

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(TR580)-46, Stall Test.> <Ref. to CVT(TR690)-49, Stall Test.>• Secondary pressure test<Ref. to CVT(TR580)-48, Secondary Pressure (Line Pressure) Test.> <Ref. to CVT(TR690)-51, Secondary Pressure (Line Pressure) Test.>• Transfer clutch pressure test<Ref. to CVT(TR580)-51, Transfer Clutch Pressure Test.> <Ref. to CVT(TR690)-54, Transfer Clutch Pressure Test.>• Time lag test<Ref. to CVT(TR580)-47, Time Lag Test.> <Ref. to CVT(TR690)-50, Time Lag Test.>• Road test<Ref. to CVT(TR580)-45, Road Test.> <Ref. to CVT(TR690)-47, Road Test.>• Inhibitor switch<Ref. to CVT(TR580)-90, Inhibitor Switch.> <Ref. to CVT(TR690)-92, 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 5.
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(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">• For the time stamp, refer to LAN section.<Ref. to LAN(diag)-6, TIME STAMP, CAUTION, General Description.>• Depending on DTCs, time stamp may not be stored.	Go to step 5.

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Step	Check	Yes	No	
5	PERFORM GENERAL DIAGNOSTICS. <ol style="list-style-type: none"> 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.
6	PERFORM DIAGNOSIS. <ol style="list-style-type: none"> 1) Inspect by referring to "Diagnostic Procedure with Diagnostic Trouble Code (DTC)".<Ref. to CVT(diag)-44, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <p data-bbox="338 316 378 329">NOTE:</p> <p data-bbox="338 333 378 346">For the DTC table, refer to "List of Diagnostic Trouble Code (DTC)".<Ref. to CVT(diag)-40, List of Diagnostic Trouble Code (DTC).></p> <ol style="list-style-type: none"> 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.