17.List of Diagnostic Trouble Code (DTC)

A: LIST

| DTC | Item | Index |
|-------|--|---|
| P0026 | Intake Valve Control Solenoid Circuit Range/Performance (Bank 1) | <ref. control="" dtc="" en(h4so="" intake="" p0026="" sole-<br="" to="" u5)(diag)-79,="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0028 | Intake Valve Control Solenoid Circuit Range/Performance (Bank 2) | <ref. control="" dtc="" en(h4so="" intake="" p0028="" sole-<br="" to="" u5)(diag)-81,="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0030 | HO2S Heater Control Circuit (Bank 1 Sensor 1) | <ref. cir-<br="" control="" dtc="" en(h4so="" heater="" ho2s="" p0030="" to="" u5)(diag)-83,="">CUIT (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0031 | HO2S Heater Control Circuit Low (Bank 1 Sensor 1) | <ref. cir-<br="" control="" dtc="" en(h4so="" heater="" ho2s="" p0031="" to="" u5)(diag)-85,="">CUIT LOW (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0032 | HO2S Heater Control Circuit High (Bank 1 Sensor 1) | <ref. cir-<br="" control="" dtc="" en(h4so="" heater="" ho2s="" p0032="" to="" u5)(diag)-87,="">CUIT HIGH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0037 | HO2S Heater Control Circuit Low (Bank 1 Sensor 2) | <ref. cir-<br="" control="" dtc="" en(h4so="" heater="" ho2s="" p0037="" to="" u5)(diag)-89,="">CUIT LOW (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0038 | HO2S Heater Control Circuit High (Bank 1 Sensor 2) | <ref. cir-<br="" control="" dtc="" en(h4so="" heater="" ho2s="" p0038="" to="" u5)(diag)-92,="">CUIT HIGH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0068 | MAP/MAF - Throttle Position Cor- relation | <ref. (dtc).="" -="" code="" correlation,="" diagnostic="" dtc="" en(h4so="" maf="" map="" p0068="" position="" procedure="" throttle="" to="" trouble="" u5)(diag)-94,="" with=""></ref.> |
| P0076 | Intake Valve Control Solenoid Circuit Low (Bank 1) | <ref. control="" dtc="" en(h4so="" intake="" p0076="" sole-<br="" to="" u5)(diag)-96,="" valve="">NOID CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0077 | Intake Valve Control Solenoid Circuit High (Bank 1) | <ref. control="" dtc="" en(h4so="" intake="" p0077="" sole-<br="" to="" u5)(diag)-98,="" valve="">NOID CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0082 | Intake Valve Control Solenoid Circuit Low (Bank 2) | <ref. (bank="" (dtc).="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" intake="" low="" p0082="" procedure="" solenoid="" to="" trouble="" u5)(diag)-100,="" valve="" with=""></ref.> |
| P0083 | Intake Valve Control Solenoid Circuit High (Bank 2) | <ref. (bank="" (dtc).="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" high="" intake="" p0083="" procedure="" solenoid="" to="" trouble="" u5)(diag)-102,="" valve="" with=""></ref.> |
| P0101 | Mass or Volume Air Flow Circuit Range/Performance | <ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h4so="" flow="" mass="" or="" p0101="" performance,="" procedure="" range="" to="" trouble="" u5)(diag)-104,="" volume="" with=""></ref.> |
| P0102 | Mass or Volume Air Flow Circuit Low Input | <ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h4so="" flow="" input,="" low="" mass="" or="" p0102="" procedure="" to="" trouble="" u5)(diag)-106,="" volume="" with=""></ref.> |
| P0103 | Mass or Volume Air Flow Circuit High Input | <ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h4so="" flow="" high="" input,="" mass="" or="" p0103="" procedure="" to="" trouble="" u5)(diag)-109,="" volume="" with=""></ref.> |
| P0107 | Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input | <ref. absolute="" dtc="" en(h4so="" manifold="" p0107="" pres-<br="" to="" u5)(diag)-111,="">SURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0108 | Manifold Absolute Pressure/Baro- metric Pressure Circuit High Input | <ref. absolute="" dtc="" en(h4so="" manifold="" p0108="" pres-<br="" to="" u5)(diag)-114,="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.> |
| P0111 | Intake Air Temperature Sensor 1 Circuit Range/Performance | <ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h4so="" intake="" p0111="" performance,="" procedure="" range="" sensor="" temperature="" to="" trouble="" u5)(diag)-117,="" with=""></ref.> |

