

## Diagnostic Trouble Codes

P 0 1 0 1

1 2 3 4 5

1st digit

P = power train

B = Body

C = Chassis

2nd digit

0 = Standard

1 = Manufacturer specific

3rd digit

1 = Emission management 2 = Injector circuit

3 = Ignition 4 = Auxiliary emission

5 = Vehicle speed & idle control

6 = Computer & output circuit

7 = Transmission

P0100 Mass or Volume Air Flow Circuit Malfunction

P0101 Mass or Volume Air Flow Circuit Range/Performance Problem

P0102 Mass or Volume Air Flow Circuit Low Input

P0103 Mass or Volume Air Flow Circuit High Input

P0104 Mass or Volume Air Flow Circuit Intermittent

P0105 Manifold Absolute Pressure/Barometric Pressure Circuit Malfunction

P0106 Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance Problem

P0107 Manifold Absolute Pressure/Barometric Pressure Circuit Low Input

P0108 Manifold Absolute Pressure/Barometric Pressure Circuit High Input

P0109 Manifold Absolute Pressure/Barometric Pressure Circuit Intermittent

P0109 Intake Air Temperature Circuit Malfunction

P0110 IAT Circuit Malfunction

P0111 Intake Air Temperature Circuit Range/Performance Problem

P0112 Intake Air Temperature Circuit Low Input

P0113 Intake Air Temperature Circuit High Input

P0114 Intake Air Temperature Circuit Intermittent

P0115 Engine Coolant Temperature Circuit Malfunction

P0116 Engine Coolant Temperature Circuit Range/Performance Problem

P0117 Engine Coolant Temperature Circuit Low Input

P0118 Engine Coolant Temperature Circuit High Input

P0119 Engine Coolant Temperature Circuit Intermittent

P0120 Throttle Position Sensor/Switch A Circuit Malfunction

P0121 Throttle Position Sensor/Switch A Circuit Range/ Performance Problem

P0122 Throttle Position Sensor/Switch A Circuit Low Input

P0123 Throttle Position Sensor/Switch A Circuit High Input

P0124 Throttle Position Sensor/Switch A Circuit Intermittent

P0125 Insufficient Coolant Temperature for Closed Loop Fuel Control;

ECT Excessive Time to Closed Loop Fuel Control

P0126 Insufficient Coolant Temperature for Stable Operation

P0128 Coolant Thermostat Malfunction

P0130 O2 Sensor Circuit Malfunction (Bank 1 Sensor 1)

P0131 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)

P0132 O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)

P0133 O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)

P0134 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)

P0135 O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)

P0136 O2 Sensor Circuit Malfunction (Bank 1 Sensor 2)

P0137 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)

P0138 O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)

P0139 O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)

P0140 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)

P0141 O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)

P0142 O2 Sensor Circuit Malfunction (Bank 1 Sensor 3)

P0143 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 3)

P0144 O2 Sensor Circuit High Voltage (Bank 1 Sensor 3)

P0145 O2 Sensor Circuit Slow Response (Bank 1 Sensor 3)

P0146 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 3)

P0147 O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 3)  
P0150 O2 Sensor Circuit Malfunction (Bank 2 Sensor 1)  
P0151 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)  
P0152 O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)  
P0153 O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)  
P0154 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 1)  
P0155 O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)  
P0156 O2 Sensor Circuit Malfunction (Bank 2 Sensor 2)  
P0157 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)  
P0158 O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)  
P0159 O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)  
P0160 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 2)  
P0161 O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)  
P0162 O2 Sensor Circuit Malfunction (Bank 2 Sensor 3)  
P0163 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 3)  
P0164 O2 Sensor Circuit High Voltage (Bank 2 Sensor 3)  
P0165 O2 Sensor Circuit Slow Response (Bank 2 Sensor 3)  
P0166 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 3)  
P0167 O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 3)  
P0170 Fuel Trim Malfunction (Bank 1)  
P0171 Fuel Trim System Lean (Bank 1)  
P0172 Fuel Trim too Rich (Bank 1)  
P0173 Fuel Trim Malfunction (Bank 2)  
P0174 Fuel Trim too Lean (Bank 2)  
P0175 Fuel Trim too Rich (Bank 2)  
P0176 Fuel Composition Sensor Circuit Malfunction  
P0177 Fuel Composition Sensor Circuit Range/Performance  
P0178 Fuel Composition Sensor Circuit Low Input  
P0179 Fuel Composition Sensor Circuit High Input  
P0180 Fuel Temperature Sensor A Circuit Malfunction  
P0181 Fuel Temperature Sensor A Circuit Range/Performance  
P0182 Fuel Temperature Sensor A Circuit Low Input  
P0183 Fuel Temperature Sensor A Circuit High Input  
P0184 Fuel Temperature Sensor A Circuit Intermittent  
P0185 Fuel Temperature Sensor B Circuit Malfunction  
P0186 Fuel Temperature Sensor B Circuit Range/Performance  
P0187 Fuel Temperature Sensor B Circuit Low Input  
P0188 Fuel Temperature Sensor B Circuit High Input  
P0189 Fuel Temperature Sensor B Circuit Intermittent  
P0190 Fuel Rail Pressure Sensor Circuit Malfunction  
P0191 Fuel Rail Pressure Sensor Circuit Range/Performance  
P0192 Fuel Rail Pressure Sensor Circuit Low Input  
P0193 Fuel Rail Pressure Sensor Circuit High Input  
P0194 Fuel Rail Pressure Sensor Circuit Intermittent  
P0195 Engine Oil Temperature Sensor Malfunction  
P0196 Engine Oil Temperature Sensor Range/Performance  
P0197 Engine Oil Temperature Sensor Low  
P0198 Engine Oil Temperature Sensor High  
P0199 Engine Oil Temperature Sensor Intermittent  
P0200 Injector Circuit Malfunction  
P0201 Injector Circuit Malfunction - Cylinder 1  
P0202 Injector Circuit Malfunction - Cylinder 2  
P0203 Injector Circuit Malfunction - Cylinder 3  
P0204 Injector Circuit Malfunction - Cylinder 4  
P0205 Injector Circuit Malfunction - Cylinder 5  
P0206 Injector Circuit Malfunction - Cylinder 6  
P0207 Injector Circuit Malfunction - Cylinder 7  
P0208 Injector Circuit Malfunction - Cylinder 8  
P0209 Injector Circuit Malfunction - Cylinder 9  
P0210 Injector Circuit Malfunction - Cylinder 10  
P0211 Injector Circuit Malfunction - Cylinder 11  
P0212 Injector Circuit Malfunction - Cylinder 12  
P0213 Cold Start Injector 1 Malfunction

P0214 Cold Start Injector 2 Malfunction  
P0215 Engine Shutoff Solenoid Malfunction  
P0216 Injection Timing Control Circuit Malfunction  
P0217 Engine Overtemp Condition  
P0218 Transmission Over Temperature Condition  
P0219 Engine Over speed Condition  
P0220 Throttle/Petal Position Sensor/Switch B Circuit Malfunction  
P0221 Throttle/Petal Position Sensor/Switch B Circuit Range/ Performance Problem  
P0222 Throttle/Petal Position Sensor/Switch B Circuit Low Input  
P0223 Throttle/Petal Position Sensor/Switch B Circuit High Input  
P0224 Throttle/Petal Position Sensor/Switch B Circuit Intermittent  
P0225 Throttle/Petal Position Sensor/Switch C Circuit Malfunction  
P0226 Throttle/Petal Position Sensor/Switch C Circuit Range/Performance Problem  
P0227 Throttle/Petal Position Sensor/Switch C Circuit Low Input  
P0228 Throttle/Petal Position Sensor/Switch C Circuit High Input  
P0229 Throttle/Petal Position Sensor/Switch C Circuit Intermittent  
P0230 Fuel Pump Primary Circuit Malfunction  
P0231 Fuel Pump Secondary Circuit Low  
P0232 Fuel Pump Secondary Circuit High  
P0233 Fuel Pump Secondary Circuit Intermittent  
P0234 Engine Overboost Condition  
P0235 Turbocharger Boost Sensor A Circuit Malfunction  
P0236 Turbocharger Boost Sensor A Circuit Range/Performance  
P0237 Turbocharger Boost Sensor A Circuit Low  
P0238 Turbocharger Boost Sensor A Circuit High  
P0239 Turbocharger Boost Sensor B Malfunction  
P0240 Turbocharger Boost Sensor B Circuit Range/Performance  
P0241 Turbocharger Boost Sensor B Circuit Low  
P0242 Turbocharger Boost Sensor B Circuit High  
P0243 Turbocharger Wastegate Solenoid A Malfunction  
P0244 Turbocharger Wastegate Solenoid A Range/Performance  
P0245 Turbocharger Wastegate Solenoid A Low  
P0246 Turbocharger Wastegate Solenoid A High  
P0247 Turbocharger Wastegate Solenoid B Malfunction  
P0248 Turbocharger Wastegate Solenoid B Range/Performance  
P0249 Turbocharger Wastegate Solenoid B Low  
P0250 Turbocharger Wastegate Solenoid B High  
P0251 Injection Pump Fuel Metering Control Malfunction(Cam/Rotor/Injector)  
P0252 Injection Pump Fuel Metering Control Range/  
Performance (Cam/Rotor/Injector)  
P0253 Injection Pump Fuel Metering Control Low (Cam/Rotor/Injector)  
P0254 Injection Pump Fuel Metering Control High (Cam/Rotor/Injector)  
P0255 Injection Pump Fuel Metering Control Intermittent(Cam/Rotor/Injector)  
P0256 Injection Pump Fuel Metering Control Malfunction(Cam/Rotor/Injector)  
P0257 Injection Pump Fuel Metering Control Range/Performance (Cam/Rotor/Injector)  
P0258 Injection Pump Fuel Metering Control Low (Cam/Rotor/Injector)  
P0259 Injection Pump Fuel Metering Control High (Cam/Rotor/Injector)  
P0260 Injection Pump Fuel Metering Control Intermittent(Cam/Rotor/Injector)  
P0261 Cylinder 1 Injector Circuit Low  
P0262 Cylinder 1 Injector Circuit High  
P0263 Cylinder 1 Contribution/Balance Fault  
P0264 Cylinder 2 Injector Circuit Low  
P0265 Cylinder 2 Injector Circuit High  
P0266 Cylinder 2 Contribution/Balance Fault  
P0267 Cylinder 3 Injector Circuit Low  
P0268 Cylinder 3 Injector Circuit High  
P0269 Cylinder 3 Contribution/Balance Fault  
P0270 Cylinder 4 Injector Circuit Low  
P0271 Cylinder 4 Injector Circuit High  
P0272 Cylinder 4 Contribution/Balance Fault  
P0273 Cylinder 5 Injector Circuit Low  
P0274 Cylinder 5 Injector Circuit High  
P0275 Cylinder 5 Contribution/Balance Fault

