

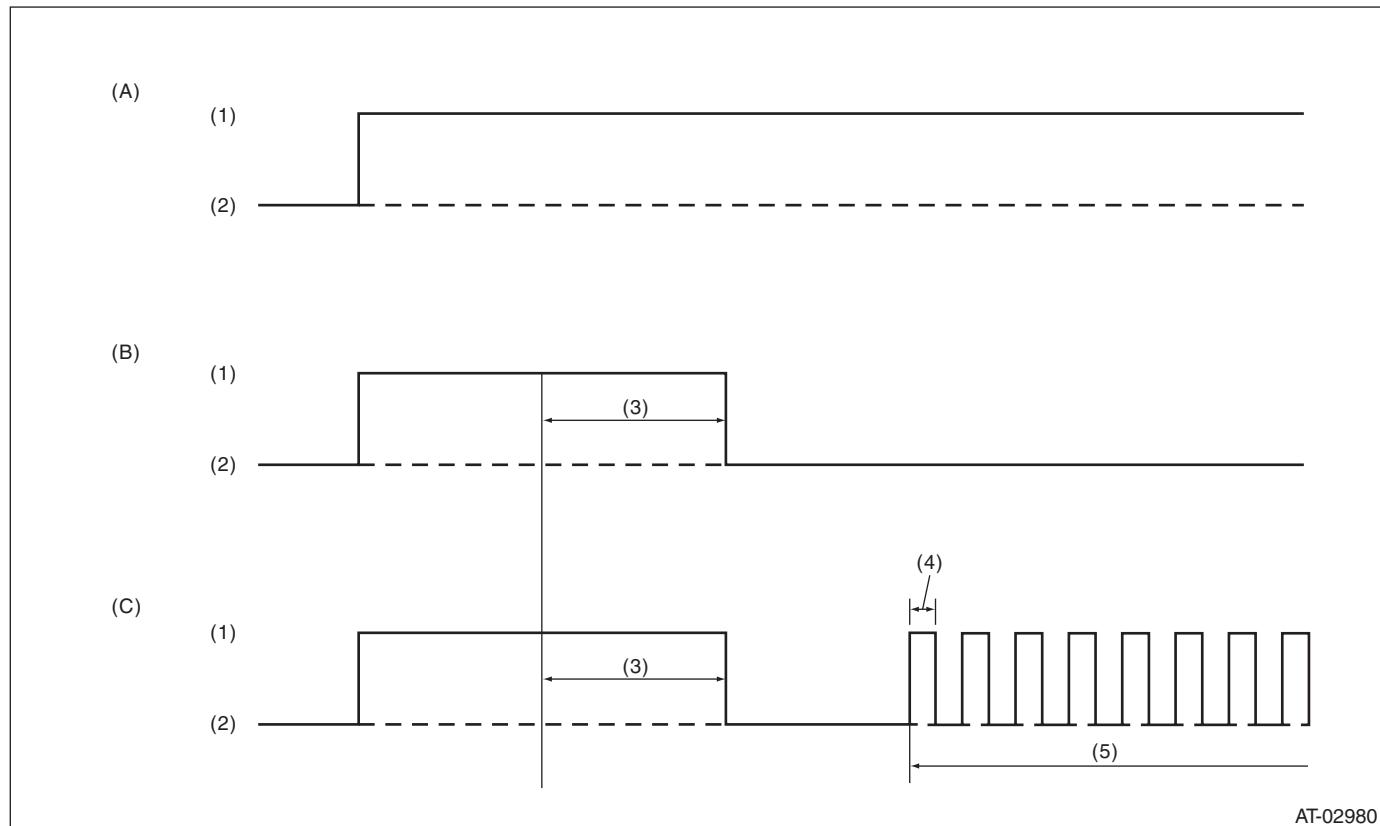
AT OIL TEMP Warning Light Display

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

12. AT OIL TEMP Warning Light Display

A: OPERATION

When any on-board diagnostics item is malfunctioning, the AT OIL TEMP light blinks. The light keeps blinking from when the malfunction is detected after starting the engine, until the ignition switch is turned OFF. The faulty parts or unit can be identified by reading DTCs. Problems which occurred previously can also be identified through the memory function. If the AT OIL TEMP light does not blink although a problem is occurring, the problem can be determined by checking the performance characteristics of each sensor using the Subaru Select Monitor. Indicator light signal patterns are as shown in the figure.



