

AT Oil Temp Warning Light Display

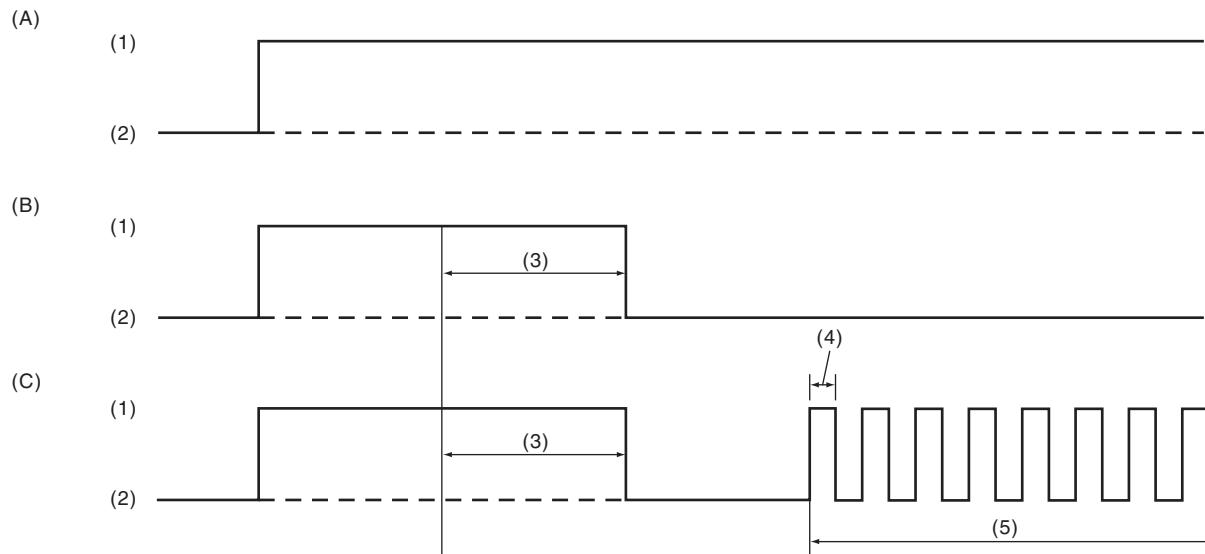
AUTOMATIC TRANSMISSION (DIAGNOSTICS)

11.AT Oil Temp Warning Light Display

A: OPERATION

When any on-board diagnostics item is malfunctioning, the AT OIL TEMP light blinks from the time the 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 AT OIL TEMP 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 Subaru Select Monitor. Indicator light signal patterns are shown in the figure.

When the AT OIL TEMP light does not operate normally but no DTC is stored, perform the AT OIL TEMP light inspection. <Ref. to 5AT(diag)-25, INSPECTION, AT Oil Temp Warning Light Display.>