List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

| DTC | Item | Index |
|-------|---|--|
| P0112 | Intake Air Temperature Sensor 1 Circuit Low | <ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h4so="" intake="" low,="" p0112="" procedure="" sensor="" temperature="" to="" trouble="" u5)(diag)-119,="" with=""></ref.> |
| P0113 | Intake Air Temperature Sensor 1 Circuit High | <ref. air="" dtc="" en(h4so="" intake="" p0113="" temperature<br="" to="" u5)(diag)-121,="">SENSOR 1 CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0117 | Engine Coolant Temperature Circuit Low | <ref. coolant="" dtc="" en(h4so="" engine="" p0117="" tempera-<br="" to="" u5)(diag)-124,="">TURE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0118 | Engine Coolant Temperature Circuit High | <ref. coolant="" dtc="" en(h4so="" engine="" p0118="" tempera-<br="" to="" u5)(diag)-126,="">TURE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0122 | Throttle/Pedal Position Sensor/ Switch "A" Circuit Low | <ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" low,="" p0122="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-129,="" with=""></ref.> |
| P0123 | Throttle/Pedal Position Sensor/ Switch "A" Circuit High | <ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high,="" p0123="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-131,="" with=""></ref.> |
| P0125 | Insufficient Coolant Temperature for Closed Loop Fuel Control | <ref. coolant="" dtc="" en(h4so="" insufficient="" p0125="" tem-<br="" to="" u5)(diag)-133,="">PERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0126 | Insufficient Engine Coolant Temperature for Stable Operation | <ref. cool-<br="" dtc="" en(h4so="" engine="" insufficient="" p0126="" to="" u5)(diag)-135,="">ANT TEMPERATURE FOR STABLE OPERATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0128 | Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature) | <ref. coolant="" dtc="" en(h4so="" p0128="" thermostat<br="" to="" u5)(diag)-137,="">(ENGINE COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0131 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1) | <ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4so="" low="" o2="" p0131="" procedure="" sensor="" to="" trouble="" u5)(diag)-138,="" voltage="" with=""></ref.> |
| P0132 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 1) | <ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high="" o2="" p0132="" procedure="" sensor="" to="" trouble="" u5)(diag)-140,="" voltage="" with=""></ref.> |
| P0133 | O2 Sensor Circuit Slow Response (Bank 1 Sensor 1) | <ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4so="" o2="" p0133="" procedure="" response="" sensor="" slow="" to="" trouble="" u5)(diag)-142,="" with=""></ref.> |
| P0134 | O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1) | <ref. (bank="" (dtc).="" 1="" 1),="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h4so="" no="" o2="" p0134="" procedure="" sensor="" to="" trouble="" u5)(diag)-144,="" with=""></ref.> |
| P0137 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2) | <ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4so="" low="" o2="" p0137="" procedure="" sensor="" to="" trouble="" u5)(diag)-146,="" voltage="" with=""></ref.> |
| P0138 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 2) | <ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high="" o2="" p0138="" procedure="" sensor="" to="" trouble="" u5)(diag)-149,="" voltage="" with=""></ref.> |
| P0139 | O2 Sensor Circuit Slow Response (Bank 1 Sensor 2) | <ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4so="" o2="" p0139="" procedure="" response="" sensor="" slow="" to="" trouble="" u5)(diag)-152,="" with=""></ref.> |
| P0140 | O2 Sensor Circuit No Activity Detected (Bank1 Sensor2) | <ref. (bank1="" (dtc).="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h4so="" no="" o2="" p0140="" procedure="" sensor="" sensor2),="" to="" trouble="" u5)(diag)-154,="" with=""></ref.> |
