

BASIC DIAGNOSTIC PROCEDURE

Automatic Transmission (DIAGNOSTICS)

1. Basic Diagnostic Procedure

S004501

A: PROCEDURE

S004501E45

No.	Step	Check	Yes	No
1	CHECK PRE-INSPECTION. 1) Ask the customer when and how the trouble occurred using interview checklist. <Ref. to AT-4 Check List for Interview.> 2) Before performing diagnosis, inspect the following items which might influence the AT problems. ● General inspection <Ref. to AT-5 INSPECTION, General Description.> ● Oil leak ● Stall speed test <Ref. to AT-12 Stall Test.> ● Line pressure test <Ref. to AT-15 Line Pressure Test.> ● Transfer clutch pressure test <Ref. to AT-17 Transfer Clutch Pressure Test.> ● Time lag test <Ref. to AT-14 Time Lag Test.> ● Road test <Ref. to AT-11 Road Test.> ● Inhibitor switch <Ref. to AT-28 Inhibitor Switch.>	Is unit that might influence the AT problem normal?	Go to step 2.	Repair or replace each item.
2	CHECK AT OIL TEMP WARNING LIGHT.	Is the AT OIL TEMP warning light flashing?	Go to step 3.	Go to step 4.
3	CHECK INDICATION OF TROUBLE CODE. Calling up trouble code. Without SUBARU SELECT MONITOR <Ref. to AT-26 WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.> With SUBARU SELECT MONITOR <Ref. to AT-27 WITH SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.>	Is the trouble code displayed?	Go to step 5. NOTE: Record all trouble codes.	Go to step 4.

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4	PERFORM THE GENERAL DIAGNOSTICS. 1) Inspect using "Diagnostic Procedure for No-trouble Code". <Ref. to AT-118 Diagnostoc Procedure for No-trouble Code.> 2) Inspect using "Symptom Related Diagnos-tic". <Ref. to AT-138 Symptom Related Diag-nostic.> 3) Perform the clear memory mode. Without SUBARU SELECT MONITOR <Ref. to AT-29 WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> With SUBARU SELECT MONITOR <Ref. to AT-29 WITH SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 4) Perform the inspection mode. <Ref. to AT-28 Inspection Mode.> Calling up the trouble code. Without SUBARU SELECT MONITOR <Ref. to AT-26 WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.> With SUBARU SELECT MONITOR <Ref. to AT-27 WITH SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.>	Is the trouble code displayed?	Complete the diagnosis.	Go to step 5.
5	PERFORM THE DIAGNOSIS. 1) Inspect using "Diagnostics Chart with Trouble Code". <Ref. to AT-36 Diagnostoc Pro-cedure with Trouble Code.> NOTE]: For trouble code table, refer to "List of Diag-nostic Trouble Code". <Ref. to AT-31 List of Diagnostic Trouble Code.> 2) Repair trouble cause. 3) Perform the clear memory mode. Without SUBARU SELECT MONITOR <Ref. to AT-29 WITHOUT SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> With SUBARU SELECT MONITOR <Ref. to AT-29 WITH SUBARU SELECT MONITOR, OPERATION, Clear Memory Mode.> 4) Perform the inspection mode. <Ref. to AT-28 Inspection Mode.> 5) Calling up the trouble code. Without SUBARU SELECT MONITOR <Ref. to AT-26 WITHOUT SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.> With SUBARU SELECT MONITOR <Ref. to AT-27 WITH SUBARU SELECT MONITOR, OPERATION, Read Diagnostic Trouble Code.>	Is the trouble code displayed?	Complete the diagnosis.	Inspect using "Diagnostics Chart with Diagnostic Connector". <Ref. to AT-36 Diagnos-tic Procedure with Trouble Code.>