



## How 2 read fault codes

Part of the How 2 series produced by VVON.co.uk

Credit to & PDF of original How-to by mooney

### Disclaimer

The owners of VVON accept no responsibility for any damage to any person or any vehicle by following or using the information contained within this how 2 Guide.

How to do it.

- 1, Press brake and accelerator peddle (keep pressed down)
- 2, Turn key to acc (number 2)
- 3, Wait a few seconds this will do the same as the paper clip test with out having to link pins like the older cars

Please note: the 2.2 and 2.6 have two warning lights (not a service indicator!)

One is a pic of an engine that is the emmissions light

The onther EM light is a pic of a car with a spanner in. (this is the em light and the one that flashes.

As an example

10 flashes = 0

pause

3 flashes = 3

you will end up with a 4 number string, check this against the fault codes found here

[Auto Repair - By Category](#)

List of codes

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)

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 1)  
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 02 Sensor Circuit Low Voltage (Bank 2 Sensor 1)  
P0152 02 Sensor Circuit High Voltage (Bank 2 Sensor 1)  
P0153 02 Sensor Circuit Slow Response (Bank 2 Sensor 1)  
P0154 02 Sensor Circuit No Activity Detected (Bank 2 Sensor 1)  
P0155 02 Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)  
P0156 02 Sensor Circuit Malfunction (Bank 2 Sensor 2)  
P0157 02 Sensor Circuit Low Voltage (Bank 2 Sensor 2)  
P0158 02 Sensor Circuit High Voltage (Bank 2 Sensor 2)  
P0159 02 Sensor Circuit Slow Response (Bank 2 Sensor 2)  
P0160 02 Sensor Circuit No Activity Detected (Bank 2 Sensor 2)  
P0161 02 Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)  
P0162 02 Sensor Circuit Malfunction (Bank 2 Sensor 3)  
P0163 02 Sensor Circuit Low Voltage (Bank 2 Sensor 3)  
P0164 02 Sensor Circuit High Voltage (Bank 2 Sensor 3)  
P0165 02 Sensor Circuit Slow Response (Bank 2 Sensor 3)  
P0166 02 Sensor Circuit No Activity Detected (Bank 2 Sensor 3)  
P0167 02 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

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 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/Range Fault

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 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  
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

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 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

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

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

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 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 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 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 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