

BASIC DIAGNOSTIC PROCEDURE

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

NOTE:

This section is specified for H4DOTC engine model.

Step	Check	Yes	No
1 CHECK PRE-INSPECTION. 1) Ask the customer when and how trouble occurred using interview checklist. <Ref. to 4AT(D)-4, Check List for Interview.> 2) Before performing the diagnosis, inspect following items which might influence the AT problems. • General inspection <Ref. to 4AT(D)-5, INSPECTION.> • Oil leak • Check each harness connector to ensure it is connected securely. • Visually check harness for any damage. • Stall speed test <Ref. to 4AT-34, Stall Test.> • Line pressure test <Ref. to 4AT-36, Line Pressure Test.> • Transfer clutch pressure test <Ref. to 4AT-38, Transfer Clutch Pressure Test.> • Time lag test <Ref. to 4AT-35, Time Lag Test.> • Road test <Ref. to 4AT-33, Road Test.> • Inhibitor switch <Ref. to 4AT-50, Inhibitor Switch.>	Is the unit that might influence AT problem normal?	Go to step 2.	Repair or replace each item.
2 CHECK AT OIL TEMP WARNING LIGHT. Turn the ignition switch to ON.	Does the AT OIL TEMP warning light turn on?	Go to step 4.	Go to step 3.
3 CHECK AT OIL TEMP WARNING LIGHT. 1) Turn the ignition switch to OFF. 2) Repair the AT OIL TEMP warning light or power supply and ground line circuit. <Ref. to 4AT(D)-24, Diagnostic Procedure for "AT OIL TEMP" Warning Light.> 3) Turn the ignition switch to ON.	Does the AT OIL TEMP warning light blink?	Go to step 4.	Go to step 5.
4 READ OF DTC. Calling up the DTC. NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to 4AT(D)-30, COMMUNICATION FOR INITIALIZING IMPOSSIBLE.>	Is the DTC displayed?	Go to step 6. NOTE: Record all DTC.	Go to step 5.
5 PERFORM THE GENERAL DIAGNOSTICS. 1) Inspect using "Diagnostics Procedure without Diagnostic Trouble Code (DTC)".<Ref. to 4AT(D)-116, Diagnostic Procedure without Diagnostic Trouble Code (DTC).> 2) Inspect using "Symptom Related Diagnostic". <Ref. to 4AT(D)-124, Symptom and Related Malfunction.> 3) Perform the inspection mode. <Ref. to 4AT(D)-18, Inspection Mode.> 4) Calling up the DTC.	Is the DTC displayed?	Go to step 6.	Complete the diagnosis.

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	Step	Check	Yes	No
6	<p>PERFORM THE DIAGNOSIS.</p> <p>1) Inspect using "Diagnostics Procedure with DTC". <Ref. to 4AT(D)-33, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p>NOTE: For DTC table, refer to "List of DTC". <Ref. to 4AT(D)-21, List of Diagnostic Trouble Code (DTC).></p> <p>2) Repair the trouble cause. 3) Perform the clear memory mode. 4) Perform the inspection mode. <Ref. to 4AT(D)-18, Inspection Mode.> 5) Calling up the DTC.</p>	Is the DTC displayed?	Inspect using "Diagnostics procedure with Subaru Select Monitor". <Ref. to 4AT(D)-33, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Complete the diagnosis.