P0276 Cylinder 6 Injector Circuit Low 10  
P0277 Cylinder 6 Injector Circuit High  
P0278 Cylinder 6 Contribution/Balance Fault  
P0279 Cylinder 7 Injector Circuit Low  
P0280 Cylinder 7 Injector Circuit High  
P0281 Cylinder 7 Contribution/Balance Fault  
P0282 Cylinder 8 Injector Circuit Low  
P0283 Cylinder 8 Injector Circuit High  
P0284 Cylinder 8 Contribution/Balance Fault  
P0285 Cylinder 9 Injector Circuit Low  
P0286 Cylinder 9 Injector Circuit High  
P0287 Cylinder 9 Contribution/Balance Fault  
P0288 Cylinder 10 Injector Circuit Low  
P0289 Cylinder 10 Injector Circuit High  
P0290 Cylinder 10 Contribution/Balance Fault  
P0291 Cylinder 11 Injector Circuit Low  
P0292 Cylinder 11 Injector Circuit High  
P0293 Cylinder 11 Contribution/Balance Fault  
P0294 Cylinder 12 Injector Circuit Low  
P0295 Cylinder 12 Injector Circuit High  
P0296 Cylinder 12 Contribution/Range Fault  
P0300 Random/Multiple Cylinder Misfire Detected  
P0301 Cylinder 1 Misfire Detected  
P0302 Cylinder 2 Misfire Detected  
P0303 Cylinder 3 Misfire Detected  
P0304 Cylinder 4 Misfire Detected  
P0305 Cylinder 5 Misfire Detected  
P0306 Cylinder 6 Misfire Detected  
P0307 Cylinder 7 Misfire Detected  
P0308 Cylinder 8 Misfire Detected  
P0309 Cylinder 9 Misfire Detected  
P0310 Cylinder 10 Misfire Detected  
P0311 Cylinder 11 Misfire Detected  
P0312 Cylinder 12 Misfire Detected 11  
P0320 Ignition/Distributor Engine Speed Input Circuit Malfunction  
P0321 Ignition/Distributor Engine Speed Input Circuit Range/Performance  
P0322 Ignition/Distributor Engine Speed Input Circuit No Signal  
P0323 Ignition/Distributor Engine Speed Input Circuit Intermittent  
P0325 Knock Sensor 1 Circuit Malfunction (Bank 1 or Single Sensor)  
P0326 Knock Sensor 1 Circuit Range/Performance (Bank 1 or Single Sensor)  
P0327 Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)  
P0328 Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)  
P0329 Knock Sensor 1 Circuit Intermittent (Bank 1 or Single Sensor)  
P0330 Knock Sensor 2 Circuit Malfunction (Bank 2)  
P0331 Knock Sensor 2 Circuit Range/Performance (Bank 2)  
P0332 Knock Sensor 2 Circuit Low Input (Bank 2)  
P0333 Knock Sensor 2 Circuit High Input (Bank 2)  
P0334 Knock Sensor 2 Circuit Intermittent (Bank 2)  
P0335 Crankshaft Position Sensor A Circuit Malfunction  
P0336 Crankshaft Position Sensor A Circuit Range/Performance  
P0337 Crankshaft Position Sensor A Circuit Low Input  
P0338 Crankshaft Position Sensor A Circuit High Input  
P0339 Crankshaft Position Sensor A Circuit Intermittent  
P0340 Camshaft Position Sensor Circuit Malfunction  
P0341 Camshaft Position Sensor Circuit Range/Performance  
P0342 Camshaft Position Sensor Circuit Low Input  
P0343 Camshaft Position Sensor Circuit High Input 12  
P0344 Camshaft Position Sensor Circuit Intermittent  
P0350 Ignition Coil Primary/Secondary Circuit Malfunction  
P0351 Ignition Coil A Primary/Secondary Circuit Malfunction  
P0352 Ignition Coil B Primary/Secondary Circuit Malfunction  
P0353 Ignition Coil C Primary/Secondary Circuit Malfunction  
P0354 Ignition Coil D Primary/Secondary Circuit Malfunction  
P0355 Ignition Coil E Primary/Secondary Circuit Malfunction  
P0356 Ignition Coil F Primary/Secondary Circuit Malfunction  
P0357 Ignition Coil G Primary/Secondary Circuit Malfunction

P0358 Ignition Coil H Primary/Secondary Circuit Malfunction  
P0359 Ignition Coil I Primary/Secondary Circuit Malfunction  
P0360 Ignition Coil J Primary/Secondary Circuit Malfunction  
P0361 Ignition Coil K Primary/Secondary Circuit Malfunction  
P0362 Ignition Coil L Primary/Secondary Circuit Malfunction  
P0370 Timing Reference High Resolution Signal A Malfunction  
P0371 Timing Reference High Resolution Signal A Too Many Pulses  
P0372 Timing Reference High Resolution Signal A Too Few Pulses  
P0373 Timing Reference High Resolution Signal A Intermittent/Erratic Pulses  
P0374 Timing Reference High Resolution Signal A No Pulses  
P0375 Timing Reference High Resolution Signal B Malfunction  
P0376 Timing Reference High Resolution Signal B Too Many Pulses 13  
P0377 Timing Reference High Resolution Signal B Too Few Pulses  
P0378 Timing Reference High Resolution Signal B Intermittent/Erratic Pulses  
P0379 Timing Reference High Resolution Signal B No Pulses  
P0380 Glow Plug/Heater Circuit Malfunction  
P0381 Glow Plug/Heater Indicator Circuit Malfunction  
P0382 Exhaust Gas Recirculation Flow Malfunction  
P0385 Crankshaft Position Sensor B Circuit Malfunction  
P0386 Crankshaft Position Sensor B Circuit Range/Performance  
P0387 Crankshaft Position Sensor B Circuit Low Input  
P0388 Crankshaft Position Sensor B Circuit High Input  
P0389 Crankshaft Position Sensor B Circuit Intermittent  
P0400 Exhaust Gas Recirculation Flow Malfunction  
P0401 Exhaust Gas Recirculation Flow Insufficient Detected  
P0402 Exhaust Gas Recirculation Flow Excessive Detected  
P0403 Exhaust Gas Recirculation Circuit Malfunction  
P0404 Exhaust Gas Recirculation Circuit Range/Performance  
P0405 Exhaust Gas Recirculation Sensor A Circuit Low  
P0406 Exhaust Gas Recirculation Sensor A Circuit High  
P0407 Exhaust Gas Recirculation Sensor B Circuit Low  
P0408 Exhaust Gas Recirculation Sensor B Circuit High  
P0410 Secondary Air Injection System Malfunction  
P0411 Secondary Air Injection System Incorrect Flow Detected  
P0412 Secondary Air Injection System Switching Valve A Circuit Malfunction 14  
P0413 Secondary Air Injection System Switching Valve A Circuit Open  
P0414 Secondary Air Injection System Switching Valve A Circuit Shorted  
P0415 Secondary Air Injection System Switching Valve B Circuit Malfunction  
P0416 Secondary Air Injection System Switching Valve B Circuit Open  
P0417 Q Secondary Air Injection System Switching Valve B Circuit Shorted  
P0418 Secondary Air Injection System Relay Circuit Malfunction  
P0419 Secondary Air Injection System Relay Circuit Malfunction  
P0420 Catalyst System Efficiency Below Threshold (Bank 1)  
P0421 Warm Up Catalyst Efficiency Below Threshold (Bank 1)  
P0422 Main Catalyst Efficiency Below Threshold (Bank 1)  
P0423 Heated Catalyst Efficiency Below Threshold (Bank 1)  
P0424 Heated Catalyst Temperature Below Threshold (Bank 1)  
P0426 Catalyst Temperature Sensor Range/Performance (Bank1)  
P0427 Catalyst Temperature Sensor Low Input (Bank 1)  
P0428 Catalyst Temperature Sensor High Input (Bank 1)  
P0430 Catalyst System Efficiency Below Threshold (Bank 2)  
P0431 Warm Up Catalyst Efficiency Below Threshold (Bank 2)  
P0432 Main Catalyst Efficiency Below Threshold (Bank 2)  
P0433 Heated Catalyst Efficiency Below Threshold (Bank 2)  
P0434 Heated Catalyst Temperature Below Threshold (Bank 2)15  
P0436 Catalyst Temperature Sensor Range/Performance (Bank 2)  
P0437 Catalyst Temperature Sensor Low Input (Bank 2)  
P0438 Catalyst Temperature Sensor High Input (Bank 2)  
P0440 Evaporative Emission Control System Malfunction  
P0441 Evaporative Emission Control System Incorrect Purge Flow  
P0442 Evaporative Emission Control System Leak Detected (small leak)  
P0443 Evaporative Emission Control System Purge Control Valve Circuit Malfunction  
P0444 Evaporative Emission Control System Purge Control Valve Circuit Open  
P0445 Evaporative Emission Control System Purge Control Valve Circuit Shorted  
P0446 Evaporative Emission Control System Vent Control Circuit Malfunction  
P0447 Evaporative Emission Control System Vent Control Circuit Open

