

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(H4SO)(diag)-75, 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(H4SO)(diag)-75, 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(H4SO)(diag)-46, Drive Cycle.>

| DTC | Item | Condition |
|-------|--|-----------|
| 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) | — |
| P0077 | Intake Valve Control Solenoid Circuit High (Bank 1) | — |
| P0083 | Intake Valve Control Solenoid Circuit High (Bank 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 (Bank 1 Sensor 2) | — |
| P0182 | Fuel Temperature Sensor “A” Circuit Low Input | — |
| P0183 | Fuel Temperature Sensor “A” Circuit High Input | — |
| P0197 | Engine Oil Temperature Sensor Low | — |
| P0198 | Engine Oil Temperature Sensor High | — |
| 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) | — |
| P0447 | Evaporative Emission Control System Vent Control Circuit Open | — |
| P0448 | Evaporative Emission Control System Vent Control Circuit Shorted | — |
| P0452 | Evaporative Emission Control System Pressure Sensor Low Input | — |
| P0453 | Evaporative Emission Control System Pressure Sensor High Input | — |
| 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” | — |
| P0512 | Starter Request Circuit | — |
| P0513 | Incorrect Immobilizer Key | — |

Inspection Mode

ENGINE (DIAGNOSTICS)

| DTC | Item | Condition |
|-------|---|-----------|
| P0604 | Internal Control Module Random Access Memory (RAM) Error | — |
| P0605 | Internal Control Module Read Only Memory (ROM) Error | — |
| P0607 | Throttle Control System Circuit Range/Performance | — |
| P0638 | Throttle Actuator Control Range/Performance (Bank 1) | — |
| P0700 | Transmission Control System (MIL Request) | — |
| P0851 | Park/Neutral Switch Input Circuit Low | — |
| P0852 | Park/Neutral Switch Input Circuit High | — |
| P1152 | O2 Sensor Circuit Range/Performance (Low) (Bank1 Sensor1) | — |
| P1153 | O2 Sensor Circuit Range/Performance (High) (Bank1 Sensor1) | — |
| P1160 | Return Spring Failure | — |
| P1518 | Starter Switch Circuit Low Input | — |
| P1560 | Back-Up Voltage Circuit Malfunction | — |
| P1570 | Antenna | — |
| P1571 | Reference Code Incompatibility | — |
| P1572 | IMM Circuit Failure | — |
| P1574 | Key Communication Failure | — |
| P1576 | EGI Control Module EEPROM | — |
| P1577 | IMM Control Module EEPROM | — |
| P1578 | Meter Failure | — |
| P2101 | Throttle Actuator Control Motor Circuit Range/Performance | — |
| P2102 | Throttle Actuator Control Motor Circuit Low | — |
| P2103 | Throttle Actuator Control Motor Circuit High | — |
| P2109 | Throttle/Pedal Position Sensor "A" Minimum Stop Performance | — |
| P2122 | Throttle/Pedal Position Sensor/Switch "D" Circuit Low Input | — |
| P2123 | Throttle/Pedal Position Sensor/Switch "D" Circuit High Input | — |
| P2127 | Throttle/Pedal Position Sensor/Switch "E" Circuit Low Input | — |
| P2128 | Throttle/Pedal Position Sensor/Switch "E" Circuit High Input | — |
| P2135 | Throttle/Pedal Position Sensor/Switch "A"/"B" Voltage Correlation | — |
| P2138 | Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation | — |
| P2227 | Atmospheric Pressure Sensor Range/Performance | — |
| P2228 | Barometric Pressure Circuit Low | — |
| P2229 | Barometric Pressure Circuit High | — |