

List of Diagnostic Trouble Code (DTC)

GENERAL DESCRIPTION

1. List of Diagnostic Trouble Code (DTC)

A: LIST

| DTC | Item | Index |
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| P0011 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 1) | <Ref. to GD(H4DOTC)-10, DTC P0011 INTAKE CAMSHAFT POSITION - TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0016 | Crankshaft Position - Camshaft Position Correlation (Bank1) | <Ref. to GD(H4DOTC)-12, DTC P0016 CRANKSHAFT POSITION — CAMSHAFT POSITION CORRELATION (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0018 | Crankshaft Position - Camshaft Position Correlation (Bank2) | <Ref. to GD(H4DOTC)-12, DTC P0018 CRANKSHAFT POSITION — CAMSHAFT POSITION CORRELATION (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0021 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 2) | <Ref. to GD(H4DOTC)-12, DTC P0021 INTAKE CAMSHAFT POSITION - TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0030 | HO2S Heater Control Circuit (Bank 1 Sensor 1) | <Ref. to GD(H4DOTC)-13, DTC P0030 HO2S HEATER CONTROL CIRCUIT (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0031 | HO2S Heater Control Circuit Low (Bank 1 Sensor 1) | <Ref. to GD(H4DOTC)-15, DTC P0031 HO2S HEATER CONTROL CIRCUIT LOW (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0032 | HO2S Heater Control Circuit High (Bank 1 Sensor 1) | <Ref. to GD(H4DOTC)-17, DTC P0032 HO2S HEATER CONTROL CIRCUIT HIGH (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0037 | HO2S Heater Control Circuit Low (Bank 1 Sensor 2) | <Ref. to GD(H4DOTC)-19, DTC P0037 HO2S HEATER CONTROL CIRCUIT LOW (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0038 | HO2S Heater Control Circuit High (Bank 1 Sensor 2) | <Ref. to GD(H4DOTC)-21, DTC P0038 HO2S HEATER CONTROL CIRCUIT HIGH (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0068 | MAP/MAF - Throttle Position Correlation | <Ref. to GD(H4DOTC)-23, DTC P0068 MAP/MAF - THROTTLE POSITION CORRELATION, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0101 | Mass or Volume Air Flow Circuit Range/Performance | <Ref. to GD(H4DOTC)-25, DTC P0101 MASS OR VOLUME AIR FLOW CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0102 | Mass or Volume Air Flow Circuit Low Input | <Ref. to GD(H4DOTC)-28, DTC P0102 MASS OR VOLUME AIR FLOW CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0103 | Mass or Volume Air Flow Circuit High Input | <Ref. to GD(H4DOTC)-30, DTC P0103 MASS OR VOLUME AIR FLOW CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0107 | Manifold Absolute Pressure/Barometric Pressure Circuit Low Input | <Ref. to GD(H4DOTC)-32, DTC P0107 MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0108 | Manifold Absolute Pressure/Barometric Pressure Circuit High Input | <Ref. to GD(H4DOTC)-34, DTC P0108 MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0111 | Intake Air Temperature Sensor 1 Circuit Range/Performance | <Ref. to GD(H4DOTC)-36, DTC P0111 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0112 | Intake Air Temperature Sensor 1 Circuit Low | <Ref. to GD(H4DOTC)-38, DTC P0112 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0113 | Intake Air Temperature Sensor 1 Circuit High | <Ref. to GD(H4DOTC)-40, DTC P0113 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0117 | Engine Coolant Temperature Circuit Low | <Ref. to GD(H4DOTC)-42, DTC P0117 ENGINE COOLANT TEMPERATURE CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0118 | Engine Coolant Temperature Circuit High | <Ref. to GD(H4DOTC)-44, DTC P0118 ENGINE COOLANT TEMPERATURE CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |

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| P0122 | Throttle/Pedal Position Sensor/ Switch "A" Circuit Low | <Ref. to GD(H4DOTC)-46, DTC P0122 THROTTLE/PEDAL POSITION SENSOR/SWITCH "A" CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0123 | Throttle/Pedal Position Sensor/ Switch "A" Circuit High | <Ref. to GD(H4DOTC)-48, DTC P0123 THROTTLE/PEDAL POSITION SENSOR/SWITCH "A" CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0125 | Insufficient Coolant Temperature for Closed Loop Fuel Control | <Ref. to GD(H4DOTC)-50, DTC P0125 INSUFFICIENT COOLANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0126 | Insufficient Engine Coolant Temperature For Stable Operation | <Ref. to GD(H4DOTC)-52, DTC P0126 INSUFFICIENT ENGINE COOLANT TEMPERATURE FOR STABLE OPERATION, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0128 | Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature) | <Ref. to GD(H4DOTC)-54, DTC P0128 COOLANT THERMOSTAT (ENGINE COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0131 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1) | <Ref. to GD(H4DOTC)-56, DTC P0131 O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0132 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 1) | <Ref. to GD(H4DOTC)-58, DTC P0132 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0133 | O2 Sensor Circuit Slow Response (Bank 1 Sensor 1) | <Ref. to GD(H4DOTC)-60, DTC P0133 O2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0134 | O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1) | <Ref. to GD(H4DOTC)-63, DTC P0134 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0137 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2) | <Ref. to GD(H4DOTC)-65, DTC P0137 O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0138 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 2) | <Ref. to GD(H4DOTC)-67, DTC P0138 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0139 | O2 Sensor Circuit Slow Response (Bank 1 Sensor 2) | <Ref. to GD(H4DOTC)-68, DTC P0139 O2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0140 | O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2) | <Ref. to GD(H4DOTC)-74, DTC P0140 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0171 | System Too Lean (Bank 1) | <Ref. to GD(H4DOTC)-76, DTC P0171 SYSTEM TOO LEAN (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0172 | System Too Rich (Bank 1) | <Ref. to GD(H4DOTC)-78, DTC P0172 SYSTEM TOO RICH (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0181 | Fuel Temperature Sensor "A" Circuit Range/Performance | <Ref. to GD(H4DOTC)-80, DTC P0181 FUEL TEMPERATURE SENSOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0182 | Fuel Temperature Sensor "A" Circuit Low Input | <Ref. to GD(H4DOTC)-83, DTC P0182 FUEL TEMPERATURE SENSOR "A" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0183 | Fuel Temperature Sensor "A" Circuit High Input | <Ref. to GD(H4DOTC)-85, DTC P0183 FUEL TEMPERATURE SENSOR "A" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0222 | Throttle/Pedal Position Sensor/ Switch "B" Circuit Low | <Ref. to GD(H4DOTC)-87, DTC P0222 THROTTLE/PEDAL POSITION SENSOR/SWITCH "B" CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0223 | Throttle/Pedal Position Sensor/ Switch "B" Circuit High | <Ref. to GD(H4DOTC)-89, DTC P0223 THROTTLE/PEDAL POSITION SENSOR/SWITCH "B" CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |

