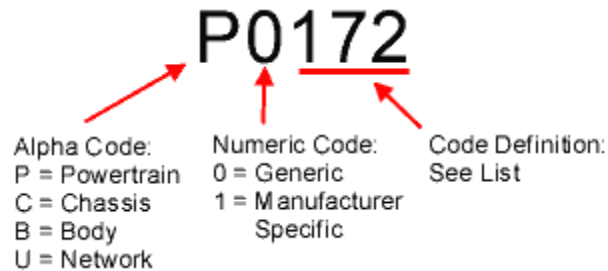


## OBDII DTC Codes

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OBDII stores DTCs (diagnostic trouble codes), some of which are the same for all manufacturers. The codes that the federal government requires for all conditions which could cause emissions of a 1996 or newer vehicle to be above the acceptable levels must be listed using the same letters and numbers. Take a look at how OBDII codes are constructed:

Click on the links to see the official list of OBDII DTCs. All manufacturers must adhere to the definitions of these codes (SAE J2012).

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### **P0100 - P0199 Fuel & Air Metering Codes**

- P0100 - Mass or Volume Air flow Circuit Malfunction**
- P0101 - Mass or Volume airflow Circuit Range/Performance Problem**
- P0102 - Mass or Volume Airflow Circuit Low Input**
- P0103 - Mass or Volume Airflow Circuit High Input**
- P0104 - Mass or Volume Airflow 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**
- P0110 - Intake Air Temperature 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/Petal Position Sensor/Switch A Circuit Malfunction**  
**P0121 - Throttle/Petal Position Sensor/Switch A Circuit Range/Performance Problem**  
**P0122 - Throttle/Petal Position Sensor/Switch A Circuit Low Input**  
**P0123 - Throttle/Petal Position Sensor/Switch A Circuit High Input**  
**P0124 - Throttle/Petal Position Sensor/Switch A Circuit Intermittent**  
**P0125 - Insufficient Coolant Temperature for Closed Loop Fuel Operation**  
**P0126 - Insufficient Coolant Temperature for Stable Operation**  
**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 Voltage High (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 Sensor1)**  
**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 2)**  
**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 - System Too Lean (Bank 1)**  
**P0172 - System Too Rich (Bank 1)**  
**P0173 - Fuel Trim Malfunction (Bank 2)**  
**P0174 - System Too Lean (Bank 2)**  
**P0175 - System 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**

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## **P0200 - P0299 Fuel & Air Metering Codes**

**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 Over Temp Condition**  
**P0218 - Transmission Over Temp 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 High**  
**P0251 - Injection Pump Fuel Metering Control "A" Malfunction (Cam/Rotor/Injector)**  
**P0252 - Injection Pump Fuel Metering Control "A" Range/Performance (Cam/Rotor/Injector)**  
**P0253 - Injection Pump Fuel Metering Control "A" Low (Cam/Rotor/Injector)**

**P0254 - Injection Pump Fuel Metering Control "A" High (Cam/Rotor/Injector)**  
**P0255 - Injection Pump Fuel Metering Control "A" Intermittent (Cam/Rotor/Injector)**  
**P0256 - Injection Pump Fuel Metering Control "B" Malfunction (Cam/Rotor/Injector)**  
**P0257 - Injection Pump Fuel Metering Control "B" Range/Performance (Cam/Rotor/Injector)**  
**P0258 - Injector Pump Fuel Metering Control "B" Low (Cam/Rotor/Injector)**  
**P0259 - Injector Pump Fuel Metering Control "B" High (Cam/Rotor/Injector)**  
**P0260 - Injector Pump Fuel Metering Control "B" 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**  
**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/Balance fault**

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## **P0300 - P0399 Ignition System or Misfire Codes**

- 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**
- 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 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**
- 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  
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 "A" Malfunction  
P0381 - Glow Plug/Heater Indicator Circuit 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

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## **P0400 - P0499 Auxiliary Emission Control Codes**

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 Rang/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  
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 - Secondary Air Injection System Switching Valve Circuit Shorted**  
**P0418 - Secondary Air Injection System Relay "A" Circuit Malfunction**  
**P0419 - Secondary Air Injection System Relay "B" 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)**  
**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)**  
**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 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**  
**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

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## **P0500 - P0699 Auxiliary Emissions Control Codes**

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  
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 - 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  
P0563 - System Voltage High

**P0564 - Cruise Control On Signal Malfunction**  
**P0566 - Cruise Control Off Signal Malfunction**  
**P0567 - Cruise Control Resume Signal Malfunction**  
**P0568 - Cruise Control Set Signal Malfunction**  
**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**  
**P0577 - 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 - Internal Control Module Memory Check Sum Error**  
**P0602 - Control 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 "A" Malfunction**  
**P0609 - Control Module VSS Output "B" Malfunction**  
**P0620 - Generator Control Circuit Malfunction**  
**P0621 - Generator Lamp "L" Control Circuit Malfunction**  
**P0622 - Generator Field "F" 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**

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## **P0700 - P0999 Auxiliary Emissions Control Codes**

**P0700 - Transmission Control System Malfunction**  
**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**  
**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 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**  
**P0752 - Shift Solenoid A Stuck On**  
**P0753 - Shift Solenoid Electrical**  
**P0754 - Shift Solenoid A Intermittent**  
**P0755 - Shift Solenoid B Malfunction**  
**P0756 - Shift Solenoid B Performance or Stuck Off**  
**P0757 - Shift Solenoid B Stuck On**  
**P0758 - Shift Solenoid B 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 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 Electrical**  
**P0774 - Shift Solenoid E 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**  
**P0786 - Shift/Timing Solenoid Range/Performance**  
**P0787 - Shift/Timing Solenoid Low**  
**P0788 - Shift/Timing Solenoid High**  
**P0789 - Shift/Timing Solenoid Intermittent**  
**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**