  
P0891 Transmission control module (TCM) power relay - sense circuit high Wiring, short to positive, TCM power relay, TCM  
P0892 Transmission control module (TCM) power relay - sense circuit intermittent malfunction Wiring, poor connection, TCM power relay, TCM  
P0893 Multiple gears engaged Mechanical fault  
P0894 Transmission component slipping Mechanical fault  
P0895 Shift time too short Mechanical fault  
P0896 Shift time too long Mechanical fault  
P0897 Transmission fluid deteriorated Mechanical fault  
P0898 Transmission control system - MIL request - circuit low Wiring, poor connection, short to ground  
P0899 Transmission control system - MIL request - circuit high Wiring, poor connection, short to positive  
P0900 Clutch actuator - circuit open Wiring, clutch actuator, ECM/TCM  
P0901 Clutch actuator - circuit range/performance Wiring, poor connection, clutch actuator, ECM/TCM  
P0902 Clutch actuator - circuit low Wiring, short to ground, clutch actuator, ECM/TCM

P0903 Clutch actuator - circuit high Wiring, short to positive, clutch actuator, ECM/TCM  
P0904 Transmission gate select position circuit - malfunction Wiring, poor connection, ECM/TCM  
P0905 Transmission gate select position circuit - range/performance Wiring, poor connection, ECM/TCM  
P0906 Transmission gate select position circuit - low Wiring, short to ground, ECM/TCM  
P0907 Transmission gate select position circuit - high Wiring, short to positive, ECM/TCM  
P0908 Transmission gate select position circuit - intermittent circuit malfunction Wiring, poor connection, ECM/TCM  
P0909 Transmission gate select control error Mechanical fault  
P0910 Transmission gate select actuator - circuit open Wiring, transmission gate select actuator, ECM/TCM  
P0911 Transmission gate select actuator - circuit range/performance Wiring, poor connection, transmission gate select actuator, ECM/TCM  
P0912 Transmission gate select actuator - circuit low Wiring, short to ground, transmission gate select actuator, ECM/TCM  
P0913 Transmission gate select actuator - circuit high Wiring, short to positive, transmission gate select actuator, ECM/TCM  
P0914 Gear shift position circuit - malfunction Wiring, poor connection, ECM/TCM  
P0915 Gear shift position circuit - range/performance Wiring, poor connection, ECM/TCM  
P0916 Gear shift position circuit - low Wiring, short to ground, ECM/TCM  
P0917 Gear shift position circuit - high Wiring, short to positive, ECM/TCM  
P0918 Gear shift position circuit - intermittent malfunction Wiring, poor connection, ECM/TCM  
P0919 Gear shift position control - error Wiring, poor connection, ECM/TCM  
P0820 Gear shift forward actuator - circuit open Wiring, gear shift forward actuator, ECM/TCM  
P0821 Gear shift forward actuator - circuit range/performance Wiring, poor connection, gear shift forward actuator, ECM/TCM  
P0822 Gear shift forward actuator - circuit low Wiring, short to ground, gear shift forward actuator, ECM/TCM  
P0823 Gear shift forward actuator - circuit high Wiring, short to positive, gear shift forward actuator, ECM/TCM  
P0824 Gear shift reverse actuator - circuit open Wiring, gear shift reverse actuator, ECM/TCM  
P0825 Gear shift reverse actuator - circuit range/performance Wiring, poor connection, gear shift reverse actuator, ECM/TCM  
P0826 Gear shift reverse actuator - circuit low Wiring, short to ground, gear shift reverse actuator, ECM/TCM  
P0927 Gear shift reverse actuator - circuit high Wiring, short to positive, gear shift reverse actuator, ECM/TCM  
P0928 Gear shift lock solenoid - circuit open Wiring, gear shift lock solenoid, ECM/TCM  
P0929 Gear shift lock solenoid - circuit range/performance Wiring, gear shift lock solenoid, ECM/TCM  
P0930 Gear shift lock solenoid - circuit low Wiring, short to ground, gear shift lock solenoid, ECM/TCM  
P0931 Gear shift lock solenoid - circuit high Wiring, short to positive, gear shift lock solenoid, ECM/TCM  
P0932 Hydraulic pressure sensor - circuit malfunction Wiring, poor connection, hydraulic pressure sensor, ECM/TCM  
P0933 Hydraulic pressure sensor - range/performance Wiring, hydraulic pressure sensor, ECM/TCM  
P0934 Hydraulic pressure sensor - circuit low input Wiring, short to ground, hydraulic pressure sensor, ECM/TCM  
P0935 Hydraulic pressure sensor - circuit high input Wiring, short to positive, hydraulic pressure sensor, ECM/TCM  
P0936 Hydraulic pressure sensor - circuit intermittent Wiring, poor connection, hydraulic pressure sensor, ECM/TCM  
P0937 Hydraulic oil temperature sensor - circuit malfunction Wiring, poor connection, hydraulic oil temperature sensor, ECM/TCM  
P0938 Hydraulic oil temperature sensor - range/performance Wiring, hydraulic oil temperature sensor, ECM/TCM  
P0939 Hydraulic oil temperature sensor - circuit low input Wiring, short to ground, hydraulic oil temperature sensor, ECM/TCM

