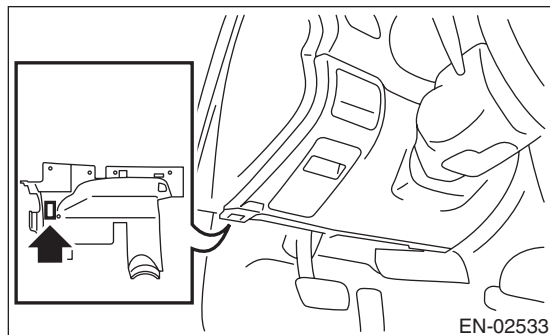


## 15. System Operation Check Mode

### A: OPERATION

- 1) Prepare the Subaru Select Monitor kit. <Ref. to EN(H4SO)(diag)-8, 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 the scan tools except for the Subaru Select Monitor or 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
EGR Valve Control

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

**CAUTION:**

**After performing the Operation Check Mode, perform the Clear Memory Mode <Ref. to EN(H4SO)(diag)-53, OPERATION, Clear Memory 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(H4SO)(diag)-53, OPERATION, Clear Memory 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(H4SO)(diag)-53, OPERATION, Clear Memory 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.

# System Operation Check Mode

ENGINE (DIAGNOSTICS)

## 4. IDLE SPEED CONTROL

### CAUTION:

**After performing the Operation Check Mode, perform the Clear Memory Mode <Ref. to EN(H4SO)(diag)-53, OPERATION, Clear Memory 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, select the [△] or the [▽] to change the setting values, then select the [OK].

Setting is possible in a range between 500 rpm — 2,000 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(H4SO)(diag)-53, OPERATION, Clear Memory 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) Select 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(H4SO)(diag)-53, OPERATION, Clear Memory 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, select the [△] or the [▽] 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”.

## 7. EGR VALVE CONTROL

### CAUTION:

**After performing the Operation Check Mode, perform the Clear Memory Mode <Ref. to EN(H4SO)(diag)-53, OPERATION, Clear Memory Mode.>.**

- 1) On the «System Operation Check Mode» display screen, select {EGR Valve Control}.
- 2) On the «Start the Engine» display screen, start the engine and select the [OK].
- 3) In the «EGR Valve Control» screen, select the [△] or the [▽] to change the setting values, then select the [OK].

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

- 4) Select the [NO] 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 “SUBARU SELECT MONITOR OPERATION MANUAL”.