

# Basic Diagnostic Procedure

## CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

### 1. Basic Diagnostic Procedure

#### A: PROCEDURE

Step	Check	Yes	No
<b>1 CHECK PRE-INSPECTION.</b> 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"><li>• General inspection &lt;Ref. to CVT(diag)-5, INSPECTION, General Description.&gt;</li><li>• Disconnection of harness connector</li><li>• Visual check for harness damage</li><li>• Oil leakage</li><li>• Stall speed test &lt;Ref. to CVT-47, Stall Test.&gt;</li><li>• Secondary pressure test &lt;Ref. to CVT-50, Secondary Pressure (Line Pressure) Test.&gt;</li><li>• Transfer clutch pressure test &lt;Ref. to CVT-53, Transfer Clutch Pressure Test.&gt;</li><li>• Time lag test &lt;Ref. to CVT-49, Time Lag Test.&gt;</li><li>• Road test &lt;Ref. to CVT-46, Road Test.&gt;</li><li>• Inhibitor switch &lt;Ref. to CVT-94, Inhibitor Switch.&gt;</li></ul>	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.
<b>2 CHECK AT OIL TEMP LIGHT.</b> 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.
<b>3 CHECK AT OIL TEMP LIGHT.</b> 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.
<b>4 CHECK FOR ANY OTHER DTC ON DISPLAY.</b> Read the DTC. NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to CVT(diag)-28, 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.
<b>5 CHECK FREEZE FRAME DATA.</b> 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.
<b>6 PERFORM GENERAL DIAGNOSTICS.</b> 1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to CVT(diag)-89, Diagnostic Procedure without Diagnostic Trouble Code (DTC).> 2) Inspect using "Diagnostics with Phenomenon". <Ref. to CVT(diag)-90, Diagnostics with Phenomenon.> 3) Perform the Inspection Mode. <Ref. to CVT(diag)-19, 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 <b>PERFORM DIAGNOSIS.</b> 1) Inspect by referring to “Diagnostic Procedure with Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-35, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  NOTE: For the DTC table, refer to “List of Diagnostic Trouble Code (DTC)”. <Ref. to CVT(diag)-32, 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)-19, 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)-35, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.