# 17.List of Diagnostic Trouble Code (DTC)

## A: LIST

| DTC | Item | Note |
|---|---|---|
| B1570 | Antenna | <Ref. to IM(diag)-16, DTC B1570 ANTENNA, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| B1571 | Reference Code Incompatibility | <Ref. to IM(diag)-18, DTC B1571 REFERENCE CODE INCOMPATIBILITY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to KPS(diag)-81, DTC B1571 REFERENCE CODE INCOMPATIBILITY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| B1572 | IMM Circuit Failure (Except Antenna Circuit) | <Ref. to IM(diag)-19, DTC B1572 IMM CIRCUIT FAILURE (EXCEPT ANTENNA CIRCUIT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to KPS(diag)-82, DTC B1572 IMM CIRCUIT FAILURE (EXCEPT ANTENNA CIRCUIT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| B1574 | Key Communication Failure | <Ref. to IM(diag)-21, DTC B1574 KEY COMMUNICATION FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| B1575 | Incorrect Immobilizer Key | <Ref. to IM(diag)-22, DTC B1575 INCORRECT IMMOBILIZER KEY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| B1576 | EGI Control Module EEPROM | <Ref. to IM(diag)-22, DTC B1576 EGI CONTROL MODULE EEPROM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to KPS(diag)-84, DTC B1576 EGI CONTROL MODULE EEPROM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| B1577 | IMM Control Module EEPROM | <Ref. to IM(diag)-23, DTC B1577 IMM CONTROL MODULE EEPROM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to KPS(diag)-84, DTC B1577 IMM CONTROL MODULE EEPROM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| B1578 | Meter Failure | <Ref. to IM(diag)-24, DTC B1578 METER FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P000A | A Camshaft Position Slow Response (Bank 1) | <Ref. to EN(H4DO)(diag)-92, DTC P000A A CAMSHAFT POSITION SLOW RESPONSE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P000C | A Camshaft Position Slow Response (Bank 2) | <Ref. to EN(H4DO)(diag)-92, DTC P000C A CAMSHAFT POSITION SLOW RESPONSE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0010 | "A" Camshaft Position Actuator Circuit/Open (Bank 1) | <Ref. to EN(H4DO)(diag)-93, DTC P0010 "A" CAMSHAFT POSITION ACTUATOR CIRCUIT/OPEN (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0011 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 1) | <Ref. to EN(H4DO)(diag)-95, DTC P0011 INTAKE CAMSHAFT POSITION - TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0016 | Crankshaft Position - Camshaft Position Correlation (Bank1) | <Ref. to EN(H4DO)(diag)-96, DTC P0016 CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION (BANK1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0018 | Crankshaft Position - Camshaft Position Correlation (Bank2) | <Ref. to EN(H4DO)(diag)-97, DTC P0018 CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION (BANK2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0020 | "A" Camshaft Position Actuator Circuit/Open (Bank 2) | <Ref. to EN(H4DO)(diag)-98, DTC P0020 "A" CAMSHAFT POSITION ACTUATOR CIRCUIT/OPEN (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0021 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 2) | <Ref. to EN(H4DO)(diag)-100, DTC P0021 INTAKE CAMSHAFT POSITION - TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0030 | HO2S Heater Control Circuit (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-101, DTC P0030 HO2S HEATER CONTROL CIRCUIT (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0031 | HO2S Heater Control Circuit Low (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-103, DTC P0031 HO2S HEATER CONTROL CIRCUIT LOW (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

| DTC | Item | Note |
|---|---|---|
