

## 19. List of Diagnostic Trouble Code (DTC)

### A: LIST

| DTC   | Item   | Note   |
|-------|--|--|
| P0011 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 1) | <Ref. to EN(H6DO)(diag)-95, DTC P0011 INTAKE CAMSHAFT POSITION - TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P0014 | Exhaust AVCS System 1 (Range/Performance)                                      | <Ref. to EN(H6DO)(diag)-96, DTC P0014 EXHAUST AVCS SYSTEM 1 (RANGE/PERFORMANCE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                       |
| P0016 | Crankshaft Position - Camshaft Position Correlation (Bank1)                    | <Ref. to EN(H6DO)(diag)-97, DTC P0016 CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION (BANK1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                     |
| P0017 | Crank and Cam Timing B System Failure (Bank 1)                                 | <Ref. to EN(H6DO)(diag)-98, DTC P0017 CRANK AND CAM TIMING B SYSTEM FAILURE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                  |
| P0018 | Crankshaft Position - Camshaft Position Correlation (Bank2)                    | <Ref. to EN(H6DO)(diag)-99, DTC P0018 CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION (BANK2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                     |
| P0019 | Crank and Cam Timing B System Failure (Bank 2)                                 | <Ref. to EN(H6DO)(diag)-100, DTC P0019 CRANK AND CAM TIMING B SYSTEM FAILURE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P0021 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 2) | <Ref. to EN(H6DO)(diag)-101, DTC P0021 INTAKE CAMSHAFT POSITION - TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0024 | Exhaust AVCS System 2 (Range/Performance)                                      | <Ref. to EN(H6DO)(diag)-102, DTC P0024 EXHAUST AVCS SYSTEM 2 (RANGE/PERFORMANCE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                      |
| P0030 | HO2S Heater Control Circuit (Bank 1 Sensor 1)                                  | <Ref. to EN(H6DO)(diag)-103, 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(H6DO)(diag)-105, DTC P0031 HO2S HEATER CONTROL CIRCUIT LOW (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                              |
| P0032 | HO2S Heater Control Circuit High (Bank 1 Sensor 1)                             | <Ref. to EN(H6DO)(diag)-107, 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(H6DO)(diag)-109, 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(H6DO)(diag)-111, DTC P0038 HO2S HEATER CONTROL CIRCUIT HIGH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                             |
| P0050 | HO2S Heater Control Circuit (Bank 2 Sensor 1)                                  | <Ref. to EN(H6DO)(diag)-113, DTC P0050 HO2S HEATER CONTROL CIRCUIT (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                  |
| P0051 | HO2S Heater Control Circuit Low (Bank 2 Sensor 1)                              | <Ref. to EN(H6DO)(diag)-115, DTC P0051 HO2S HEATER CONTROL CIRCUIT LOW (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                              |
| P0052 | HO2S Heater Control Circuit High (Bank 2 Sensor 1)                             | <Ref. to EN(H6DO)(diag)-117, DTC P0052 HO2S HEATER CONTROL CIRCUIT HIGH (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                             |
| P0057 | HO2S Heater Control Circuit Low (Bank 2 Sensor 2)                              | <Ref. to EN(H6DO)(diag)-119, DTC P0057 HO2S HEATER CONTROL CIRCUIT LOW (BANK 2 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                              |
| P0058 | HO2S Heater Control Circuit High (Bank 2 Sensor 2)                             | <Ref. to EN(H6DO)(diag)-121, DTC P0058 HO2S HEATER CONTROL CIRCUIT HIGH (BANK 2 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                             |

