

BASIC DIAGNOSTIC PROCEDURE

VDC (DIAGNOSTICS)

1. Basic Diagnostic Procedure

S005501

A: PROCEDURE S005501E45

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 TROUBLE CODE. Calling up trouble code. <Ref. to VDC-22 WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.>	Is trouble code 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 trouble code again after inspecting warning light. <Ref. to VDC-22 WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.>
3	CHECK TROUBLE CODE. NOTE: Record all trouble codes.	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 VDC-251 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 trouble code. <Ref. to VDC-22 WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.>	Is only the start code issued?	Complete the diagnosis.	Go to step 5.

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5	<p>PERFORM THE DIAGNOSIS.</p> <p>1) Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to VDC-34 Diagnostics Chart with Diagnosis Connector.></p> <p>NOTE: For trouble code list, refer to "List of Diagnostics Trouble Code". <Ref. to VDC-26 WITHOUT SUBARU SELECT MONITOR, LIST, List of Diagnostics Trouble Code.></p> <p>2) Repair trouble cause.</p> <p>3) Perform the clear memory mode. <Ref. to VDC-24 WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.></p> <p>4) Perform the inspection mode. <Ref. to VDC-23 Inspection Mode.></p> <p>5) Calling up the trouble code. <Ref. to VDC-22 WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.></p>	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.>

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.

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2. WITH SUBARU SELECT MONITOR S005501E4502

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 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 trouble code. <Ref. to VDC-22 WITH SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.> 5) Record all trouble codes 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-251 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 trouble code. <Ref. to VDC-22 WITH SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.>	Is no trouble code 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-126 Diagnostics Chart with Select Monitor.> NOTE: For trouble code list, refer to "List of Diagnostics Trouble Code". <Ref. to VDC-29 WITH SUBARU SELECT MONITOR, LIST, List of Diagnostics Trouble Code.> 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 trouble code. <Ref. to ABS-16 READ DIAGNOSTIC TROUBLE CODE, OPERATION, Subaru Select Monitor.>	Is no trouble code 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-126 Diagnostics Chart with Select Monitor.>

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.>