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| P0230 | Fuel Pump Primary Circuit | <Ref. to GD(H4DOTC)-91, DTC P0230 FUEL PUMP PRIMARY CIRCUIT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0244 | Turbo/Super Charger Wastegate Solenoid "A" Range/Performance | <Ref. to GD(H4DOTC)-93, DTC P0244 TURBO/SUPER CHARGER WASTEGATE SOLENOID "A" RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0245 | Turbo/Super Charger Wastegate Solenoid "A" Low | <Ref. to GD(H4DOTC)-95, DTC P0245 TURBO/SUPER CHARGER WASTEGATE SOLENOID "A" LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0246 | Turbo/Super Charger Wastegate Solenoid "A" High | <Ref. to GD(H4DOTC)-97, DTC P0246 TURBO/SUPER CHARGER WASTEGATE SOLENOID "A" HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0301 | Cylinder 1 Misfire Detected | <Ref. to GD(H4DOTC)-99, DTC P0301 CYLINDER 1 MISFIRE DETECTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0302 | Cylinder 2 Misfire Detected | <Ref. to GD(H4DOTC)-105, DTC P0302 CYLINDER 2 MISFIRE DETECTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0303 | Cylinder 3 Misfire Detected | <Ref. to GD(H4DOTC)-105, DTC P0303 CYLINDER 3 MISFIRE DETECTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0304 | Cylinder 4 Misfire Detected | <Ref. to GD(H4DOTC)-105, DTC P0304 CYLINDER 4 MISFIRE DETECTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0327 | Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor) | <Ref. to GD(H4DOTC)-106, DTC P0327 KNOCK SENSOR 1 CIRCUIT LOW (BANK 1 OR SINGLE SENSOR), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0328 | Knock Sensor 1 Circuit High (Bank 1 or Single Sensor) | <Ref. to GD(H4DOTC)-108, DTC P0328 KNOCK SENSOR 1 CIRCUIT HIGH (BANK 1 OR SINGLE SENSOR), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0335 | Crankshaft Position Sensor "A" Circuit | <Ref. to GD(H4DOTC)-110, DTC P0335 CRANKSHAFT POSITION SENSOR "A" CIRCUIT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0336 | Crankshaft Position Sensor "A" Circuit Range/Performance | <Ref. to GD(H4DOTC)-112, DTC P0336 CRANKSHAFT POSITION SENSOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0340 | Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor) | <Ref. to GD(H4DOTC)-114, DTC P0340 CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0345 | Camshaft Position Sensor "A" Circuit (Bank 2) | <Ref. to GD(H4DOTC)-116, DTC P0345 CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0410 | Secondary Air Injection System | <Ref. to GD(H4DOTC)-117, DTC P0410 SECONDARY AIR INJECTION SYSTEM, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0411 | Secondary Air Injection System Incorrect Flow Detected | <Ref. to GD(H4DOTC)-124, DTC P0411 SECONDARY AIR INJECTION SYSTEM INCORRECT FLOW DETECTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0413 | Secondary Air Injection System Switching Valve "A" Circuit Open | <Ref. to GD(H4DOTC)-125, DTC P0413 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE "A" CIRCUIT OPEN, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0414 | Secondary Air Injection System Switching Valve "A" Circuit Shorted | <Ref. to GD(H4DOTC)-126, DTC P0414 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE "A" CIRCUIT SHORTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0416 | Secondary Air Injection System Switching Valve "B" Circuit Open | <Ref. to GD(H4DOTC)-127, DTC P0416 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE "B" CIRCUIT OPEN, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0417 | Secondary Air Injection System Switching Valve "B" Circuit Shorted | <Ref. to GD(H4DOTC)-127, DTC P0417 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE "B" CIRCUIT SHORTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0418 | Secondary Air Injection System Control "A" Circuit Open | <Ref. to GD(H4DOTC)-128, DTC P0418 SECONDARY AIR INJECTION SYSTEM CONTROL "A" CIRCUIT OPEN, Diagnostic Trouble Code (DTC) Detecting Criteria.> |

