

# OBD-II Diagnostic Powertrain (P) Trouble Codes

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This list contains standard diagnostic trouble codes (DTCs) that are used by some manufacturers to identify vehicle problems. The codes provide below are generic codes that may not apply to all vehicles. Vehicle manufacturers may use manufacturer specific DTC codes that are different from the codes shown below. Foreign vehicles may also use DTC codes different from the generic DTC codes. We recommend that you not depend on the DTC codes in this list for vehicle repairs until you confirm the generic DTC codes apply to your vehicle(s). The list below is for information purposes only and is not intended for use in vehicle repairs.

## P0010-P0099 – Fuel and Air Metering and Auxiliary Emission Controls

- [P0010 "A" Camshaft Position Actuator Circuit \(Bank 1\)](#)
- P0011 "A" Camshaft Position - Timing Over-Advanced or System Performance (Bank 1)
- P0012 "A" Camshaft Position - Timing Over-Retarded (Bank 1)
- P0013 "B" Camshaft Position - Actuator Circuit (Bank 1)
- P0014 "B" Camshaft Position - Timing Over-Advanced or System Performance (Bank 1) - See Trouble Code P0011
- P0015 "B" Camshaft Position - Timing Over-Retarded (Bank 1) - See Trouble Code P0012
- [P0020 "A" Camshaft Position Actuator Circuit \(Bank 2\)](#)
- P0021 "A" Camshaft Position - Timing Over-Advanced or System Performance (Bank 2)
- P0022 "A" Camshaft Position - Timing Over-Retarded (Bank 2)
- P0023 "B" Camshaft Position - Actuator Circuit (Bank 2) - See Trouble Code P0020
- P0024 "B" Camshaft Position - Timing Over-Advanced or System Performance (Bank 2) - See Trouble Code P0021
- P0025 "B" Camshaft Position - Timing Over-Retarded (Bank 2) - See Trouble Code P0022
- P0030 HO2S Heater Control Circuit (Bank 1 Sensor 1)
- [P0031 HO2S Heater Control Circuit Low \(Bank 1 Sensor 1\)](#)
- [P0032 HO2S Heater Control Circuit High \(Bank 1 Sensor 1\)](#)
- P0033 Turbo Charger Bypass Valve Control Circuit
- P0034 Turbo Charger Bypass Valve Control Circuit Low
- P0035 Turbo Charger Bypass Valve Control Circuit High
- P0036 HO2S Heater Control Circuit (Bank 1 Sensor 2)
- P0037 HO2S Heater Control Circuit Low (Bank 1 Sensor 2)
- P0038 HO2S Heater Control Circuit High (Bank 1 Sensor 2)
- P0040 Upstream Oxygen Sensors Swapped From Bank To Bank
- P0041 Downstream Oxygen Sensors Swapped From Bank To Bank
- P0042 HO2S Heater Control Circuit (Bank 1 Sensor 3)
- P0043 HO2S Heater Control Circuit Low (Bank 1 Sensor 3)
- P0044 HO2S Heater Control Circuit High (Bank 1 Sensor 3)
- P0050 HO2S Heater Control Circuit (Bank 2 Sensor 1)
- [P0051 HO2S Heater Control Circuit Low \(Bank 2 Sensor 1\)](#)
- [P0052 HO2S Heater Control Circuit High \(Bank 2 Sensor 1\)](#)
- P0053 HO2S Heater Resistance (Bank 1, Sensor 1)
- P0054 HO2S Heater Resistance (Bank 1, Sensor 2)
- P0055 HO2S Heater Resistance (Bank 1, Sensor 3)
- P0056 HO2S Heater Control Circuit (Bank 2 Sensor 2)

- P0057 HO2S Heater Control Circuit Low (Bank 2 Sensor 2)
- P0058 HO2S Heater Control Circuit High (Bank 2 Sensor 2)
- P0059 HO2S Heater Resistance (Bank 2, Sensor 1)
- P0060 HO2S Heater Resistance (Bank 2, Sensor 2)
- P0061 HO2S Heater Resistance (Bank 2, Sensor 3)
- P0062 HO2S Heater Control Circuit (Bank 2 Sensor 3)
- P0063 HO2S Heater Control Circuit Low (Bank 2 Sensor 3)
- P0064 HO2S Heater Control Circuit High (Bank 2 Sensor 3)
- P0065 Air Assisted Injector Control Range/Performance
- P0066 Air Assisted Injector Control Circuit or Circuit Low
- P0067 Air Assisted Injector Control Circuit High
- P0070 Ambient Air Temperature Sensor Circuit
- P0071 Ambient Air Temperature Sensor Range/Performance
- P0072 Ambient Air Temperature Sensor Circuit Low Input
- P0073 Ambient Air Temperature Sensor Circuit High Input
- P0074 Ambient Air Temperature Sensor Circuit Intermittent
- P0075 Intake Valve Control Solenoid Circuit (Bank 1)
- P0076 Intake Valve Control Solenoid Circuit Low (Bank 1)
- P0077 Intake Valve Control Solenoid Circuit High (Bank 1)
- P0078 Exhaust Valve Control Solenoid Circuit (Bank 1)
- P0079 Exhaust Valve Control Solenoid Circuit Low (Bank 1)
- P0080 Exhaust Valve Control Solenoid Circuit High (Bank 1)
- P0081 Intake valve Control Solenoid Circuit (Bank 2)
- P0082 Intake Valve Control Solenoid Circuit Low (Bank 2)
- P0083 Intake Valve Control Solenoid Circuit High (Bank 2)
- P0084 Exhaust Valve Control Solenoid Circuit (Bank 2)
- P0085 Exhaust Valve Control Solenoid Circuit Low (Bank 2)
- P0086 Exhaust Valve Control Solenoid Circuit High (Bank 2)

