

# Read Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

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## 10. Read Diagnostic Trouble Code (DTC)

### A: OPERATION

#### 1. SUBARU SELECT MONITOR

NOTE:

- For detailed operation procedures, refer to “PC application help for Subaru Select Monitor”.
- For details concerning DTC, refer to “List of Diagnostic Trouble Code (DTC)”. <Ref. to EN(H4DO)(diag)-82, List of Diagnostic Trouble Code (DTC).>

#### 2. GENERAL SCAN TOOL

Refer to data denoting emission-related powertrain DTC. For details concerning DTC, refer to “List of Diagnostic Trouble Code (DTC)”. <Ref. to EN(H4DO)(diag)-82, List of Diagnostic Trouble Code (DTC).>

NOTE:

Refer to general scan tool manufacturer’s instruction manual to access powertrain DTC (MODE \$03).

## 11. Inspection Mode

### A: PROCEDURE

Perform the diagnosis shown in the following DTC table.

When performing the diagnosis not listed in “List of Diagnostic Trouble Code (DTC)”, refer to the item on the drive cycle. <Ref. to EN(H4DO)(diag)-48, Drive Cycle.>

| DTC   | Item   | Condition |
|-------|--|-----------|
| P0011 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 1)   | —         |
| P0014 | Exhaust AVCS System 1 (Range/Performance)  | —         |
| P0016 | Crankshaft Position - Camshaft Position Correlation (Bank1)                      | —         |
| P0017 | Crank and Cam Timing B System Failure (Bank 1)                                   | —         |
| P0018 | Crankshaft Position - Camshaft Position Correlation (Bank2)                      | —         |
| P0019 | Crank and Cam Timing B System Failure (Bank 2)                                   | —         |
| P0021 | Intake Camshaft Position - Timing Over-Advanced or System Performance (Bank 2)   | —         |
| P0024 | Exhaust AVCS System 2 (Range/Performance)  | —         |
| P0031 | HO2S Heater Control Circuit Low (Bank 1 Sensor 1)                                | —         |
| P0032 | HO2S Heater Control Circuit High (Bank 1 Sensor 1)                               | —         |
| P0037 | HO2S Heater Control Circuit Low (Bank 1 Sensor 2)                                | —         |
| P0038 | HO2S Heater Control Circuit High (Bank 1 Sensor 2)                               | —         |
| P0102 | Mass or Volume Air Flow Circuit Low Input  | —         |
| P0103 | Mass or Volume Air Flow Circuit High Input                                       | —         |
| P0107 | Manifold Absolute Pressure/Barometric Pressure Circuit Low Input                 | —         |
| P0108 | Manifold Absolute Pressure/Barometric Pressure Circuit High Input                | —         |
| P0112 | Intake Air Temperature Sensor 1 Circuit Low                                      | —         |
| P0113 | Intake Air Temperature Sensor 1 Circuit High                                     | —         |
| P0117 | Engine Coolant Temperature Circuit Low   | —         |
| P0118 | Engine Coolant Temperature Circuit High  | —         |
| P0122 | Throttle/Pedal Position Sensor/Switch “A” Circuit Low                            | —         |
| P0123 | Throttle/Pedal Position Sensor/Switch “A” Circuit High                           | —         |
| P0131 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)                                  | —         |
| P0132 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)                                 | —         |
| P0137 | O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)                                  | —         |
| P0138 | O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)                                 | —         |
| P0140 | O2 Sensor Circuit No Activity Detected (Bank1 Sensor2)                           | —         |
| P0197 | Engine Oil Temperature Sensor Low  | —         |
| P0198 | Engine Oil Temperature Sensor High   | —         |
| P0201 | Injector #1  | —         |
| P0202 | Injector #2  | —         |
| P0203 | Injector #3  | —         |
| P0204 | Injector #4  | —         |
| P0222 | Throttle/Pedal Position Sensor/Switch “B” Circuit Low                            | —         |
| P0223 | Throttle/Pedal Position Sensor/Switch “B” Circuit High                           | —         |
| P0327 | Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)                             | —         |
| P0328 | Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)                            | —         |
| P0335 | Crankshaft Position Sensor “A” Circuit   | —         |
| P0336 | Crankshaft Position Sensor “A” Circuit Range/Performance                         | —         |
| P0340 | Camshaft Position Sensor “A” Circuit (Bank 1 or Single Sensor)                   | —         |
| P0341 | Camshaft Position Sensor “A” Circuit Range/Performance (Bank 1 or Single Sensor) | —         |
| P0345 | Camshaft Position Sensor “A” Circuit (Bank 2)                                    | —         |
| P0346 | Camshaft Position Sensor “A” Circuit Range/Performance (Bank 2)                  | —         |
| P0351 | Ignition Coil A Primary/Secondary Circuit  | —         |