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| P0420 | Catalyst System Efficiency Below Threshold (Bank 1) | <Ref. to GD(H4DOTC)-129, DTC P0420 CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0441 | Evaporative Emission System Incorrect Purge Flow | <Ref. to GD(H4DOTC)-131, DTC P0441 EVAPORATIVE EMISSION SYSTEM INCORRECT PURGE FLOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0442 | Evaporative Emission Control System Leak Detected (Small Leak) | <Ref. to GD(H4DOTC)-132, DTC P0442 EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (SMALL LEAK), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0447 | Evaporative Emission Control System Vent Control Circuit Open | <Ref. to GD(H4DOTC)-147, DTC P0447 EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL CIRCUIT OPEN, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0448 | Evaporative Emission Control System Vent Control Circuit Shorted | <Ref. to GD(H4DOTC)-149, DTC P0448 EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL CIRCUIT SHORTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0451 | Evaporative Emission Control System Pressure Sensor | <Ref. to GD(H4DOTC)-151, DTC P0451 EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0452 | Evaporative Emission Control System Pressure Sensor Low Input | <Ref. to GD(H4DOTC)-153, DTC P0452 EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0453 | Evaporative Emission Control System Pressure Sensor High Input | <Ref. to GD(H4DOTC)-155, DTC P0453 EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0456 | Evaporative Emission Control System Leak Detected (Very Small Leak) | <Ref. to GD(H4DOTC)-156, DTC P0456 EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0457 | Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off) | <Ref. to GD(H4DOTC)-156, DTC P0457 EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0458 | Evaporative Emission System Purge Control Valve Circuit Low | <Ref. to GD(H4DOTC)-157, DTC P0458 EVAPORATIVE EMISSION SYSTEM PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0459 | Evaporative Emission System Purge Control Valve Circuit High | <Ref. to GD(H4DOTC)-159, DTC P0459 EVAPORATIVE EMISSION SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0461 | Fuel Level Sensor "A" Circuit Range/Performance | <Ref. to GD(H4DOTC)-161, DTC P0461 FUEL LEVEL SENSOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0462 | Fuel Level Sensor "A" Circuit Low | <Ref. to GD(H4DOTC)-163, DTC P0462 FUEL LEVEL SENSOR "A" CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0463 | Fuel Level Sensor "A" Circuit High | <Ref. to GD(H4DOTC)-165, DTC P0463 FUEL LEVEL SENSOR "A" CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0464 | Fuel Level Sensor Circuit Intermittent | <Ref. to GD(H4DOTC)-167, DTC P0464 FUEL LEVEL SENSOR CIRCUIT INTERMITTENT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0483 | Fan Rationality Check | <Ref. to GD(H4DOTC)-170, DTC P0483 FAN RATIONALITY CHECK, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0500 | Vehicle Speed Sensor "A" | <Ref. to GD(H4DOTC)-171, DTC P0500 VEHICLE SPEED SENSOR "A", Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0506 | Idle Air Control System RPM Lower Than Expected | <Ref. to GD(H4DOTC)-173, DTC P0506 IDLE AIR CONTROL SYSTEM RPM LOWER THAN EXPECTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0507 | Idle Air Control System RPM Higher Than Expected | <Ref. to GD(H4DOTC)-175, DTC P0507 IDLE AIR CONTROL SYSTEM RPM HIGHER THAN EXPECTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |

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| P0512 | Starter Request Circuit | <Ref. to GD(H4DOTC)-177, DTC P0512 STARTER REQUEST CIRCUIT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0513 | Incorrect Immobilizer Key | <Ref. to GD(H4DOTC)-178, DTC P0513 INCORRECT IMMOBILIZER KEY, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0519 | Idle Air Control System Performance | <Ref. to GD(H4DOTC)-179, DTC P0519 IDLE AIR CONTROL SYSTEM PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0600 | Serial Communication Link | <Ref. to GD(H4DOTC)-180, DTC P0600 SERIAL COMMUNICATION LINK, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0604 | Internal Control Module Random Access Memory (RAM) Error | <Ref. to GD(H4DOTC)-181, DTC P0604 INTERNAL CONTROL MODULE RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0605 | Internal Control Module Read Only Memory (ROM) Error | <Ref. to GD(H4DOTC)-183, DTC P0605 INTERNAL CONTROL MODULE READ ONLY MEMORY (ROM) ERROR, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0607 | Control Module Performance | <Ref. to GD(H4DOTC)-184, DTC P0607 CONTROL MODULE PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0638 | Throttle Actuator Control Range/Performance (Bank 1) | <Ref. to GD(H4DOTC)-186, DTC P0638 THROTTLE ACTUATOR CONTROL RANGE/PERFORMANCE (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0691 | Fan 1 Control Circuit Low | <Ref. to GD(H4DOTC)-189, DTC P0691 FAN 1 CONTROL CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0692 | Fan 1 Control Circuit High | <Ref. to GD(H4DOTC)-190, DTC P0692 FAN 1 CONTROL CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0700 | Transmission Control System (MIL Request) | <Ref. to GD(H4DOTC)-191, DTC P0700 TRANSMISSION CONTROL SYSTEM (MIL REQUEST), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0851 | Park/Neutral Switch Input Circuit Low (AT Model) | <Ref. to GD(H4DOTC)-192, DTC P0851 PARK/NEUTRAL SWITCH INPUT CIRCUIT LOW (AT MODEL), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0851 | Neutral Switch Input Circuit Low (MT Model) | <Ref. to GD(H4DOTC)-193, DTC P0851 NEUTRAL SWITCH INPUT CIRCUIT LOW (MT MODEL), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0852 | Park/Neutral Switch Input Circuit High (AT Model) | <Ref. to GD(H4DOTC)-194, DTC P0852 PARK/NEUTRAL SWITCH INPUT CIRCUIT HIGH (AT MODEL), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P0852 | Neutral Switch Input Circuit High (MT Model) | <Ref. to GD(H4DOTC)-195, DTC P0852 NEUTRAL SWITCH INPUT CIRCUIT HIGH (MT MODEL), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1152 | O2 Sensor Circuit Range/Performance (Low) (Bank1 Sensor1) | <Ref. to GD(H4DOTC)-196, DTC P1152 O2 SENSOR CIRCUIT RANGE/PERFORMANCE (LOW) (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1153 | O2 Sensor Circuit Range/Performance (High) (Bank1 Sensor1) | <Ref. to GD(H4DOTC)-198, DTC P1153 O2 SENSOR CIRCUIT RANGE/PERFORMANCE (HIGH) (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1160 | Return Spring Failure | <Ref. to GD(H4DOTC)-200, DTC P1160 RETURN SPRING FAILURE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1400 | Fuel Tank Pressure Control Solenoid Valve Circuit Low | <Ref. to GD(H4DOTC)-202, DTC P1400 FUEL TANK PRESSURE CONTROL SOLENOID VALVE CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1410 | Secondary Air Injection System Switching Valve Stuck Open | <Ref. to GD(H4DOTC)-204, DTC P1410 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE STUCK OPEN, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1418 | Secondary Air Injection System Control "A" Circuit Shorted | <Ref. to GD(H4DOTC)-206, DTC P1418 SECONDARY AIR INJECTION SYSTEM CONTROL "A" CIRCUIT SHORTED, Diagnostic Trouble Code (DTC) Detecting Criteria.> |