P0448 Evaporative Emission Control System Vent Control Circuit Shorted  
P0449 Evaporative Emission Control System Vent Valve/Solenoid Circuit Malfunction  
P0450 Evaporative Emission Control System Pressure Sensor Malfunction  
P0451 Evaporative Emission Control System Pressure Sensor Range/Performance  
P0452 Evaporative Emission Control System Pressure Sensor Low Input  
P0453 Evaporative Emission Control System Pressure Sensor High Input  
P0454 Evaporative Emission Control System Pressure Sensor Intermittent  
P0455 Evaporative Emission Control System Leak Detected (gross leak)  
P0460 Fuel Level Sensor Circuit Malfunction 16  
P0461 Fuel Level Sensor Circuit Range/Performance  
P0462 Fuel Level Sensor Circuit Low Input  
P0463 Fuel Level Sensor Circuit High Input  
P0464 Fuel Level Sensor Circuit Intermittent  
P0465 Purge Flow Sensor Circuit Malfunction  
P0466 Purge Flow Sensor Circuit Range/Performance  
P0467 Purge Flow Sensor Circuit Low Input  
P0468 Purge Flow Sensor Circuit High Input  
P0469 Purge Flow Sensor Circuit Intermittent  
P0470 Exhaust Pressure Sensor Malfunction  
P0471 Exhaust Pressure Sensor Range/Performance  
P0472 Exhaust Pressure Sensor Low  
P0473 Exhaust Pressure Sensor High  
P0474 Exhaust Pressure Sensor Intermittent  
P0475 Exhaust Pressure Control Valve Malfunction  
P0476 Exhaust Pressure Control Valve Range/Performance  
P0477 Exhaust Pressure Control Valve Low  
P0478 Exhaust Pressure Control Valve High  
P0479 Exhaust Pressure Control Valve Intermittent  
P0480 Cooling Fan 1 Control Circuit Malfunction  
P0481 Cooling Fan 2 Control Circuit Malfunction  
P0482 Cooling Fan 3 Control Circuit Malfunction  
P0483 Cooling Fan Rationality Check Malfunction  
P0484 Cooling Fan Circuit Over Current  
P0485 Cooling Fan Power/Ground Circuit Malfunction  
P0500 Vehicle Speed Sensor Malfunction  
P0501 Vehicle Speed Sensor Range/Performance  
P0502 Vehicle Speed Sensor Low Input  
P0503 Vehicle Speed Sensor Intermittent/Erratic/High  
P0505 Idle Control System Malfunction  
P0506 Idle Control System RPM Lower Than Expected 17  
P0507 Idle Control System RPM Higher Than Expected  
P0510 Closed Throttle Position Switch Malfunction  
P0520 Engine Oil Pressure Sensor/Switch Circuit Malfunction  
P0521 Engine Oil Pressure Sensor/Switch Circuit Range/Performance  
P0522 Engine Oil Pressure Sensor/Switch Circuit Low Voltage  
P0523 Engine Oil Pressure Sensor/Switch Circuit High Voltage  
P0530 A/C Refrigerant Pressure Sensor Circuit Malfunction  
P0531 A/C Refrigerant Pressure Sensor Circuit Range/Performance  
P0532 A/C Refrigerant Pressure Sensor Circuit Low Input  
P0533 A/C Refrigerant Pressure Sensor Circuit High Input  
P0534 Air Conditioner Refrigerant Charge Loss  
P0550 Power Steering Pressure Sensor Circuit Malfunction  
P0551 Power Steering Pressure Sensor Circuit Range/Performance  
P0552 Power Steering Pressure Sensor Circuit Low Input  
P0553 Power Steering Pressure Sensor Circuit High Input  
P0554 Power Steering Pressure Sensor Circuit Intermittent  
P0560 System Voltage Malfunction  
P0561 System Voltage Unstable  
P0562 System Voltage Low  
P0562 A/C pressure sensor low voltage(Chrysler)  
P0563 System Voltage High  
P0565 Cruise Control On Signal Malfunction  
P0566 Cruise Control Off Signal Malfunction  
P0567 Cruise Control Resume Signal Malfunction  
P0568 Cruise Control Set Signal Malfunction 18  
P0569 Cruise Control Coast Signal Malfunction

P0570 Cruise Control Accel Signal Malfunction  
P0571 Cruise Control/Brake Switch A Circuit Malfunction  
P0572 Cruise Control/Brake Switch A Circuit Low  
P0573 Cruise Control/Brake Switch A Circuit High  
P0574 Cruise Control Related Malfunction  
P0575 Cruise Control Related Malfunction  
P0576 Cruise Control Related Malfunction  
P0576 Cruise Control Related Malfunction  
P0578 Cruise Control Related Malfunction  
P0579 Cruise Control Related Malfunction  
P0580 Cruise Control Related Malfunction  
P0600 Serial Communication Link Malfunction  
P0601 Control Module Read Only Memory(ROM)  
P0602 Control Module Programming Error  
P0603 Internal Control Module Keep Alive Memory (KAM) Error  
P0604 Internal Control Module Random Access Memory (RAM) Error  
P0605 Internal Control Module Read Only Memory (ROM) Error  
P0606 PCM Processor Fault  
P0608 Control Module VSS Output Malfunction  
P0609 Control Module VSS Output Malfunction  
P0620 Generator Control Circuit Malfunction  
P0621 Generator Lamp Control Circuit Malfunction  
P0622 Generator Field Control Circuit Malfunction  
P0650 Malfunction Indicator Lamp (MIL) Control Circuit Malfunction  
P0654 Engine RPM Output Circuit Malfunction  
P0655 Engine Hot Lamp Output Control Circuit Malfunction  
P0656 Fuel Level Output Circuit Malfunction  
P0700 Transmission Control System Malfunction 19  
P0701 Transmission Control System Range/Performance  
P0702 Transmission Control System Electrical  
P0703 Torque Converter/Brake Switch B Circuit Malfunction  
P0704 Clutch Switch Input Circuit Malfunction  
P0705 Transmission Range Sensor Circuit malfunction (PRNDL) Input  
P0706 Transmission Range Sensor Circuit Range/Performance  
P0707 Transmission Range Sensor Circuit Low Input  
P0708 Transmission Range Sensor Circuit High Input  
P0709 Transmission Range Sensor Circuit Intermittent  
P0710 Transmission Fluid Temperature Sensor Circuit Malfunction  
P0711 Transmission Fluid Temperature Sensor Circuit Range/Performance  
P0712 Transmission Fluid Temperature Sensor Circuit Low Input  
P0713 Transmission Fluid Temperature Sensor Circuit High Input  
P0714 Transmission Fluid Temperature Sensor Circuit Intermittent  
P0715 Input/Turbine Speed Sensor Circuit Malfunction  
P0716 Input/Turbine Speed Sensor Circuit Range/Performance  
P0717 Input/Turbine Speed Sensor Circuit No Signal  
P0718 Input/Turbine Speed Sensor Circuit Intermittent  
P0719 Torque Converter/Brake Switch B Circuit Low  
P0720 Output Speed Sensor Circuit Malfunction  
P0721 Output Speed Sensor Range/Performance  
P0722 Output Speed Sensor No Signal  
P0723 Output Speed Sensor Intermittent  
P0724 Torque Converter/Brake Switch B Circuit High  
P0725 Engine Speed input Circuit Malfunction 20  
P0726 Engine Speed Input Circuit Range/Performance  
P0727 Engine Speed Input Circuit No Signal  
P0728 Engine Speed Input Circuit Intermittent  
P0730 Incorrect Gear Ratio  
P0731 Gear 1 Incorrect ratio  
P0732 Gear 2 Incorrect ratio  
P0733 Gear 3 Incorrect ratio  
P0734 Gear 4 Incorrect ratio  
P0735 Gear 5 Incorrect ratio  
P0736 Reverse incorrect gear ratio  
P0740 Torque Converter Clutch Circuit Malfunction  
P0741 Torque Converter Clutch Circuit Performance or Stuck Off  
P0742 Torque Converter Clutch Circuit Stuck On