## List of Diagnostic Trouble Code (DTC)

### ENGINE (DIAGNOSTICS)

| DTC   | Item  | Note  |
|-------|---|---|
| P0068 | MAP/MAF - Throttle Position Correlation   | <Ref. to EN(H6DO)(diag)-123, 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(H6DO)(diag)-124, 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(H6DO)(diag)-125, 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(H6DO)(diag)-127, 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(H6DO)(diag)-129, 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(H6DO)(diag)-131, DTC P0108 MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                       |
| P0111 | Intake Air Temperature Sensor 1 Circuit Range/Performance                               | <Ref. to EN(H6DO)(diag)-133, DTC P0111 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                               |
| P0112 | Intake Air Temperature Sensor 1 Circuit Low   | <Ref. to EN(H6DO)(diag)-134, 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(H6DO)(diag)-136, DTC P0113 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P0117 | Engine Coolant Temperature Circuit Low  | <Ref. to EN(H6DO)(diag)-138, DTC P0117 ENGINE COOLANT TEMPERATURE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P0118 | Engine Coolant Temperature Circuit High   | <Ref. to EN(H6DO)(diag)-140, 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(H6DO)(diag)-142, 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(H6DO)(diag)-144, 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(H6DO)(diag)-146, DTC P0125 INSUFFICIENT COOLANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                           |
| P0126 | Insufficient Engine Coolant Temperature for Stable Operation                            | <Ref. to EN(H6DO)(diag)-147, DTC P0126 INSUFFICIENT ENGINE COOLANT TEMPERATURE FOR STABLE OPERATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0128 | Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature) | <Ref. to EN(H6DO)(diag)-149, 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(H6DO)(diag)-150, 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(H6DO)(diag)-152, DTC P0132 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P0133 | O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)                                       | <Ref. to EN(H6DO)(diag)-154, DTC P0133 O2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                       |
| P0134 | O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)                                | <Ref. to EN(H6DO)(diag)-155, DTC P0134 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                |

# List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

| DTC   | Item   | Note   |
|-------|--|--|
| P0137 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)          | <Ref. to EN(H6DO)(diag)-157, 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(H6DO)(diag)-159, DTC P0138 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>         |
| P0139 | O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)        | <Ref. to EN(H6DO)(diag)-161, DTC P0139 O2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>        |
| P0140 | O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2) | <Ref. to EN(H6DO)(diag)-163, DTC P0140 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK1 SENSOR2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P0141 | O2 Sensor Heater Circuit (Bank 1 Sensor 2)               | <Ref. to EN(H6DO)(diag)-165, DTC P0141 O2 SENSOR HEATER CIRCUIT (BANK1 SENSOR2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                 |
| P0151 | O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)          | <Ref. to EN(H6DO)(diag)-166, DTC P0151 O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0152 | O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)         | <Ref. to EN(H6DO)(diag)-168, DTC P0152 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>         |
| P0153 | O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)        | <Ref. to EN(H6DO)(diag)-170, DTC P0153 O2 SENSOR CIRCUIT SLOW RESPONSE (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>        |
| P0154 | O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 1) | <Ref. to EN(H6DO)(diag)-171, DTC P0154 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0157 | O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)          | <Ref. to EN(H6DO)(diag)-173, DTC P0157 O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 2 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0158 | O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)         | <Ref. to EN(H6DO)(diag)-175, DTC P0158 O2 SENSOR CIRCUIT HIGH VOLTAGE (BANK 2 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>         |
| P0159 | O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)        | <Ref. to EN(H6DO)(diag)-177, DTC P0159 O2 SENSOR CIRCUIT SLOW RESPONSE (BANK 2 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>        |
| P0160 | O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 2) | <Ref. to EN(H6DO)(diag)-179, DTC P0160 O2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK2 SENSOR2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P0161 | O2 Sensor Heater Circuit (Bank 2 Sensor 2)               | <Ref. to EN(H6DO)(diag)-181, DTC P0161 O2 SENSOR HEATER CIRCUIT (BANK2 SENSOR2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                 |
| P0171 | System Too Lean (Bank 1)                                 | <Ref. to EN(H6DO)(diag)-181, DTC P0171 SYSTEM TOO LEAN (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P0172 | System Too Rich (Bank 1)                                 | <Ref. to EN(H6DO)(diag)-181, DTC P0172 SYSTEM TOO RICH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P0174 | System Too Lean (Bank 2)                                 | <Ref. to EN(H6DO)(diag)-181, DTC P0174 SYSTEM TOO LEAN (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P0175 | System Too Rich (Bank 2)                                 | <Ref. to EN(H6DO)(diag)-182, DTC P0175 SYSTEM TOO RICH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P0181 | Fuel Temperature Sensor "A" Circuit Range/Performance    | <Ref. to EN(H6DO)(diag)-184, DTC P0181 FUEL TEMPERATURE SENSOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>    |
| P0182 | Fuel Temperature Sensor "A" Circuit Low Input            | <Ref. to EN(H6DO)(diag)-185, DTC P0182 FUEL TEMPERATURE SENSOR "A" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>            |