## **DTC Codes - P0100-P0199 ♦ Fuel and Air Metering**

- [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
- 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](#)
- P0126 Insufficient Coolant Temperature for Stable Operation
- [P0128 Coolant Thermostat \(Coolant Temperature Below Thermostat Regulating Temperature\)](#)
- [P0130 O2 Sensor Circuit Malfunction \(Bank I Sensor 1\)](#)
- [P0131 O2 Sensor Circuit Low Voltage \(Bank I Sensor I\)](#)
- [P0132 O2 Sensor Circuit High Voltage \(Bank I Sensor 1\)](#)
- [P0133 O2 Sensor Circuit Slow Response \(Bank 1 Sensor 1\)](#)
- [P0134 O2 Sensor Circuit No Activity Detected \(Bank I Sensor 1\)](#)
- [P0135 O2 Sensor Heater Circuit Malfunction \(Bank 1 Sensor 1\)](#)
- [P0136 O2 Sensor Circuit Malfunction \(Bank I Sensor 2\)](#)
- [P0137 O2 Sensor Circuit Low Voltage \(Bank I Sensor 2\)](#)
- [P0138 O2 Sensor Circuit High Voltage \(Bank I Sensor 2\)](#)
- [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 I Sensor 3)
- P0143 O2 Sensor Circuit Low Voltage (Bank I Sensor 3)
- P0144 O2 Sensor Circuit High Voltage (Bank I Sensor 3)
- P0145 O2 Sensor Circuit Slow Response (Bank 1 Sensor 3)
- P0146 O2 Sensor Circuit No Activity Detected (Bank I Sensor 3)
- P0147 O2 Sensor Heater Circuit Malfunction (Bank I Sensor 3)
- [P0150 O2 Sensor Circuit Malfunction \(Bank 2 Sensor I\)](#)
- [P0151 O2 Sensor Circuit Low Voltage \(Bank 2 Sensor I\)](#)
- 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 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

## **DTC Codes - P0200-P0299 ♦ Fuel and Air Metering (Injector Circuit)**

- 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 Overspeed 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 "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 Injector)
- P0258 Injection Pump Fuel Metering Control "B" Low (Cam/R
- P0259 Injection Pump Fuel Metering Control "B" High (Cam/R
- P0260 Injection Pump Fuel Metering Control "B" Intermittent Injector)
- P0261 Cylinder I Injector Circuit Low
- P0262 Cylinder I Injector Circuit High
- P0263 Cylinder I 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 S 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/Range Fault

## DTC Codes - P0300-P0399 ♦ Ignition System or Misfire

- [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 \(Bank I or Single Sensor\)](#)
- P0326 Knock Sensor 1 Circuit Range/Performance (Bank 1 or Single Sensor)
- P0327 Knock Sensor 1 Circuit Low Input (Bank I or Single Sensor)
- P0328 Knock Sensor 1 Circuit High Input (Bank I 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
- 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
- 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

## **DTC Codes - P0400-P0499 ♦ Auxiliary Emissions Controls**

- [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
- 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 B 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 Circuit](#)
- 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 \(gross leak\)](#)
- [P0456 Evaporative Emissions System - Small leak detected](#)
- P0457
- P0458
- P0459
- 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 I 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

## **DTC Codes - P0500-P0599 ♦ Vehicle Speed Controls and Idle Control System**

- [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 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
- 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
- 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

## **DTC Codes - P0600-P0699 ♦ Computer Output Circuit**

- P0600 Serial Communication Link Malfunction
- [P0601 Internal Control Module Memory Check Sum Error](#)
- 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 "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

## **DTC Codes - P0700-P0899 ♦ Transmission**

- 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 I 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 Stock 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 A Electrical
- P0754 Shift Solenoid A Intermittent
- P0755 Shift Solenoid B Malfunction

- P0756 Shift Solenoid B Performance or Stock 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 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
- 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

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## Dodge / Chrysler / Jeep / Plymouth OBD-II Trouble Codes

Note: See [this page for generic OBD-II codes](#) (they start with P0XXX).

