1. Basic Diagnostic Procedure *S006501*

A: PROCEDURE *S006501E45*

1. WITHOUT SUBARU SELECT MONITOR *S006501E4501*

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.

No.	Step	Check	Yes	No
1	**CHECK PRE-INSPECTION.** 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?	Go to step **2**.	Repair or replace each unit.
2	**CHECK INDICATION OF TROUBLE CODE (DTC).** Calling up diagnostic trouble code (DTC). <Ref. to ABS-18, Read Diagnostic Trouble Code (DTC).>	Is diagnostic trouble code (DTC) readable?	Go to step **3**.	Inspect using diagnostic chart for ABS warning light failure. <Ref. to ABS-26, Diagnostics Chart with Diagnosis Connector.> NOTE: Call up diagnostic trouble code (DTC) again after inspecting ABS warning light. <Ref. to ABS-18, Read Diagnostic Trouble Code (DTC).>
3	**CHECK TROUBLE CODE.** NOTE: Record all diagnostic trouble codes (DTCs).	Is only the start code issued?	Go to step **4**.	Go to step **5**.
4	**PERFORM THE GENERAL DIAGNOSTICS.** 1) Inspect using "General Diagnostics Table". <Ref. to ABS-155, 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 diagnostic trouble code (DTC). <Ref. to ABS-18, Read Diagnostic Trouble Code (DTC).>	Is only the start code issued?	Complete the diagnosis.	Go to step **5**.

No.	Step	Check	Yes	No
5	**PERFORM THE DIAGNOSIS.** 1) Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to ABS-26, Diagnostics Chart with Diagnosis Connector.> NOTE: For diagnostic trouble code (DTC) list, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to ABS-23, WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Code (DTC).> 2) Repair trouble cause. 3) Perform the clear memory mode. <Ref. to ABS-21, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 4) Perform the inspection mode. <Ref. to ABS-20, Inspection Mode.> 5) Calling up the diagnostic trouble code (DTC). <Ref. to ABS-18, Read Diagnostic Trouble Code (DTC).>	Is only the start code issued?	Complete the diagnosis.	Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to ABS-26, Diagnostics Chart with Diagnosis Connector.>

2. WITH SUBARU SELECT MONITOR *S006501E4502*

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-24, WITH SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Code (DTC).>

No.	Step	Check	Yes	No
1	**CHECK PRE-INSPECTION.** 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?	Go to step **2**.	Repair or replace each unit.
2	**CHECK INDICATION OF TROUBLE CODE 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 select monitor cannot be executed normally, check the communication circuit. <Ref. to ABS-80, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostics Chart with Subaru Select Monitor.> 4) Read diagnostic trouble code (DTC). <Ref. to ABS-17, READ CURRENT DATA, OPERATION, Subaru Select Monitor.> 5) Record all diagnostic trouble codes (DTCs) and frame data.	Is the corresponding trouble encoding?	Go to step **3**.	Go to step **4**.

No.	Step	Check	Yes	No
3	**PERFORM THE GENERAL DIAGNOSTICS.** 1) Inspect using "General Diagnostics Table". <Ref. to ABS-155, 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 diagnostic trouble code (DTC). <Ref. to ABS-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is no trouble code designated and does ABS warning light go out after turning on?	Complete the diagnosis.	Go to step **4**.
4	**PERFORM THE DIAGNOSIS.** 1) Inspect using "Diagnostics Chart with Subaru Select Monitor". <Ref. to ABS-80, Diagnostics Chart with Subaru Select Monitor.> NOTE: For diagnostic trouble code (DTC) list, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to ABS-23, WITHOUT 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 diagnostic trouble code (DTC). <Ref. to ABS-16, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is no diagnostic trouble code (DTC) designated and does ABS warning light go out after turning on?	Complete the diagnosis.	Inspect using "Diagnostics Chart with Subaru Select Monitor". <Ref. to ABS-80, Diagnostics Chart with Subaru Select Monitor.>