

# 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(TR580)-46, Stall Test.&gt; &lt;Ref. to CVT(TR690)-49, Stall Test.&gt;</li> <li>• Secondary pressure test&lt;Ref. to CVT(TR580)-48, Secondary Pressure (Line Pressure) Test.&gt; &lt;Ref. to CVT(TR690)-51, Secondary Pressure (Line Pressure) Test.&gt;</li> <li>• Transfer clutch pressure test&lt;Ref. to CVT(TR580)-51, Transfer Clutch Pressure Test.&gt; &lt;Ref. to CVT(TR690)-54, Transfer Clutch Pressure Test.&gt;</li> <li>• Time lag test&lt;Ref. to CVT(TR580)-47, Time Lag Test.&gt; &lt;Ref. to CVT(TR690)-50, Time Lag Test.&gt;</li> <li>• Road test&lt;Ref. to CVT(TR580)-45, Road Test.&gt; &lt;Ref. to CVT(TR690)-47, Road Test.&gt;</li> <li>• Inhibitor switch&lt;Ref. to CVT(TR580)-90, Inhibitor Switch.&gt; &lt;Ref. to CVT(TR690)-92, 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 5.
<b>4 CHECK DTC 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)-37, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.>	Is DTC displayed on Subaru Select Monitor?	Record the DTC, time stamp and freeze frame data. Go to step 6. NOTE: <ul style="list-style-type: none"> <li>• For the time stamp, refer to LAN section.&lt;Ref. to LAN(diag)-6, TIME STAMP, CAUTION, General Description.&gt;</li> <li>• Depending on DTCs, time stamp may not be stored.</li> </ul>	Go to step 5.

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Step	Check	Yes	No
<b>5</b> <b>PERFORM GENERAL DIAGNOSTICS.</b> 1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)".<Ref. to CVT(diag)-154, Diagnostic Procedure without Diagnostic Trouble Code (DTC).> 2) Inspect using "Diagnostics with Phenomenon".<Ref. to CVT(diag)-155, Diagnostics with Phenomenon.> 3) Perform the Inspection Mode.<Ref. to CVT(diag)-25, Inspection Mode.> 4) Read the DTC.	Is DTC displayed on Subaru Select Monitor?	Go to step 6.	Finish the diagnosis.
<b>6</b> <b>PERFORM DIAGNOSIS.</b> 1) Inspect by referring to "Diagnostic Procedure with Diagnostic Trouble Code (DTC)".<Ref. to CVT(diag)-44, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> NOTE: For the DTC table, refer to "List of Diagnostic Trouble Code (DTC)".<Ref. to CVT(diag)-40, 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)-25, 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)-44, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.