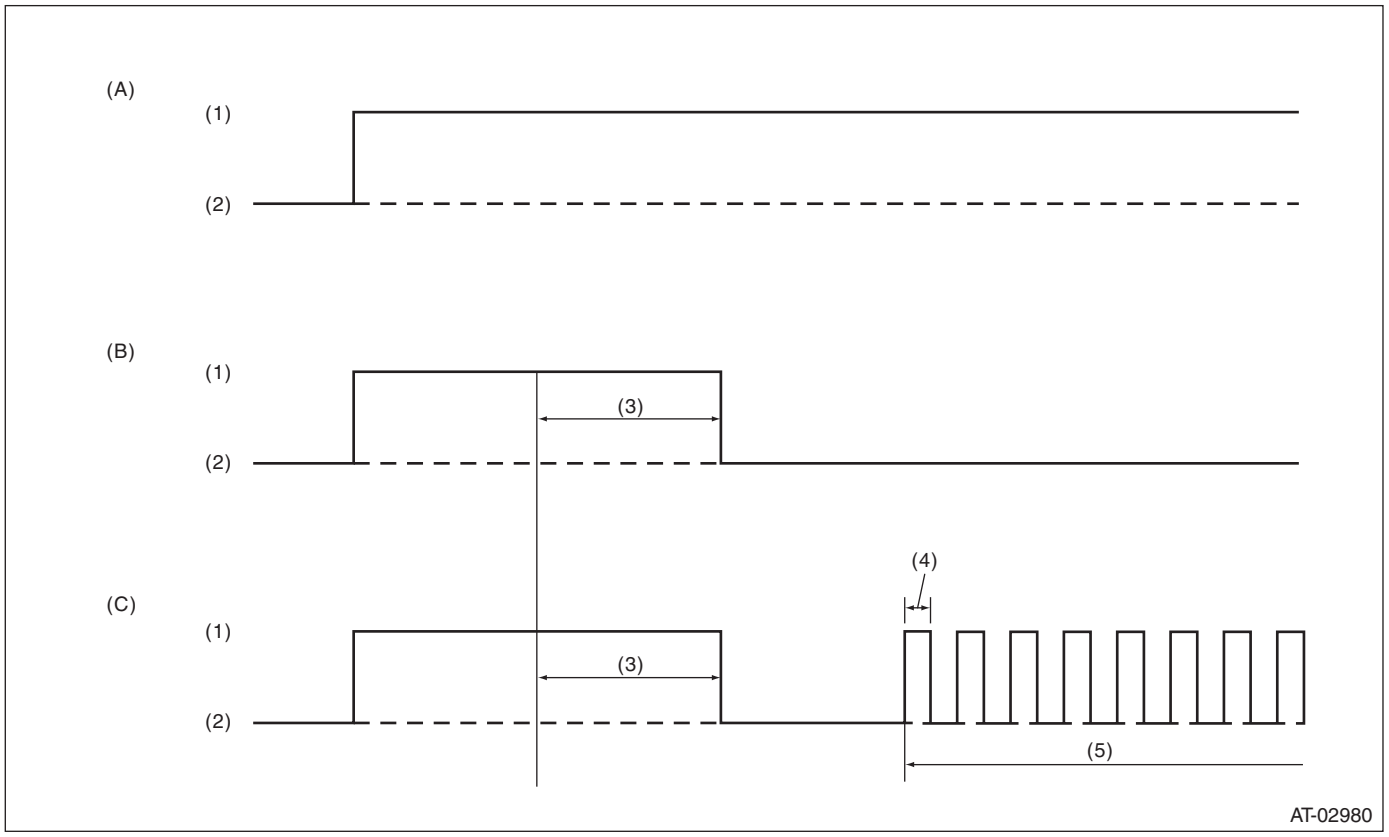
10.AT Oil Temp Warning Light Display

A: OPERATION

When any on-board diagnostics item is malfunctioning, the ATF temperature warning light blinks when a malfunction is detected after starting the engine until the ignition switch is turned OFF. The malfunctioning part or unit can be determined by a 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. Warning light signal patterns are shown in the figure.