| P0171 | System Too Lean (Bank 1) | <ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h4so="" lean="" p0171="" procedure="" system="" to="" too="" trouble="" u5)(diag)-156,="" with=""></ref.> |
| P0172 | System Too Rich (Bank 1) | <ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h4so="" p0172="" procedure="" rich="" system="" to="" too="" trouble="" u5)(diag)-157,="" with=""></ref.> |
| P0181 | Fuel Temperature Sensor "A" Circuit Range/Performance | <ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" fuel="" p0181="" performance,="" procedure="" range="" sensor="" temperature="" to="" trouble="" u5)(diag)-159,="" with=""></ref.> |

| DTC | Item | Index |
|-------|--|--|
| P0182 | Fuel Temperature Sensor "A" Circuit Low Input | <ref. dtc="" en(h4so="" fuel="" p0182="" sensor<br="" temperature="" to="" u5)(diag)-161,="">"A" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0183 | Fuel Temperature Sensor "A" Circuit High Input | <ref. dtc="" en(h4so="" fuel="" p0183="" sensor<br="" temperature="" to="" u5)(diag)-163,="">"A" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0196 | Engine Oil Temperature Sensor Circuit Range/Performance | <ref. dtc="" en(h4so="" engine="" oil="" p0196="" temperature<br="" to="" u5)(diag)-166,="">SENSOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.> |
| P0197 | Engine Oil Temperature Sensor Low | <ref. dtc="" en(h4so="" engine="" oil="" p0197="" temperature<br="" to="" u5)(diag)-168,="">SENSOR LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0198 | Engine Oil Temperature Sensor High | <ref. (dtc).="" code="" diagnostic="" dtc="" en(h4so="" engine="" high,="" oil="" p0198="" procedure="" sensor="" temperature="" to="" trouble="" u5)(diag)-170,="" with=""></ref.> |
| P0222 | Throttle/Pedal Position Sensor/ Switch "B" Circuit Low | <ref. "b"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" low,="" p0222="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-172,="" with=""></ref.> |
| P0223 | Throttle/Pedal Position Sensor/ Switch "B" Circuit High | <ref. "b"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high,="" p0223="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-174,="" with=""></ref.> |
| P0301 | Cylinder 1 Misfire Detected | <ref. (dtc).="" 1="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4so="" misfire="" p0301="" procedure="" to="" trouble="" u5)(diag)-176,="" with=""></ref.> |
| P0302 | Cylinder 2 Misfire Detected | <ref. (dtc).="" 2="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4so="" misfire="" p0302="" procedure="" to="" trouble="" u5)(diag)-176,="" with=""></ref.> |
| P0303 | Cylinder 3 Misfire Detected | <ref. (dtc).="" 3="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4so="" misfire="" p0303="" procedure="" to="" trouble="" u5)(diag)-176,="" with=""></ref.> |
| P0304 | Cylinder 4 Misfire Detected | <ref. (dtc).="" 4="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4so="" misfire="" p0304="" procedure="" to="" trouble="" u5)(diag)-177,="" with=""></ref.> |
| P0327 | Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor) | <ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h4so="" knock="" low="" or="" p0327="" procedure="" sensor="" sensor),="" single="" to="" trouble="" u5)(diag)-183,="" with=""></ref.> |
| P0328 | Knock Sensor 1 Circuit High (Bank 1 or Single Sensor) | <ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high="" knock="" or="" p0328="" procedure="" sensor="" sensor),="" single="" to="" trouble="" u5)(diag)-185,="" with=""></ref.> |
| P0335 | Crankshaft Position Sensor "A" Circuit | <ref. crankshaft="" dtc="" en(h4so="" p0335="" position="" sen-<br="" to="" u5)(diag)-187,="">SOR "A" CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0336 | Crankshaft Position Sensor "A" Circuit Range/Performance | <ref. crankshaft="" dtc="" en(h4so="" p0336="" position="" sen-<br="" to="" u5)(diag)-189,="">SOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.> |
