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) Before performing diagnosis, inspect the following items which may influence AT problems. • 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-45, Inhibitor Switch.>	Is the unit 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.** Start the engine and wait for 2 seconds or more.	Is the ATF temperature warning light blinking?	Go to step **4**.	Go to step **3**.
3	**ATF TEMPERATURE WARNING LIGHT INSPECTION.** 1) Turn the ignition switch to OFF. 2) Check the ATF temperature warning light. <Ref. to 4AT(diag)-22, INSPECTION, AT Oil Temp Warning Light Display.> 3) Turn the ignition switch to ON and wait for at least 2 seconds. 4) Start the engine.	Is the ATF temperature warning light blinking?	Go to step **4**.	Go to step **5**.
4	**CHECK DTC.** Display DTC. NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check communication circuit. <Ref. to 4AT(diag)-24, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.>	Is DTC displayed?	Go to step **6**. NOTE: Record all DTC.	Go to step **5**.
5	**PERFORM GENERAL DIAGNOSTICS.** 1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to 4AT(diag)-83, Diagnostic Procedure without Diagnostic Trouble Code (DTC).> 2) Inspect using "General Diagnostic Table". <Ref. to 4AT(diag)-94, Diagnostics with Phenomenon.> 3) Perform the Inspection Mode. <Ref. to 4AT(diag)-19, Inspection Mode.> 4) Display DTC.	Is DTC displayed?	Go to step **6**.	Finish the diagnosis.

	Step	Check	Yes	No
6	**PERFORM DIAGNOSIS.** 1) Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to 4AT(diag)-30, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> NOTE: For DTC table, refer to "List of Diagnostic Trouble Code (DTC)". <Ref. to 4AT(diag)-28, 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 DTC.	Is DTC displayed?	Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to 4AT(diag)-30, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.