# 1. Basic Diagnostic Procedure

## A: PROCEDURE

| Step | Check | Yes | No |
|---|---|---|---|
| 1 **CHECK PRE-INSPECTION.**<br>1) Ask the customer when and how the trouble occurred using the interview checklist. <Ref. to 5AT(diag)-4, Check List for Interview.><br>2) Before performing diagnosis, inspect the following item which might influence the AT problems.<br>• General inspection <Ref. to 5AT(diag)-5, INSPECTION, General Description.><br>• Oil leakage<br>• Stall speed test <Ref. to 5AT-30, Stall Test.><br>• Line pressure test <Ref. to 5AT-32, Line Pressure Test.><br>• Transfer Clutch Pressure Test <Ref. to 5AT-33, Transfer Clutch Pressure Test.><br>• Time Lag Test <Ref. to 5AT-31, Time Lag Test.><br>• Road Test<Ref. to 5AT-29, Road Test.><br>• Inhibitor Switch <Ref. to 5AT-46, Inhibitor Switch.> | Is the unit that might influence the AT problem normal? | Go to step **2**. | Repair or replace each item. |
| 2 **CHECK SPORT INDICATOR LIGHT.**<br>After the ignition switch is turned to ON, wait for at least 2 seconds. | Does the SPORT indicator light illuminate? | Go to step **4**. | Go to step **3**. |
| 3 **CHECK SPORT INDICATOR LIGHT.**<br>1) Turn the ignition switch to OFF.<br>2) Check the SPORT indicator light. <Ref. to 5AT(diag)-23, INSPECTION, SPORT Indicator Light Display.><br>3) After the ignition switch is turned to ON, wait for at least 2 seconds. | Does the SPORT indicator light blink? | Go to step **4**. | Go to step **5**. |
| 4 **CHECK DTC.**<br>Read the DTC. <Ref. to 5AT(diag)-18, OPERATION, Read Diagnostic Trouble Code (DTC).><br>NOTE:<br>If the communication function of Subaru Select Monitor cannot be executed normally, check communication circuit. <Ref. to 5AT(diag)-25, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.> | Is DTC displayed? | Go to step **6**.<br>NOTE:<br>Record all DTCs. | Go to step **5**. |
| 5 **PERFORM GENERAL DIAGNOSTICS.**<br>1) Inspect using "Diagnostic Procedure without Diagnostic Trouble Code (DTC)". <Ref. to 5AT(diag)-120, Diagnostic Procedure without Diagnostic Trouble Code (DTC).><br>2) Perform the clear memory mode.<br>3) Perform the inspection mode. <Ref. to 5AT(diag)-19, Inspection Mode.><br>4) Display DTC. | Is DTC displayed? | Go to step **6**. | Inspect using "General Diagnostic Table". <Ref. to 5AT(diag)-128, General Diagnostic Table.> |

| | Step | Check | Yes | No |
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| 6 | **PERFORM THE DIAGNOSIS.**<br>1) Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to 5AT(diag)-31, Diagnostic Procedure with Diagnostic Trouble Code (DTC).><br>NOTE:<br>For DTC table, refer to "List of Diagnostic Trouble Code (DTC)." <Ref. to 5AT(diag)-28, List of Diagnostic Trouble Code (DTC).><br>2) Repair the trouble cause.<br>3) Perform the clear memory mode.<br>4) Perform the inspection mode. <Ref. to 5AT(diag)-19, Inspection Mode.><br>5) Display DTC. | Is DTC displayed? | Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to 5AT(diag)-31, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> | Inspect using "General Diagnostic Table". <Ref. to 5AT(diag)-128, General Diagnostic Table.> |