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- [P0304 2005 Dodge Neon SXT](#)

## Dodge / Chrysler / Jeep Specific Trouble Codes

See also - [Check-Engine-Light.com/Dodge](http://Check-Engine-Light.com/Dodge)

Code	Description
P1192	Inlet Air Temp. Circuit Low
P1193	Inlet Air Temp. Circuit High
P1195	1/1 O2 Sensor Slow During Catalyst Monitor
P1196	2/1 O2 Sensor Slow During Catalyst Monitor
P1197	1/2 O2 Sensor Slow During Catalyst Monitor
P1198	Radiator Temperature Sensor Volts Too High
P1199	Radiator Temperature Sensor Volts Too Low
P1281	Engine Is Cold Too Long
P1282	Fuel Pump Relay Control Circuit
P1283	Idle Select Signal Invalid
P1284	Fuel Injection Pump Battery Voltage Out Of Range
P1285	Fuel Injection Pump Controller Always On
P1286	Accelerator Pedal Position Sensor Supply Voltage Too High
P1287	Fuel Injection Pump Controller Supply Voltage Low
P1288	Intake Manifold Short Runner Solenoid Circuit
P1289	Manifold Tune Valve Solenoid Circuit
P1290	CNG Fuel Pressure Too High

P1291	No Temp Rise Seen From Fuel Heaters
P1292	CNG Pressure Sensor Voltage Too High
P1293	CNG Pressure Sensor Voltage Too Low
P1294	Target Idle Not Reached
P1295	No 5 Volts To TP Sensor
P1296	No 5 Volts To MAP Sensor
P1297	No Change in MAP From Start To Run
P1298	Lean Operation At wide Open Throttle
P1299	Vacuum Leak Found (IAC Fully Seated)
P1388	Auto Shutdown (ASD) Relay Control Circuit
P1389	No Auto Shutdown (ASD) Relay Output Voltage At PCM
P1390	Timing Belt Skipped One Tooth or More
P1391	Intermittent Loss of CMP or CKP
P1398	Mis-Fire Adapter Numerator at Limit
P1399	Wait To Start Lamp Circuit
P1403	No 5 Volts To EGR Sensor
P1475	Aux. 5 Volt Output Too High
P1476	Too Little Secondary Air
P1477	Too Much Secondary Air
P1478	Battery Temp Sensor Volts Out of Limit
P1479	Transmission Fan Relay Circuit
P1480	PCV Solenoid Valve
P1482	Catalyst Temperature Sensor Circuit Shorted Low
P1483	Catalyst Temperature Sensor Circuit Shorted High
P1484	Catalytic Converter Overheat Detected
P1485	Air Injection Solenoid Circuit
P1486	Evap Leak Monitor Pinched Hose
P1487	Hi Speed Rad Fan CTRL Relay Circuit



P1488	Auxiliary 5 Volt Supply Output Too Low
P1489	High Speed Fan CTRL Relay Circuit
P1490	Low Speed Fan CTRL Relay Circuit
P1491	Rad Fan Control Relay Circuit
P1492	Battery Temperature Sensor Voltage Too High
P1493	Battery Temperature Sensor Voltage Too Low
P1494	Leak Detection Pump Switch or Mechanical Fault
P1495	Leak Detection Pump Solenoid Circuit
P1496	5 Volt Supply Output Too Low
P1498	High speed Rad Fan Ground CTRL Rly Circuit
P1594	Charging System Voltage Too High
P1595	Speed Control Solenoid Circuits
P1596	Speed Control Switch Always High
P1597	Speed Control Switch Always Low
P1598	A/C Pressure Sensor Volts Too High
P1599	A/C Pressure Sensor Volts Too Low
P1602	PCM Not Programmed
P1680	Clutch Released Switch Circuit
P1681	No I/P Cluster CCD/J1850 Messages Received
P1682	Charging System Voltage Too Low
P1683	Speed Control Power Relay Or Speed Control 12 Volt Driver Circuit
P1684	Battery Disconnected Within Last 50 Starts
P1685	Skim Invalid Key
P1686	No SKIM Bus Message Received
P1687	No Cluster Bus Message
P1688	Internal Fuel Injection Pump Controller Failure
P1689	No Communication Between ECM & Injection Pump Module
P1690	Fuel injection pump CKP Sensor Does Not Agree With ECM CKP Sensor

P1691	Fuel Injection Pump Controller Calibration Failure
P1693	DTC Detected In ECM Or PCM
P1694	No CCD Messages Received From ECM
P1695	No CCD/J1850 Message From BCM
P1696	PCM Failure EEPROM Write Denied
P1697	PCM Failure SRI Mile Not Stored
P1698	No CCD Messages Received From PCM
P1719	Skip Shift Solenoid Circuit
P1740	TCC Or OD Solenoid Performance
P1756	Governor Pressure Not Equal To Target At 15 $\pm$ 20 PSI
P1757	Governor Pressure Above 3 PSI When Request Is 0 PSI
P1762	Governor Pressure Sensor Offset Improper Voltage
P1763	Governor Pressure Sensor Voltage Too High
P1764	Governor Pressure Sensor Voltage Too Low
P1765	Trans 12 Volt Supply Relay Control Circuit
P1899	Park/Neutral Position Switch Stuck In Park or In Gear

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