AT-01750

(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

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B: INSPECTION

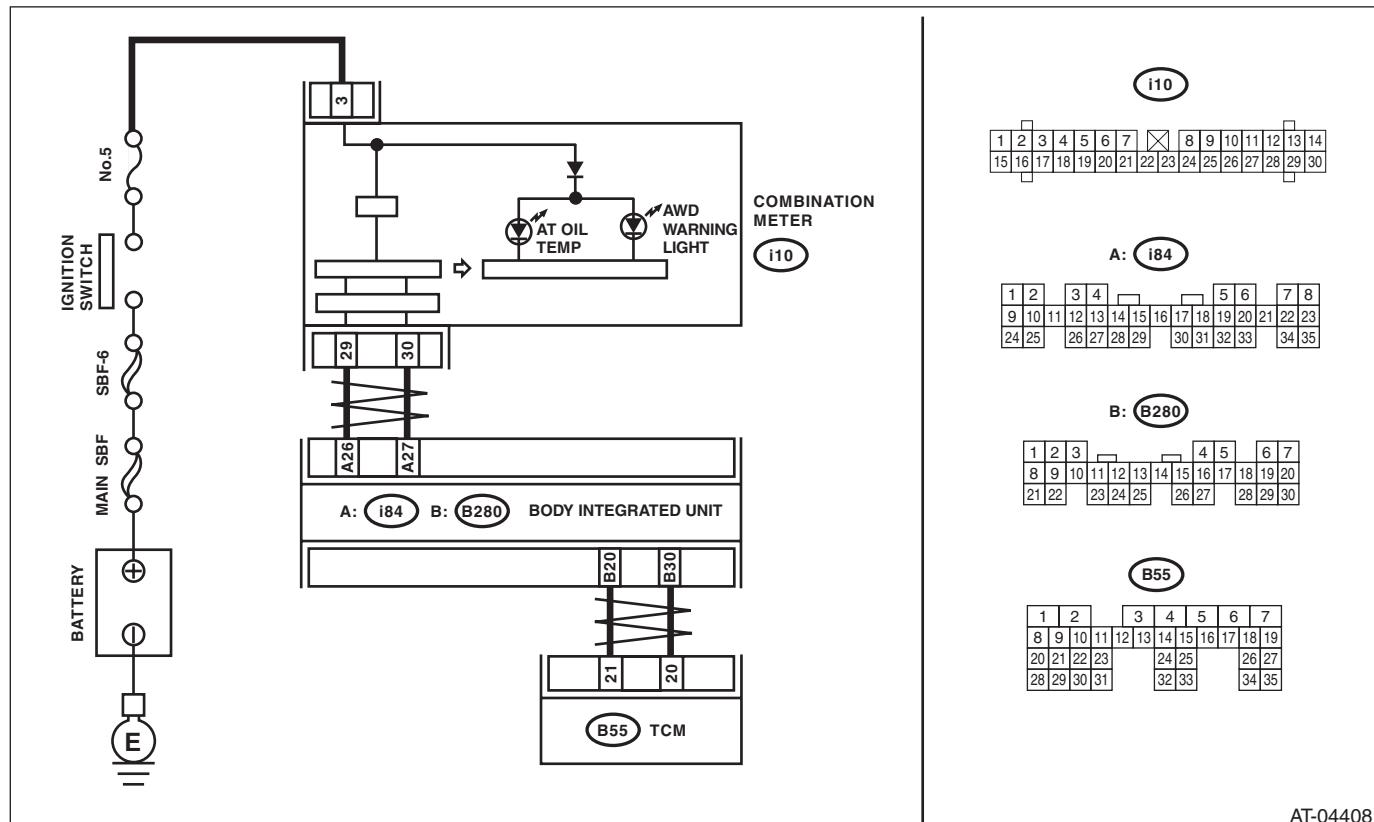
DIAGNOSIS:

AT OIL TEMP light circuit is open or shorted.

TROUBLE SYMPTOM:

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

WIRING DIAGRAM:



AT Oil Temp Warning Light Display

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

| 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. |
| 2 CHECK AT OIL TEMP LIGHT. After the ignition switch is ON, 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 5AT(diag)-2, Basic Diagnostic Procedure.> | Go to step 7. |
| 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 5AT(diag)-27, Diagnostic Procedure for Subaru Select Monitor Communication.> |
| 5 CHECK TCM. 1) Display the current data of TCM using Subaru Select Monitor. <Ref. to 5AT(diag)-16, OPERATION, Subaru Select Monitor.> 2) Read the data of the "Diagnosis Light". | Is ON displayed? | Go to step 6. | Replace the TCM. <Ref. to 5AT-60, Transmission Control Module (TCM).> |
| 6 CHECK THE BODY INTEGRATED UNIT. 1) Display the current data of body integrated unit using Subaru Select Monitor. <Ref. to LAN(diag)-12, OPERATION, Subaru Select Monitor.> 2) Read the data of the "ATF oil temperature light". | Is "ON" displayed? | Replace the combination meter assembly. <Ref. to IDI-12, Combination Meter.> | Check DTC of body integrated unit. <Ref. to LAN(diag)-12, OPERATION, Subaru Select Monitor.> |
| 7 CHECK TCM. 1) Start the engine. 2) Display the current data of TCM using Subaru Select Monitor. 3) Read the data of the "Diagnosis Light". | Is ON displayed? | Replace the TCM. <Ref. to 5AT-60, Transmission Control Module (TCM).> | Go to step 8. |
| 8 CHECK THE BODY INTEGRATED UNIT. 1) Display the current data of body integrated unit using Subaru Select Monitor. 2) Read the data of the "ATF oil temperature light". | Is "ON" displayed? | 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.> |