| P0032 | HO2S Heater Control Circuit High (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-105, DTC P0032 HO2S HEATER CONTROL CIRCUIT HIGH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0037 | HO2S Heater Control Circuit Low (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-107, DTC P0037 HO2S HEATER CONTROL CIRCUIT LOW (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0038 | HO2S Heater Control Circuit High (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-109, DTC P0038 HO2S HEATER CONTROL CIRCUIT HIGH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0068 | MAP/MAF - Throttle Position Correlation | <Ref. to EN(H4DO)(diag)-111, DTC P0068 MAP/MAF - THROTTLE POSITION CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0101 | Mass or Volume Air Flow Circuit Range/Performance | <Ref. to EN(H4DO)(diag)-112, DTC P0101 MASS OR VOLUME AIR FLOW CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0102 | Mass or Volume Air Flow Circuit Low Input | <Ref. to EN(H4DO)(diag)-113, DTC P0102 MASS OR VOLUME AIR FLOW CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0103 | Mass or Volume Air Flow Circuit High Input | <Ref. to EN(H4DO)(diag)-115, DTC P0103 MASS OR VOLUME AIR FLOW CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0107 | Manifold Absolute Pressure/Barometric Pressure Circuit Low Input | <Ref. to EN(H4DO)(diag)-117, DTC P0107 MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0108 | Manifold Absolute Pressure/Barometric Pressure Circuit High Input | <Ref. to EN(H4DO)(diag)-119, DTC P0108 MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0111 | Intake Air Temperature Sensor Range/Performance Problem | <Ref. to EN(H4DO)(diag)-121, DTC P0111 INTAKE AIR TEMPERATURE SENSOR RANGE/PERFORMANCE PROBLEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0112 | Intake Air Temperature Sensor 1 Circuit Low | <Ref. to EN(H4DO)(diag)-122, DTC P0112 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0113 | Intake Air Temperature Sensor 1 Circuit High | <Ref. to EN(H4DO)(diag)-124, DTC P0113 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0116 | Engine Coolant Temperature Sensor 1 Circuit Range/Performance | <Ref. to EN(H4DO)(diag)-126, DTC P0116 ENGINE COOLANT TEMPERATURE SENSOR 1 CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0117 | Engine Coolant Temperature Circuit Low | <Ref. to EN(H4DO)(diag)-127, DTC P0117 ENGINE COOLANT TEMPERATURE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0118 | Engine Coolant Temperature Circuit High | <Ref. to EN(H4DO)(diag)-129, DTC P0118 ENGINE COOLANT TEMPERATURE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0122 | Throttle/Pedal Position Sensor/Switch "A" Circuit Low | <Ref. to EN(H4DO)(diag)-131, DTC P0122 THROTTLE/PEDAL POSITION SENSOR/SWITCH "A" CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0123 | Throttle/Pedal Position Sensor/Switch "A" Circuit High | <Ref. to EN(H4DO)(diag)-134, DTC P0123 THROTTLE/PEDAL POSITION SENSOR/SWITCH "A" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0125 | Insufficient Coolant Temperature for Closed Loop Fuel Control | <Ref. to EN(H4DO)(diag)-137, DTC P0125 INSUFFICIENT COOLANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0128 | Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature) | <Ref. to EN(H4DO)(diag)-138, DTC P0128 COOLANT THERMOSTAT (ENGINE COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0131 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-139, DTC P0131 O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0132 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-141, DTC P0132 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

| DTC | Item | Note |
|---|---|---|
| P0134 | O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-143, DTC P0134 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0137 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-145, DTC P0137 O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0138 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-147, DTC P0138 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P013A | O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-149, DTC P013A O2 SENSOR SLOW RESPONSE - RICH TO LEAN (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P013B | O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-150, DTC P013B O2 SENSOR SLOW RESPONSE - LEAN TO RICH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P013E | O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-150, DTC P013E O2 SENSOR DELAYED RESPONSE - RICH TO LEAN (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P013F | O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 