## Inspection Mode

### ENGINE (DIAGNOSTICS)

| DTC   | Item   | Condition |
|-------|--|-----------|
| P0352 | Ignition Coil B Primary/Secondary Circuit                            | —         |
| P0353 | Ignition Coil C Primary/Secondary Circuit                            | —         |
| P0354 | Ignition Coil D Primary/Secondary Circuit                            | —         |
| P0365 | Camshaft Position Sensor "B" Circuit (Bank 1)                        | —         |
| P0366 | Camshaft Position Sensor B Circuit Range/Performance (Bank 1)        | —         |
| P0390 | Camshaft Position Sensor "B" Circuit (Bank 2)                        | —         |
| P0391 | Camshaft Position Sensor B Circuit Range/Performance (Bank 2)        | —         |
| P0451 | Evaporative Emission System Pressure Sensor/Switch Range/Performance | —         |
| P0452 | Evaporative Emission System Pressure Sensor/Switch Low               | —         |
| P0453 | Evaporative Emission System Pressure Sensor/Switch High              | —         |
| P0458 | Evaporative Emission System Purge Control Valve Circuit Low          | —         |
| P0462 | Fuel Level Sensor "A" Circuit Low                                    | —         |
| P0463 | Fuel Level Sensor "A" Circuit High                                   | —         |
| P0500 | Vehicle Speed Sensor "A"   | —         |
| P0513 | Incorrect Immobilizer Key  | —         |
| P0516 | Battery Temperature Sensor Circuit Low                               | —         |
| P0517 | Battery Temperature Sensor Circuit High                              | —         |
| P0560 | System Voltage   | —         |
| P0604 | Internal Control Module Random Access Memory (RAM) Error             | —         |
| P0605 | Internal Control Module Read Only Memory (ROM) Error                 | —         |
| P0606 | Control Module Processor   | —         |
| P060A | Internal Control Module Monitoring Processor Performance             | —         |
| P060B | Internal Control Module A/D Processing Performance                   | —         |
| P0616 | Starter Relay Circuit Low  | —         |
| P0617 | Starter Relay Circuit High   | —         |
| P062F | Internal Control Module EEPROM Error                                 | —         |
| P0700 | Transmission Control System (MIL Request)                            | —         |
| P0851 | Park/Neutral Switch Input Circuit Low                                | —         |
| P0852 | Park/Neutral Switch Input Circuit High                               | —         |
| P1160 | Return Spring Failure  | —         |
| P1530 | Battery Current Sensor Circuit Low                                   | —         |
| P1531 | Battery Current Sensor Circuit High                                  | —         |
| P1532 | Battery Charging System  | —         |
| P1570 | Antenna  | —         |
| P1571 | Reference Code Incompatibility                                       | —         |
| P1572 | IMM Circuit Failure (Except Antenna Circuit)                         | —         |
| P1574 | Key Communication Failure  | —         |
| P1576 | EGI Control Module EEPROM  | —         |
| P1577 | IMM Control Module EEPROM  | —         |
| P1578 | Meter Failure  | —         |
| P2006 | Intake Manifold Runner Control Stuck Closed (Bank 1)                 | —         |
| P2007 | Intake Manifold Runner Control Stuck Closed (Bank 2)                 | —         |
| P2009 | Intake Manifold Runner Control Circuit Low (Bank 1)                  | —         |
| P2012 | Intake Manifold Runner Control Circuit Low (Bank 2)                  | —         |
| P2088 | Intake Camshaft Position Actuator Control Circuit Low (Bank 1)       | —         |
| P2089 | Intake Camshaft Position Actuator Control Circuit High (Bank 1)      | —         |
| P2090 | Exhaust Camshaft Position Actuator Control Circuit Low (Bank 1)      | —         |
| P2091 | Exhaust Camshaft Position Actuator Control Circuit High (Bank 1)     | —         |
| P2092 | Intake Camshaft Position Actuator Control Circuit Low (Bank 2)       | —         |
| P2093 | Intake Camshaft Position Actuator Control Circuit High (Bank 2)      | —         |