## List of Diagnostic Trouble Code (DTC)

### ENGINE (DIAGNOSTICS)

| DTC   | Item   | Note   |
|-------|--|--|
| P0183 | Fuel Temperature Sensor "A" Circuit High Input                 | <Ref. to EN(H6DO)(diag)-187, DTC P0183 FUEL TEMPERATURE SENSOR "A" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                 |
| P0196 | Engine Oil Temperature Sensor Circuit Range/Performance        | <Ref. to EN(H6DO)(diag)-189, 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(H6DO)(diag)-190, DTC P0197 ENGINE OIL TEMPERATURE SENSOR LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                              |
| P0198 | Engine Oil Temperature Sensor High                             | <Ref. to EN(H6DO)(diag)-192, DTC P0198 ENGINE OIL TEMPERATURE SENSOR HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                             |
| P0222 | Throttle/Pedal Position Sensor/Switch "B" Circuit Low          | <Ref. to EN(H6DO)(diag)-194, 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(H6DO)(diag)-196, DTC P0223 THROTTLE/PEDAL POSITION SENSOR/SWITCH "B" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>         |
| P0230 | Fuel Pump Primary Circuit                                      | <Ref. to EN(H6DO)(diag)-198, DTC P0230 FUEL PUMP PRIMARY CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                      |
| P0301 | Cylinder 1 Misfire Detected                                    | <Ref. to EN(H6DO)(diag)-200, DTC P0301 CYLINDER 1 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                    |
| P0302 | Cylinder 2 Misfire Detected                                    | <Ref. to EN(H6DO)(diag)-200, DTC P0302 CYLINDER 2 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                    |
| P0303 | Cylinder 3 Misfire Detected                                    | <Ref. to EN(H6DO)(diag)-200, DTC P0303 CYLINDER 3 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                    |
| P0304 | Cylinder 4 Misfire Detected                                    | <Ref. to EN(H6DO)(diag)-200, DTC P0304 CYLINDER 4 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                    |
| P0305 | Cylinder 5 Misfire Detected                                    | <Ref. to EN(H6DO)(diag)-200, DTC P0305 CYLINDER 5 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                    |
| P0306 | Cylinder 6 Misfire Detected                                    | <Ref. to EN(H6DO)(diag)-201, DTC P0306 CYLINDER 6 MISFIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                    |
| P0327 | Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)           | <Ref. to EN(H6DO)(diag)-207, 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(H6DO)(diag)-209, DTC P0328 KNOCK SENSOR 1 CIRCUIT HIGH (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0332 | Knock Sensor 2 Circuit Low (Bank 2)                            | <Ref. to EN(H6DO)(diag)-211, DTC P0332 KNOCK SENSOR 2 CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0333 | Knock Sensor 2 Circuit High (Bank 2)                           | <Ref. to EN(H6DO)(diag)-213, DTC P0333 KNOCK SENSOR 2 CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                           |
| P0335 | Crankshaft Position Sensor "A" Circuit                         | <Ref. to EN(H6DO)(diag)-215, 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(H6DO)(diag)-217, 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(H6DO)(diag)-218, DTC P0340 CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0345 | Camshaft Position Sensor "A" Circuit (Bank 2)                  | <Ref. to EN(H6DO)(diag)-220, DTC P0345 CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                  |
| P0365 | Camshaft Position Sensor "B" Circuit (Bank 1)                  | <Ref. to EN(H6DO)(diag)-222, DTC P0365 CAMSHAFT POSITION SENSOR "B" CIRCUIT (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                  |
| P0390 | Camshaft Position Sensor "B" Circuit (Bank 2)                  | <Ref. to EN(H6DO)(diag)-224, DTC P0390 CAMSHAFT POSITION SENSOR "B" CIRCUIT (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                  |
| P0400 | Exhaust Gas Recirculation Flow                                 | <Ref. to EN(H6DO)(diag)-226, DTC P0400 EXHAUST GAS RECIRCULATION FLOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |

# List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

| DTC   | Item   | Note   |
|-------|--|--|
| P0420 | Catalyst System Efficiency Below Threshold (Bank 1)                    | <Ref. to EN(H6DO)(diag)-228, DTC P0420 CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                    |
| P0442 | Evaporative Emission Control System Leak Detected (Small Leak)         | <Ref. to EN(H6DO)(diag)-232, DTC P0442 EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>         |
| P0447 | Evaporative Emission Control System Vent Control Circuit Open          | <Ref. to EN(H6DO)(diag)-234, DTC P0447 EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL CIRCUIT OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0448 | Evaporative Emission Control System Vent Control Circuit Shorted       | <Ref. to EN(H6DO)(diag)-236, DTC P0448 EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL CIRCUIT SHORTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>       |
| P0451 | Evaporative Emission Control System Pressure Sensor                    | <Ref. to EN(H6DO)(diag)-238, DTC P0451 EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                    |
| P0452 | Evaporative Emission Control System Pressure Sensor Low Input          | <Ref. to EN(H6DO)(diag)-239, DTC P0452 EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0453 | Evaporative Emission Control System Pressure Sensor High Input         | <Ref. to EN(H6DO)(diag)-241, DTC P0453 EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>         |
| P0456 | Evaporative Emission Control System Leak Detected (Very Small Leak)    | <Ref. to EN(H6DO)(diag)-243, DTC P0456 EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>    |
| P0457 | Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off) | <Ref. to EN(H6DO)(diag)-245, DTC P0457 EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0458 | Evaporative Emission System Purge Control Valve Circuit Low            | <Ref. to EN(H6DO)(diag)-247, 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(H6DO)(diag)-249, 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(H6DO)(diag)-251, 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(H6DO)(diag)-251, 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(H6DO)(diag)-251, DTC P0463 FUEL LEVEL SENSOR "A" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                     |
| P0464 | Fuel Level Sensor Circuit Intermittent                                 | <Ref. to EN(H6DO)(diag)-252, DTC P0464 FUEL LEVEL SENSOR CIRCUIT INTERMITTENT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P0500 | Vehicle Speed Sensor "A"   | <Ref. to EN(H6DO)(diag)-252, 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(H6DO)(diag)-253, 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(H6DO)(diag)-254, DTC P0507 IDLE AIR CONTROL SYSTEM RPM HIGHER THAN EXPECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                       |
| P0512 | Starter Request Circuit  | <Ref. to EN(H6DO)(diag)-255, DTC P0512 STARTER REQUEST CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P0513 | Incorrect Immobilizer Key  | <Ref. to IM(diag)-15, DTC P0513 INCORRECT IMMOBILIZER KEY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |