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| P1420 | Fuel Tank Pressure Control Sol. Valve Circuit High | <Ref. to GD(H4DOTC)-207, DTC P1420 FUEL TANK PRESSURE CONTROL SOL. VALVE CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1443 | Vent Control Solenoid Valve Function Problem | <Ref. to GD(H4DOTC)-209, DTC P1443 VENT CONTROL SOLENOID VALVE FUNCTION PROBLEM, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1491 | Positive Crankcase Ventilation (Blow-by) Function Problem | <Ref. to GD(H4DOTC)-211, DTC P1491 POSITIVE CRANKCASE VENTILATION (BLOW-BY) FUNCTION PROBLEM, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1518 | Starter Switch Circuit Low Input | <Ref. to GD(H4DOTC)-213, DTC P1518 STARTER SWITCH CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1560 | Back-up Voltage Circuit Malfunction | <Ref. to GD(H4DOTC)-214, DTC P1560 BACK-UP VOLTAGE CIRCUIT MALFUNCTION, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1570 | Antenna | <Ref. to GD(H4DOTC)-215, DTC P1570 ANTENNA, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1571 | Reference Code Incompatibility | <Ref. to GD(H4DOTC)-215, DTC P1571 REFERENCE CODE INCOMPATIBILITY, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1572 | IMM Circuit Failure (Except Antenna Circuit) | <Ref. to GD(H4DOTC)-215, DTC P1572 IMM CIRCUIT FAILURE (EXCEPT ANTENNA CIRCUIT), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1574 | Key Communication Failure | <Ref. to GD(H4DOTC)-215, DTC P1574 KEY COMMUNICATION FAILURE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1576 | EGI Control Module EEPROM | <Ref. to GD(H4DOTC)-215, DTC P1576 EGI CONTROL MODULE EEPROM, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1577 | IMM Control Module EEPROM | <Ref. to GD(H4DOTC)-215, DTC P1577 IMM CONTROL MODULE EEPROM, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1578 | Meter Failure | <Ref. to GD(H4DOTC)-215, DTC P1578 METER FAILURE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P1602 | Control Module Programming Error | <Ref. to GD(H4DOTC)-216, DTC P1602 CONTROL MODULE PROGRAMMING ERROR, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2004 | Intake Manifold Runner Control Stuck Open (Bank 1) | <Ref. to GD(H4DOTC)-218, DTC P2004 INTAKE MANIFOLD RUNNER CONTROL STUCK OPEN (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2005 | Intake Manifold Runner Control Stuck Open (Bank 2) | <Ref. to GD(H4DOTC)-219, DTC P2005 INTAKE MANIFOLD RUNNER CONTROL STUCK OPEN (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2006 | Intake Manifold Runner Control Stuck Closed (Bank 1) | <Ref. to GD(H4DOTC)-220, DTC P2006 INTAKE MANIFOLD RUNNER CONTROL STUCK CLOSED (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2007 | Intake Manifold Runner Control Stuck Closed (Bank 2) | <Ref. to GD(H4DOTC)-221, DTC P2007 INTAKE MANIFOLD RUNNER CONTROL STUCK CLOSED (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2008 | Intake Manifold Runner Control Circuit / Open (Bank 1) | <Ref. to GD(H4DOTC)-222, DTC P2008 INTAKE MANIFOLD RUNNER CONTROL CIRCUIT / OPEN (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2009 | Intake Manifold Runner Control Circuit Low (Bank 1) | <Ref. to GD(H4DOTC)-224, DTC P2009 INTAKE MANIFOLD RUNNER CONTROL CIRCUIT LOW (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2011 | Intake Manifold Runner Control Circuit / Open (Bank 2) | <Ref. to GD(H4DOTC)-226, DTC P2011 INTAKE MANIFOLD RUNNER CONTROL CIRCUIT / OPEN (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2012 | Intake Manifold Runner Control Circuit Low (Bank 2) | <Ref. to GD(H4DOTC)-228, DTC P2012 INTAKE MANIFOLD RUNNER CONTROL CIRCUIT LOW (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2016 | Intake Manifold Runner Position Sensor / Switch Circuit Low (Bank 1) | <Ref. to GD(H4DOTC)-230, DTC P2016 INTAKE MANIFOLD RUNNER POSITION SENSOR / SWITCH CIRCUIT LOW (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |

