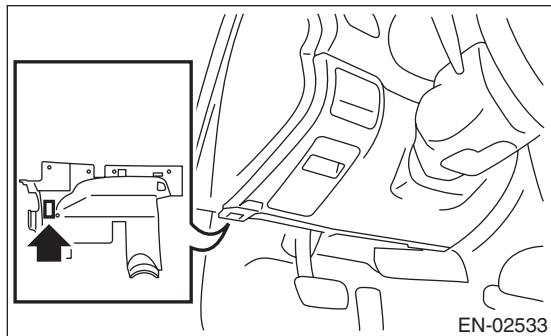


## 15. System Operation Check Mode

### A: OPERATION

- 1) Prepare the Subaru Select Monitor kit. *<Ref. to EN(H6DO)(diag)-7, PREPARATION TOOL, General Description.>*
- 2) Connect the diagnosis cable to the Subaru Select Monitor.
- 3) Connect the Subaru Select Monitor to data link connector located in the lower portion of the instrument panel (on the driver's side).



#### CAUTION:

**Do not connect anything other than the Subaru Select Monitor and general scan tool.**

- 4) Turn the ignition switch to ON (engine OFF) and run the Subaru Select Monitor.
- 5) On the «Main Menu» display screen, select {Each System Check}.
- 6) On the «System Selection Menu» display screen, select {Engine Control System}.
- 7) Select the [OK] after the information of engine type has been displayed.
- 8) On the «Engine Diagnosis» display screen, select the {System Operation Check Mode}.
- 9) The following items will be displayed on screen.

Display
Fuel Pump Control
Idling Ignition Timing Fixed
Idle Speed Control
Injector Control

### 1. FUEL PUMP CONTROL (OFF OPERATION)

#### CAUTION:

After performing the Operation Check Mode, perform the Clear Memory Mode *<Ref. to EN(H6DO)(diag)-54, OPERATION, Clear Memory Mode.>* and the Inspection Mode *<Ref. to EN(H6DO)(diag)-43, PROCEDURE, Inspection Mode.>*

- 1) On the «System Operation Check Mode» display screen, 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 select the [OK].
- 4) Select the [NO] to end the OFF operation. The screen will return to the «Fuel Pump Control» screen.

### 2. FUEL PUMP CONTROL (ON/OFF OPERATION)

#### CAUTION:

After performing the Operation Check Mode, perform the Clear Memory Mode *<Ref. to EN(H6DO)(diag)-54, OPERATION, Clear Memory Mode.>* and the Inspection Mode *<Ref. to EN(H6DO)(diag)-43, PROCEDURE, Inspection Mode.>*

- 1) On the «System Operation Check Mode» display screen, 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, select the [OK].
- 4) Select the [NO] to end the ON/OFF operation. The screen will return to the «Fuel Pump Control» screen.

### 3. IDLING IGNITION TIMING FIXED

#### CAUTION:

After performing the Operation Check Mode, perform the Clear Memory Mode *<Ref. to EN(H6DO)(diag)-54, OPERATION, Clear Memory Mode.>* and the Inspection Mode *<Ref. to EN(H6DO)(diag)-43, PROCEDURE, Inspection Mode.>*

- 1) On the «System Operation Check Mode» display screen, select {Idling Ignition Timing Fixed}.
- 2) On the «Start the Engine» display screen, start the engine and select the [OK].
- 3) Select the [NO] to end the idle ignition timing fixed. The screen will return to the «System Operation Check Mode» screen.

## 4. IDLE SPEED CONTROL

### CAUTION:

After performing the Operation Check Mode, perform the Clear Memory Mode <Ref. to EN(H6DO)(diag)-54, OPERATION, Clear Memory Mode.> and the Inspection Mode <Ref. to EN(H6DO)(diag)-43, PROCEDURE, Inspection Mode.>.

- 1) On the «System Operation Check Mode» display screen, select {Idle Speed Control}.
- 2) On the «Start the Engine» display screen, start the engine and select the [OK].
- 3) In the «Idle Speed Control» screen, press the  $\Delta$  key or the  $\nabla$  key to change the setting values, then select the [OK].  
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.
- 4) Select the [NO] to end the idle engine speed control. The screen will return to the «System Operation Check Mode» screen.

## 5. INJECTOR CONTROL (INJECTION STOP MODE)

### CAUTION:

After performing the Operation Check Mode, perform the Clear Memory Mode <Ref. to EN(H6DO)(diag)-54, OPERATION, Clear Memory Mode.> and the Inspection Mode <Ref. to EN(H6DO)(diag)-43, PROCEDURE, Inspection Mode.>.

- 1) On the «System Operation Check Mode» display screen, select {Injector Control}.
- 2) On the «Injector Control» display screen, select {Injection Stop Mode}.
- 3) Start the engine on the desired injector number in the «Injection Stop Mode» screen, and select the [OK].
- 4) On the «Start the Engine» display screen, start the engine and select the [OK].
- 5) Select the [NO] to end the injection stop mode. The screen will return to the «Injector Control» screen.

## 6. INJECTOR CONTROL (INJECTION QUANTITY CONTROL)

### CAUTION:

After performing the Operation Check Mode, perform the Clear Memory Mode <Ref. to EN(H6DO)(diag)-54, OPERATION, Clear Memory Mode.> and the Inspection Mode <Ref. to EN(H6DO)(diag)-43, PROCEDURE, Inspection Mode.>.

- 1) On the «System Operation Check Mode» display screen, select {Injector Control}.
- 2) On the «Injector Control» display screen, select {Injection Quantity Control}.
- 3) On the «Start the Engine» display screen, start the engine and select the [OK].
- 4) In the «Injection Quantity Control» screen, press the  $\Delta$  key or the  $\nabla$  key to change the setting values, then select the [OK].  
Setting is possible in a range between 0 — 20%, in increments of 1%.
- 5) Select the [NO] to end the injection quantity control. The screen will return to the «Injector Control» screen.

### NOTE:

For detailed operation procedure, refer to the «SUBARU SELECT MONITOR OPERATION MANUAL».