

SPORT Indicator Light Display

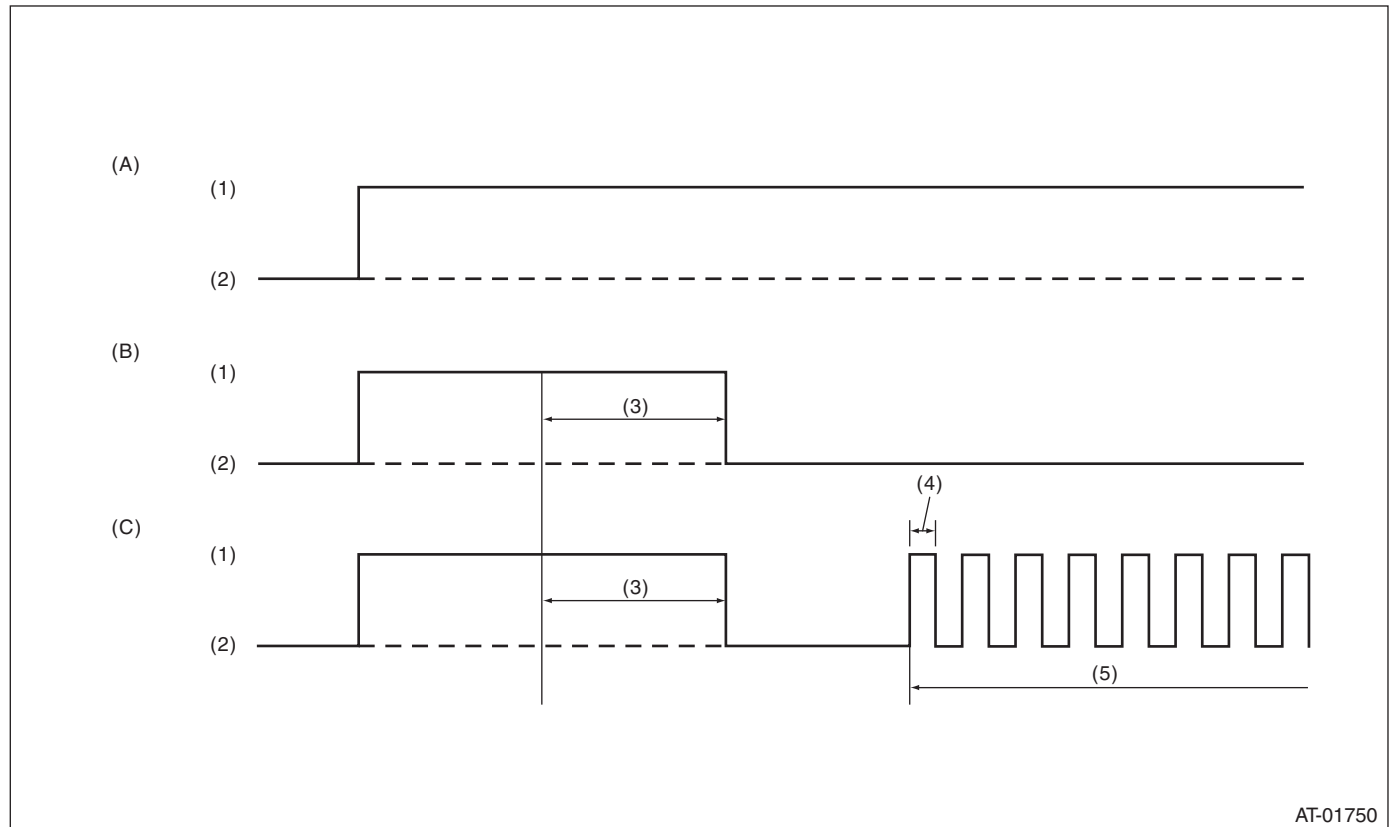
AUTOMATIC TRANSMISSION (DIAGNOSTICS)

11.SPORT Indicator Light Display

A: OPERATION

When any on-board diagnostics item is malfunctioning, the SPORT indicator 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 SPORT indicator 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 SPORT indicator light does not operate normally but no DTC is stored, perform the SPORT indicator light inspection. <Ref. to 5AT(diag)-23, INSPECTION, SPORT Indicator Light Display.>



