

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 DTC indicated by ABS warning light.

Step	Check	Yes	No
1 CHECK PRE-INSPECTION. 1)Ask the customer when and how trouble occurred using interview checklist. <Ref. to ABS-4, Check List for Interview.> 2)Before performing diagnosis, inspect the unit which might influence ABS problem. <Ref. to ABS-8, INSPECTION, General Description.>	Is the unit that might influence the ABS problem normal?	Go to step 2.	Repair or replace each unit.
2 CHECK INDICATION OF DTC. Calling up the DTC. <Ref. to ABS-19, Read Diagnostic Trouble Code (DTC).> Record all DTCs.	Is only the start code issued?	Go to step 3.	Go to step 4.
3 PERFORM THE GENERAL DIAGNOSTICS. 1)Inspect using "General Diagnostics Table". <Ref. to ABS-159, General Diagnostics Table.> 2)Perform the clear memory mode. <Ref. to ABS-21, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3)Perform the inspection mode. <Ref. to ABS-20, Inspection Mode.> Calling up the DTC. <Ref. to ABS-19, Read Diagnostic Trouble Code (DTC).>	Is only the start code issued?	Complete the diagnosis.	Go to step 4.
4 PERFORM THE DIAGNOSIS. 1)Repair trouble cause. NOTE: For DTC list, refer to "List of DTC".<Ref. to ABS-23, WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Code (DTC).> 2)Perform the clear memory mode. <Ref. to ABS-21, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3)Perform the inspection mode. <Ref. to ABS-20, Inspection Mode.> 4)Calling up the DTC. <Ref. to ABS-19, Read Diagnostic Trouble Code (DTC).>	Is only the start code issued?	Complete the diagnosis.	Repeat the step 4 until only start code is issued.

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.

BASIC DIAGNOSTIC PROCEDURE

ABS (DIAGNOSTICS)

- Check list for interview. <Ref. to ABS-4, Check List for Interview.>

Step	Check	Yes	No
1 CHECK PRE-INSPECTION. 1)Ask the customer when and how trouble occurred using interview checklist. <Ref. to ABS-4, Check List for Interview.> 2)Before performing diagnosis, inspect the unit which might influence the ABS problem. <Ref. to ABS-8, INSPECTION, General Description.>	Is the unit that might influence the ABS problem normal?	Go to step 2.	Repair or replace each unit.
2 CHECK INDICATION OF DTC DISPLAY. 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. NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check communication circuit. <Ref. to ABS-79, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostics Procedure with Subaru Select Monitor.> 4)Read the DTC. <Ref. to ABS-17, READ CURRENT DATA, OPERATION, Subaru Select Monitor.> 5)Record all DTCs and freeze frame data.	Is the DTC displayed?	Go to step 4.	Go to step 3.
3 PERFORM THE GENERAL DIAGNOSTICS. 1)Inspect using "General Diagnostics Table". <Ref. to ABS-159, General Diagnostics Table.> 2)Perform the clear memory mode. <Ref. to ABS-17, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.> 3)Perform the inspection mode. <Ref. to ABS-20, Inspection Mode.> 4)Calling up the DTC. <Ref. to ABS-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.> Check DTC is not displayed.	Is the ABS warning light turned off after ignition switch OFF?	Complete the diagnosis.	Inspect using "diagnostics procedure for No DTC". <Ref. to ABS-82, NO TROUBLE CODE.>
4 PERFORM THE DIAGNOSIS. 1)For the DTC list, refer to "List of DTC". <Ref. to ABS-24, WITH SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Code (DTC).> 2)Repair trouble cause. 3)Perform the clear memory mode. <Ref. to ABS-17, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.> 4)Perform the inspection mode. <Ref. to ABS-20, Inspection Mode.> 5)Calling up the DTC. <Ref. to ABS-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Are the DTCs indicated on display?	Inspect using "diagnostics procedure with Subaru Select Monitor". <Ref. to ABS-79, Diagnostics Procedure with Subaru Select Monitor.>	Complete the diagnosis.