P0743 Torque Converter Clutch Circuit Electrical  
P0744 Torque Converter Clutch Circuit Intermittent  
P0745 Pressure Control Solenoid Malfunction  
P0746 Pressure Control Solenoid Performance or Stuck Off  
P0747 Pressure Control Solenoid Stuck On  
P0748 Pressure Control Solenoid Electrical  
P0749 Pressure Control Solenoid Intermittent  
P0750 Shift Solenoid A Malfunction  
P0751 Shift Solenoid A Performance or Stuck Off/1-2 Shift Solenoid Valve Performance  
P0752 Shift Solenoid A Stuck On  
P0753 Shift Solenoid A Electrical/1-2 Shift Solenoid Circuit Electrical  
P0754 Shift Solenoid A Intermittent  
P0755 Shift Solenoid B Malfunction  
P0756 Shift Solenoid B Performance or Stuck Off/2-3 Shift Solenoid Valve Performance  
P0757 Shift Solenoid B Stuck On 21  
P0758 Shift Solenoid B Electrical/ 2-3 Shift Solenoid Circuit Electrical  
P0759 Shift Solenoid B Intermittent  
P0760 Shift Solenoid C Malfunction  
P0761 Shift Solenoid C Performance or Stuck Off  
P0762 Shift Solenoid C Stuck On  
P0763 Shift Solenoid C Electrical  
P0764 Shift Solenoid C Intermittent  
P0765 Shift Solenoid D Malfunction  
P0766 Shift Solenoid D Performance or Stuck Off  
P0767 Shift Solenoid D Stuck On  
P0768 Shift Solenoid D Electrical  
P0769 Shift Solenoid D Intermittent  
P0770 Shift Solenoid E Malfunction  
P0771 Shift Solenoid E Performance or Stuck Off  
P0772 Shift Solenoid E Stuck On  
P0773 Shift Solenoid E Electrical  
P0774 Shift Solenoid E Intermittent  
P0775 Pressure Control Solenoid B Malfunction  
P0776 Pressure Control Solenoid B Performance  
P0777 Pressure Control Solenoid B Stuck On  
P0778 Pressure Control Solenoid B Electrical  
P0779 Pressure Control Solenoid B Intermittent  
P0780 Shift Malfunction  
P0781 1-2 Shift Malfunction  
P0782 2-3 Shift Malfunction  
P0783 3-4 Shift Malfunction  
P0784 4-5 Shift Malfunction  
P0785 Shift/Timing Solenoid Malfunction/ 3-2 Shift Solenoid Circuit Electrical  
P0786 Shift/Timing Solenoid Range/Performance  
P0787 Shift/Timing Solenoid Low  
P0788 Shift/Timing Solenoid High  
P0789 Shift/Timing Solenoid Intermittent 22  
P0790 Normal/Performance Switch Circuit Malfunction  
P0801 Reverse Inhibit Control Circuit Malfunction  
P0803 1-4 Upshift (Skip Shift) Solenoid Control Circuit Malfunction  
P0804 1-4 Upshift (Skip Shift) Lamp Control Circuit Malfunction  
P1100 MAF Sensor Intermittent/ Check of all OBDII Systems Not Complete  
P1101MAF Sensor Out Of Self Test Range./  
KOER Not Able To Complete KOER Aborted  
P1102 MAF Sensor In Range But Lower Than Expected  
P1103 MAF Sensor In Range But Higher Than Expected  
P1104 MAF Ground Malfunction  
P1105 Dual Alternator Upper Fault  
P1106 Dual Alternator Lower Fault/ Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent High Voltage  
P1107 Dual Alternator Lower Circuit Malfunction/ Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent Low Voltage  
P1108 Dual Alternator Battery Lamp Circuit Malfunction  
P1109 IAT - B Sensor Intermittent  
P1110 IAT Sensor (D/C) Open/Short  
P1111 Intake Air Temperature (IAT) Sensor Circuit Intermittent High Voltage  
P1112 Intake Air Temperature (IAT) Sensor Circuit Intermittent Low Voltage  
P1113 IAT Sensor Open/Short



P1114 Engine Coolant Temperature (ECT) Sensor Circuit Intermittent Low Voltage/IAT - B Circuit Low Input  
P1115 Engine Coolant Temperature (ECT) Sensor Circuit Intermittent High Voltage/IAT - B Circuit High Input 23  
P1116 Engine Coolant sensor out of range/ECT Sensor Out Of Self Test Range  
P1117 Engine Coolant Sensor intermittent/ECT Sensor Intermittent  
P1118 Manifold Absolute Temperature Circuit Low Input  
P1119 Manifold Absolute Temperature Circuit High Input  
P1120 Throttle position sensor out of range  
P1121 Throttle Position (TP) Sensor Circuit Intermittent High Voltage  
P1122 Throttle Position (TP) Sensor Circuit Intermittent Low Voltage P1 Throttle Position Sensor In Range But Higher Than Expected  
P1124 Throttle Position Sensor Out Of Self Test Range  
P1125 Throttle position sensor intermittent  
P1126 Throttle Position (Narrow Range) Sensor Circuit Malfunction  
P1127 Exhaust Not Warm, Downstream O2 Sensor  
P1128 Upstream Heated O2 Sensors Swapped  
P1129 Downstream Heated O2 Sensors Swapped  
P1130 Lack Of HO2S Switch - Adaptive Fuel At Limit  
P1131 Lack Of HO2S Switch - Sensor Indicates Lean  
P1132 Lack Of HO2S Switch - Sensor Indicates Rich  
P1133 HO2S Insufficient Switching Sensor 1  
P1134 HO2S Transition Time Ratio Sensor 1  
P1135 Pedal Position Sensor A Circuit Intermittent  
P1136 Fan Control Circuit Malfunction  
P1137 Lack Of HO2S Switch - Sensor Indicates Lean  
P1138 Lack Of HO2S12 Switch - Sensor Indicates Rich  
P1139 Water In Fuel Indicator Circuit Malfunction  
P1140 Water In Fuel Condition  
P1141 Fuel Restriction Indicator Circuit Malfunction  
P1142 Fuel Restriction Condition 24  
P1143 Air Assist Control Valve Range/Performance  
P1144 Air Assist Control Valve Circuit Malfunction  
P1150 Lack Of HO2S21 Switch - Adaptive Fuel At Limit  
P1151 Lack Of HO2S21 Switch - Sensor Indicates Lean  
P1152 Lack Of HO2S21 Switch - Sensor Indicates Rich  
P1153 Bank 2 Fuel Control Shifted Lean  
P1154 Bank 2 Fuel Control Shifted Rich  
P1155 Alternative Fuel Controller  
P1156 Fuel Select Switch Malfunction  
P1157 Lack Of HO2S22 Switch - Sensor Indicates Lean  
P1158 Lack Of HO2S22 Switch - Sensor Indicates Rich  
P1159 Fuel Stepper Motor Malfunction  
P1167 Invalid Test,throttle not depressed  
P1168 Fuel Rail Sensor In-Range Low Failure  
P1169 Fuel Rail Sensor In-Range High Failure  
P1170 ESO - Engine Shut Off Solenoid Fault  
P1171 Rotor Sensor Fault  
P1172 Rotor Control Fault  
P1173 Rotor Calibration Fault  
P1174 Cam Sensor Fault  
P1175 Cam Control Fault  
P1176 Cam Calibration Fault  
P1177 Synchronization Fault  
P1178 ( open )  
P1180 Fuel Delivery System Malfunction - Low  
P1181 Fuel Delivery System Malfunction - High  
P1182 Fuel Shut Off Solenoid Malfunction  
P1183 Engine Oil Temperature Circuit Malfunction  
P1184 Engine Oil Temperature Out Of Self Test Range 25  
P1185 FTS High - Fuel Pump Temperature Sensor High  
P1186 FTS Low - Fuel Pump Temperature Sensor Low  
P1187 Variant Selection  
P1188 Calibration Memory Fault  
P1189 Pump Speed Signal Fault  
P1190 Calibration Resistor Out Of Range  
P1191 Key Line Voltage  
P1192 Voltage External