(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

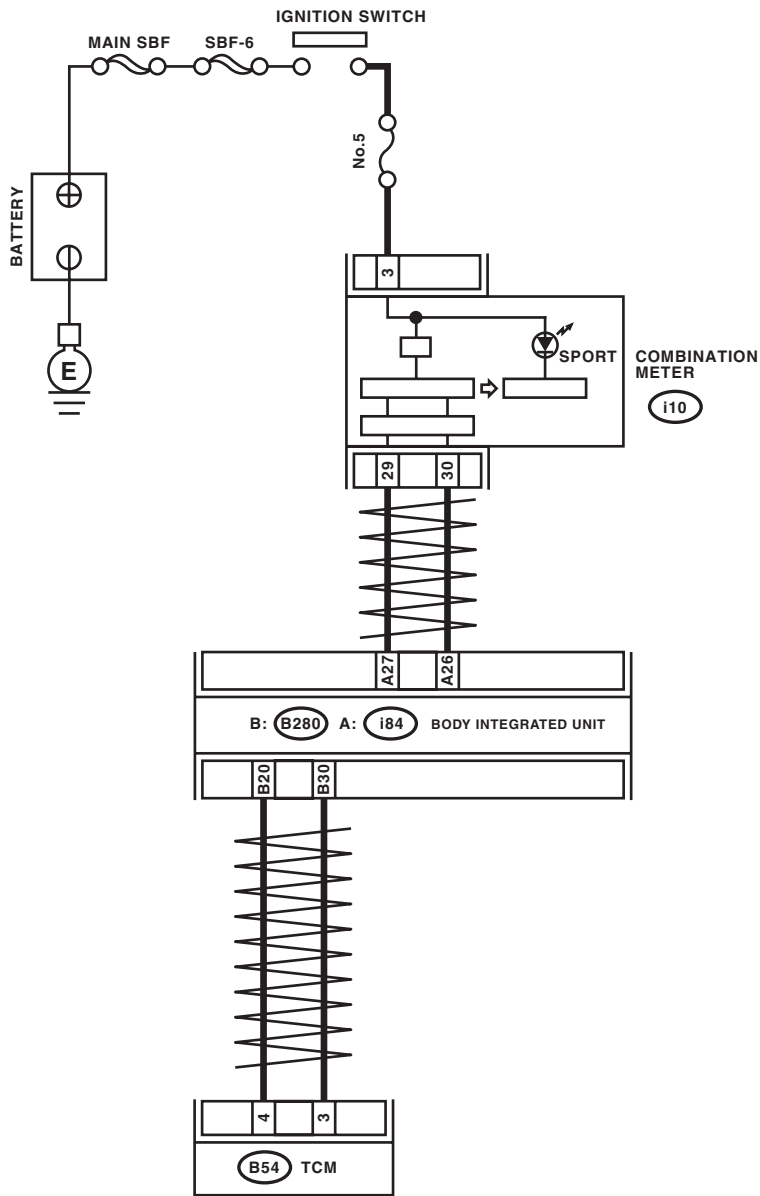
DIAGNOSIS:

SPORT indicator light circuit is open or shorted.

TROUBLE SYMPTOM:

When the ignition switch is turned to ON (engine OFF), SPORT indicator light does not illuminate.

WIRING DIAGRAM:



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AUTOMATIC TRANSMISSION (DIAGNOSTICS)

	Step	Check	Yes	No
1	CHECK SPORT INDICATOR LIGHT. Turn the ignition switch to ON.	Does the SPORT indicator light illuminate?	Go to step 2.	Perform the self-diagnosis of combination meter.
2	CHECK SPORT INDICATOR LIGHT. After the ignition switch is ON, wait for at least 2 seconds.	Does the SPORT indicator light illuminate?	Go to step 3.	Go to step 4.
3	CHECK SPORT INDICATOR LIGHT. Start the engine.	Does the SPORT indicator 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)-25, 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 5AT-58, 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 "SPORT Light" input signal "Illuminate"?	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. <Ref. to 5AT(diag)-15, OPERATION, Subaru Select Monitor.>	Is the "Diagnosis Light" output signal "ON"?	Replace the TCM. <Ref. to 5AT-58, 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 "SPORT Light" input signal "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.>