

Subaru Select Monitor

BRAKE VACUUM CONTROL (BVC) (DIAGNOSTICS)

6. Subaru Select Monitor

A: OPERATION

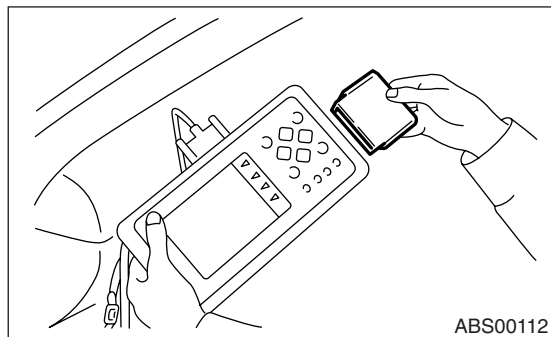
1. READ DIAGNOSTIC TROUBLE CODE (DTC)

1) Prepare the Subaru Select Monitor kit. <Ref. to BVC(diag)-5, SPECIAL TOOL, PREPARATION TOOL, General Description.>



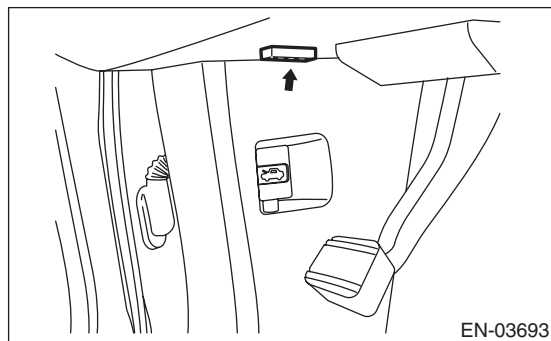
2) Connect the diagnosis cable to Subaru Select Monitor.

3) Insert the cartridge to the Subaru Select Monitor. <Ref. to BVC(diag)-5, SPECIAL TOOL, PREPARATION TOOL, General Description.>



4) Connect the Subaru Select Monitor to data link connector.

(1) Data link connector is located in the lower portion of instrument panel (on the driver's side).

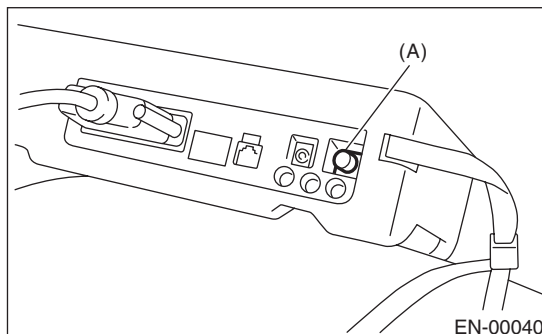


(2) Connect the diagnosis cable to data link connector.

CAUTION:

Do not connect the scan tools except for Subaru Select Monitor.

5) Turn the ignition switch to ON (engine OFF) and turn the Subaru Select Monitor switch to ON.



(A) Power switch

6) On the «Main Menu» display screen, select the {Each System Check} and press the [YES] key.

7) On the «System Selection Menu» display screen, select the {Brake Negative Pressure Pump System} and press the [YES] key.

8) Press the [YES] key after the {3.0 DOHC} is displayed.

9) On the «Negative Pressure Pump Diagnosis Menu» display screen, select the {Diagnostic Code(s) Display} and press the [YES] key.

NOTE:

- For details concerning operation procedure, refer to the "SUBARU SELECT MONITOR OPERATION MANUAL".
- For details concerning DTCs, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to BVC(diag)-14, List of Diagnostic Trouble Code (DTC).>

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2. READ CURRENT DATA

- 1) On the «Main Menu» display screen, select the {Each System Check} and press the [YES] key.
 - 2) On the «System Selection Menu» display screen, select the {Brake Negative Pressure Pump System} and press the [YES] key.
 - 3) Press the [YES] key after the {3.0 DOHC} is displayed.
 - 4) On the «Negative Pressure Diagnosis Menu» display screen, select the {Current Data Display/Save}, and then press the [YES] key.
 - 5) On the «Data Display Menu» screen, select the {Data Display} and press the [YES] key.
 - 6) Using a scroll key, scroll the display screen up or down until necessary data is shown.
- A list of the support data is shown in the following table.

Display	Contents to be monitored	Unit of measure
Atmospheric pressure	Atmospheric pressure is displayed.	mmHg, kPa or psig
Brake booster pressure	Brake booster pressure is displayed.	mmHg, kPa or psig
Test mode terminal	Test mode terminal connection status is displayed.	D Check or U Check
Negative pressure pump motor	Negative pressure pump motor operating status is displayed.	ON or OFF
Negative pressure pump motor relay	Negative pressure pump motor relay operating status is displayed.	ON or OFF

NOTE:

For details concerning operation procedure, refer to the “SUBARU SELECT MONITOR OPERATION MANUAL”.

3. CLEAR MEMORY MODE

- 1) On the «Main Menu» display screen, select the {Each System Check} and press the [YES] key.
- 2) On the «System Selection Menu» display screen, select the {Brake Negative Pressure Pump System} and press the [YES] key.
- 3) Press the [YES] key after the {3.0 DOHC} is displayed.
- 4) On the «Negative Pressure Pump Diagnosis Menu» display screen, select the {Clear Memory} and press the [YES] key.

Display	Contents to be monitored
Clear Memory?	DTC deleting function

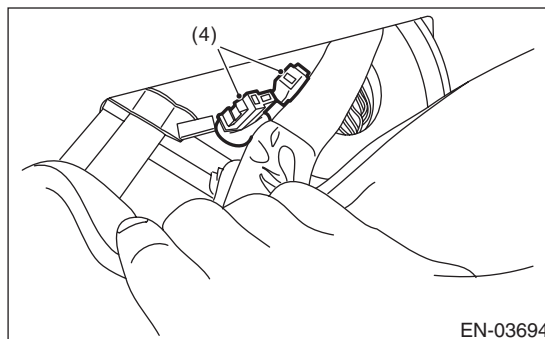
- 5) When “Done” and “Turn ignition switch OFF” are shown on the display screen, turn the Subaru Select Monitor and ignition switch to OFF.

NOTE:

For details concerning operation procedure, refer to the “SUBARU SELECT MONITOR OPERATION MANUAL”.

4. FUNCTION CHECK MODE

- 1) Connect the test mode connector located under the glove box.



(A) Test mode connector

- 2) Turn the ignition switch to ON (engine OFF) and turn the Subaru Select Monitor switch to ON.
- 3) On the «Main Menu» display screen, select the {Each System Check} and press the [YES] key.
- 4) On the «System Selection Menu» display screen, select the {Brake Negative Pressure Pump System} and press the [YES] key.
- 5) Press the [YES] key after the {3.0 DOHC} is displayed.
- 6) On the «Negative Pressure Pump Diagnosis Menu» display screen, select the {Function Check Mode} and press the [YES] key.
- 7) When the “Start Function Check Mode” is shown on the screen, press the [YES] key.
- 8) When the “Depress the Brake Pedal 5 Times” is shown on the screen, depress the brake pedal 5 times, and press the [YES] key while brake pedal is not depressed.
- 9) Press the [YES] key after the {OK} is displayed.