2) | <Ref. to EN(H4DO)(diag)-150, DTC P013F O2 SENSOR DELAYED RESPONSE - LEAN TO RICH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0140 | O2 Sensor Circuit No Activity Detected (Bank1 Sensor2) | <Ref. to EN(H4DO)(diag)-151, DTC P0140 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK1 SENSOR2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0141 | O2 Sensor Heater Circuit (Bank1 Sensor2) | <Ref. to EN(H4DO)(diag)-153, DTC P0141 O2 SENSOR HEATER CIRCUIT (BANK1 SENSOR2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P014C | O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-154, DTC P014C O2 SENSOR SLOW RESPONSE - RICH TO LEAN (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P014D | O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-154, DTC P014D O2 SENSOR SLOW RESPONSE - LEAN TO RICH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P015A | O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-154, DTC P015A O2 SENSOR DELAYED RESPONSE - RICH TO LEAN (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P015B | O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-154, DTC P015B O2 SENSOR DELAYED RESPONSE - LEAN TO RICH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0171 | System Too Lean (Bank 1) | <Ref. to EN(H4DO)(diag)-154, DTC P0171 SYSTEM TOO LEAN (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0172 | System Too Rich (Bank 1) | <Ref. to EN(H4DO)(diag)-155, DTC P0172 SYSTEM TOO RICH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0196 | Engine Oil Temperature Sensor Circuit Range/Performance | <Ref. to EN(H4DO)(diag)-157, DTC P0196 ENGINE OIL TEMPERATURE SENSOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0197 | Engine Oil Temperature Sensor Low | <Ref. to EN(H4DO)(diag)-158, DTC P0197 ENGINE OIL TEMPERATURE SENSOR LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0198 | Engine Oil Temperature Sensor High | <Ref. to EN(H4DO)(diag)-160, DTC P0198 ENGINE OIL TEMPERATURE SENSOR HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0201 | Injector #1 | <Ref. to EN(H4DO)(diag)-162, DTC P0201 INJECTOR #1, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0202 | Injector #2 | <Ref. to EN(H4DO)(diag)-164, DTC P0202 INJECTOR #2, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0203 | Injector #3 | <Ref. to EN(H4DO)(diag)-164, DTC P0203 INJECTOR #3, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0204 | Injector #4 | <Ref. to EN(H4DO)(diag)-164, DTC P0204 INJECTOR #4, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

| DTC | Item | Note |
|---|---|---|
| P0222 | Throttle/Pedal Position Sensor/ Switch "B" Circuit Low | <Ref. to EN(H4DO)(diag)-165, DTC P0222 THROTTLE/PEDAL POSITION SENSOR/SWITCH "B" CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0223 | Throttle/Pedal Position Sensor/ Switch "B" Circuit High | <Ref. to EN(H4DO)(diag)-168, DTC P0223 THROTTLE/PEDAL POSITION SENSOR/SWITCH "B" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0300 | Random/Multiple Cylinder Misfire Detected | <Ref. to EN(H4DO)(diag)-171, DTC P0300 RANDOM/MULTIPLE CYLINDER MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0301 | Cylinder 1 Misfire Detected | <Ref. to EN(H4DO)(diag)-176, DTC P0301 CYLINDER 1 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0302 | Cylinder 2 Misfire Detected | <Ref. to EN(H4DO)(diag)-176, DTC P0302 CYLINDER 2 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0303 | Cylinder 3 Misfire Detected | <Ref. to EN(H4DO)(diag)-176, DTC P0303 CYLINDER 3 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0304 | Cylinder 4 Misfire Detected | <Ref. to EN(H4DO)(diag)-177, DTC P0304 CYLINDER 4 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0327 | Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor) | <Ref. to EN(H4DO)(diag)-182, DTC P0327 KNOCK SENSOR 1 CIRCUIT LOW (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0328 | Knock Sensor 1 Circuit High (Bank 1 or Single Sensor) | <Ref. to EN(H4DO)(diag)-184, DTC P0328 KNOCK SENSOR 1 CIRCUIT HIGH (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0335 | Crankshaft Position Sensor "A" Circuit | <Ref. to EN(H4DO)(diag)-186, DTC P0335 CRANKSHAFT