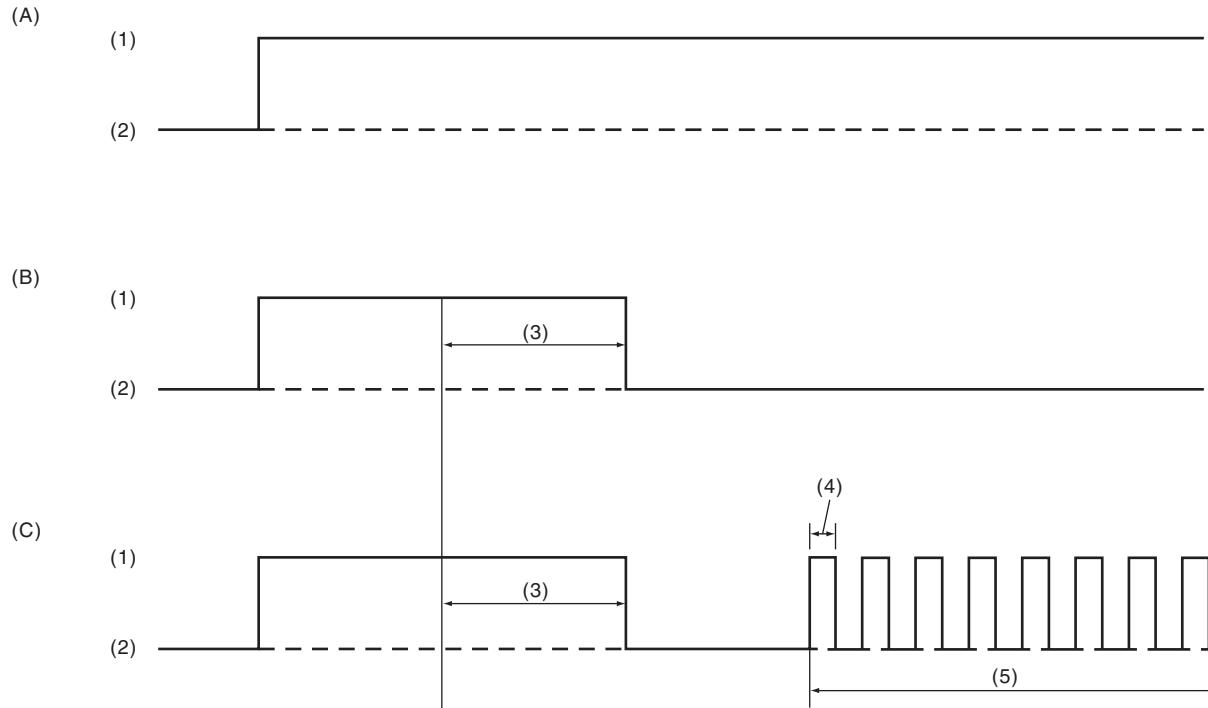


10.AT Oil Temp Warning Light Display

A: OPERATION

When any on-board diagnostics item is malfunctioning, the ATF temperature warning 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 ATF temperature warning light does not illuminate when a problem actually occurs, 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.



AT-02980

(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

Inspect the ATF temperature warning light when it does not operate correctly. <Ref. to 4AT(diag)-24, INSPECTION, AT Oil Temp Warning Light Display.>