List of Diagnostic Trouble Code (DTC)

GENERAL DESCRIPTION

| DTC | Item | Index |
|-------|---|--|
| P2017 | Intake Manifold Runner Position Sensor / Switch Circuit High (Bank 1) | <Ref. to GD(H4DOTC)-232, DTC P2017 INTAKE MANIFOLD RUNNER POSITION SENSOR / SWITCH CIRCUIT HIGH (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2021 | Intake Manifold Runner Position Sensor / Switch Circuit Low (Bank 2) | <Ref. to GD(H4DOTC)-234, DTC P2021 INTAKE MANIFOLD RUNNER POSITION SENSOR / SWITCH CIRCUIT LOW (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2022 | Intake Manifold Runner Position Sensor / Switch Circuit High (Bank 2) | <Ref. to GD(H4DOTC)-236, DTC P2022 INTAKE MANIFOLD RUNNER POSITION SENSOR / SWITCH CIRCUIT HIGH (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2088 | Intake Camshaft Position Actuator Control Circuit Low (Bank 1) | <Ref. to GD(H4DOTC)-238, DTC P2088 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT LOW (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2089 | Intake Camshaft Position Actuator Control Circuit High (Bank 1) | <Ref. to GD(H4DOTC)-240, DTC P2089 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT HIGH (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2092 | Intake Camshaft Position Actuator Control Circuit Low (Bank 2) | <Ref. to GD(H4DOTC)-241, DTC P2092 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT LOW (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2093 | Intake Camshaft Position Actuator Control Circuit High (Bank 2) | <Ref. to GD(H4DOTC)-241, DTC P2093 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT HIGH (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2096 | Post Catalyst Fuel Trim System Too Lean Bank 1 | <Ref. to GD(H4DOTC)-242, DTC P2096 POST CATALYST FUEL TRIM SYSTEM TOO LEAN BANK 1, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2097 | Post Catalyst Fuel Trim System Too Rich Bank 1 | <Ref. to GD(H4DOTC)-244, DTC P2097 POST CATALYST FUEL TRIM SYSTEM TOO RICH BANK 1, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2101 | Throttle Actuator Control Motor Circuit Range/Performance | <Ref. to GD(H4DOTC)-246, DTC P2101 THROTTLE ACTUATOR CONTROL MOTOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2102 | Throttle Actuator Control Motor Circuit Low | <Ref. to GD(H4DOTC)-248, DTC P2102 THROTTLE ACTUATOR CONTROL MOTOR CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2103 | Throttle Actuator Control Motor Circuit High | <Ref. to GD(H4DOTC)-250, DTC P2103 THROTTLE ACTUATOR CONTROL MOTOR CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2109 | Throttle/Pedal Position Sensor "A" Minimum Stop Performance | <Ref. to GD(H4DOTC)-252, DTC P2109 THROTTLE/PEDAL POSITION SENSOR "A" MINIMUM STOP PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2122 | Throttle/Pedal Position Sensor/Switch "D" Circuit Low Input | <Ref. to GD(H4DOTC)-254, DTC P2122 THROTTLE/PEDAL POSITION SENSOR/SWITCH "D" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2123 | Throttle/Pedal Position Sensor/Switch "D" Circuit High Input | <Ref. to GD(H4DOTC)-256, DTC P2123 THROTTLE/PEDAL POSITION SENSOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2127 | Throttle/Pedal Position Sensor/Switch "E" Circuit Low Input | <Ref. to GD(H4DOTC)-258, DTC P2127 THROTTLE/PEDAL POSITION SENSOR/SWITCH "E" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2128 | Throttle/Pedal Position Sensor/Switch "E" Circuit High Input | <Ref. to GD(H4DOTC)-260, DTC P2128 THROTTLE/PEDAL POSITION SENSOR/SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2135 | Throttle/Pedal Position Sensor/Switch "A"/"B" Voltage Correlation | <Ref. to GD(H4DOTC)-262, DTC P2135 THROTTLE/PEDAL POSITION SENSOR/SWITCH "A"/"B" VOLTAGE CORRELATION, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2138 | Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation | <Ref. to GD(H4DOTC)-264, DTC P2138 THROTTLE/PEDAL POSITION SENSOR/SWITCH "D"/"E" VOLTAGE CORRELATION, Diagnostic Trouble Code (DTC) Detecting Criteria.> |