POSITION SENSOR "A" CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0336 | Crankshaft Position Sensor "A" Circuit Range/Performance | <Ref. to EN(H4DO)(diag)-188, DTC P0336 CRANKSHAFT POSITION SENSOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0340 | Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor) | <Ref. to EN(H4DO)(diag)-189, DTC P0340 CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0341 | Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Single Sensor) | <Ref. to EN(H4DO)(diag)-191, DTC P0341 CAMSHAFT POSITION SENSOR "A" CIRCUIT RANGE/PERFORMANCE (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0345 | Camshaft Position Sensor "A" Circuit (Bank 2) | <Ref. to EN(H4DO)(diag)-192, DTC P0345 CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0346 | Camshaft Position Sensor "A" Circuit Range/Performance (Bank 2) | <Ref. to EN(H4DO)(diag)-194, DTC P0346 CAMSHAFT POSITION SENSOR "A" CIRCUIT RANGE/PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0351 | Ignition Coil A Primary/Secondary Circuit | <Ref. to EN(H4DO)(diag)-195, DTC P0351 IGNITION COIL A PRIMARY/SECONDARY CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0352 | Ignition Coil B Primary/Secondary Circuit | <Ref. to EN(H4DO)(diag)-197, DTC P0352 IGNITION COIL B PRIMARY/SECONDARY CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0353 | Ignition Coil C Primary/Secondary Circuit | <Ref. to EN(H4DO)(diag)-197, DTC P0353 IGNITION COIL C PRIMARY/SECONDARY CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0354 | Ignition Coil D Primary/Secondary Circuit | <Ref. to EN(H4DO)(diag)-197, DTC P0354 IGNITION COIL D PRIMARY/SECONDARY CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0400 | Exhaust Gas Recirculation Flow | <Ref. to EN(H4DO)(diag)-198, DTC P0400 EXHAUST GAS RECIRCULATION FLOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0420 | Catalyst System Efficiency Below Threshold (Bank 1) | <Ref. to EN(H4DO)(diag)-199, DTC P0420 CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0441 | Evaporative Emission Cont. Sys. Incorrect Purge Flow | <Ref. to EN(H4DO)(diag)-204, DTC P0441 EVAPORATIVE EMISSION CONT. SYS. INCORRECT PURGE FLOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

| DTC | Item | Note |
|---|---|---|
| P0451 | Evaporative Emission System Pressure Sensor/Switch Range/Performance | <Ref. to EN(H4DO)(diag)-205, DTC P0451 EVAPORATIVE EMISSION SYSTEM PRESSURE SENSOR/SWITCH RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0452 | Evaporative Emission System Pressure Sensor/Switch Low | <Ref. to EN(H4DO)(diag)-206, DTC P0452 EVAPORATIVE EMISSION SYSTEM PRESSURE SENSOR/SWITCH LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0453 | Evaporative Emission System Pressure Sensor/Switch High | <Ref. to EN(H4DO)(diag)-208, DTC P0453 EVAPORATIVE EMISSION SYSTEM PRESSURE SENSOR/SWITCH HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0455 | Evaporative Emission System Leak Detected (Large Leak) | <Ref. to EN(H4DO)(diag)-210, DTC P0455 EVAPORATIVE EMISSION SYSTEM LEAK DETECTED (LARGE LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0456 | Evaporative Emission Control System Leak Detected (Very Small Leak) | <Ref. to EN(H4DO)(diag)-212, DTC P0456 EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0458 | Evaporative Emission System Purge Control Valve Circuit Low | <Ref. to EN(H4DO)(diag)-213, DTC P0458 EVAPORATIVE EMISSION SYSTEM PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0459 | Evaporative Emission System Purge Control Valve Circuit High | <Ref. to EN(H4DO)(diag)-216, DTC P0459 EVAPORATIVE EMISSION SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0461 | Fuel Level Sensor "A" Circuit Range/Performance | <Ref. to EN(H4DO)(diag)-218, DTC P0461 FUEL LEVEL SENSOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0462 | Fuel Level Sensor "A" Circuit Low | <Ref. to EN(H4DO)(diag)-218, DTC P0462 FUEL LEVEL SENSOR "A" CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0463 | Fuel Level Sensor "A" Circuit High | <Ref. to EN(H4DO)(diag)-219, DTC P0463 FUEL LEVEL SENSOR "A" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0500 | Vehicle Speed Sensor "A" | <Ref. to EN(H4DO)(diag)-219, DTC P0500 VEHICLE SPEED SENSOR "A", Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0506 | Idle Air Control System RPM Lower Than Expected | <Ref. to EN(H4DO)(diag)-220, DTC P0506 IDLE AIR CONTROL SYSTEM RPM LOWER THAN EXPECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0507 | Idle Air Control System RPM Higher Than Expected | <Ref. to EN(H4DO)(diag)-221, DTC P0507 IDLE AIR CONTROL SYSTEM RPM HIGHER THAN EXPECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P050A | Cold Start Idle Air Control System Performance | <Ref. to EN(H4DO)(diag)-222, DTC P050A COLD START IDLE AIR CONTROL SYSTEM PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P050B | Cold Start Ignition Timing Performance | <Ref. to EN(H4DO)(diag)-231, DTC P050B COLD START IGNITION TIMING PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0512 | Starter Request Circuit | <Ref. to EN(H4DO)(diag)-232, DTC P0512 STARTER REQUEST CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0560 | System Voltage | <Ref. to EN(H4DO)(diag)-235, DTC P0560 SYSTEM VOLTAGE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0604 | Internal Control Module Random Access Memory (RAM) Error | <Ref. to EN(H4DO)(diag)-238, DTC P0604 INTERNAL CONTROL MODULE RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0605 | Internal Control Module Read Only Memory (ROM) Error | <Ref. to EN(H4DO)(diag)-238, DTC P0605 INTERNAL CONTROL MODULE READ ONLY MEMORY (ROM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0606 | Control Module Processor | <Ref. to EN(H4DO)(diag)-239, DTC P0606 CONTROL MODULE PROCESSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P060A | Internal Control Module Monitoring Processor Performance | <Ref. to EN(H4DO)(diag)-240, DTC P060A INTERNAL CONTROL MODULE MONITORING PROCESSOR PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

| DTC | Item | Note |
|---|---|---|
| P060B | Internal Control Module A/D Processing Performance | <Ref. to EN(H4DO)(diag)-240, DTC P060B INTERNAL CONTROL MODULE A/D PROCESSING PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0616 | Starter Relay Circuit Low | <Ref. to EN(H4DO)(diag)-241, DTC P0616 STARTER RELAY CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0617 | Starter Relay Circuit High | <Ref. to EN(H4DO)(diag)-245, DTC P0617 STARTER RELAY CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P062F | Internal Control Module EEPROM Error | <Ref. to EN(H4DO)(diag)-249, DTC P062F INTERNAL CONTROL MODULE EEPROM ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0700 | Transmission Control System (MIL Request) | <Ref. to EN(H4DO)(diag)-249, DTC P0700 TRANSMISSION CONTROL SYSTEM (MIL REQUEST), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P081A | Starter Disable Circuit Low | <Ref. to EN(H4DO)(diag)-250, DTC P081A STARTER DISABLE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0851 | Park/Neutral Switch Input Circuit Low (AT Model) | <Ref. to EN(H4DO)(diag)-253, DTC P0851 PARK/NEUTRAL SWITCH INPUT CIRCUIT LOW (AT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0851 | Neutral Switch Input Circuit Low (MT Model) | <Ref. to EN(H4DO)(diag)-255, DTC P0851 NEUTRAL SWITCH INPUT CIRCUIT LOW (MT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0852 | Park/Neutral Switch Input Circuit High (AT Model) | <Ref. to EN(H4DO)(diag)-257, DTC P0852 PARK/NEUTRAL SWITCH INPUT CIRCUIT HIGH (AT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0852 | Neutral Switch Input Circuit High (MT Model) | <Ref. to EN(H4DO)(diag)-259, DTC P0852 NEUTRAL SWITCH INPUT CIRCUIT HIGH (MT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1160 | Return Spring Failure | <Ref. to EN(H4DO)(diag)-260, DTC P1160 RETURN SPRING FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1449 | Evaporative Emission Cont. Sys. Air Filter Clog | <Ref. to EN(H4DO)(diag)-261, DTC P1449 EVAPORATIVE EMISSION CONT. SYS. AIR FILTER CLOG, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1451 | Evaporative Emission Cont. Sys. | <Ref. to EN(H4DO)(diag)-262, DTC P1451 EVAPORATIVE EMISSION CONT. SYS., Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1492 | EGR Solenoid Valve