

# Basic Diagnostic Procedure

ABS (DIAGNOSTICS)

## 1. Basic Diagnostic Procedure

### A: PROCEDURE

#### CAUTION:

Remove foreign matter (dust, water, oil etc.) from the ABSCM&H/U connector during removal and installation.

#### NOTE:

- To check harness for broken wires or short circuits, shake the suspected trouble spot or connector.
- Refer to "Check List for Interview". <Ref. to ABS(diag)-4, Check List for Interview.>

| Step   | Check   | Yes                   | No  |
|--|---|-----------------------|---|
| 1 <b>CHECK PRE-INSPECTION.</b><br>1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to ABS(diag)-4, Check List for Interview.><br>2) Before performing diagnostics, check the components which might affect ABS problems. <Ref. to ABS(diag)-8, INSPECTION, General Description.>  | Are components which might affect the ABS problem operating correctly?  | Go to step 2.         | Repair or replace each component.   |
| 2 <b>CHECK INDICATION OF DTC ON SCREEN.</b><br>1) Turn the ignition switch OFF.<br>2) Connect the Subaru Select Monitor to the data link connector.<br>3) Turn the ignition switch ON and Subaru Select Monitor ON.<br><br>NOTE:<br>If the communication function of the Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to ABS(diag)-19, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, INSPECTION, Subaru Select Monitor.><br>4) Read the DTC. <Ref. to ABS(diag)-24, OPERATION, Read Diagnostic Trouble Code (DTC).><br>5) Record all DTCs and freeze frame data. | Is DTC displayed?   | Go to step 4.         | Go to step 3.   |
| 3 <b>PERFORM GENERAL DIAGNOSTICS.</b><br>1) Inspect using "General Diagnostic Table". <Ref. to ABS(diag)-68, General Diagnostic Table.><br>2) Perform the Clear Memory Mode. <Ref. to ABS(diag)-18, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.><br>3) Perform the Inspection Mode. <Ref. to ABS(diag)-25, Inspection Mode.><br>4) Read the DTC. <Ref. to ABS(diag)-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.><br>Check that there is no DTC displayed.   | Does the ABS warning light go off after turning the ignition switch ON? | Finish the diagnosis. | Check using "ABS Diagnostic Procedure". <Ref. to ABS(diag)-22, WITHOUT DTC, INSPECTION, Subaru Select Monitor.> |

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| Step  | Check             | Yes   | No                    |
|---|-------------------|---|-----------------------|
| 4<br><b>PERFORM DIAGNOSIS.</b><br>1) Refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to ABS(diag)-35, LIST, List of Diagnostic Trouble Code (DTC).><br>2) Correct the cause of trouble.<br>3) Perform the Clear Memory Mode. <Ref. to ABS(diag)-18, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.><br>4) Perform the Inspection Mode. <Ref. to ABS(diag)-25, Inspection Mode.><br>5) Read the DTC. <Ref. to ABS(diag)-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.> | Is DTC displayed? | Repeat step 1 to 4 until DTC does not appear. | Finish the diagnosis. |