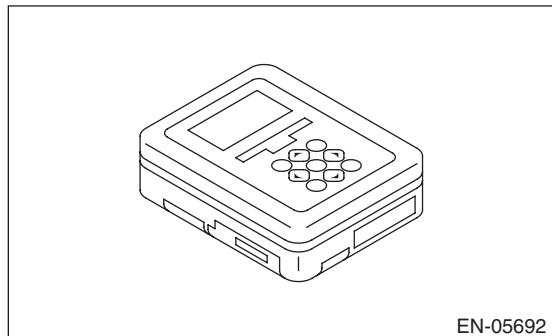


## 14. Compulsory Valve Operation Check Mode

### A: PROCEDURE

- 1) Prepare the Subaru Select Monitor kit. <Ref. to EN(H4DOTC)(diag)-7, PREPARATION TOOL, General Description.>

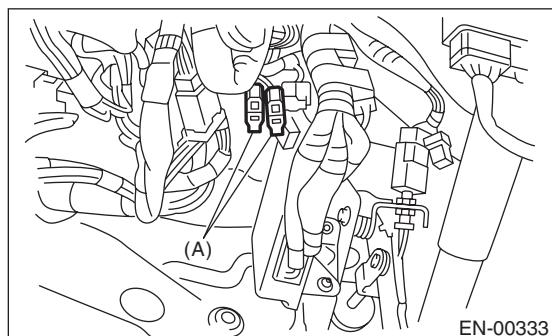


- 2) Prepare the personal computer which has been installed the Subaru Select Monitor.
- 3) Connect the USB cable between SDI (Subaru Diagnosis Interface) and USB port on the personal computer (dedicated port for the Subaru Select Monitor).

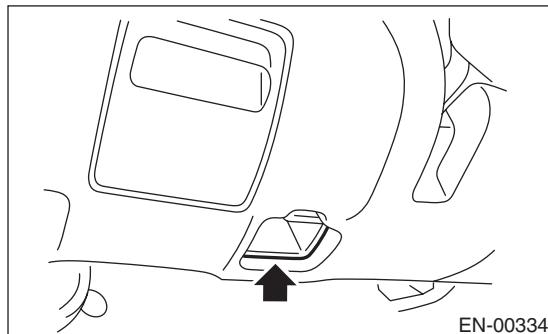
#### NOTE:

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 delivery (test) mode connector (A) at the lower portion of instrument panel (on the driver's side).



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



#### CAUTION:

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

- 7) Start up the personal computer.
- 8) Turn the ignition switch to ON (engine OFF), and run the "PC application for Subaru Select Monitor".
- 9) On the «Main Menu» display screen, select the {Each System Check}.
- 10) On the «System Selection Menu» display screen, select the {Engine Control System}.
- 11) Click the [OK] button after the information of engine type has been displayed.
- 12) On the «Engine Diagnosis» display screen, select the {System Operation Check Mode}.
- 13) On the «System operation check mode» display screen, select the {Actuator ON/OFF Operation}.
- 14) Select the desired compulsory actuator on the «Actuator ON/OFF Operation» display screen and click the [Next] button.

## Compulsory Valve Operation Check Mode

### ENGINE (DIAGNOSTICS)

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15) Clicking the [End] button completes the compulsory valve operation check mode. The display will then return to the «Actuator ON/OFF Operation» screen.

- A list of the support data is shown in the following table.

| Contents   | Display                           |
|--|-----------------------------------|
| Compulsory fuel pump relay operation check                   | Fuel Pump                         |
| Compulsory radiator fan relay operation check                | Radiator Fan Relay                |
| Compulsory air conditioning relay operation check            | A/C Compressor Relay              |
| Compulsory purge control solenoid 1 valve operation check    | CPC Solenoid                      |
| Compulsory purge control solenoid 2 valve operation check    | CPC Solenoid 2                    |
| Compulsory pressure control solenoid valve operation check   | PCV solenoid                      |
| Compulsory drain valve operation check                       | Vent Control Solenoid             |
| Compulsory wastegate control solenoid valve operation check  | Wastegate control Solenoid        |
| Secondary air combination valve 1 compulsory operation check | Secondary Air Combination Valve 1 |
| Secondary air combination valve 2 compulsory operation check | Secondary Air Combination Valve 2 |
| Secondary air pump relay compulsory operation check          | Secondary air pump relay          |

#### NOTE:

- The following parts will be displayed but not functional because they are not installed on the vehicle.

| Display                         |
|---------------------------------|
| EGR Solenoid                    |
| ASV Solenoid                    |
| FICD Solenoid                   |
| Pressure Switching Sol.1        |
| Pressure Switching Sol.2        |
| AAI Solenoid                    |
| EXH. Bypass Control Permit Flag |

- For detailed operation procedure, refer to the “PC application help for Subaru Select Monitor”.