Signal #1 Circuit Malfunction (Low Input) | <Ref. to EN(H4DO)(diag)-263, DTC P1492 EGR SOLENOID VALVE SIGNAL #1 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1493 | EGR Solenoid Valve Signal #1 Circuit Malfunction (High Input) | <Ref. to EN(H4DO)(diag)-263, DTC P1493 EGR SOLENOID VALVE SIGNAL #1 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1494 | EGR Solenoid Valve Signal #2 Circuit Malfunction (Low Input) | <Ref. to EN(H4DO)(diag)-263, DTC P1494 EGR SOLENOID VALVE SIGNAL #2 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1495 | EGR Solenoid Valve Signal #2 Circuit Malfunction (High Input) | <Ref. to EN(H4DO)(diag)-263, DTC P1495 EGR SOLENOID VALVE SIGNAL #2 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1496 | EGR Solenoid Valve Signal #3 Circuit Malfunction (Low Input) | <Ref. to EN(H4DO)(diag)-263, DTC P1496 EGR SOLENOID VALVE SIGNAL #3 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1497 | EGR Solenoid Valve Signal #3 Circuit Malfunction (High Input) | <Ref. to EN(H4DO)(diag)-263, DTC P1497 EGR SOLENOID VALVE SIGNAL #3 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1498 | EGR Solenoid Valve Signal #4 Circuit Malfunction (Low Input) | <Ref. to EN(H4DO)(diag)-264, DTC P1498 EGR SOLENOID VALVE SIGNAL #4 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1499 | EGR Solenoid Valve Signal #4 Circuit Malfunction (High Input) | <Ref. to EN(H4DO)(diag)-267, DTC P1499 EGR SOLENOID VALVE SIGNAL #4 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

| DTC | Item | Note |
|---|---|---|
| P2004 | Intake Manifold Runner Control Stuck Open (Bank 1) | <Ref. to EN(H4DO)(diag)-270, DTC P2004 INTAKE MANIFOLD RUNNER CONTROL STUCK OPEN (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2005 | Intake Manifold Runner Control Stuck Open (Bank 2) | <Ref. to EN(H4DO)(diag)-271, DTC P2005 INTAKE MANIFOLD RUNNER CONTROL STUCK OPEN (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2006 | Intake Manifold Runner Control Stuck Closed (Bank 1) | <Ref. to EN(H4DO)(diag)-272, DTC P2006 INTAKE MANIFOLD RUNNER CONTROL STUCK CLOSED (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2007 | Intake Manifold Runner Control Stuck Closed (Bank 2) | <Ref. to EN(H4DO)(diag)-273, DTC P2007 INTAKE MANIFOLD RUNNER CONTROL STUCK CLOSED (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2009 | Intake Manifold Runner Control Circuit Low (Bank 1) | <Ref. to EN(H4DO)(diag)-274, DTC P2009 INTAKE MANIFOLD RUNNER CONTROL CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2012 | Intake Manifold Runner Control Circuit Low (Bank 2) | <Ref. to EN(H4DO)(diag)-276, DTC P2012 INTAKE MANIFOLD RUNNER CONTROL CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2096 | Post Catalyst Fuel Trim System Too Lean (Bank 1) | <Ref. to EN(H4DO)(diag)-278, DTC P2096 POST CATALYST FUEL TRIM SYSTEM TOO LEAN (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2097 | Post Catalyst Fuel Trim System Too Rich (Bank 1) | <Ref. to EN(H4DO)(diag)-285, DTC P2097 POST CATALYST FUEL TRIM SYSTEM TOO RICH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2101 | Throttle Actuator Control Motor Circuit Range/Performance | <Ref. to EN(H4DO)(diag)-292, DTC P2101 THROTTLE ACTUATOR CONTROL MOTOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2102 | Throttle Actuator Control Motor Circuit Low | <Ref. to EN(H4DO)(diag)-298, DTC P2102 THROTTLE ACTUATOR CONTROL MOTOR CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2103 | Throttle Actuator Control Motor Circuit High | <Ref. to EN(H4DO)(diag)-300, DTC P2103 THROTTLE ACTUATOR CONTROL MOTOR CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2109 | Throttle/Pedal Position Sensor "A" Minimum Stop Performance | <Ref. to EN(H4DO)(diag)-301, DTC P2109 THROTTLE/PEDAL POSITION SENSOR "A" MINIMUM STOP PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2119 | Throttle Actuator Control Throttle Body Range/Performance | <Ref. to EN(H4DO)(diag)-301, DTC P2119 THROTTLE ACTUATOR CONTROL THROTTLE BODY RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2122 | Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input | <Ref. to EN(H4DO)(diag)-302, DTC P2122 THROTTLE/PEDAL POSITION