15.System Operation Check Mode
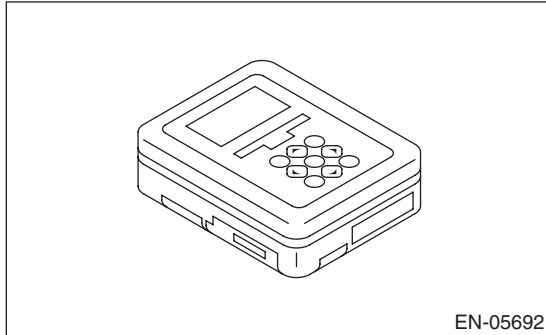
A: OPERATION

1) Prepare the Subaru Select Monitor kit. <Ref. to EN(H6DO)(diag)-7, PREPARATION TOOL, General Description.>

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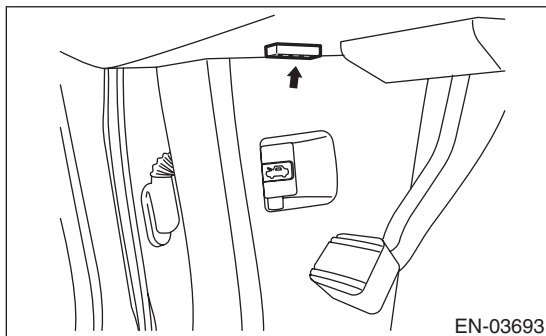2) Prepare the personal computer which has been installed the Subaru Select Monitor.

3) Connect the USB cable between SDI (Subaru Diagnosis Interface) and USB port on the personal computer (dedicated port for the Subaru Select Monitor).

NOTE:
The dedicated port for the Subaru Select Monitor means the USB port which was used to install the Subaru Select Monitor.

4) Connect the diagnosis cable to the SDI.

5) Connect the SDI to data link connector located in the lower portion of the instrument panel (on the driver's side).

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CAUTION:
Do not connect the scan tools except for Subaru Select Monitor and general scan tool.

6) Start up the personal computer.

7) Turn the ignition switch to ON (engine OFF), and run the "PC application for Subaru Select Monitor".

8) On the «Main Menu» display screen, select the {Each System Check}.

9) On the «System Selection Menu» display screen, select the {Engine Control System}.

10) Click the [OK] button after the information of engine type has been displayed.

11) On the «Engine Diagnosis» display screen, select the {System Operation Check Mode}.

12) The following items will be displayed on screen.

Display
Actuator ON/OFF Operation
Security System
Fuel Pump Control
Idling Ignition Timing Fixed
Idle Speed Control
Injector Control
EGR Valve Control

1. FUEL PUMP CONTROL (OFF OPERATION)

CAUTION:
After executing the operation check mode, execute the Clear Memory Mode <Ref. to EN(H6DO)(diag)-56, OPERATION, Clear Memory Mode.>.

1) On the «System operation check mode» display, select the {Fuel Pump Control}.

2) On the «Fuel Pump Control» display screen, select the {OFF Operation}.

3) On the «Start the Engine» display screen, start the engine and click the [OK] button.

4) Click the [Cancel] button to end the OFF drive. The screen will return to the «Fuel Pump Control» screen.

NOTE:
For detailed operation procedure, refer to the "PC application for Subaru Select Monitor".

2. FUEL PUMP CONTROL (ON/OFF OPERATION)

CAUTION:
After executing the operation check mode, execute the Clear Memory Mode <Ref. to EN(H6DO)(diag)-56, OPERATION, Clear Memory Mode.>.

1) On the «System operation check mode» display, select the {Fuel Pump Control}.

2) On the «Fuel Pump Control» display screen, select the {ON/OFF Operation}.

3) On the «Turn Ignition Switch ON with Engine Stalled» display screen, turn the ignition switch to ON and click the [OK] button.

4) Click the [Cancel] button to end the ON/OFF drive. The screen will return to the «Fuel Pump Control» screen.

NOTE:
For detailed operation procedure, refer to the "PC application for Subaru Select Monitor".