P1193 EGR Drive Overcurrent  
P1194 ECU A/D Converter  
P1195 SCP HBCC Failed To Initialize  
P1196 Key Off Voltage High  
P1197 Key Off Voltage Low  
P1198 Pump Rotor Control Underfueling  
P1199 Fuel Level Input Circuit Low  
P1200 Injector Control Circuit  
P1201 Injector Circuit Open / Shorted - Cylinder #1  
P1202 Injector Circuit Open / Shorted - Cylinder #2  
P1203 Injector Circuit Open / Shorted - Cylinder #3  
P1204 Injector Circuit Open / Shorted - Cylinder #4  
P1205 Injector Circuit Open / Shorted - Cylinder #5  
P1206 Injector Circuit Open / Shorted - Cylinder #6  
P1209 Injector Control Pressure System Fault  
P1210 Injector Control Pressure Above Expected Level  
P1211 Injector Control Pressure Sensor Above / Below Desired  
P1212 Injector Control Pressure Not Detected During Crank  
P1213 Start Injector Circuit Malfunction  
P1214 Pedal Position Sensor B Circuit Intermittent  
P1215 Pedal Position Sensor C Circuit Low Input  
P1216 Pedal Position Sensor C Circuit High Input  
P1217 Pedal Position Sensor C Circuit Intermittent 26  
P1218 CID High  
P1219 CID Low  
P1220 Series Throttle Control System Malfunction  
P1221 Traction Control System Malfunction  
P1222 Traction Control Output Circuit Malfunction  
P1223 Pedal Demand Sensor B Circuit High Input  
P1224 Throttle Position Sensor B Out Of Self Test Range  
P1225 Needle Lift Sensor Malfunction  
P1226 Control Sleeve Sensor Malfunction  
P1227 Wastegate Failed Closed (Over Pressure)  
P1228 Wastegate Failed Open (Under Pressure)  
P1229 Intercooler Pump Driver Fault  
P0 Fuel Pump Low Speed Malfunction  
P1 Fuel Pump Secondary Circuit Low, High Speed  
P2 Fuel Pump Speed Primary Circuit Malfunction  
P3 Fuel Pump Driver Module Off Line  
P4 Fuel Pump Driver Module Off Line  
P5 Fuel Pump Control Out Of Range  
P6 Fuel Pump Control Out Of Range  
P7 Fuel Pump Secondary Circuit Malfunction  
P8 Fuel Pump Secondary Circuit Malfunction  
P9 Speed Fuel Pump Positive Feed Fault  
P1240 Sensor Power Supply Malfunction  
P1241 Sensor Power Supply Low Input  
P1242 Sensor Power Supply High Input  
P1243 Second Fuel Pump Faulty or Ground Fault  
P1244 Alternator Load Input Failed High  
P1245 Alternator Load Input Failed Low  
P1246 Alternator Load Input Failed  
P1247 Turbo Boost Pressure Low  
P1248 Turbo Boost Pressure Not Detected  
P1249 Wastegate Control Valve Performance  
P1250 PRC Solenoid Circuit Malfunction 27  
P1251 Air Mixture Solenoid Circuit Malfunction  
P1252 Pedal Correlation PDS1 and LPDS High  
P1253 Pedal Correlation PDS1 and LPDS Low  
P1254 Pedal Correlation PDS2 and LPDS High  
P1255 Pedal Correlation PDS2 and LPDS Low  
P1256 Pedal Correlation PDS1 and HPDS  
P1257 Pedal Correlation PDS2 and HPDS  
P1258 Pedal Correlation PDS1 and PDS2  
P1259 Immobilizer to PCM Signal Error  
P1260 THEFT Detected, Vehicle Immobilized

P1261 Cylinder #1 High To Low Side Short  
P1262 Cylinder #2 High To Low Side Short  
P1263 Cylinder #3 High To Low Side Short  
P1264 Cylinder #4 High To Low Side Short  
P1265 Cylinder #5 High To Low Side Short  
P1266 Cylinder #6 High To Low Side Short  
P1267 Cylinder #7 High To Low Side Short  
P1268 Cylinder #8 High To Low Side Short  
P1269 Immobilizer Code Not Programmed  
P1270 Engine RPM Or Speed Limiter Reached  
P1271 Cylinder #1 High To Low Side Open  
P1272 Cylinder #2 High To Low Side Open  
P1273 Cylinder #3 High To Low Side Open  
P1274 Cylinder #4 High To Low Side Open  
P1275 Cylinder #5 High To Low Side Open  
P1276 Cylinder #6 High To Low Side Open  
P1277 Cylinder #7 High To Low Side Open  
P1278 Cylinder #8 High To Low Side Open  
P1280 Injection Control Pressure Out Of Range Low  
P1281 Injection Control Pressure Out Of Range High  
P1282 Excessive Injection Control Pressure  
P1283 IPR Circuit Failure  
P1284 Aborted KOER - ICP Failure  
P1285 Cylinder head over temp sensed 28  
P1286 Fuel Pulse In Range But Lower Than Expected  
P1287 Fuel Pulse In Range But Higher Than Expected  
P1288 Cylinder Head Temp Sensor Out Of Self Test Range  
P1289 Cylinder Head Temp Sensor High Input  
P1290 Cylinder Head Temp Sensor Low Input  
P1291 Injector High Side Short To GND Or VBATT - Bank 1  
P1292 Injector High Side Short To GND Or VBATT - Bank 2  
P1293 Injector High Side Open - Bank 1  
P1294 Injector High Side Open - Bank 2/Target idle not reached  
P1295 Multi-faults - Bank 1 - With Low Side Shorts  
P1296 Multi-faults - Bank 2 - With Low Side Shorts  
P1297 Injector High Sides Shorted Together  
P1298 IDM Failure  
P1299 Cylinder Head Overtemperature Protection Active  
P1300 Boost Calibration Fault  
P1301 Boost Calibration High  
P1302 Boost Calibration Low  
P1303 EGR Calibration Fault  
P1304 EGR Calibration High  
P1305 EGR Calibration Low  
P1306 Kickdown Relay Pull - In Circuit Fault  
P1307 Kickdown Relay Hold Circuit Fault  
P1308 A/C Clutch Circuit Fault  
P1309 Misfire Monitor AICE Chip Fault  
P1313 Misfire Rate Catalyst Damage Fault - Bank 1  
P1314 Misfire Rate Catalyst Damage Fault - Bank 2  
P1315 Persistent Misfire  
P1316 Injector Circuit / IDM Codes Detected  
P1317 Injector Circuit / IDM Codes Not Updated  
P1336 Crank / Cam Sensor Range / Performance 29  
P1340 Camshaft Position Sensor B Circuit Malfunction  
P1341 Camshaft Position Sensor B Range / Performance  
P1345 SGC (Cam Position) Sensor Circuit Malfunction/  
Crankshaft Position - Camshaft Position Correlation  
P1346 Fuel Level Sensor B Circuit Malfunction  
P1347 Fuel Level Sensor B Range / Performance  
P1348 Fuel Level Sensor B Circuit Low  
P1349 Fuel Level Sensor B Circuit High  
P1350 Fuel Level Sensor B Intermittent/Bypass Line Monitor  
P1351 IDM Input Circuit Malfunction/ Ignition Coil Control Circuit High Voltage  
P1352 Ignition Coil A Primary Circuit Malfunction  
P1353 Ignition Coil B Primary Circuit Malfunction