(A) Ignition switch (engine OFF)

(1) ON
(2) OFF

(B) Normal (engine ON)

(3) 2 seconds
(4) 0.25 seconds

(C) Faulty (engine ON)

(5) Blink

When the AT OIL TEMP light does not operate normally, check the AT OIL TEMP light circuit. <Ref. to 4AT(diag)-23, INSPECTION, AT OIL TEMP Warning Light Display.>

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B: INSPECTION

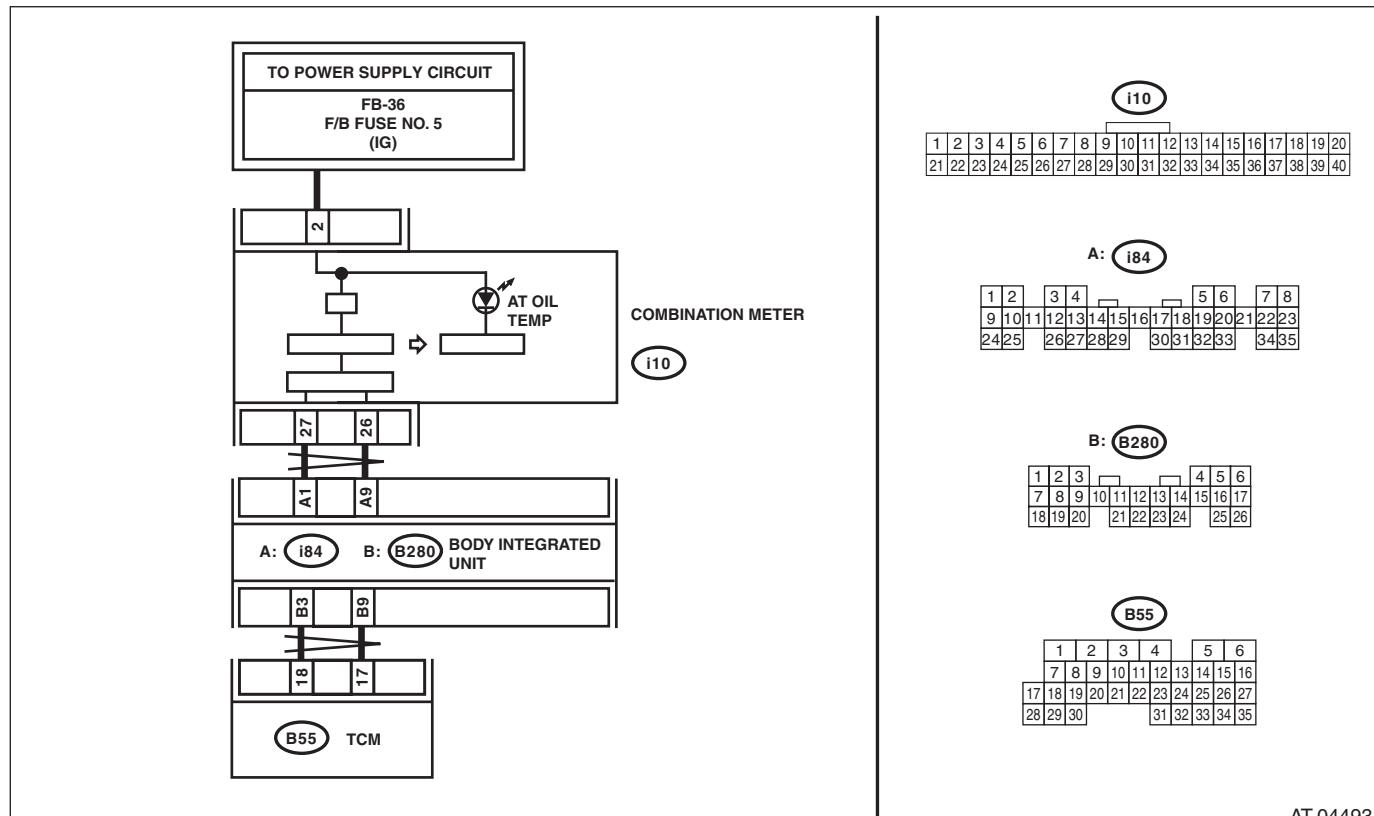
DIAGNOSIS:

AT OIL TEMP light circuit is open or shorted.

TROUBLE SYMPTOM:

When the ignition switch is turned to ON, the AT OIL TEMP light does not illuminate.

WIRING DIAGRAM:



AT-04493

Step	Check	Yes	No
1 CHECK AT OIL TEMP LIGHT. Turn the ignition switch to ON.	Does the AT OIL TEMP light illuminate?	Go to step 2.	Perform the self-diagnosis of combination meter. <Ref. to IDI-4, INSPECTION, Combination Meter System.>
2 CHECK AT OIL TEMP LIGHT. Turn the ignition switch to ON and wait for at least 2 seconds.	Does the AT OIL TEMP light illuminate?	Go to step 3.	Go to step 4.
3 CHECK AT OIL TEMP LIGHT. Start the engine.	Does the AT OIL TEMP light go off?	Normal. Go back to Basic Diagnostic Procedure. <Ref. to 4AT(diag)-2, Basic Diagnostic Procedure.>	Go to step 7.

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Step	Check	Yes	No
4 CHECK SUBARU SELECT MONITOR COMMUNICATION. Connect the Subaru Select Monitor to data link connector.	Is the communication between Subaru Select Monitor and TCM normal?	Go to step 5.	Check the power supply ground circuit of TCM and Subaru Select Monitor communication. <Ref. to 4AT(diag)-28, Diagnostic Procedure for Subaru Select Monitor Communication.>
5 CHECK TCM. 1) Display the current data of TCM using Subaru Select Monitor. <Ref. to 4AT(diag)-16, OPERATION, Read Current Data.> 2) Read the data of "Diagnosis Lamp" using Subaru Select Monitor.	Is "ON" displayed?	Go to step 6.	Replace the TCM. <Ref. to 4AT-58, Transmission Control Module (TCM).>
6 CHECK BODY INTEGRATED UNIT. 1) Connect the Subaru Select Monitor, and display the current data of the body integrated unit. <Ref. to LAN(diag)-33, OPERATION, Read Current Data.> 2) Read the data of "ATF Temperature Lamp" using the Subaru Select Monitor.	Is "ON" displayed?	Replace the combination meter assembly. <Ref. to IDI-14, Combination Meter.>	Check DTC of body integrated unit. <Ref. to LAN(diag)-15, OPERATION, Subaru Select Monitor.>
7 CHECK TCM. NOTE: If the ATF temperature is 138°C or more, cool down till the temperature is 137°C or less. 1) Display the current data of TCM using Subaru Select Monitor. <Ref. to 4AT(diag)-16, OPERATION, Read Current Data.> 2) Read the data of "Diagnosis Lamp" using Subaru Select Monitor.	Is "ON" displayed?	Replace the TCM. <Ref. to 4AT-58, Transmission Control Module (TCM).>	Go to step 8.
8 CHECK BODY INTEGRATED UNIT. 1) Connect the Subaru Select Monitor, and display the current data of the body integrated unit. <Ref. to LAN(diag)-33, OPERATION, Read Current Data.> 2) Read the data of "ATF Temperature Lamp" using the Subaru Select Monitor.	Is "ON" displayed?	Check DTC of body integrated unit. Perform the diagnosis according to DTC. <Ref. to LAN(diag)-15, OPERATION, Subaru Select Monitor.>	Perform the self-diagnosis of combination meter. <Ref. to IDI-4, INSPECTION, Combination Meter System.>