| P0340 | Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor) | <ref. "a"="" (bank="" (dtc).="" 1="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(h4so="" or="" p0340="" position="" procedure="" sensor="" sensor),="" single="" to="" trouble="" u5)(diag)-191,="" with=""></ref.> |
| P0341 | Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Single Sensor) | <ref. "a"="" (bank="" (dtc).="" 1="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(h4so="" or="" p0341="" performance="" position="" procedure="" range="" sensor="" sensor),="" single="" to="" trouble="" u5)(diag)-193,="" with=""></ref.> |
| P0400 | Exhaust Gas Recirculation Flow | <ref. dtc="" en(h4so="" exhaust="" gas="" p0400="" recircula-<br="" to="" u5)(diag)-196,="">TION FLOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0420 | Catalyst System Efficiency Below Threshold (Bank 1) | <ref. catalyst="" dtc="" effi-<br="" en(h4so="" p0420="" system="" to="" u5)(diag)-199,="">CIENCY BELOW THRESHOLD (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0442 | Evaporative Emission Control System Leak Detected (Small Leak) | <ref. (dtc).="" (small="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" leak="" leak),="" p0442="" procedure="" system="" to="" trouble="" u5)(diag)-203,="" with=""></ref.> |
| P0447 | Evaporative Emission Control System Vent Control Circuit Open | <ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" open,="" p0447="" procedure="" system="" to="" trouble="" u5)(diag)-206,="" vent="" with=""></ref.> |

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| DTC | Item | Index |
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| P0448 | Evaporative Emission Control System Vent Control Circuit Shorted | <ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" p0448="" procedure="" shorted,="" system="" to="" trouble="" u5)(diag)-209,="" vent="" with=""></ref.> |
| P0451 | Evaporative Emission Control System Pressure Sensor | <ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" p0451="" pressure="" procedure="" sensor,="" system="" to="" trouble="" u5)(diag)-211,="" with=""></ref.> |
| P0452 | Evaporative Emission Control System Pressure Sensor Low Input | <ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" input,="" low="" p0452="" pressure="" procedure="" sensor="" system="" to="" trouble="" u5)(diag)-213,="" with=""></ref.> |
| P0453 | Evaporative Emission Control System Pressure Sensor High Input | <ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" high="" input,="" p0453="" pressure="" procedure="" sensor="" system="" to="" trouble="" u5)(diag)-216,="" with=""></ref.> |
| P0456 | Evaporative Emission Control System Leak Detected (Very Small Leak) | <ref. (dtc).="" (very="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" leak="" leak),="" p0456="" procedure="" small="" system="" to="" trouble="" u5)(diag)-219,="" with=""></ref.> |
| P0457 | Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off) | <ref. (dtc).="" (fuel="" cap="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" leak="" loose="" off),="" p0457="" procedure="" system="" to="" trouble="" u5)(diag)-222,="" with=""></ref.> |
| P0458 | Evaporative Emission System Purge Control Valve Circuit Low | <ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" low,="" p0458="" procedure="" purge="" system="" to="" trouble="" u5)(diag)-225,="" valve="" with=""></ref.> |
| P0459 | Evaporative Emission System Purge Control Valve Circuit High | <ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so="" evaporative="" high,="" p0459="" procedure="" purge="" system="" to="" trouble="" u5)(diag)-227,="" valve="" with=""></ref.> |
| P0461 | Fuel Level Sensor "A" Circuit Range/Performance | <ref. "a"="" cir-<br="" dtc="" en(h4so="" fuel="" level="" p0461="" sensor="" to="" u5)(diag)-229,="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0462 | Fuel Level Sensor "A" Circuit Low | <ref. "a"="" cir-<br="" dtc="" en(h4so="" fuel="" level="" p0462="" sensor="" to="" u5)(diag)-229,="">CUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0463 | Fuel Level Sensor "A" Circuit High | <ref. "a"="" cir-<br="" dtc="" en(h4so="" fuel="" level="" p0463="" sensor="" to="" u5)(diag)-229,="">CUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P0464 | Fuel Level Sensor Circuit Intermittent | <ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" fuel="" intermittent,="" level="" p0464="" procedure="" sensor="" to="" trouble="" u5)(diag)-229,="" with=""></ref.> |