P1354 Ignition Coil C Primary Circuit Malfunction  
P1355 Ignition Coil D Primary Circuit Malfunction  
P1360 Ignition Coil A Secondary Circuit Malfunction  
P1361 Ignition Control (IC) Circuit Low Voltage  
P1362 Ignition Coil C Secondary Circuit Malfunction  
P1363 Ignition Coil D Secondary Circuit Malfunction  
P1364 Ignition Coil Primary Circuit Failure  
P1365 Ignition Coil Secondary Circuit Failure  
P1366 Ignition Spare  
P1367 Ignition Spare  
P1368 Ignition Spare  
P1369 Engine Temperature Light Monitor Failure  
P1370 Insufficient RMP Increase During Spark Test  
P1371 Ignition Coil - Cylinder 1 - Early Activation Fault  
P1372 Ignition Coil - Cylinder 2 - Early Activation Fault  
P1373 Ignition Coil - Cylinder 3 - Early Activation Fault 30  
P1374 Crankshaft Position (CKP)/Ignition Coil - Cylinder 4 - Early Activation Fault  
P1375 Ignition Coil - Cylinder 5 - Early Activation Fault  
P1376 Ignition Coil - Cylinder 6 - Early Activation Fault  
P1380 Misfire Detected - Rough Road Data Not Available  
P1381 Variable Cam Timing Overadvanced (Bank #1)/ Misfire Detected - No Communication with BCM  
P1382 Variable Cam Timing Solenoid #1 Circuit Malfunction  
P1383 Variable Cam Timing Overretarded (Bank #1)  
P1384 VVT Solenoid A Malfunction  
P1385 Variable Cam Timing Solenoid B Malfunction  
P1386 Variable Cam Timing Overadvanced (Bank #2)  
P1387 Variable Cam Timing Solenoid #2 Circuit Malfunction  
P1388 Variable Cam Timing Overretarded (Bank #2)  
P1389 Glow Plug Circuit High Side Low Input  
P1390 Octane Adjust Pin Out Of Self Test Range  
P1391 Glow Plug Circuit Low Input (Bank #1)  
P1392 Glow Plug Circuit High Input (Bank #1)  
P1393 Glow Plug Circuit Low Input (Bank #2)  
P1394 Glow Plug Circuit High Input (Bank #2)  
P1395 Glow Plug Monitor Fault (Bank #1)  
P1396 Glow Plug Monitor Fault (Bank #2)  
P1397 System Voltage Out Of Self Test Range  
P1398 VVT Solenoid B Circuit High Input  
P1399 Glow Plug Circuit High Side, High Input  
P1400 DPF Sensor Circuit Low Input  
P1401 DPF Sensor Circuit High Input  
P1402 EGR Metering Orifice Restricted  
P1403 DPF Sensor Hoses Reversed  
P1404 IAT - B Circuit Malfunction/ Exhaust Gas Recirculation Closed Position Performance 31  
P1405 DPF Sensor Upstream Hose Off Or Plugged  
P1406 Exhaust Gas Recirculation (EGR) Position Sensor Performance  
P1407 EGR No Flow Detected  
P1408 EGR Flow Out Of Self Test Range  
P1409 EVR Control Circuit Malfunction  
P1411 SAI System Incorrect Downstream Flow Detected  
P1413 SAI System Monitor Circuit Low Input  
P1414 SAI System Monitor Circuit High Input  
P1415 Air Pump Circuit Malfunction/ (AIR) System Bank 1  
P1416 Port Air Circuit Malfunction/ (AIR) System Bank 2  
P1417 Port Air Relief Circuit Malfunction  
P1418 Split Air #1 Circuit Malfunction  
P1419 Split Air #2 Circuit Malfunction  
P1420 Catalyst Temperature Sensor Failure  
P1421 Catalyst Damage  
P1422 EGI Temperature Sensor Failure  
P1423 EGI Functionality Test Failed  
P1424 EGI Glow Plug Primary Failure  
P1425 EGI Glow Plug Secondary Failure  
P1426 EGI Mini - MAF Failed Out Of Range  
P1427 EGI Mini - MAF Failed Short Circuit  
P1428 EGI Mini - MAF Failed Open Circuit

P1429 Electric Air Pump Primary Failure  
P1430 Electric Air Pump Secondary Failure  
P1433 A/C Refrigerant Temperature Circuit Low  
P1434 A/C Refrigerant Temperature Circuit High  
P1435 A/C Refrigerant Temperature Circuit Range/Performance  
P1436 A/C Evaporator Air Temperature Circuit Low  
P1437 A/C Evaporator Air Temperature Circuit High  
P1438 A/C Evaporator Air Temperature Circuit Range/Performance 32  
P1439 Floor Temperature Switch Circuit Malfunction  
P1440 Purge Valve Stuck Open  
P1441 Evaporative Emission (EVAP) System Flow During Non-Purge Chevrolet Only  
P1441 Evaporative Emission (EVAP) System Flow During Non-Purge Oldsmobile Only  
P1442 Evaporative Emission Control System Leak Detected  
P1443 Evaporative Emission Control System Control Valve  
P1444 Purge Flow Sensor Circuit Low Input  
P1445 Purge Flow Sensor Circuit High Input  
P1446 Evaporative Vac Solenoid Circuit Malfunction  
P1447 ELC System Closure Valve Flow Fault  
P1448 ELC System 2 Fault  
P1449 Evaporative Check Solenoid Circuit Malfunction  
P1450 Unable To Bleed Up Fuel Tank Vacuum  
P1451 Evap Emission Control Sys Vent Control Valve Circuit  
P1452 Unable To Bleed - Up Vacuum in Tank  
P1453 Fuel Tank Pressure Relief Valve Malfunction  
P1454 Evaporative System Vacuum Test Malfunction  
P1455 Evap Emission Control Sys Leak Detected (Gross Leak/No Flow)  
P1456 Fuel Tank Temperature Sensor Circuit Malfunction  
P1457 Unable To Pull Vacuum In Tank  
P1460 Wide open throttle A/C cutoff relay circuit  
P1461 A/C pressure sensor circuit voltage low  
P1462 A/C pressure sensor circuit voltage high  
P1463 A/C Pressure Sensor Insufficient Pressure Change  
P1464 A/C Demand Out of Self Test Range  
P1465 A/C Relay Circuit Malfunction  
P1466 A/C Refrigerant Temperature Sensor/Circuit Malfunction 33  
P1467 A/C Compressor Temperature Sensor Malfunction  
P1468 SSPOD Open Circuit or Closed Circuit Fault  
P1469 Low A/C Cycling Period  
P1470 A/C Cycling Period Too Short  
P1471 Electrodrive Fan 1 Operational Failure (Driver Side)  
P1472 Electrodrive Fan 2 Operational Failure (Passenger Side)  
P1473 Fan Secondary High With Fan(s) Off  
P1474 Low Fan Control Primary Circuit Malfunction  
P1475 Fan Relay (Low) Circuit Malfunction  
P1476 Fan Relay (High) Circuit Malfunction  
P1477 Additional Fan Relay Circuit Malfunction  
P1478 Cooling Fan Driver Fault  
P1479 High Fan Control Primary Circuit Malfunction  
P1480 Fan Secondary Low with Low Fan On  
P1481 Fan Secondary Low With High Fan On  
P1482 SCP  
P1483 Power To Fan Circuit Overcurrent  
P1484 Open Power To Ground VCRM  
P1485 EGRV Circuit Malfunction  
P1486 EGRA Circuit Malfunction  
P1487 EGRCHK Solenoid Circuit Malfunction  
P1490 Secondary Air Relief Solenoid Circuit Malfunction  
P1491 Secondary Switch Solenoid Circuit Malfunction  
P1492 APLSOL Solenoid Circuit Malfunction  
P1493 RCNT Solenoid Circuit Malfunction  
P1494 SPCUT Solenoid Circuit Malfunction  
P1495 TCSPL Solenoid Circuit Malfunction  
P1500 Vehicle Speed Sensor Intermittent  
P1501 Vehicle Speed Sensor Out Of Self Test Range  
P1502 Vehicle Speed Sensor Intermittent Malfunction 34  
P1503 Auxillary Speed Sensor Fault

P1504 Idle Air Control Circuit Malfunction  
P1505 Idle Air Control System At Adaptive Clip  
P1506 Idle Air Control Overspeed Error  
P1507 Idle Air Control Underspeed Error  
P1508 Idle Control System Circuit Open  
P1509 Idle Control System Circuit Shorted  
P1510 Idle Signal Circuit Malfunction  
P1511 Idle Switch (Electric Control Throttle) Circuit Malfunction  
P1512 Intake Manifold Runner Control (Bank 1) Stuck Closed  
P1513 Intake Manifold Runner Control (Bank 2) Stuck Closed  
P1514 High Load Neutral/Drive Fault  
P1515 Electric Current Circuit Malfunction  
P1516 IMRC Input Error (Bank 1)  
P1517 IMRC Input Error (Bank 2)  
P1518 Intake Manifold Runner Control (Stuck Open)  
P1519 Intake Manifold Runner Control (Stuck Closed)  
P1520 Intake Manifold Runner Control Circuit Malfunction  
P1521 Variable Intake Solenoid #1 Circuit Malfunction  
P1522 Variable Intake Solenoid #2 Circuit Malfunction  
P1523 IVC Solenoid Circuit Malfunction  
P1524 Variable Intake Solenoid System  
P1525 Air Bypass Valve System  
P1526 Air Bypass System  
P1527 Accelerate Warmup Solenoid Circuit Malfunction  
P1528 Subsidiary Throttle Valve Solenoid Circuit Malfunction  
P1529 SCAIR Solenoid Circuit Malfunction  
P1530 A/C Clutch Circuit Malfunction 35  
P1531 Invalid Test - Accelerator Pedal Movement  
P1532 IMCC Circuit Malfunction, Bank B  
P1533 AAI Circuit Malfunction  
P1534 Inertia Switch Activated  
P1535 Blower Fan Speed Circuit Range/Performance  
P1536 Parking Brake Switch Circuit Failure  
P1537 Intake Manifold Runner Control (Bank 1) Stuck Open  
P1538 Intake Manifold Runner Control (Bank 2) Stuck Open  
P1539 Power To A/C Clutch Circuit Overcurrent  
P1540 Air Bypass Valve Circuit Malfunction  
P1549 IMCC Circuit Malfunction, Bank B  
P1550 PSPS Out Of Self Test Range  
P1565 Speed Control Command Switch Out of Range High  
P1566 Speed Control Command Switch Out of Range Low  
P1567 Speed Control Output Circuit Continuity  
P1568 Speed Control Unable to Hold Speed  
P1571 Brake Switch Malfunction  
P1572 Brake Pedal Switch Circuit Malfunction  
P1573 Throttle Position Not Available  
P1574 Throttle Position Sensor Disagreement btwn Sensors  
P1575 Pedal Position Out of Self Test Range  
P1576 Pedal Position Not Available  
P1577 Pedal Position Sensor Disagreement btwn Sensors  
P1578 ETC Power Less Than Demand  
P1579 ETC In Power Limiting Mode  
P1580 Electronic Throttle Monitor PCM Override  
P1581 Electronic Throttle Monitor Malfunction  
P1582 Electronic Throttle Monitor Data Available  
P1583 Electronic Throttle Monitor Cruise Disable  
P1584 TCU Detected IPE Circuit Malfunction 36  
P1585 Throttle Control Unit Malfunction  
P1586 Throttle Control Unit Throttle Position Malfunction  
P1587 Throttle Control Unit Modulated Command Malfunction  
P1588 Throttle Control Unit Detected Loss of Return Spring  
P1589 TCU Unable To Control Desired Throttle Angle  
P1600 Loss of KAM Power; Open Circuit  
P1601 ECM/TCM Serial Communication Error  
P1602 Immobilizer/ECM Communication Error  
P1603 EEPROM Malfunction

