

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

Step	Value	Yes	No
<b>1 CHECK PRE-INSPECTION.</b> 1) Ask the customer when and how the trouble occurred using interview checklist. <Ref. to ABS-5, Check List for Interview.> 2) Before performing diagnosis, inspect unit which might influence the ABS problem. <Ref. to ABS-8, INSPECTION, General Description.> Is the component part that might influence the ABS problem normal?	Component part is normal.	Go to step 2.	Repair or replace each unit.
<b>2 CHECK INDICATION OF DIAGNOSTIC TROUBLE CODE (DTC).</b> Calling up diagnostic trouble code (DTC). <Ref. to ABS-19, Read Diagnostic Trouble Code (DTC).> Is ABS warning light normal?	ABS warning light is normal.	Go to step 3.	Inspect using diagnostic chart for ABS warning light failure.<Ref. to ABS-28, Diagnostics Chart with Diagnosis Connector.>  NOTE: Call up diagnostic trouble code (DTC) again after inspecting ABS warning light. <Ref. to ABS-19, Read Diagnostic Trouble Code (DTC).>
<b>3 CHECK DIAGNOSTIC TROUBLE CODE (DTC).</b> NOTE: Record all diagnostic trouble codes (DTC). Is only the start code displayed?	Only the start code displayed.	Go to step 4.	Go to step 5.

## ABS-2

**BASIC DIAGNOSTIC PROCEDURE**

ABS (DIAGNOSTICS)

Step	Value	Yes	No
<b>4 PERFORM THE GENERAL DIAGNOSTICS.</b> 1) Inspect using "General Diagnostics Table". <Ref. to ABS-145, General Diagnostics Table.> 2) Perform the clear memory mode. <Ref. to ABS-22, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3) Perform the inspection mode. <Ref. to ABS-21, Inspection Mode.> Calling up the diagnostic trouble code (DTC). <Ref. to ABS-19, Read Diagnostic Trouble Code (DTC).> Is only the start code displayed?	Only the start code displayed.	Complete the diagnosis.	Go to step 5.
<b>5 PERFORM THE DIAGNOSIS.</b> 1) Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to ABS-28, Diagnostics Chart with Diagnosis Connector.> NOTE: For diagnostic trouble code (DTC) list, refer to "List of Diagnostics Trouble Code (DTC)". <Ref. to ABS-24, WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostics Trouble Code (DTC).> 2) Repair trouble cause. 3) Perform the clear memory mode. <Ref. to ABS-22, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 4) Perform the inspection mode. <Ref. to ABS-21, Inspection Mode.> 5) Calling up the diagnostic trouble code (DTC). <Ref. to ABS-19, Read Diagnostic Trouble Code (DTC).> Is only the start code displayed?	Only the start code displayed.	Complete the diagnosis.	Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to ABS-28, Diagnostics Chart with Diagnosis Connector.>

**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 harness for broken wires or short circuits, shake it while holding it or the connector.
- Check list for interview. <Ref. to ABS-25, WITH SUBARU SELECT MONITOR, LIST, List of Diagnostics Trouble Code (DTC).>

Step	Value	Yes	No
<b>1 CHECK PRE-INSPECTION.</b> 1) Ask the customer when and how the trouble occurred using interview checklist. <Ref. to ABS-5, Check List for Interview.> 2) Before performing diagnosis, inspect unit which might influence the ABS problem. <Ref. to ABS-8, INSPECTION, General Description.> Is unit that might influence the ABS problem normal?	Component part is normal.	Go to step 2.	Repair or replace each unit.

**ABS-3**

## BASIC DIAGNOSTIC PROCEDURE

### ABS (DIAGNOSTICS)

Step	Value	Yes	No
<p><b>2 CHECK INDICATION OF TROUBLE CODE DISPLAY.</b></p> <ol style="list-style-type: none"> <li>1) Turn ignition switch to OFF.</li> <li>2) Connect the SUBARU SELECT MONITOR to data link connector.</li> <li>3) Turn ignition switch to ON and SUBARU SELECT MONITOR to ON.</li> </ol> <p>NOTE: If the communication function of the select monitor cannot be executed normally, check the communication circuit. &lt;Ref. to ABS-78, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostics Chart with Subaru Select Monitor.&gt;</p> <ol style="list-style-type: none"> <li>4) Read diagnostic trouble code (DTC). &lt;Ref. to ABS-17, READ CURRENT DATA, OPERATION, Subaru Select Monitor.&gt;</li> <li>5) Record all diagnostic trouble codes (DTC) and frame data. Is the DTC displayed?</li> </ol>	DTC not indicated.	Go to step 3.	Go to step 4.
<p><b>3 PERFORM THE GENERAL DIAGNOSTICS.</b></p> <ol style="list-style-type: none"> <li>1) Inspect using "General Diagnostics Table". &lt;Ref. to ABS-145, General Diagnostics Table.&gt;</li> <li>2) Perform the clear memory mode. &lt;Ref. to ABS-17, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.&gt;</li> <li>3) Perform the inspection mode. &lt;Ref. to ABS-21, Inspection Mode.&gt;</li> <li>4) Calling up the diagnostic trouble code (DTC). &lt;Ref. to ABS-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.&gt; Confirm that no DTC is displayed. Does ABS warning light remain off?</li> </ol>	ABS warning light remains off.	Complete the diagnosis.	Go to step 4.
<p><b>4 PERFORM THE DIAGNOSIS.</b></p> <ol style="list-style-type: none"> <li>1) Inspect using "Diagnostics Chart with Subaru Select Monitor". &lt;Ref. to ABS-78, Diagnostics Chart with Subaru Select Monitor.&gt;</li> </ol> <p>NOTE: For diagnostic trouble code (DTC) list, refer to "List of Diagnostics Trouble Code (DTC)". &lt;Ref. to ABS-24, WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostics Trouble Code (DTC).&gt;</p> <ol style="list-style-type: none"> <li>2) Repair trouble cause.</li> <li>3) Perform the clear memory mode. &lt;Ref. to ABS-17, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.&gt;</li> <li>4) Perform the inspection mode. &lt;Ref. to ABS-21, Inspection Mode.&gt;</li> <li>5) Calling up the diagnostic trouble code (DTC). &lt;Ref. to ABS-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.&gt; Confirm that no DTC is displayed. Does ABS warning light remain off?</li> </ol>	ABS warning light remains off.	Complete the diagnosis.	Inspect using "Diagnostics Chart with Subaru Select Monitor". <Ref. to ABS-<Ref. to ABS-78, Diagnostics Chart with Subaru Select Monitor.>, Diagnostics Chart with Subaru Select Monitor.>