

Basic Diagnostic Procedure

CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

Step	Check	Yes	No
1 CHECK PRE-INSPECTION. 1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to CVT(diag)-4, Check List for Interview.> 2) Before performing diagnostics, check the following items which might affect CVT problems. <ul style="list-style-type: none">• General inspection <Ref. to CVT(diag)-5, INSPECTION, General Description.>• Disconnection of harness connector• Visual check for harness damage• Oil leakage• Stall speed test <Ref. to CVT-45, Stall Test.>• Secondary pressure test <Ref. to CVT-47, Secondary Pressure (Line Pressure) Test.>• Transfer clutch pressure test <Ref. to CVT-50, Transfer Clutch Pressure Test.>• Time lag test <Ref. to CVT-46, Time Lag Test.>• Road test <Ref. to CVT-44, Road Test.>• Inhibitor switch <Ref. to CVT-90, Inhibitor Switch.>	Is the item that is thought to influence the CVT problem working properly?	Go to step 2.	Repair the items which may be affecting the CVT trouble.
2 CHECK AT OIL TEMP LIGHT. Turn the ignition switch to ON and wait for at least 2 seconds.	Does the AT OIL TEMP light illuminate?	Go to step 3.	Check the AT OIL TEMP light.
3 CHECK AT OIL TEMP LIGHT. Start the engine and wait for 2 seconds or more.	Does the AT OIL TEMP light blink?	Go to step 4.	Go to step 6.
4 CHECK FOR ANY OTHER DTC ON DISPLAY. Read the DTC. NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to CVT(diag)-27, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.>	Is DTC displayed on Subaru Select Monitor?	Record all DTC. Go to step 5.	Go to step 6.
5 CHECK FREEZE FRAME DATA. Using the Subaru Select Monitor, check the Freeze Frame Data.	Are freeze frame data recorded?	Record the freeze frame data. Go to step 7.	Go to step 7.
6 PERFORM GENERAL DIAGNOSTICS. 1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to CVT(diag)-84, Diagnostic Procedure without Diagnostic Trouble Code (DTC).> 2) Inspect using "Diagnostics with Phenomenon". <Ref. to CVT(diag)-85, Diagnostics with Phenomenon.> 3) Perform the Inspection Mode. <Ref. to CVT(diag)-20, Inspection Mode.> 4) Read the DTC.	Is DTC displayed on Subaru Select Monitor?	Go to step 7.	Finish the diagnosis.

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7 PERFORM DIAGNOSIS. 1) Inspect by referring to “Diagnostic Procedure with Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> NOTE: For the DTC table, refer to “List of Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-29, List of Diagnostic Trouble Code (DTC).> 2) Repair the trouble cause. 3) Perform the Clear Memory Mode. 4) Perform the Inspection Mode. <Ref. to CVT(diag)-20, Inspection Mode.> 5) Read the DTC.	Is DTC displayed on Subaru Select Monitor?	Inspect by referring to “Diagnostic Procedure with Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.