| P0483 | Fan Rationality Check | <ref. (dtc).="" check,="" code="" diagnostic="" dtc="" en(h4so="" fan="" p0483="" procedure="" rationality="" to="" trouble="" u5)(diag)-230,="" with=""></ref.> |
| P0500 | Vehicle Speed Sensor "A" | <ref. "a",="" (dtc).="" code="" diagnostic="" dtc="" en(h4so="" p0500="" procedure="" sensor="" speed="" to="" trouble="" u5)(diag)-230,="" vehicle="" with=""></ref.> |
| P0506 | Idle Air Control System RPM Lower Than Expected | <ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h4so="" expected,="" idle="" lower="" p0506="" procedure="" rpm="" system="" than="" to="" trouble="" u5)(diag)-231,="" with=""></ref.> |
| P0507 | Idle Air Control System RPM Higher Than Expected | <ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h4so="" expected,="" higher="" idle="" p0507="" procedure="" rpm="" system="" than="" to="" trouble="" u5)(diag)-233,="" with=""></ref.> |
| P0512 | Starter Request Circuit | <ref. (dtc).="" circuit,="" code="" diagnostic="" dtc="" en(h4so="" p0512="" procedure="" request="" starter="" to="" trouble="" u5)(diag)-235,="" with=""></ref.> |
| P0519 | Idle Air Control System Performance | <ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h4so="" idle="" p0519="" performance,="" procedure="" system="" to="" trouble="" u5)(diag)-237,="" with=""></ref.> |
| P0600 | Serial Communication Link | <ref. (dtc).="" code="" communication="" diagnostic="" dtc="" en(h4so="" link,="" p0600="" procedure="" serial="" to="" trouble="" u5)(diag)-238,="" with=""></ref.> |
| P0602 | Control Module Programming Error | <ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h4so="" error,="" module="" p0602="" procedure="" program-ming="" to="" trouble="" u5)(diag)-239,="" with=""></ref.> |
| P0604 | Internal Control Module Random Access Memory (RAM) Error | <ref. (dtc).="" (ram)="" access="" code="" control="" diagnostic="" dtc="" en(h4so="" error,="" internal="" memory="" module="" p0604="" procedure="" random="" to="" trouble="" u5)(diag)-249,="" with=""></ref.> |
| P0605 | Internal Control Module Read Only Memory (ROM) Error | <ref. (dtc).="" (rom)="" code="" control="" diagnostic="" dtc="" en(h4so="" error,="" internal="" memory="" module="" only="" p0605="" procedure="" read="" to="" trouble="" u5)(diag)-249,="" with=""></ref.> |

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| P0607 | Control Module Performance | <ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h4so="" module="" p0607="" perfor-mance,="" procedure="" to="" trouble="" u5)(diag)-250,="" with=""></ref.> |
| P0638 | Throttle Actuator Control Range/ Performance (Bank 1) | <ref. (bank="" (dtc).="" 1),="" actuator="" code="" control="" diagnostic="" dtc="" en(h4so="" p0638="" performance="" procedure="" range="" throttle="" to="" trouble="" u5)(diag)-252,="" with=""></ref.> |
| P0691 | Fan 1 Control Circuit Low | <ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" fan="" low,="" p0691="" procedure="" to="" trouble="" u5)(diag)-252,="" with=""></ref.> |
| P0692 | Fan 1 Control Circuit High | <ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" fan="" high,="" p0692="" procedure="" to="" trouble="" u5)(diag)-252,="" with=""></ref.> |
| P0700 | Transmission Control System (MIL Request) | <ref. (dtc).="" (mil="" code="" control="" diagnostic="" dtc="" en(h4so="" p0700="" procedure="" request),="" system="" to="" transmission="" trouble="" u5)(diag)-252,="" with=""></ref.> |
| P0851 | Park/Neutral Switch Input Circuit Low | <ref. (at="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" input="" low="" model),="" neutral="" p0851="" park="" procedure="" switch="" to="" trouble="" u5)(diag)-253,="" with=""> or <ref. (dtc).="" (mt="" circuit="" code="" diagnostic="" dtc="" en(h4so="" input="" low="" model),="" neutral="" p0851="" procedure="" switch="" to="" trouble="" u5)(diag)-255,="" with=""></ref.></ref.> |
