

AWD Warning Light Display

CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

14. AWD Warning Light Display

A: OPERATION

AWD light blinks when a fault occurs in AWD.

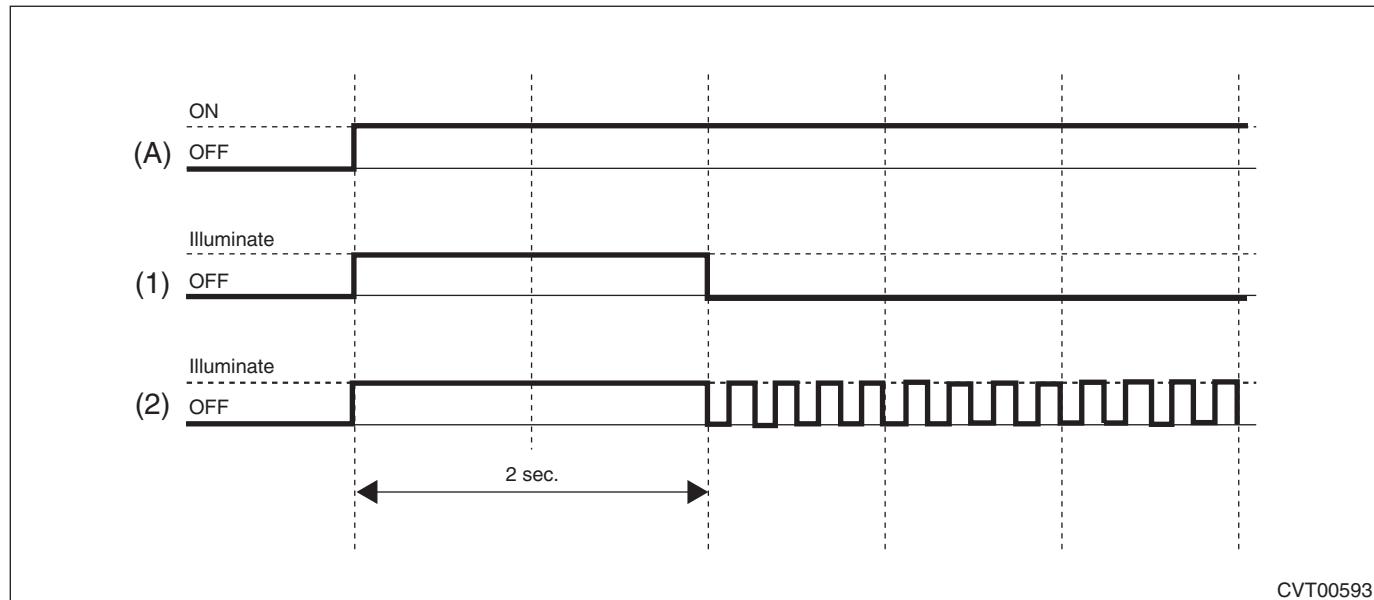
- At normal condition

After turning the ignition switch to ON, illuminates for 2 seconds then goes off.

- When malfunction is detected

AWD light blinks at 2 Hz when any of the following malfunctions are detected with the ignition switch ON.

1. When tire with different diameter is installed.
2. When air pressure of any of four tires is excessively low.



(A) Ignition switch condition

(1) At normal condition

(2) When malfunction is detected

If the AWD light does not illuminate, or illumination patterns are not as above, check the AWD light circuit.
<Ref. to CVT(diag)-29, INSPECTION, AWD Warning Light Display.>

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B: INSPECTION

DIAGNOSIS:

- CAN communication is lost with the combination meter.
- Combination meter malfunction

TROUBLE SYMPTOM:

- When the ignition switch is turned to ON, the AWD light does not illuminate.
- AWD light remains lit after engine start.
- AWD light is blinking immediately after engine start.

Step	Check	Yes	No
1 CHECK DTC. Read the DTC relating the TCM using the Subaru Select Monitor.	Is DTC U0155 or U0423 displayed?	Perform the self-diagnosis of combination meter.	Go to step 2.
2 CHECK DTC. Read the DTC relating the TCM using the Subaru Select Monitor.	Are DTCs other than U0155 and U0423 displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3 CHECK COMBINATION METER. Read DTC of combination meter.	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 4.
4 CHECK AWD LIGHT. Turn the ignition switch to ON.	Does AWD light illuminate and then go off in 2 seconds?	Go to step 5. <Ref. to IDI-6, SELF-DIAGNOSIS DISPLAY MODE, OPERATION, Combination Meter System.>	Perform the self-diagnosis of combination meter. <Ref. to IDI-6, SELF-DIAGNOSIS DISPLAY MODE, OPERATION, Combination Meter System.>
5 CHECK AWD LIGHT. Start the engine.	Does the AWD light go off?	Current condition is normal. Go back to Basic Diagnostic Procedure. <Ref. to CVT(diag)-2, Basic Diagnostic Procedure.>	Go to step 6.
6 CHECK DTC. Read the DTC relating the TCM using the Subaru Select Monitor.	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 7.
7 CHECK COMBINATION METER. Perform the self-diagnosis of combination meter. <Ref. to IDI-6, SELF-DIAGNOSIS DISPLAY MODE, OPERATION, Combination Meter System.>	Is there any trouble with the combination meter?	Repair the combination meter.	Replace the TCM. <Ref. to CVT(TR690)-126, Transmission Control Module (TCM).>