

# BASIC DIAGNOSTIC PROCEDURE

ABS (DIAGNOSTICS)

## 1. Basic Diagnostic Procedure

### A: PROCEDURE

#### 1. WITHOUT SUBARU SELECT MONITOR

**CAUTION:**

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

**NOTE:**

- To check the harness for broken wires or short circuits, shake it while holding it or the connector.
- When the ABS warning light illuminates, read and record the diagnostic trouble code (DTC) indicated by ABS warning light.

Step	Check	Yes	No
<b>1 CHECK PRE-INSPECTION.</b> 1) Ask the customer when and how trouble occurred using interview checklist. <Ref. to ABS-6, Check List for Interview.> 2) Before performing diagnosis, inspect the unit which might influence ABS problem. <Ref. to ABS-10, INSPECTION, General Description.>	Is the unit that might influence the ABS problem normal?	Go to step 2.	Repair or replace each unit.
<b>2 CHECK INDICATION OF DIAGNOSTIC TROUBLE CODE (DTC).</b> Calling up the DTC. <Ref. to ABS-21, Read Diagnostic Trouble Code (DTC).>	Is the ABS warning light normal?	Go to step 3.	Inspect using diagnostic chart for ABS warning light failure. <Ref. to ABS-30, Diagnostics Procedure without Diagnostic Trouble Code (DTC).> <b>NOTE:</b> Call up DTC again after inspecting ABS warning light. <Ref. to ABS-21, Read Diagnostic Trouble Code (DTC).>
<b>3 CHECK DIAGNOSTIC TROUBLE CODE (DTC).</b> Record all DTCs.	Is only the start code issued?	Go to step 4.	Go to step 5.
<b>4 PERFORM THE GENERAL DIAGNOSTICS.</b> 1) Inspect using "General Diagnostics Table". <Ref. to ABS-149, General Diagnostics Table.> 2) Perform the clear memory mode. <Ref. to ABS-23, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3) Perform the inspection mode. <Ref. to ABS-22, Inspection Mode.> Calling up the DTC. <Ref. to ABS-21, Read Diagnostic Trouble Code (DTC).>	Is only the start code issued?	Complete the diagnosis.	Go to step 5.

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Step	Check	Yes	No
<p><b>5</b>     <b>PERFORM THE DIAGNOSIS.</b> 1) Repair trouble cause. <b>NOTE:</b> For DTC list, refer to "List of Diagnostics Trouble Code (DTC)". &lt;Ref. to ABS-25, WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostics Trouble Code (DTC).&gt; 2) Perform the clear memory mode. &lt;Ref. to ABS-23, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.&gt; 3) Perform the inspection mode. &lt;Ref. to ABS-22, Inspection Mode.&gt; 4) Calling up the DTC. &lt;Ref. to ABS-21, Read Diagnostic Trouble Code (DTC).&gt;</p>	Is only the start code issued?	Complete the diagnosis.	Repeat the step 5 until only start code is issued.

# BASIC DIAGNOSTIC PROCEDURE

## ABS (DIAGNOSTICS)

### 2. WITH SUBARU SELECT MONITOR

**CAUTION:**

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

**NOTE:**

- To check the harness for broken wires or short circuits, shake it while holding it or the connector.
- Check list for interview. <Ref. to ABS-6, Check List for Interview.>

Step	Check	Yes	No
<b>1</b> <b>CHECK PRE-INSPECTION.</b> 1) Ask the customer when and how trouble occurred using interview checklist. <Ref. to ABS-6, Check List for Interview.> 2) Before performing diagnosis, inspect the unit which might influence the ABS problem. <Ref. to ABS-10, INSPECTION, General Description.>	Is the unit that might influence the ABS problem normal?	Go to step 2.	Repair or replace each unit.
<b>2</b> <b>CHECK INDICATION OF DIAGNOSTIC TROUBLE CODE (DTC) DISPLAY.</b> 1) Turn the ignition switch to OFF. 2) Connect the SUBARU SELECT MONITOR to data link connector. 3) Turn the ignition switch to ON and SUBARU SELECT MONITOR to ON. <b>NOTE:</b> If the communication function of select monitor cannot be executed normally, check communication circuit. <Ref. to ABS-80, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostics Procedure with Diagnostic Trouble Code (DTC).> 4) Read the DTC. <Ref. to ABS-19, READ CURRENT DATA, OPERATION, Subaru Select Monitor.> 5) Record all DTCs and frame data.	Is DTC displayed?	Go to step 4.	Go to step 3.
<b>3</b> <b>PERFORM THE GENERAL DIAGNOSTICS.</b> 1) Inspect using "General Diagnostics Table". <Ref. to ABS-149, General Diagnostics Table.> 2) Perform the clear memory mode. <Ref. to ABS-19, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.> 3) Perform the inspection mode. <Ref. to ABS-22, Inspection Mode.> 4) Calling up the DTC. <Ref. to ABS-18, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.> Check DTC is not displayed.	Is the ABS warning light turned off after ignition switch ON?	Complete the diagnosis.	Go to step 4.

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Step	Check	Yes	No
<b>4</b> <b>PERFORM THE DIAGNOSIS.</b> 1) For DTC list, refer to "List of Diagnostics Trouble Code (DTC)". <Ref. to ABS-27, WITH SUBARU SELECT MONITOR, LIST, List of Diagnostics Trouble Code (DTC).> 2) Repair trouble cause. 3) Perform the clear memory mode. <Ref. to ABS-19, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.> 4) Perform the inspection mode. <Ref. to ABS-22, Inspection Mode.> 5) Calling up the DTC. <Ref. to ABS-18, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is DTC displayed?	Inspect using "Diagnostics Procedure with Diagnostic Trouble Code (DTC)". <Ref. to ABS-80, Diagnostics Procedure with Diagnostic Trouble Code (DTC).>	Complete the diagnosis.