| P0852 | Park/Neutral Switch Input Circuit High | <ref. (at="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high="" input="" model),="" neutral="" p0852="" park="" procedure="" switch="" to="" trouble="" u5)(diag)-257,="" with=""> or <ref. (dtc).="" (mt="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high="" input="" model),="" neutral="" p0852="" procedure="" switch="" to="" trouble="" u5)(diag)-260,="" with=""></ref.></ref.> |
| P1152 | O2 Sensor Circuit Range/Performance (Low) (Bank1 Sensor1) | <ref. <br="" circuit="" dtc="" en(h4so="" o2="" p1152="" range="" sensor="" to="" u5)(diag)-262,="">PERFORMANCE (LOW) (BANK1 SENSOR1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P1153 | O2 Sensor Circuit Range/Performance (High) (Bank1 Sensor1) | <ref. <br="" circuit="" dtc="" en(h4so="" o2="" p1153="" range="" sensor="" to="" u5)(diag)-264,="">PERFORMANCE (HIGH) (BANK1 SENSOR1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P1160 | Return Spring Failure | <ref. (dtc).="" code="" diagnostic="" dtc="" en(h4so="" failure,="" p1160="" procedure="" return="" spring="" to="" trouble="" u5)(diag)-265,="" with=""></ref.> |
| P1400 | Fuel Tank Pressure Control Sole- noid Valve Circuit Low | <ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" fuel="" low,="" p1400="" pressure="" procedure="" solenoid="" tank="" to="" trouble="" u5)(diag)-266,="" valve="" with=""></ref.> |
| P1420 | Fuel Tank Pressure Control Sol. Valve Circuit High | <ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" fuel="" high,="" p1420="" pressure="" procedure="" sol.="" tank="" to="" trouble="" u5)(diag)-268,="" valve="" with=""></ref.> |
| P1443 | Vent Control Solenoid Valve Function Problem | <ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h4so="" function="" p1443="" problem,="" procedure="" solenoid="" to="" trouble="" u5)(diag)-270,="" valve="" vent="" with=""></ref.> |
| P1491 | Positive Crankcase Ventilation (Blow-by) Function Problem | <ref. crankcase="" dtc="" en(h4so="" p1491="" positive="" to="" u5)(diag)-272,="" venti-<br="">LATION (BLOW-BY) FUNCTION PROBLEM, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.> |
| P1492 | EGR Solenoid Valve Signal #1 Circuit Malfunction (Low Input) | <ref. #1="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1492="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-274,="" valve="" with=""></ref.> |
| P1493 | EGR Solenoid Valve Signal #1 Circuit Malfunction (High Input) | <ref. #1="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1493="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-274,="" valve="" with=""></ref.> |
| P1494 | EGR Solenoid Valve Signal #2 Circuit Malfunction (Low Input) | <ref. #2="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1494="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-274,="" valve="" with=""></ref.> |
| P1495 | EGR Solenoid Valve Signal #2 Circuit Malfunction (High Input) | <ref. #2="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1495="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-274,="" valve="" with=""></ref.> |
| P1496 | EGR Solenoid Valve Signal #3 Circuit Malfunction (Low Input) | <ref. #3="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1496="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-274,="" valve="" with=""></ref.> |

List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

| DTC | Item | Index |
|-------|---|--|
| P1497 | EGR Solenoid Valve Signal #3 Circuit Malfunction (High Input) | <ref. #3="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1497="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-274,="" valve="" with=""></ref.> |
| P1498 | EGR Solenoid Valve Signal #4 Circuit Malfunction (Low Input) | <ref. #4="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1498="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-275,="" valve="" with=""></ref.> |
| P1499 | EGR Solenoid Valve Signal #4 Circuit Malfunction (High Input) | <ref. #4="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so="" input),="" malfunction="" p1499="" procedure="" signal="" solenoid="" to="" trouble="" u5)(diag)-278,="" valve="" with=""></ref.> |