P1604 Code Word Unregistered  
P1605 Keep Alive Memory Test Failure  
P1606 ECM Control Relay O/P Circuit Malfunction  
P1607 MIL O/P Circuit Malfunction  
P1608 Internal ECM Malfunction  
P1609 Diagnostic Lamp Driver Fault  
P1610 SBDS Interactive Codes  
P1611 SBDS Interactive Codes  
P1612 SBDS Interactive Codes  
P1613 SBDS Interactive Codes  
P1614 SBDS Interactive Codes  
P1615 SBDS Interactive Codes  
P1616 SBDS Interactive Codes  
P1617 SBDS Interactive Codes  
P1618 SBDS Interactive Codes  
P1619 SBDS Interactive Codes  
P1620 SBDS Interactive Codes  
P1621 Control Module Long Term Memory Performance/Immobilizer Code Words Do Not Match  
P1622 Immobilizer ID Does Not Match  
P1623 Immobilizer Code Word/ID Number Write Failure  
P1624 Anti Theft System 37  
P1625 B+ Supply To VCRM Fan Circuit Malfunction  
P1626 Theft Deterrent Fuel Enable Signal Not Received/ B+Supply To VCRM A/C Circuit Malfunction  
P1627 Module Supply Voltage Out Of Range  
P1628 Module Ignition Supply Input Malfunction  
P1629 Internal Voltage Regulator Malfunction  
P1630 Internal Vref Malfunction  
P1631 Theft Deterrent Start Enable Signal Not Correct/ Main Relay Malfunction (Power Hold)  
P1632 Smart Alternator Faults Sensor/Circuit Malfunction  
P1633 KAM Voltage Too Low  
P1634 Data Output Link Circuit Failure  
P1635 Tire / Axle Ratio Out of Acceptable Range  
P1636 Inductive Signature Chip Communication Error  
P1637 Can Link ECM/ABSCM Circuit / Network Malfunction  
P1638 Can Link ECM/INSTM Circuit / Network Malfunction  
P1639 Vehicle ID Block Corrupted or Not Programmed  
P1640 Powertrain DTCs Available in Another Module  
P1641 Fuel Pump Primary Circuit Failure  
P1642 Fuel Pump Monitor Circuit High Input  
P1643 Fuel Pump Monitor Circuit Low Input  
P1644 Fuel Pump Speed Control Circuit Malfunction  
P1645 Fuel Pump Resistor Switch Circuit Malfunction  
P1650 PSP Switch Out of Self Test Range  
P1651 PSP Switch Input Malfunction  
P1652 IAC Monitor Disabled by PSP Switch Failed On  
P1653 Power Steering Output Circuit Malfunction  
P1654 Recirculation Override Circuit Malfunction  
P1655 Starter Disable Circuit Malfunction  
P1660 Output Circuit Check Signal High  
P1661 Output Circuit Check Signal Low 38  
P1662 IDM\_EN Circuit Failure  
P1663 Fuel Demand Command Signal Circuit Malfunction  
P1667 CI Circuit Malfunction  
P1668 PCM - IDM Communications Error  
P1670 Electronic Feedback Signal Not Detected  
P1680 Metering Oil Pump Malfunction  
P1681 Metering Oil Pump Malfunction  
P1682 Metering Oil Pump Malfunction  
P1683 Metering Oil Pump Temperature Sensor Circuit Malfunction  
P1684 Metering Oil Pump Position Sensor Circuit Malfunction  
P1685 Metering Oil Pump Stepping Motor Circuit Malfunction  
P1686 Metering Oil Pump Stepping Motor Circuit Malfunction  
P1687 Metering Oil Pump Stepping Motor Circuit Malfunction  
P1688 Metering Oil Pump Stepping Motor Circuit Malfunction  
P1689 Oil Pressure Control Solenoid Circuit Malfunction  
P1690 Wastegate Solenoid Circuit Malfunction

P1691 Turbo Pressure Control Solenoid Circuit Malfunction  
P1692 Turbo Control Solenoid Circuit Malfunction  
P1693 Turbo Charge Control Circuit Malfunction  
P1694 Turbo Charge Relief Circuit Malfunction  
P1700 Transmission Indeterminate Failure (Failed to Neutral)  
P1701 Reverse Engagement Error  
P1702 TRS Circuit Intermittent Malfunction  
P1703 Brake Switch Out Of Self Test Range  
P1704 Digital TRS Failed to Transition States in KOEO / KOER  
P1705 Not in P or N During KOEO / KOER  
P1706 High Vehicle Speed Observed in Park 39  
P1707 Transfer Case Neutral Indicator Hard Fault Present  
P1708 Clutch Switch Circuit Malfunction  
P1709 PNP Switch Out Of Self Test Range  
P1711 TFT Sensor Out Of Self Test Range  
P1712 Trans Torque Reduction Request Signal Malfunction  
P1713 TFT Sensor In Range Failure Low Value  
P1714 SSA Inductive Signature Malfunction  
P1715 SSB Inductive Signature Malfunction  
P1716 SSC Inductive Signature Malfunction  
P1717 SSD Inductive Signature Malfunction  
P1718 TFT Sensor In Range Failure High  
P1720 Vehicle Speed (Meter) Circuit Malfunction  
P1721 Gear 1 Incorrect Ratio  
P1722 Gear 2 Incorrect Ratio  
P1723 Gear 3 incorrect Ratio  
P1724 Gear 4 Incorrect Ratio  
P1725 Insufficient Engine Speed Increase During Self Test  
P1726 Insufficient Engine Speed Decrease During Self Test  
P1727 Coast Clutch Solenoid Inductive Signature Malfunction  
P1728 Transmission Slip Error  
P1729 4x4 Low Switch Error  
P1730 Gear Control Malfunction 2,3,5  
P1731 1-2 Shift Malfunction  
P1732 2-3 Shift Malfunction  
P1733 3-4 Shift Malfunction  
P1734 Gear Control Malfunction  
P1735 First Gear Switch Circuit Malfunction  
P1736 Second Gear Switch Circuit Malfunction  
P1737 Lockup Solenoid System  
P1738 Shift Time Error  
P1739 Slip Solenoid System 40  
P1740 Torque Converter Clutch Inductive Signature Malfunction  
P1741 Torque Converter Clutch Control Error  
P1742 Torque Converter Clutch Solenoid Failed On  
P1743 Torque Converter Clutch Solenoid Failed On  
P1744 Torque Converter Clutch System Performance  
P1745 Line Pressure Solenoid System  
P1746 Pressure Control Solenoid Open Circuit  
P1747 Pressure Control Solenoid Short Circuit  
P1748 EPC Malfunction  
P1749 Pressure Control Solenoid Failed Low  
P1751 Shift Solenoid A Performance  
P1754 Coast Clutch Solenoid Circuit Malfunction  
P1755 Intermediate Speed Sensor (ISS) Malfunction  
P1756 Shift Solenoid B Performance  
P1760 Pressure Control Solenoid Short Circuit  
P1761 Shift Solenoid C Performance  
P1762 Overdrive Band Failed Off  
P1765 Timing Solenoid Circuit Malfunction  
P1767 Torque Converter Clutch Circuit Malfunction  
P1768 Performance / Normal / Winter Mode Input Malfunction  
P1769 AG4 Transmission Torque Modulation Fault  
P1770 Clutch Solenoid Circuit Malfunction  
P1775 Transmission System MIL Fault  
P1776 Ignition Retard Request Duration Fault



