

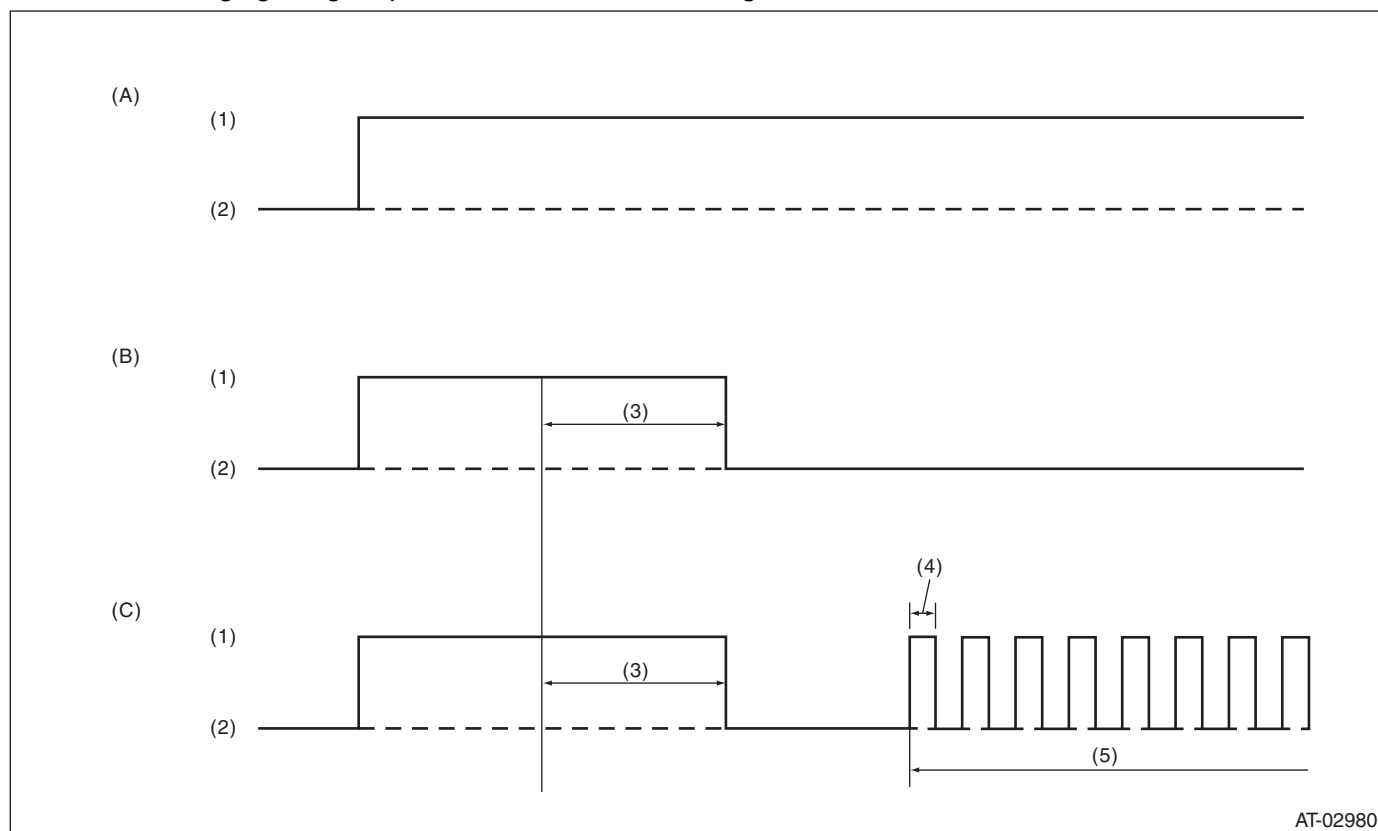
AT Oil Temp Warning Light Display

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

12.AT Oil Temp Warning Light Display

A: OPERATION

If there is a malfunction with an on-board diagnosis part, the ATF temperature warning light will flash. The flashing will continue from when the malfunction is confirmed after starting the engine, until the ignition switch is turned to OFF. The malfunctioning part or unit can be identified by DTC during the on-board diagnostics operation. Problems which occurred previously can also be identified through the memory function. If the ATF temperature warning light does not show a problem (although a problem is occurring), the problem can be determined by checking the performance characteristics of each sensor using the Subaru Select Monitor. The ATF warning light signal patterns are shown in the figure.



AT-02980

(A) Ignition switch (engine OFF)

(B) Normal (engine ON)

(C) Faulty (engine ON)

(1) ON

(3) 2 seconds

(5) Blink

(2) OFF

(4) 0.25 seconds

If the ATF temperature warning light does not function properly, check the ATF temperature warning light circuit. <Ref. to 4AT(diag)-23, INSPECTION, AT Oil Temp Warning Light Display.>

