

Basic Diagnostic Procedure

CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

Step	Check	Yes	No
<p>1 CHECK PRE-INSPECTION. 1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to CVT(HEV)(diag)-4, Check List for Interview.> 2) Before performing diagnostics, check the following items which might affect CVT problems.</p> <ul style="list-style-type: none"> • General inspection <Ref. to CVT(HEV)(diag)-5, INSPECTION, General Description.> • Disconnection of harness connector • Visual check for harness damage • Oil leakage • Stall test <Ref. to CVT(TH58A)-52, Stall Test.> • Secondary pressure test <Ref. to CVT(TH58A)-54, Secondary Pressure (Line Pressure) Test.> • Output clutch pressure test <Ref. to CVT(TH58A)-57, Output Clutch Pressure Test.> • Transfer clutch pressure test <Ref. to CVT(TH58A)-60, Transfer Clutch Pressure Test.> • Time lag test <Ref. to CVT(TH58A)-53, Time Lag Test.> • Road test <Ref. to CVT(TH58A)-50, Road Test.> • Inhibitor switch <Ref. to CVT(TH58A)-97, Inhibitor Switch.> • Electric oil pump inspection mode <Ref. to CVT(TH58A)-141, INSPECTION, Electric Fluid Pump.> 	<p>Is the item that is thought to influence the CVT problem working properly?</p>	<p>Go to step 2.</p>	<p>Repair the items which may be affecting the CVT trouble.</p>
<p>2 CHECK AT OIL TEMP LIGHT. Turn the ignition switch to ON and wait for at least 2 seconds.</p>	<p>Does the AT OIL TEMP light illuminate?</p>	<p>Go to step 3.</p>	<p>Check the AT OIL TEMP light.</p>
<p>3 CHECK AT OIL TEMP LIGHT. Start the engine and wait for 2 seconds or more.</p>	<p>Does the AT OIL TEMP light blink?</p>	<p>Go to step 4.</p>	<p>Go to step 5.</p>
<p>4 CHECK DTC DISPLAY. Read the DTC. NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to CVT(HEV)(diag)-32, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.></p>	<p>Is DTC displayed on Subaru Select Monitor?</p>	<p>Record the DTC, time stamp and freeze frame data. Go to step 6. NOTE: • For the time stamp, refer to LAN section. <Ref. to LAN(HEV)(diag)-6, TIME STAMP, CAUTION, General Description.> • Depending on DTCs, time stamp may not be stored.</p>	<p>Go to step 5.</p>

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Step	Check	Yes	No
<p>5 PERFORM GENERAL DIAGNOSTICS.</p> <p>1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to CVT(HEV)(diag)-165, Diagnostic Procedure without Diagnostic Trouble Code (DTC).></p> <p>2) Inspect using "Diagnostics with Phenomenon". <Ref. to CVT(HEV)(diag)-166, Diagnostics with Phenomenon.></p> <p>3) Perform the Inspection Mode. <Ref. to CVT(HEV)(diag)-21, Inspection Mode.></p> <p>4) Read the DTC.</p>	<p>Is DTC displayed on Subaru Select Monitor?</p>	<p>Go to step 6.</p>	<p>Finish the diagnosis.</p>
<p>6 PERFORM DIAGNOSIS.</p> <p>1) Inspect by referring to "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to CVT(HEV)(diag)-42, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p>NOTE: For the DTC table, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to CVT(HEV)(diag)-34, List of Diagnostic Trouble Code (DTC).></p> <p>2) Repair the trouble cause.</p> <p>3) Perform the Clear Memory Mode.</p> <p>4) Perform the Inspection Mode. <Ref. to CVT(HEV)(diag)-21, Inspection Mode.></p> <p>5) Read the DTC.</p>	<p>Is DTC displayed on Subaru Select Monitor?</p>	<p>Inspect by referring to "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to CVT(HEV)(diag)-42, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p>	<p>Finish the diagnosis.</p>