P1777 Ignition Retard Request Circuit Fault  
P1778 Transmission Reverse I/P Circuit Malfunction  
P1779 TCIL Circuit Malfunction  
P1780 Trans Control Switch (O/D Cancel) Out of Self Test Range  
P1781 4X4 Switch Out of Self Test Range  
P1782 P/ES Circuit Out Of Self Test Range  
P1783 Transmission Overtemperature Condition 41  
P1784 Transmission Mechanical Failure - First And Reverse  
P1785 Transmission Mechanical Failure - First And Second  
P1786 3-2 Downshift Error  
P1787 2-1 Downshift Error  
P1788 Pressure Control Solenoid Open Circuit  
P1789 Pressure Control Solenoid Short Circuit  
P1790 TP (Mechanical) Circuit Malfunction  
P1791 TP (Electric) Circuit Malfunction  
P1792 Barometer Pressure Circuit Malfunction  
P1793 Intake Air Volume Circuit Malfunction  
P1794 Battery Voltage Circuit Malfunction  
P1795 Idle Switch Circuit Malfunction  
P1796 Kick Down Switch Circuit Malfunction  
P1797 Neutral Switch Circuit Malfunction  
P1798 Coolant Temperature Circuit Malfunction  
P1799 Hold Switch Circuit Malfunction  
P1800 Transmission Clutch Interlock Safety Switch Circuit Failure  
P1801 Transmission Clutch Interlock Safety Switch Open Circuit  
P1802 Transmission Clutch Interlock Safety Switch Short Circuit To Battery  
P1803 Transmission Clutch Interlock Safety Switch Short Circuit To Ground  
P1804 Transmission 4-Wheel Drive High Indicator Circuit Failure  
P1805 Transmission 4-Wheel Drive High Indicator Open Circuit  
P1806 Transmission 4-Wheel Drive High Indicator Short Circuit To Battery  
P1807 Transmission 4-Wheel Drive High Indicator Short Circuit To Ground  
P1808 Transmission 4-Wheel Drive Low Indicator Circuit Failure  
P1809 Transmission 4-Wheel Drive Low Indicator Open Circuit 42  
P1810 TFP Valve Position Switch Circuit/ Transmission 4-Wheel Drive Low Indicator Short Circuit To Battery  
P1811 Transmission 4-Wheel Drive Low Indicator Short Circuit To Ground  
P1812 Transmission 4-Wheel Drive Mode Select Circuit Failure  
P1813 Transmission 4-Wheel Drive Mode Select Open Circuit  
P1814 Transmission 4-Wheel Drive Mode Select Short Circuit To Battery  
P1815 Transmission 4-Wheel Drive Mode Select Short Circuit To Ground  
P1816 Transmission Neutral Safety Switch Circuit Failure  
P1817 Transmission Neutral Safety Switch Open Circuit  
P1818 Transmission Neutral Safety Switch Short Circuit To Battery  
P1819 Transmission Neutral Safety Switch Short Circuit To Ground  
P1820 Transmission Transfer Case Clockwise Shift Relay Coil Circuit Failure  
P1821 Transmission Transfer Case Clockwise Shift Relay Coil Open Circuit  
P1822 Transmission Transfer Case Clockwise Shift Relay Coil Short Circuit To Battery  
P1823 Transmission Transfer Case Clockwise Shift Relay Coil Short Circuit To Ground  
P1824 Transmission 4-Wheel Drive Clutch Relay Circuit Failure  
P1825 Transmission 4-Wheel Drive Clutch Relay Open Circuit  
P1826 Transmission 4-Wheel Drive Low Clutch Relay Circuit To Battery  
P1827 Transmission 4-Wheel Drive Low Clutch Relay Circuit To Ground  
P1828 Transmission Transfer Case Counter Clockwise Shift Relay Coil Circuit Failure 43  
P1829 Transmission Transfer Case Counter Clockwise Shift Relay Coil Open Circuit  
P1830 Transmission Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Battery  
P1831 Transmission Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Ground  
P1832 Transmission Transfer Case Differential Lock-Up Solenoid Circuit Failure  
P1833 Transmission Transfer Case Differential Lock-Up Solenoid Open Circuit  
P1834 Transmission Transfer Case Differential Lock-Up Solenoid Short Circuit To Battery  
P1835 Transmission Transfer Case Differential Lock-Up Solenoid Short Circuit To Ground  
P1836 Transmission Transfer Case Front Shaft Speed Sensor Circuit Failure  
P1837 Transmission Transfer Case Rear Shaft Speed Sensor Circuit Failure  
P1838 Transmission Transfer Case Shift Motor Circuit Failure  
P1839 Transmission Transfer Case Shift Motor Open Circuit  
P1840 Transmission Transfer Case Shift Motor Short Circuit To Battery  
P1841 Transmission Transfer Case Shift Motor Short Circuit To Ground  
P1842 Transmission Transfer Case Differential Lock-Up Feedback Switch Circuit Failure

P1843 Transmission Transfer Case Differential Lock-Up Feedback Switch Open Circuit  
P1844 Transmission Transfer Case Differential Lock-Up Feedback Switch Short Circuit To Battery  
P1845 Transmission Transfer Case Differential Lock-Up Feedback Switch Short Circuit To Ground  
P1846 Transmission Transfer Case Contact Plate™ Circuit Failure 44  
P1847 Transmission Transfer Case Contact Plate™ Open Circuit  
P1848 Transmission Transfer Case Contact Plate™ Short Circuit To Battery  
P1849 Transmission Transfer Case Contact Plate™ Short Circuit To Ground  
P1850 Transmission Transfer Case Contact Plate Circuit Failure  
P1851 Transmission Transfer Case Contact Plate Open Circuit  
P1852 Transmission Transfer Case Contact Plate Short Circuit To Battery  
P1853 Transmission Transfer Case Contact Plate Short Circuit To Ground  
P1854 Transmission Transfer Case Contact Plate Circuit Failure  
P1855 Transmission Transfer Case Contact Plate Open Circuit  
P1856 Transmission Transfer Case Contact Plate Short Circuit To Battery  
P1857 Transmission Transfer Case Contact Plate Short Circuit To Ground  
P1858 Transmission Transfer Case Contact Plate Circuit Failure  
P1859 Transmission Transfer Case Contact Plate Open Circuit  
P1860 TCC PWM Solenoid Circuit Electrical/ Transmission Transfer Case Contact Plate Short Circuit To Battery  
P1861 Transmission Transfer Case Contact Plate Short Circuit To Ground  
P1862 Transmission Transfer Case Contact Plate Power Circuit Failure  
P1863 Transmission Transfer Case Contact Plate Power Open Circuit  
P1864 Transmission Transfer Case Contact Plate Power Short To Battery  
P1865 Transmission Transfer Case Contact Plate Power Short To Ground 45  
P1866 Transmission Transfer Case System Concern - Servicing Required  
P1867 Transmission Transfer Case Contact Plate General Circuit Failure  
P1868 Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit Failure  
P1869 Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit Short To Battery  
P1870 Transmission Component Slipping/ Transmission Mechanical Transfer Case 4x4 Switch Circuit Failure  
P1871 Transmission Mechanical Transfer Case 4x4 Switch Circuit Short To Battery  
P1872 Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Failure  
P1873 Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Short To Battery  
P1874 Transmission Automatic Hall Effect Sensor Power Circuit Failure  
P1875 Transmission Automatic Hall Effect Sensor Power Circuit Short To Battery / 4WD Low Switch Circuit Electrical  
P1876 Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Failure  
P1877 Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Short To Battery  
P1878 Transmission Transfer Case Disengaged Solenoid Circuit Failure  
P1879 Transmission Transfer Case Disengaged Solenoid Open Circuit  
P1880 Transmission Transfer Case Disengaged Solenoid Short to Battery  
P1881 Engine Coolant Level Switch Circuit Failure, GEM  
P1882 Engine Coolant Level Switch Circuit Short to Ground  
P1883 Engine Coolant Level Switch Circuit Failure, GEM 46  
P1884 Engine Coolant Level Lamp Circuit Short to Ground  
P1885 Transmission Transfer Case Disengaged Solenoid Short to Ground  
P1886 4X4 Initialization Failure  
P1890 Transmission 4WD Mode Select Return Input Circuit Failure  
P1891 Transmission Transfer Case Contact Plate Ground Return Open Circuit  
P1900 OSS Circuit Intermittent Malfunction  
P1901 TSS Circuit Intermittent Malfunction  
P1902 Pressure Control Solenoid Intermittent Short  
P1903 Pressure Control Solenoid Short Circuit  
P1904 Pressure Control Solenoid Open Circuit  
P1905 Pressure Control Solenoid Intermittent Short  
P1906 Kickdown Pull Relay Open or Short Circuit to Ground  
P1907 Kickdown Hold Relay Open or Short Circuit to Ground  
P1908 Transmission Pressure Circuit Solenoid Open or Short to Ground  
P1909 TRrans Temp Sensor Circuit Open or Shorted to Pwr or Gnd  
P1910 VFS A Pressure Output Failed Low  
P1911 VFS B Pressure Output Failed Low  
P1912 VFS C Pressure Output Failed Low  
P1913 Pressure Switch A Circuit Malfunction  
P1914 Manually Shifted Automatic (MSA) Sw Circuit Malf  
P1915 Reverse Switch Circuit Malfunction  
P1916 High Clutch Drum Speed Sensor Malfunction  
P1917 High Clutch Drum Speed Sensor Intermittent  
P1918 Transmission Range Display Circuit Malfunction 47