1. Basic Diagnostic Procedure *S005501*

A: PROCEDURE *S005501E45*

CAUTION:
Remove foreign matter (dust, water, etc.) from the VDCCM 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 and/or VDC warning light illuminates, read and record trouble code indicated by ABS warning light.

1. WITHOUT SUBARU SELECT MONITOR *S005501E4501*

No.	Step	Check	Yes	No
1	**CHECK PRE-INSPECTION.** 1) Ask the customer when and how the trouble occurred using interview checklist. <Ref. to VDC-5, Check List for Interview.> 2) Before performing diagnosis, inspect unit which might influence the VDC problem. <Ref. to VDC-8, INSPECTION, General Description.>	Is unit that might influence the VDC problem normal?	Go to step **2**.	Repair or replace each unit.
2	**CHECK INDICATION OF DIAGNOSTIC TROUBLE CODE (DTC).** Calling up diagnostic trouble code (DTC). <Ref. to VDC-21, WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code (DTC).>	Is diagnostic trouble code (DTC) readable?	Go to step **3**.	Inspect using diagnostic chart for warning light failure. <Ref. to VDC-34, Diagnostics Chart with Diagnosis Connector.> NOTE: Call up diagnostic trouble code (DTC) again after inspecting warning light. <Ref. to VDC-21, WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code (DTC).>
3	**CHECK DIAGNOSTIC TROUBLE CODE (DTC).** NOTE: Record all trouble codes.	Is only the start code issued?	Go to step **4**.	Go to step **5**.

VDC-2

No.	Step	Check	Yes	No
4	**PERFORM THE GENERAL DIAGNOSTICS.** 1) Inspect using "General Diagnostics Table". <Ref. to VDC-257, General Diagnostic Table.> 2) Perform the clear memory mode. <Ref. to VDC-24, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3) Perform the inspection mode. <Ref. to VDC-23, Inspection Mode.> Calling up the diagnostic trouble code (DTC). <Ref. to VDC-21, WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code (DTC).>	Is only the start code issued?	Complete the diagnosis.	Go to step **5**.
5	**PERFORM THE DIAGNOSIS.** 1) Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to VDC-34, Diagnostics Chart with Diagnosis Connector.> NOTE: For diagnostic trouble code (DTC) list, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to VDC-26, WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Code (DTC).> 2) Repair trouble cause. 3) Perform the clear memory mode. <Ref. to VDC-24, WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 4) Perform the inspection mode. <Ref. to VDC-23, Inspection Mode.> 5) Calling up the diagnostic trouble code (DTC). <Ref. to VDC-21, WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code (DTC).>	Is only the start code issued?	Complete the diagnosis.	Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to VDC-34, Diagnostics Chart with Diagnosis Connector.>

2. WITH SUBARU SELECT MONITOR   S005501E4502

CAUTION:
Remove foreign matter (dust, water, etc.) from the VDCCM 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 VDC-5, Check List for Interview.>

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

No.	Step	Check	Yes	No
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. 4) Calling up the diagnostic trouble code (DTC). <Ref. to VDC-22, WITH SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code (DTC).> 5) Record all diagnostic trouble codes (DTCs) and frame data.	Is the corresponding trouble encoding?	Go to step **3**.	Go to step **4**.
3	**PERFORM THE GENERAL DIAGNOSTICS.** 1) Inspect using "General Diagnostics Table". <Ref. to VDC-257, INSPECTION, General Diagnostic Table.> 2) Perform the clear memory mode. <Ref. to VDC-24, WITH SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 3) Perform the inspection mode. <Ref. to VDC-23, OPERATION, Inspection Mode.> 4) Calling up the diagnostic trouble code (DTC). <Ref. to VDC-22, WITH SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code (DTC).>	Is no diagnostic trouble code (DTC) designated or do VDC and ABS warning lights constantly remain on?	Complete the diagnosis.	Go to step **4**.
4	**PERFORM THE DIAGNOSIS.** 1) Inspect using "Diagnostics Chart with Subaru Select Monitor". <Ref. to VDC-130, Diagnostics Chart with Select Monitor.> NOTE: For diagnostic trouble code (DTC) list, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to VDC-29, WITH SUBARU SELECT MONITOR, LIST, List of Diagnostic Trouble Code (DTC).> 2) Repair trouble cause. 3) Perform the clear memory mode. <Ref. to VDC-24, WITH SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 4) Perform the inspection mode. <Ref. to VDC-23, OPERATION, 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 or do VDC and ABS warning lights constantly remain on?	Complete the diagnosis.	Inspect using "Diagnostics Chart with Subaru Select Monitor". <Ref. to VDC-130, Diagnostics Chart with Select Monitor.>