## List of Diagnostic Trouble Code (DTC)

### ENGINE (DIAGNOSTICS)

| DTC   | Item  | Note  |
|-------|---|---|
| P0604 | Internal Control Module Random Access Memory (RAM) Error      | <Ref. to EN(H6DO)(diag)-257, 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(H6DO)(diag)-257, DTC P0605 INTERNAL CONTROL MODULE READ ONLY MEMORY (ROM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0607 | Throttle Control System Circuit Range/Performance             | <Ref. to EN(H6DO)(diag)-258, DTC P0607 THROTTLE CONTROL SYSTEM CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>             |
| P0638 | Throttle Actuator Control Range/Performance (Bank 1)          | <Ref. to EN(H6DO)(diag)-259, DTC P0638 THROTTLE ACTUATOR CONTROL RANGE/PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0700 | Transmission Control System (MIL Request)                     | <Ref. to EN(H6DO)(diag)-259, DTC P0700 TRANSMISSION CONTROL SYSTEM (MIL REQUEST), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                     |
| P1152 | O2 Sensor Circuit Range/Performance (Low) (Bank1 Sensor1)     | <Ref. to EN(H6DO)(diag)-260, DTC P1152 O2 SENSOR CIRCUIT RANGE/PERFORMANCE (LOW) (BANK1 SENSOR1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>     |
| P1153 | O2 Sensor Circuit Range/Performance (High) (Bank1 Sensor1)    | <Ref. to EN(H6DO)(diag)-262, DTC P1153 O2 SENSOR CIRCUIT RANGE/PERFORMANCE (HIGH) (BANK1 SENSOR1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>    |
| P1154 | O2 Sensor Circuit Range/Performance (Low) (Bank 2 Sensor 1)   | <Ref. to EN(H6DO)(diag)-264, DTC P1154 O2 SENSOR CIRCUIT RANGE/PERFORMANCE (LOW) (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P1155 | O2 Sensor Circuit Range/Performance (High) (Bank 2 Sensor 1)  | <Ref. to EN(H6DO)(diag)-266, DTC P1155 O2 SENSOR CIRCUIT RANGE/PERFORMANCE (HIGH) (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P1160 | Return Spring Failure   | <Ref. to EN(H6DO)(diag)-267, DTC P1160 RETURN SPRING FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P1443 | Vent Control Solenoid Valve Function Problem                  | <Ref. to EN(H6DO)(diag)-268, DTC P1443 VENT CONTROL SOLENOID VALVE FUNCTION PROBLEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                  |
| P1492 | EGR Solenoid Valve Signal #1 Circuit Malfunction (Low Input)  | <Ref. to EN(H6DO)(diag)-269, 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(H6DO)(diag)-269, 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(H6DO)(diag)-269, 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(H6DO)(diag)-269, 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(H6DO)(diag)-269, 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(H6DO)(diag)-269, 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(H6DO)(diag)-270, 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(H6DO)(diag)-273, DTC P1499 EGR SOLENOID VALVE SIGNAL #4 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

| DTC   | Item   | Note   |
|-------|--|--|
| P1518 | Starter Switch Circuit Low Input                                 | <Ref. to EN(H6DO)(diag)-276, DTC P1518 STARTER SWITCH CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P1560 | Back-Up Voltage Circuit Malfunction                              | <Ref. to EN(H6DO)(diag)-278, DTC P1560 BACK-UP VOLTAGE CIRCUIT MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                              |
| P1570 | Antenna  | <Ref. to IM(diag)-16, DTC P1570 ANTENNA, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P1571 | Reference Code Incompatibility                                   | <Ref. to IM(diag)-18, DTC P1571 REFERENCE CODE INCOMPATIBILITY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P1572 | IMM Circuit Failure (Except Antenna Circuit)                     | <Ref. to IM(diag)-19, DTC P1572 IMM CIRCUIT FAILURE (EXCEPT ANTENNA CIRCUIT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P1574 | Key Communication Failure  | <Ref. to IM(diag)-21, DTC P1574 KEY COMMUNICATION FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P1576 | EGI Control Module EEPROM  | <Ref. to IM(diag)-21, DTC P1576 EGI CONTROL MODULE EEPROM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P1577 | IMM Control Module EEPROM  | <Ref. to IM(diag)-22, DTC P1577 IMM CONTROL MODULE EEPROM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P1578 | Meter Failure  | <Ref. to IM(diag)-23, DTC P1578 METER FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P1602 | Control Module Programming Error                                 | <Ref. to EN(H6DO)(diag)-280, DTC P1602 CONTROL MODULE PROGRAMMING ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P2088 | Intake Camshaft Position Actuator Control Circuit Low (Bank 1)   | <Ref. to EN(H6DO)(diag)-289, DTC P2088 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P2089 | Intake Camshaft Position Actuator Control Circuit High (Bank 1)  | <Ref. to EN(H6DO)(diag)-291, DTC P2089 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P2090 | Exhaust Camshaft Position Actuator Control Circuit Low (Bank 1)  | <Ref. to EN(H6DO)(diag)-293, DTC P2090 EXHAUST CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P2091 | Exhaust Camshaft Position Actuator Control Circuit High (Bank 1) | <Ref. to EN(H6DO)(diag)-295, DTC P2091 EXHAUST CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2092 | Intake Camshaft Position Actuator Control Circuit Low (Bank 2)   | <Ref. to EN(H6DO)(diag)-297, DTC P2092 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| P2093 | Intake Camshaft Position Actuator Control Circuit High (Bank 2)  | <Ref. to EN(H6DO)(diag)-299, DTC P2093 INTAKE CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P2094 | Exhaust Camshaft Position Actuator Control Circuit Low (Bank 2)  | <Ref. to EN(H6DO)(diag)-301, DTC P2094 EXHAUST CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P2095 | Exhaust Camshaft Position Actuator Control Circuit High (Bank 2) | <Ref. to EN(H6DO)(diag)-303, DTC P2095 EXHAUST CAMSHAFT POSITION ACTUATOR CONTROL CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2096 | Post Catalyst Fuel Trim System Too Lean (Bank 1)                 | <Ref. to EN(H6DO)(diag)-305, 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(H6DO)(diag)-311, DTC P2097 POST CATALYST FUEL TRIM SYSTEM TOO RICH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                 |
| P2098 | Post Catalyst Fuel Trim System Too Lean (Bank 2)                 | <Ref. to EN(H6DO)(diag)-317, DTC P2098 POST CATALYST FUEL TRIM SYSTEM TOO LEAN BANK 2, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                   |
| P2099 | Post Catalyst Fuel Trim System Too Rich (Bank 2)                 | <Ref. to EN(H6DO)(diag)-323, DTC P2099 POST CATALYST FUEL TRIM SYSTEM TOO RICH BANK 2, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                   |