List of Diagnostic Trouble Code (DTC)

GENERAL DESCRIPTION

| DTC | Item | Index |
|-------|---|---|
| P2419 | Evaporative Emission System Switching Valve Control Circuit Low | <Ref. to GD(H4DOTC)-266, DTC P2419 EVAPORATIVE EMISSION SYSTEM SWITCHING VALVE CONTROL CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2420 | Evaporative Emission System Switching Valve Control Circuit High | <Ref. to GD(H4DOTC)-267, DTC P2420 EVAPORATIVE EMISSION SYSTEM SWITCHING VALVE CONTROL CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2431 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance | <Ref. to GD(H4DOTC)-268, DTC P2431 SECONDARY AIR INJECTION SYSTEM AIR FLOW /PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2432 | Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low | <Ref. to GD(H4DOTC)-269, DTC P2432 SECONDARY AIR INJECTION SYSTEM AIR FLOW /PRESSURE SENSOR CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2433 | Secondary Air Injection System Air Flow /Pressure Sensor Circuit High | <Ref. to GD(H4DOTC)-270, DTC P2433 SECONDARY AIR INJECTION SYSTEM AIR FLOW /PRESSURE SENSOR CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2440 | Secondary Air Injection System Switching Valve Stuck Open (Bank1) | <Ref. to GD(H4DOTC)-271, DTC P2440 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE STUCK OPEN (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2441 | Secondary Air Injection System Switching Valve Stuck Closed (Bank1) | <Ref. to GD(H4DOTC)-271, DTC P2441 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE STUCK CLOSED (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2442 | Secondary Air Injection System Switching Valve Stuck Open (Bank2) | <Ref. to GD(H4DOTC)-271, DTC P2442 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE STUCK OPEN (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2443 | Secondary Air Injection System Switching Valve Stuck Closed (Bank2) | <Ref. to GD(H4DOTC)-271, DTC P2443 SECONDARY AIR INJECTION SYSTEM SWITCHING VALVE STUCK CLOSED (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.> |
| P2444 | Secondary Air Injection System Pump Stuck On | <Ref. to GD(H4DOTC)-272, DTC P2444 SECONDARY AIR INJECTION SYSTEM PUMP STUCK ON, Diagnostic Trouble Code (DTC) Detecting Criteria.> |