

DIAGNOSTIC PROCEDURE

ABS (DIAGNOSTICS)

1. 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 the doubtful area or the connector.
- If the ABS warning light comes on, read and record the diagnostic trouble code (DTC) indicated by the ABS warning light.

Step	Check	Yes	No
1 CHECK PRE-INSPECTION. 1)Ask the customer when and how the trouble occurred using the 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?	The unit is normal.	Go to step 2.	Repair or replace each unit.
2 CHECK INDICATION OF DIAGNOSTIC TROUBLE CODE (DTC). Read out DTC. <Ref. to ABS-22, Read Diagnostic Trouble Codes (DTC).> Is the ABS warning light normal?	The ABS warning light is normal.	Go to step 3.	Inspect using diagnostic chart for ABS warning light failure. <Ref. to ABS-30, Diagnosis Chart with Diagnosis connector.> NOTE: Read out DTC again after inspecting ABS warning light. <Ref. to ABS-22, Read Diagnostic Trouble Codes (DTC).>
3 CHECK DIAGNOSTIC TROUBLE CODE (DTC). Record all DTCs. Is only the start code issued?	Only the start code is issued.	Go to step 4.	Go to step 5.
4 PERFORM GENERAL DIAGNOSTICS. 1)Inspect using the "General Diagnostics Table". <Ref. to ABS-163, General Diagnostics Table.> 2)Perform the clear memory mode. <Ref. to ABS-24, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3)Perform the inspection mode. <Ref. to ABS-23, Inspection Mode.> Read out DTC. <Ref. to ABS-22, Read Diagnostic Trouble Codes (DTC).> Is only the start code issued?	Only the start code is issued.	Finish the diagnosis.	Go to step 5.

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5 PERFORM THE DIAGNOSIS. 1)Repair trouble cause. NOTE: For DTC list, refer to "List of Diagnostics Trouble Codes (DTC)". <Ref. to ABS-26, WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Codes (DTC).> 2)Perform the clear memory mode. <Ref. to ABS-24, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3)Perform the inspection mode. <Ref. to ABS-23, Inspection Mode.> 4)Read out DTC. <Ref. to ABS-22, Read Diagnostic Trouble Codes (DTC).> Is only the start code issued?	Only the start code is issued.	Finish the diagnosis.	Repeat step 5 until only start code is issued.

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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 the doubtful area or the connector.
- Check list for interview. <Ref. to ABS-6, Check List for Interview..>

Step	Check	Yes	No
1 CHECK PRE-INSPECTION. 1)Ask the customer when and how the trouble occurred using the 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?	The unit is normal.	Go to step 2.	Repair or replace each unit.
2 CHECK INDICATION OF DIAGNOSTIC TROUBLE CODE (DTC) ON DISPLAY. 1)Turn ignition switch to OFF. 2)Connect the Subaru Select Monitor to data link connector. 3)Turn ignition switch to ON and Subaru Select Monitor to ON. NOTE: If the communication function of the Subaru Select Monitor does not operate normally, check communication circuit. <Ref. to ABS-86, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Chart with Subaru Select Monitor.> 4)Read out DTC. <Ref. to ABS-19, READ CURRENT DATA, OPERATION, Subaru Select Monitor.> 5)Record all DTCs and frame data. Is DTC displayed?	DTC is not displayed.	Go to step 3.	Go to step 4.
3 PERFORM GENERAL DIAGNOSTICS. 1)Inspect using the "General Diagnostics Table". <Ref. to ABS-163, 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-23, Inspection Mode.> 4)Read out DTC. <Ref. to ABS-18, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.> Check that DTC is not displayed. Is the ABS warning light turned off?	ABS warning light is turned off.	Finish the diagnosis.	Go to step 4.

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4	<p>PERFORM THE DIAGNOSIS.</p> <p>1)Refer to the "List of Diagnostics Trouble Codes (DTC)". <Ref. to ABS-28, WITH SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Codes (DTC).></p> <p>2)Repair trouble cause.</p> <p>3)Perform the clear memory mode. <Ref. to ABS-19, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.></p> <p>4)Perform the inspection mode. <Ref. to ABS-23, Inspection Mode.></p> <p>5)Read out DTC. <Ref. to ABS-18, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.></p> <p>Check that DTC is not displayed.</p> <p>Is the ABS warning light turned off?</p>	<p>ABS warning light is turned off.</p>	<p>Finish the diagnosis.</p> <p>Inspect using the "Diagnostics Chart with Subaru Select Monitor". <Ref. to ABS-86, Diagnostic Chart with Subaru Select Monitor.></p>