3. IDLING IGNITION TIMING FIXED

CAUTION:
After executing the operation check mode, execute the Clear Memory Mode <Ref. to EN(H6DO)(diag)-56, OPERATION, Clear Memory Mode.>.
1) On the «System operation check mode» display screen, select the {Idling Ignition Timing Fixed}.
2) On the «Start the Engine» display screen, start the engine and click the [OK] button.
3) Click the [Cancel] button to end the idle ignition timing fixed. The screen will return to the «System Operation Check Mode» screen.

NOTE:
For detailed operation procedure, refer to the "PC application for Subaru Select Monitor".

4. IDLE SPEED CONTROL

CAUTION:
After executing the operation check mode, execute the Clear Memory Mode <Ref. to EN(H6DO)(diag)-56, OPERATION, Clear Memory Mode.>.
1) On the «System operation check mode» display screen, select the {Idle Speed Control}.
2) On the «Start the Engine» display screen, start the engine and click the [OK] button.
3) In the «Idle Engine Speed Control» screen, click the [△] button or the [▽] button to change the setting values, then click the [OK] button.
Setting is possible in a range between 500 rpm — 2000 rpm, in increments of 50 rpm. However, the engine speed that can actually be controlled will vary depending on the vehicle or auxiliary load condition.
4) Click the [Cancel] button to end the idle speed control. The screen will return to the «System Operation Check Mode» screen.

NOTE:
For detailed operation procedure, refer to the "PC application for Subaru Select Monitor".

5. INJECTOR CONTROL (INJECTION STOP MODE)

CAUTION:
After executing the operation check mode, execute the Clear Memory Mode <Ref. to EN(H6DO)(diag)-56, OPERATION, Clear Memory Mode.>.
1) On the «System operation check mode» display, select the {Injector Control}.
2) On the «Injector Control» display screen, select the {Injection Stop Mode}.
3) Select the desired injector number on the «Injection Stop Mode» screen, and click the [OK] button.
4) On the «Start the Engine» display screen, start the engine and click the [OK] button.
5) Click the [Cancel] button to return the «Injection Stop Mode» display screen.
6) On the «Injection Stop Mode» display screen, click the [Return] button to end the «Injection Stop Mode». The screen will return to the «Injector Control» screen.

NOTE:
For detailed operation procedure, refer to the "PC application for Subaru Select Monitor".

6. INJECTOR CONTROL (INJECTION QUANTITY CONTROL)

CAUTION:
After executing the operation check mode, execute the Clear Memory Mode <Ref. to EN(H6DO)(diag)-56, OPERATION, Clear Memory Mode.>.
1) On the «System operation check mode» display, select the {Injector Control}.
2) On the «Injector Control» display screen, select the {Injection Quantity Control}.
3) On the «Start the Engine» display screen, start the engine and click the [OK] button.
4) In the «Injection Quantity Control» screen, click the [△] button or the [▽] button to change the setting values, then click the [OK] button.
Setting is possible in a range between 0 — 20%, in increments of 1%.
5) Click the [Cancel] button to end the injection quantity control. The screen will return to the «Injector Control» screen.

NOTE:
For detailed operation procedure, refer to the "PC application for Subaru Select Monitor".

7. EGR VALVE CONTROL

CAUTION:
After executing the operation check mode, execute the Clear Memory Mode <Ref. to EN(H6DO)(diag)-56, OPERATION, Clear Memory Mode.>.

1) On the «System operation check mode» display, select the {EGR Valve Control}.

2) On the «Start the Engine» display screen, start the engine and click the [OK] button.

3) In the «EGR Valve Control» screen, click the [△] button or the [▽] button to change the setting values, then click the [OK] button.

Setting is possible in 1 STEP increments. However, the number of STEPs that can actually be controlled will vary depending on the vehicle.

4) Click the [Cancel] button to end the EGR valve control. The screen will return to the «System Operation Check Mode» screen.

NOTE:
For detailed operation procedure, refer to the "PC application for Subaru Select Monitor".