

Basic Diagnostic Procedure

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

	Step	Check	Yes	No
1	<p>CHECK PRE-INSPECTION.</p> <p>1) Ask the customer when and how the trouble occurred using the interview checklist. <Ref. to 5AT(diag)-4, Check List for Interview.></p> <p>2) Before performing diagnosis, inspect the following items which may influence AT problems.</p> <ul style="list-style-type: none"> • General Inspection <Ref. to 5AT(diag)-5, INSPECTION, General Description.> • Oil leakage • Stall speed test <Ref. to 5AT-30, Stall Test.> • Line pressure test <Ref. to 5AT-32, Line Pressure Test.> • Transfer Clutch Pressure Test <Ref. to 5AT-33, Transfer Clutch Pressure Test.> • Time Lag Test <Ref. to 5AT-31, Time Lag Test.> • Road Test <Ref. to 5AT-29, Road Test.> • Inhibitor Switch <Ref. to 5AT-46, 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	<p>CHECK SPORT INDICATOR LIGHT.</p> <p>After the ignition switch is turned to ON, wait for at least 2 seconds.</p>	Does the SPORT indicator light illuminate?	Go to step 4.	Go to step 3.
3	<p>CHECK SPORT INDICATOR LIGHT.</p> <p>1) Turn the ignition switch to OFF.</p> <p>2) Check the SPORT indicator light. <Ref. to 5AT(diag)-24, INSPECTION, SPORT Indicator Light Display.></p> <p>3) After the ignition switch is turned to ON, wait for at least 2 seconds.</p>	Does the SPORT indicator light blink?	Go to step 4.	Go to step 5.
4	<p>CHECK DTC.</p> <p>Read the DTC. <Ref. to 5AT(diag)-19, OPERATION, Read Diagnostic Trouble Code (DTC).></p> <p>NOTE: If the communication function of Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to 5AT(diag)-26, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.></p>	Is DTC displayed?	Go to step 6. NOTE: Record all DTC.	Go to step 5.
5	<p>PERFORM GENERAL DIAGNOSTICS.</p> <p>1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to 5AT(diag)-125, Diagnostic Procedure without Diagnostic Trouble Code (DTC).></p> <p>2) Perform the Clear Memory Mode.</p> <p>3) Perform the Inspection Mode. <Ref. to 5AT(diag)-20, Inspection Mode.></p> <p>4) Display the DTC.</p>	Is DTC displayed?	Go to step 6.	Inspect using "General Diagnostic Table". <Ref. to 5AT(diag)-134, General Diagnostic Table.>

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<p>6 PERFORM DIAGNOSIS. 1) Inspect using the “Diagnostic Procedure with Diagnostic Trouble Code (DTC)”. <Ref. to 5AT(diag)-32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> NOTE: For DTC table, refer to “List of Diagnostic Trouble Code (DTC).” <Ref. to 5AT(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 5AT(diag)-20, Inspection Mode.> 5) Display DTC.</p>	Is DTC displayed?	Inspect using the “Diagnostic Procedure with Diagnostic Trouble Code (DTC)”. <Ref. to 5AT(diag)-32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Inspect using “General Diagnostic Table”. <Ref. to 5AT(diag)-134, General Diagnostic Table.>