## List of Diagnostic Trouble Code (DTC)

### ENGINE (DIAGNOSTICS)

| DTC   | Item  | Note  |
|-------|---|---|
| P2101 | Throttle Actuator Control Motor Circuit Range/Performance         | <Ref. to EN(H6DO)(diag)-329, 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(H6DO)(diag)-334, 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(H6DO)(diag)-336, 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(H6DO)(diag)-337, DTC P2109 THROTTLE/PEDAL POSITION SENSOR "A" MINIMUM STOP PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>       |
| P2122 | Throttle/Pedal Position Sensor/Switch "D" Circuit Low Input       | <Ref. to EN(H6DO)(diag)-338, 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(H6DO)(diag)-340, 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(H6DO)(diag)-342, 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(H6DO)(diag)-344, 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(H6DO)(diag)-346, 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(H6DO)(diag)-349, DTC P2138 THROTTLE/PEDAL POSITION SENSOR/SWITCH "D"/"E" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2227 | Atmospheric Pressure Sensor Range/Performance                     | <Ref. to EN(H6DO)(diag)-351, DTC P2227 BAROMETRIC PRESSURE CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                     |
| P2228 | Barometric Pressure Circuit Low                                   | <Ref. to EN(H6DO)(diag)-351, DTC P2228 BAROMETRIC PRESSURE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P2229 | Barometric Pressure Circuit High                                  | <Ref. to EN(H6DO)(diag)-352, DTC P2229 BAROMETRIC PRESSURE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                  |
| U0073 | CAN Failure, Bus "OFF" Detection                                  | <Ref. to EN(H6DO)(diag)-352, DTC U0073 CAN FAILURE, BUS 'OFF' DETECTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                  |
| U0101 | CAN (TCM) Data not Loaded   | <Ref. to EN(H6DO)(diag)-352, DTC U0101 CAN (TCU) DATA NOT LOADED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| U0122 | CAN (VDC) Data not Loaded   | <Ref. to EN(H6DO)(diag)-352, DTC U0122 CAN (VDC) DATA NOT LOADED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| U0140 | CAN (BCU) Data not Loaded   | <Ref. to EN(H6DO)(diag)-352, DTC U0140 CAN (BCU) DATA NOT LOADED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| U0402 | CAN (TCM) Data Abnormal   | <Ref. to EN(H6DO)(diag)-352, DTC U0402 CAN (TCU) DATA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| U0416 | CAN (VDC) Data Abnormal   | <Ref. to EN(H6DO)(diag)-352, DTC U0416 CAN (VDC) DATA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |
| U0422 | CAN (BCU) Data Abnormal   | <Ref. to EN(H6DO)(diag)-352, DTC U0422 CAN (BCU) DATA ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>   |