P0940 Hydraulic oil temperature sensor - circuit high input Wiring, short to positive, hydraulic oil temperature sensor, ECM/TCM  
P0941 Hydraulic oil temperature sensor - circuit intermittent Wiring, poor connection, hydraulic oil temperature sensor, ECM/TCM  
P0942 Hydraulic pressure unit Mechanical fault  
P0943 Hydraulic pressure unit - cycling period too short Mechanical fault  
P0944 Hydraulic pressure unit - loss of pressure Mechanical fault  
P0945 Hydraulic pump relay - circuit open Wiring, hydraulic pump relay, ECM/TCM  
P0946 Hydraulic pump relay - circuit range/performance Wiring, hydraulic pump relay, ECM/TCM  
P0947 Hydraulic pump relay - circuit low Wiring, short to ground, hydraulic pump relay, ECM/TCM  
P0948 Hydraulic pump relay - circuit high Wiring, short to positive, hydraulic pump relay, ECM/TCM  
P0949 ASM - adaptive learning not done ECM/TCM  
P0850 ASM control circuit Wiring, poor connection, ECM/TCM  
P0851 ASM control circuit - range/performance Wiring, poor connection, ECM/TCM  
P0852 ASM control circuit - low Wiring, poor connection, short to ground, ECM/TCM  
P0853 ASM control circuit - high Wiring, poor connection, short to positive, ECM/TCM  
P0854 ASM - intermittent circuit malfunction Wiring, poor connection, ECM/TCM  
P0855 ASM mode circuit - malfunction Wiring, poor connection, ECM/TCM  
P0856 ASM mode circuit - range/performance Wiring, poor connection, ECM/TCM  
P0957 ASM mode circuit - low Wiring, poor connection, short to ground, ECM/TCM  
P0958 ASM mode circuit - high Wiring, poor connection, short to positive, ECM/TCM  
P0959 ASM mode circuit - intermittent circuit malfunction Wiring, poor connection, ECM/TCM  
P0960 Pressure control (PC) solenoid A - control circuit open Wiring, poor connection, pressure control solenoid, ECM/TCM  
P0961 Pressure control (PC) solenoid A - control circuit range/performance Wiring, poor connection, pressure control solenoid, ECM/TCM  
P0962 Pressure control (PC) solenoid A - control circuit low Wiring, short to ground, pressure control solenoid, ECM/TCM  
P0963 Pressure control (PC) solenoid A - control circuit high Wiring, short to positive, pressure control solenoid, ECM/TCM  
P0964 Pressure control (PC) solenoid B - control circuit open Wiring, poor connection, pressure control solenoid, ECM/TCM  
P0965 Pressure control (PC) solenoid B - control circuit range/performance Wiring, poor connection, pressure control solenoid, ECM/TCM  
P0966 Pressure control (PC) solenoid B - control circuit low Wiring, short to ground, pressure control solenoid, ECM/TCM  
P0967 Pressure control (PC) solenoid B - control circuit high Wiring, short to positive, pressure control solenoid, ECM/TCM  
P0968 Pressure control (PC) solenoid C - control circuit open Wiring, poor connection, pressure control solenoid, ECM/TCM  
P0969 Pressure control (PC) solenoid C - control circuit range/performance Wiring, poor connection, pressure control solenoid, ECM/TCM  
P0970 Pressure control (PC) solenoid C - control circuit low Wiring, short to ground, pressure control solenoid, ECM/TCM  
P0971 Pressure control (PC) solenoid C - control circuit high Wiring, short to positive, pressure control solenoid, ECM/TCM  
P0972 Shift solenoid (SS) A - control circuit range/performance Wiring, poor connection, shift solenoid, ECM/TCM  
P0973 Shift solenoid (SS) A - control circuit low Wiring, short to ground, shift solenoid, ECM/TCM  
P0974 Shift solenoid (SS) A - control circuit high Wiring, short to positive, shift solenoid, ECM/TCM