| P1518 | Starter Switch Circuit Low Input | <ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" input,="" low="" p1518="" procedure="" starter="" switch="" to="" trouble="" u5)(diag)-281,="" with=""></ref.> |
| P1560 | Back-up Voltage Circuit Malfunction | <ref. (dtc).="" back-up="" circuit="" code="" diagnostic="" dtc="" en(h4so="" malfunction,="" p1560="" procedure="" to="" trouble="" u5)(diag)-283,="" voltage="" with=""></ref.> |
| P2096 | Post Catalyst Fuel Trim System Too Lean Bank 1 | <ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h4so="" fuel="" lean="" p2096="" post="" procedure="" system="" to="" too="" trim="" trouble="" u5)(diag)-285,="" with=""></ref.> |
| P2097 | Post Catalyst Fuel Trim System Too Rich Bank 1 | <ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h4so="" fuel="" p2097="" post="" procedure="" rich="" system="" to="" too="" trim="" trouble="" u5)(diag)-291,="" with=""></ref.> |
| P2101 | Throttle Actuator Control Motor Circuit Range/Performance | <ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" motor="" p2101="" performance,="" procedure="" range="" throttle="" to="" trouble="" u5)(diag)-296,="" with=""></ref.> |
| P2102 | Throttle Actuator Control Motor Circuit Low | <ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" low,="" motor="" p2102="" procedure="" throttle="" to="" trouble="" u5)(diag)-302,="" with=""></ref.> |
| P2103 | Throttle Actuator Control Motor Circuit High | <ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so="" high,="" motor="" p2103="" procedure="" throttle="" to="" trouble="" u5)(diag)-304,="" with=""></ref.> |
| P2109 | Throttle/Pedal Position Sensor "A" Minimum Stop Performance | <ref. "a"="" (dtc).="" code="" diagnostic="" dtc="" en(h4so="" minimum="" p2109="" pedal="" performance,="" position="" procedure="" sensor="" stop="" throttle="" to="" trouble="" u5)(diag)-305,="" with=""></ref.> |
| P2122 | Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input | <ref. "d"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" input,="" low="" p2122="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-306,="" with=""></ref.> |
| P2123 | Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input | <ref. "d"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high="" input,="" p2123="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-309,="" with=""></ref.> |
| P2127 | Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input | <ref. "e"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" input,="" low="" p2127="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-311,="" with=""></ref.> |
| P2128 | Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input | <ref. "e"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so="" high="" input,="" p2128="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-314,="" with=""></ref.> |
| P2135 | Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation | <ref. "a"="" "b"="" (dtc).="" code="" correlation,="" diagnostic="" dtc="" en(h4so="" p2135="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-316,="" voltage="" with=""></ref.> |
| P2138 | Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation | <ref. "d"="" "e"="" (dtc).="" code="" correlation,="" diagnostic="" dtc="" en(h4so="" p2138="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" u5)(diag)-320,="" voltage="" with=""></ref.> |
| P2227 | Barometric Pressure Circuit Range/Performance | <ref. barometric="" cir-<br="" dtc="" en(h4so="" p2227="" pressure="" to="" u5)(diag)-324,="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |
| P2228 | Barometric Pressure Circuit Low | <ref. (dtc).="" barometric="" cir-cuit="" code="" diagnostic="" dtc="" en(h4so="" low,="" p2228="" pressure="" procedure="" to="" trouble="" u5)(diag)-324,="" with=""></ref.> |
| P2229 | Barometric Pressure Circuit High | <ref. barometric="" cir-<br="" dtc="" en(h4so="" p2229="" pressure="" to="" u5)(diag)-325,="">CUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.> |