

# Basic Diagnostic Procedure

## BRAKE VACUUM CONTROL (BVC) (DIAGNOSTICS)

### 1. Basic Diagnostic Procedure

#### A: PROCEDURE

##### CAUTION:

- Subaru Select Monitor is required for reading DTC, reading the current data and clearing the memory.
- Remove foreign matter (dust, water, oil, etc.) from the engine control module (ECM) connector when removing or installing.

##### NOTE:

- To check the harness for open or short circuits, shake problem spot or connector.
- Refer to "Check List for Interview". <Ref. to BVC(diag)-3, Check List for Interview.>

| Step                                                                                                                                                                                                                                                                                                                                                                                                                                   | Check                                                               | Yes                                   | No                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| <b>1 CHECK PRE-INSPECTION.</b><br>1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to BVC(diag)-3, Check List for Interview.><br>2) Check the error display. (Odo/trip meter)                                                                                                                                                                                                               | Is "Er-bb" displayed on the screen?                                 | Go to step 3.                         | Go to step 2.                     |
| <b>2 BASIC INSPECTION.</b><br>Check the components which might affect the brake vacuum control. <Ref. to BVC(diag)-5, INSPECTION, General Description.>                                                                                                                                                                                                                                                                                | Is the component that might affect the brake vacuum control normal? | Go to step 3.                         | Repair or replace each component. |
| <b>3 CHECK INDICATION OF DTC.</b><br>1) Turn the ignition switch to OFF.<br>2) Connect the Subaru Select Monitor to data link connector.<br>3) Turn the ignition switch to ON and run the Subaru Select Monitor.<br>4) Read the DTC. <Ref. to BVC(diag)-11, OPERATION, Read Diagnostic Trouble Code (DTC).><br>5) Record all DTC.                                                                                                      | Is DTC displayed?                                                   | Go to step 5.                         | Go to step 4.                     |
| <b>4 PERFORM GENERAL DIAGNOSTICS.</b><br>Perform the inspection by referring to "General Diagnostic Table". <Ref. to BVC(diag)-31, INSPECTION, General Diagnostic Table.>                                                                                                                                                                                                                                                              | Is result of inspection OK?                                         | Finish the diagnosis.                 | Go to step 5.                     |
| <b>5 PERFORM DIAGNOSIS.</b><br>1) Correct the cause of trouble according to the DTC. <Ref. to BVC(diag)-14, LIST, List of Diagnostic Trouble Code (DTC).><br>2) Perform the Clear Memory Mode. <Ref. to BVC(diag)-13, OPERATION, Clear Memory Mode.><br>3) Perform the Inspection Mode. <Ref. to BVC(diag)-12, PROCEDURE, Inspection Mode.><br>4) Read the DTC. <Ref. to BVC(diag)-11, OPERATION, Read Diagnostic Trouble Code (DTC).> | Is DTC displayed?                                                   | Repeat step 5 until DTC is not shown. | Finish the diagnosis.             |