SENSOR/SWITCH "D" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2123 | Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input | <Ref. to EN(H4DO)(diag)-304, DTC P2123 THROTTLE/PEDAL POSITION SENSOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2127 | Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input | <Ref. to EN(H4DO)(diag)-306, DTC P2127 THROTTLE/PEDAL POSITION SENSOR/SWITCH "E" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2128 | Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input | <Ref. to EN(H4DO)(diag)-308, DTC P2128 THROTTLE/PEDAL POSITION SENSOR/SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2135 | Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation | <Ref. to EN(H4DO)(diag)-310, DTC P2135 THROTTLE/PEDAL POSITION SENSOR/SWITCH "A"/"B" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2138 | Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation | <Ref. to EN(H4DO)(diag)-313, DTC P2138 THROTTLE/PEDAL POSITION SENSOR/SWITCH "D"/"E" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

| DTC | Item | Note |
|---|---|---|
| P2195 | O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-315, DTC P2195 O2 SENSOR SIGNAL BIASED/STUCK LEAN (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2196 | O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 1) | <Ref. to EN(H4DO)(diag)-317, DTC P2196 O2 SENSOR SIGNAL BIASED/STUCK RICH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P219A | Bank 1 Air-Fuel Ratio Imbalance | <Ref. to EN(H4DO)(diag)-319, DTC P219A BANK 1 AIR-FUEL RATIO IMBALANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2401 | Evaporative Emission System Leak Detection Pump Control Circuit Low | <Ref. to EN(H4DO)(diag)-331, DTC P2401 EVAPORATIVE EMISSION SYSTEM LEAK DETECTION PUMP CONTROL CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2402 | Evaporative Emission System Leak Detection Pump Control Circuit High | <Ref. to EN(H4DO)(diag)-334, DTC P2402 EVAPORATIVE EMISSION SYSTEM LEAK DETECTION PUMP CONTROL CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2404 | Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance | <Ref. to EN(H4DO)(diag)-336, DTC P2404 EVAPORATIVE EMISSION SYSTEM LEAK DETECTION PUMP SENSE CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2419 | Evaporative Emission System Switching Valve Control Circuit Low | <Ref. to EN(H4DO)(diag)-339, DTC P2419 EVAPORATIVE EMISSION SYSTEM SWITCHING VALVE CONTROL CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2420 | Evaporative Emission System Switching Valve Control Circuit High | <Ref. to EN(H4DO)(diag)-342, DTC P2420 EVAPORATIVE EMISSION SYSTEM SWITCHING VALVE CONTROL CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2610 | ECM/PCM Internal Engine Off Timer Performance | <Ref. to EN(H4DO)(diag)-344, DTC P2610 ECM/PCM INTERNAL ENGINE OFF TIMER PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0073 | Control Module Communication Bus "A" Off | <Ref. to EN(H4DO)(diag)-345, DTC U0073 CONTROL MODULE COMMUNICATION BUS "A" OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0101 | Lost Communication With TCM | <Ref. to EN(H4DO)(diag)-345, DTC U0101 LOST COMMUNICATION WITH TCM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0122 | Lost Communication With Vehicle Dynamics Control Module | <Ref. to EN(H4DO)(diag)-345, DTC U0122 LOST COMMUNICATION WITH VEHICLE DYNAMICS CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0140 | Lost Communication With Body Control Module | <Ref. to EN(H4DO)(diag)-345, DTC U0140 LOST COMMUNICATION WITH BODY CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0402 | Invalid Data Received From TCM | <Ref. to EN(H4DO)(diag)-345, DTC U0402 INVALID DATA RECEIVED FROM TCM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0416 | Invalid Data Received From Vehicle Dynamics Control Module | <Ref. to EN(H4DO)(diag)-345, DTC U0416 INVALID DATA RECEIVED FROM VEHICLE DYNAMICS CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0422 | Invalid Data Received From Body Control Module | <Ref. to EN(H4DO)(diag)-345, DTC U0422 INVALID DATA RECEIVED FROM BODY CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |