

Basic Diagnostic Procedure

AUTOMATIC 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 4AT(diag)-4, Check List for Interview.> 2) Check the following items which may be affecting the AT trouble. • General Inspection <Ref. to 4AT(diag)-5, INSPECTION, General Description.> • Disconnection of harness connector • Visual check for harness damage • Oil leakage • Stall speed test <Ref. to 4AT-30, Stall Test.> • Line pressure test <Ref. to 4AT-32, Line Pressure Test.> • Transfer clutch pressure test <Ref. to 4AT-33, Transfer Clutch Pressure Test.> • Time lag test <Ref. to 4AT-31, Time Lag Test.> • Road test <Ref. to 4AT-29, Road Test.> • Inhibitor switch <Ref. to 4AT-46, Inhibitor Switch.>	Is the item that is thought to influence the AT problem working properly?	Go to step 2.	Repair or replace each item.
2 ATF TEMPERATURE WARNING LIGHT INSPECTION. Turn the ignition switch to ON and wait for at least 2 seconds.	Does the ATF temperature warning light illuminate?	Go to step 3.	Check the ATF temperature warning light.
3 ATF TEMPERATURE WARNING LIGHT INSPECTION. Start the engine and wait for 2 seconds or more.	Is the ATF temperature warning light blinking?	Go to step 4.	Go to step 5.
4 CHECK DTC. Display the DTC. NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to 4AT(diag)-25, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.>	Is DTC displayed on the Subaru Select Monitor?	Go to step 6. NOTE: Record all DTC.	Go to step 5.
5 PERFORM GENERAL DIAGNOSTICS. 1) Inspect by referring to "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to 4AT(diag)-80, Diagnostic Procedure without Diagnostic Trouble Code (DTC).> 2) Inspect by referring to "Diagnostics with Phenomenon". <Ref. to 4AT(diag)-88, Diagnostics with Phenomenon.> 3) Perform the Inspection Mode. <Ref. to 4AT(diag)-19, Inspection Mode.> 4) Display the DTC.	Is DTC displayed on the Subaru Select Monitor?	Go to step 6.	Finish the diagnosis.

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Step	Check	Yes	No
6 PERFORM DIAGNOSIS. 1) Inspect by referring to the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to 4AT(diag)-31, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> NOTE: For the DTC table, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to 4AT(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 4AT(diag)-19, Inspection Mode.> 5) Display the DTC.	Is DTC displayed on the Subaru Select Monitor?	Inspect by referring to the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to 4AT(diag)-31, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.