AT Oil Temp Warning Light Display

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

B: INSPECTION

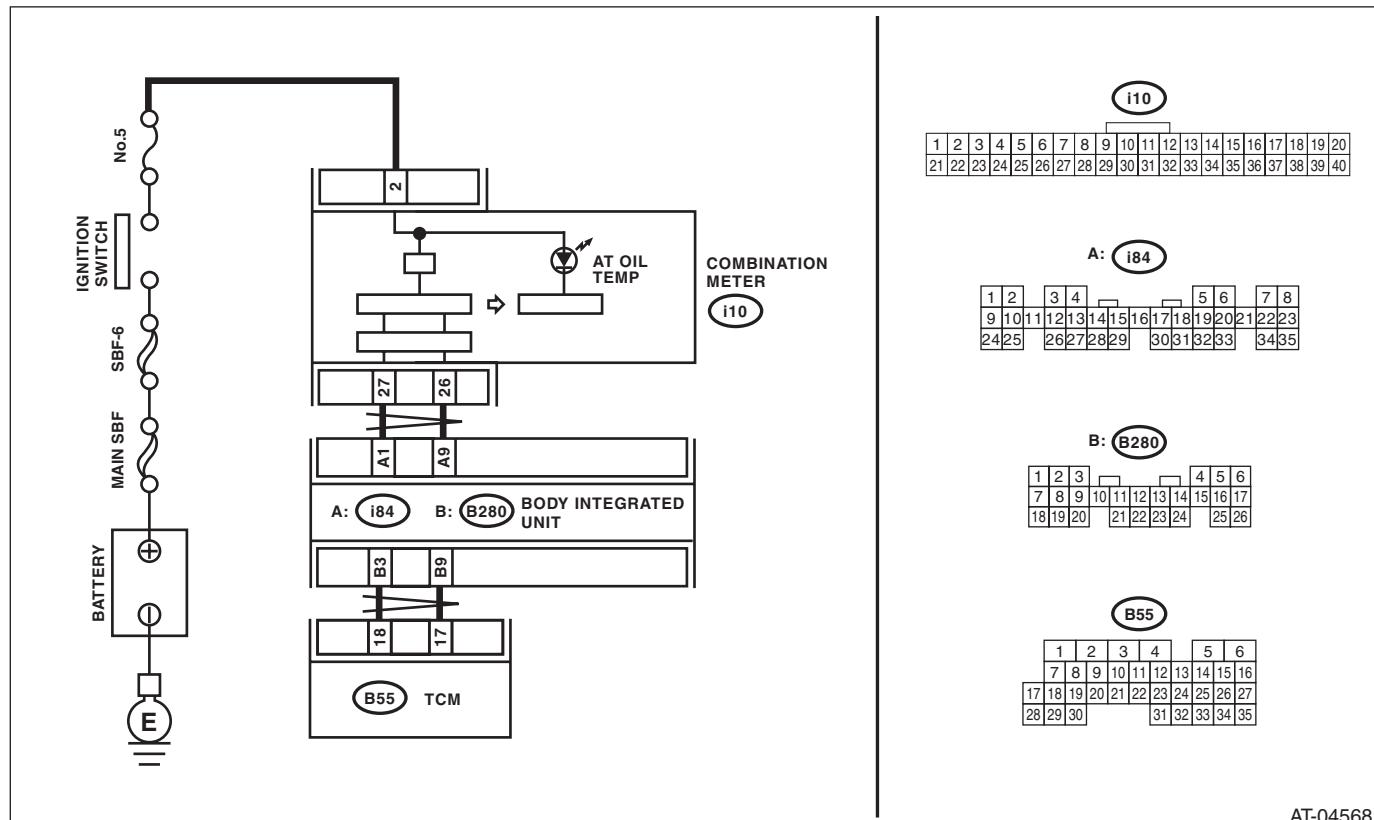
DIAGNOSIS:

The 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:



AT-04568

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

AT Oil Temp Warning Light Display

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

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)-26, 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, Subaru Select Monitor.> 2) Read the data of "Diagnosis Lamp" using Subaru Select Monitor.	Is "ON" displayed?	Go to step 6.	Replace the TCM. <Ref. to 4AT-61, Transmission Control Module (TCM).>
6 CHECK BODY INTEGRATED UNIT. 1) Display the current data of body integrated unit using Subaru Select Monitor. <Ref. to LAN(diag)-32, 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-15, 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 ATF to 137°C or less. 1) Display the current data of TCM using Subaru Select Monitor. <Ref. to 4AT(diag)-16, OPERATION, Subaru Select Monitor.> 2) Read the data of "Diagnosis Lamp" using Subaru Select Monitor.	Is "ON" displayed?	Replace the TCM. <Ref. to 4AT-61, Transmission Control Module (TCM).>	Go to step 8.
8 CHECK BODY INTEGRATED UNIT. 1) Display the current data of body integrated unit using Subaru Select Monitor. <Ref. to LAN(diag)-32, 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.>