P0975 Shift solenoid (SS) B - control circuit range/performance Wiring, poor connection, shift solenoid, ECM/TCM

P0976 Shift solenoid (SS) B - control circuit low Wiring, short to ground, shift solenoid, ECM/TCM

P0977 Shift solenoid (SS) B - control circuit high Wiring, short to positive, shift solenoid, ECM/TCM

P0978 Shift solenoid (SS) C - control circuit range/performance Wiring, poor connection, shift solenoid, ECM/TCM

P0979 Shift solenoid (SS) C - control circuit low Wiring, short to ground, shift solenoid, ECM/TCM

P0980 Shift solenoid (SS) C - control circuit high Wiring, short to positive, shift solenoid, ECM/TCM

P0981 Shift solenoid (SS) D - control circuit range/performance Wiring, poor connection, shift solenoid, ECM/TCM

P0982 Shift solenoid (SS) D - control circuit low Wiring, short to ground, shift solenoid, ECM/TCM

P0983 Shift solenoid (SS) D - control circuit high Wiring, short to positive, shift solenoid, ECM/TCM

P0984 Shift solenoid (SS) E - control circuit range/performance Wiring, poor connection, shift solenoid, ECM/TCM

P0985 Shift solenoid (SS) E - control circuit low Wiring, short to ground, shift solenoid, ECM/TCM

P0986 Shift solenoid (SS) E - control circuit high Wiring, short to positive, shift solenoid, ECM/TCM

P0987 Transmission fluid pressure (TFP) sensor E - circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch E - circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM

P0988 Transmission fluid pressure (TFP) sensor E - circuit range/performance Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch E - circuit range/performance Wiring, poor connection, TFP switch, ECM/TCM

P0989 Transmission fluid pressure (TFP) sensor E - circuit low Wiring, short to ground, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch E - circuit low Wiring, short to ground, TFP switch, ECM/TCM

P0990 Transmission fluid pressure (TFP) sensor E - circuit high Wiring, short to positive, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch E - circuit high Wiring, short to positive, TFP switch, ECM/TCM

P0991 Transmission fluid pressure (TFP) sensor E - circuit intermittent Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch E - circuit intermittent Wiring, poor connection, TFP switch, ECM/TCM

P0992 Transmission fluid pressure (TFP) sensor F - circuit malfunction Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch F - circuit malfunction Wiring, poor connection, TFP switch, ECM/TCM

P0993 Transmission fluid pressure (TFP) sensor F - circuit range/performance Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch F - circuit range/performance Wiring, poor connection, TFP switch, ECM/TCM

P0994 Transmission fluid pressure (TFP) sensor F - circuit low Wiring, short to ground, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch F - circuit low Wiring, short to ground, TFP switch, ECM/TCM

P0995 Transmission fluid pressure (TFP) sensor F - circuit high Wiring, short to positive, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch F - circuit high Wiring, short to positive, TFP switch, ECM/TCM

P0996 Transmission fluid pressure (TFP) sensor F - circuit intermittent Wiring, poor connection, TFP sensor, ECM/TCM  
Transmission fluid pressure (TFP) switch F - circuit intermittent Wiring, poor connection, TFP switch, ECM/TCM

P0997 Shift solenoid (SS) F - control circuit range/performance Wiring, poor connection, shift solenoid, ECM/TCM

P0998 Shift solenoid (SS) F - control circuit low Wiring, short to ground, shift solenoid, ECM/TCM

P0999 Shift solenoid (SS) F - control circuit high Wiring, short to positive, shift solenoid, ECM/TCM