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B: INSPECTION

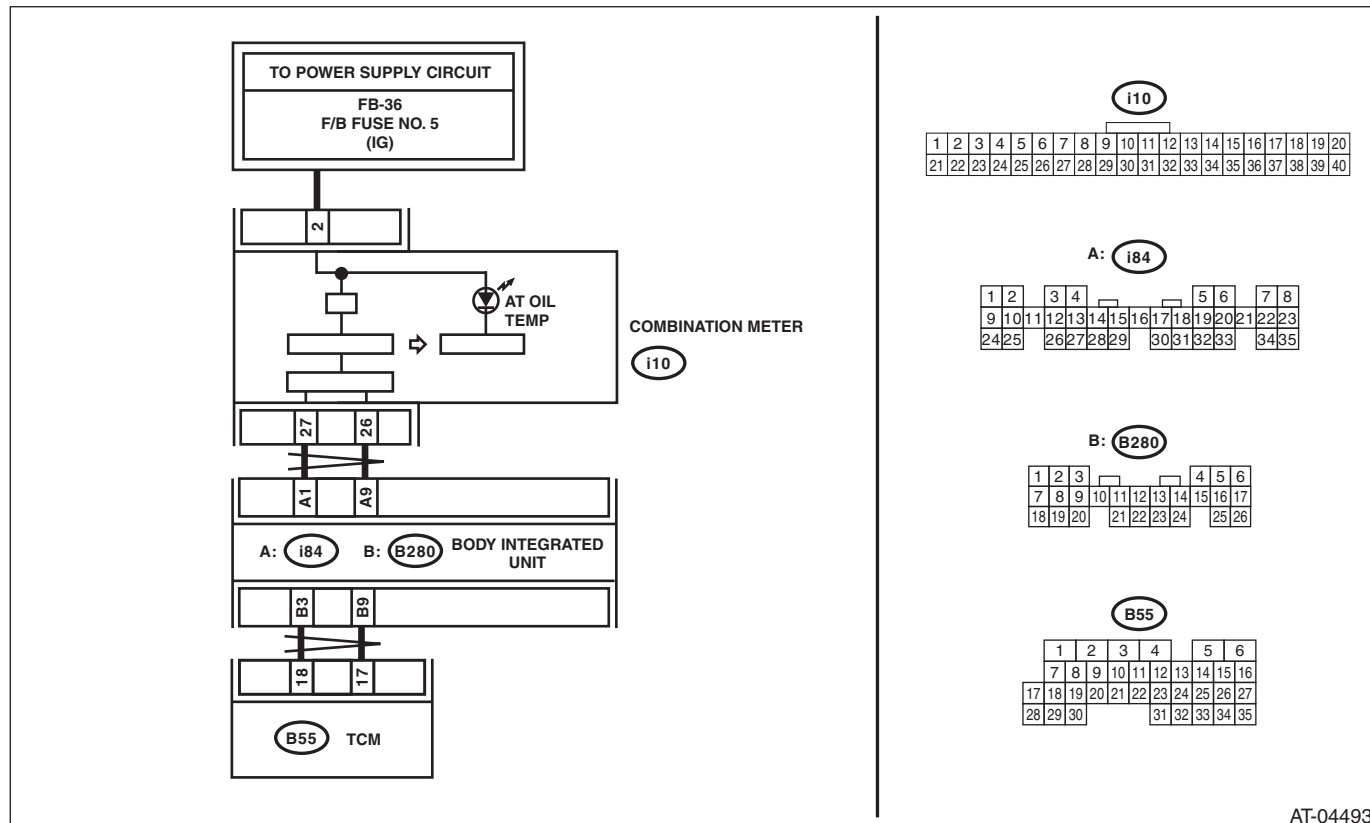
DIAGNOSIS:

ATF temperature warning light circuit is open or shorted.

TROUBLE SYMPTOM:

When the ignition switch is turned to ON, the ATF temperature warning light does not illuminate.

WIRING DIAGRAM:



Step	Check	Yes	No
1 ATF TEMPERATURE WARNING LIGHT INSPECTION. Turn the ignition switch to ON.	Does the ATF temperature warning light illuminate?	Go to step 2.	Perform self diagnosis of the combination meter. <Ref. to IDI-4, INSPECTION, Combination Meter System.>
2 ATF TEMPERATURE WARNING LIGHT INSPECTION. After the ignition switch is ON, wait for at least 2 seconds.	Does the ATF temperature warning light illuminate?	Go to step 3.	Go to step 4.
3 ATF TEMPERATURE WARNING LIGHT INSPECTION. Start the engine.	Does the ATF temperature warning light turn off?	Normal. Go back to the "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 the data link connector.	Is the communication between Subaru Select Monitor and TCM normal?	Go to step 5.	Check the power supply ground circuit of the TCM and the Subaru Select Monitor communication. <Ref. to 4AT(diag)-25, Diagnostic Procedure for Subaru Select Monitor Communication.>
5 CHECK TCM. 1) Connect the Subaru Select Monitor, and display the current data of the TCM. <Ref. to 4AT(diag)-15, OPERATION, Subaru Select Monitor.> 2) Read the data of the "Diagnosis Lamp".	Is "ON" displayed?	Go to step 6.	Replace the TCM. <Ref. to 4AT-60, 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)-14, OPERATION, Subaru Select Monitor.> 2) Read the data of the "ATF Temperature Lamp".	Does the display show "ON"?	Replace the combination meter assembly. <Ref. to IDI-16, Combination Meter.>	Check the DTC of the body integrated unit. <Ref. to LAN(diag)-14, OPERATION, Subaru Select Monitor.>
7 CHECK TCM. 1) Display the current data of TCM using Subaru Select Monitor. 2) Read the data of the "Diagnosis Lamp".	Is "ON" displayed?	Replace the TCM. <Ref. to 4AT-60, 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. 2) Read the data of the "ATF Temperature Lamp".	Does the display show "ON"?	Check DTC of body integrated unit. Perform diagnosis according to the DTC. <Ref. to LAN(diag)-14, OPERATION, Subaru Select Monitor.>	Perform self diagnosis of the combination meter. <Ref. to IDI-4, INSPECTION, Combination Meter System.>