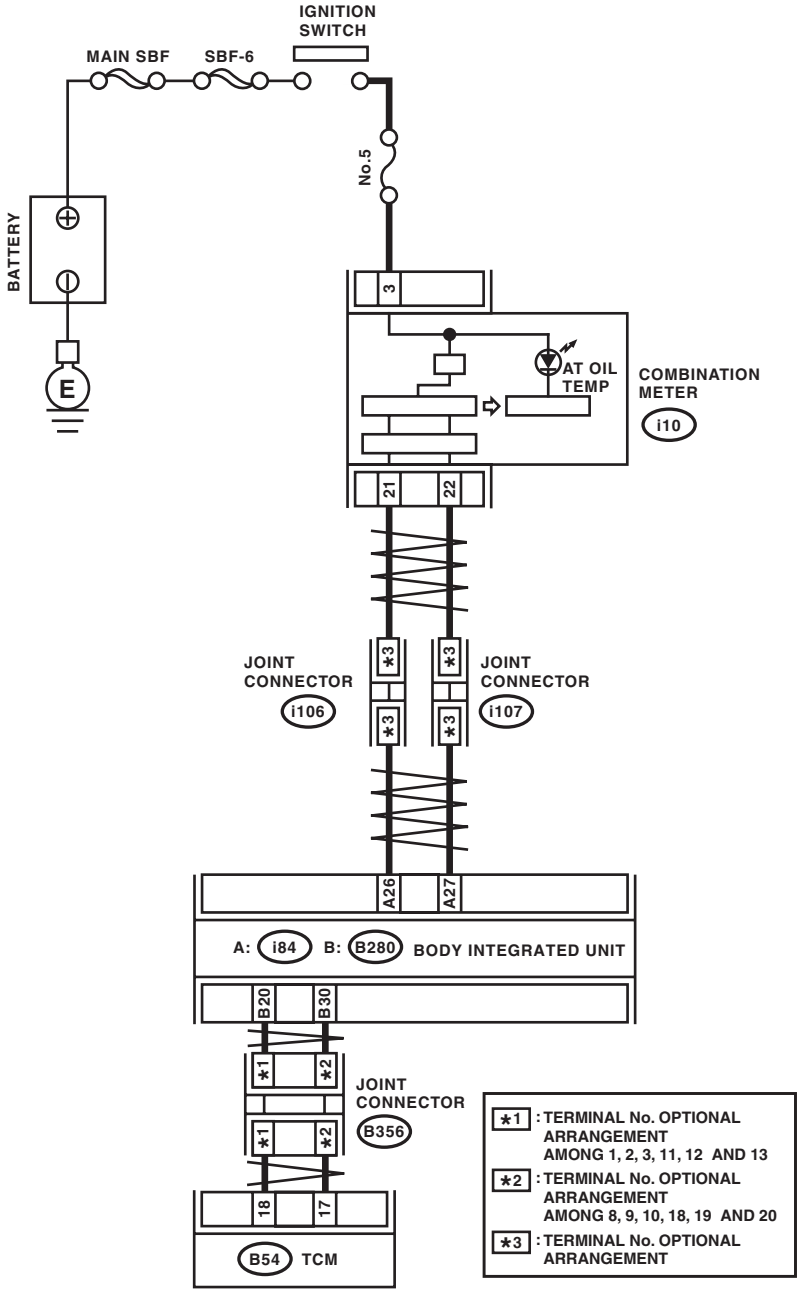


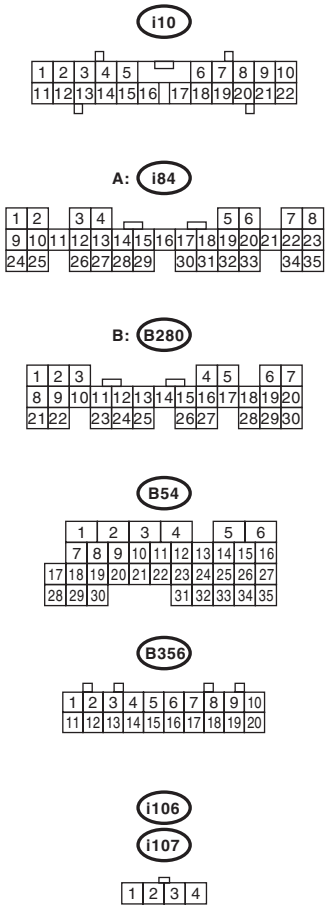
(A)	Ignition switch ON (engine OFF)	(B)	Normal (engine ON)	(C)	Faulty (engine ON)
(1)	ON	(3)	2 seconds	(5)	Blink
(2)	OFF	(4)	0.25 seconds		

Perform the inspection when the ATF temperature warning light does not operate correctly. <Ref. to 4AT(diag)-22, INSPECTION, AT Oil Temp Warning Light Display.>

B: INSPECTION

DIAGNOSIS:
ATF temperature warning light circuit is open or shorted.
TROUBLE SYMPTOM:
When the ignition switch is turned to ON (engine OFF), the ATF temperature warning light does not illuminate.
WIRING DIAGRAM:





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	Step	Check	Yes	No
1	**ATF TEMPERATURE WARNING LIGHT INSPECTION.** Turn the ignition switch to ON.	Does the ATF temeprature warning light illuminate?	Go to step **2**.	Perform the self-diagnosis of combination meter.
2	**ATF TEMPERATURE WARNING LIGHT INSPECTION.** After the ignition switch is ON, wait for at least 2 seconds.	Does the ATF temeprature warning light illuminate?	Go to step **3**.	Go to step **4**.
3	**ATF TEMPERATURE WARNING LIGHT INSPECTION.** Start the engine.	Does the ATF temeprature warning light go off?	Normal. Go back to "Basic Diagnostic Procedure". <Ref. to 4AT(diag)-2, Basic Diagnostic Procedure.>	Go to step **7**.
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 TCM and Subaru Select Monitor communication. <Ref. to 4AT(diag)-24, Diagnostic Procedure for Subaru Select Monitor Communication.>
5	**CHECK TCM.** Display the current data of TCM using Subaru Select Monitor.	Is the "Diagnosis Light" output signal "ON"?	Go to step **6**.	Replace the TCM. <Ref. to 4AT-60, Transmission Control Module (TCM).>
6	**CHECK BODY INTEGRATED UNIT.** Display the current data of body integrated unit using Subaru Select Monitor. <Ref. to LAN(diag)-12, OPERATION, Subaru Select Monitor.>	Is the "ATF oil temperature light" input signal on "Illuminate"?	Replace the combination meter assembly. <Ref. to IDI-19, Combination Meter.>	Check DTC of body integrated unit. <Ref. to LAN(diag)-12, OPERATION, Subaru Select Monitor.>
7	**CHECK TCM.** Display the current data of TCM using Subaru Select Monitor. <Ref. to 4AT(diag)-15, OPERATION, Subaru Select Monitor.>	Is the "Diagnosis Light" output signal "ON"?	Replace the TCM. <Ref. to 4AT-60, Transmission Control Module (TCM).>	Go to step **8**.
8	**CHECK BODY INTEGRATED UNIT.** Display the current data of body integrated unit using Subaru Select Monitor. <Ref. to LAN(diag)-12, OPERATION, Subaru Select Monitor.>	Is the "ATF oil temperature light" input signal on "Illuminate"?	Check DTC of body integrated unit. Perform the diagnosis according to DTC. <Ref. to LAN(diag)-12, OPERATION, Subaru Select Monitor.>	Perform the self-diagnosis of combination meter. <Ref. to IDI-4, INSPECTION, Combination Meter System.>