

12. Airbag Warning Light Failure

A: AIRBAG WARNING LIGHT REMAINS ON

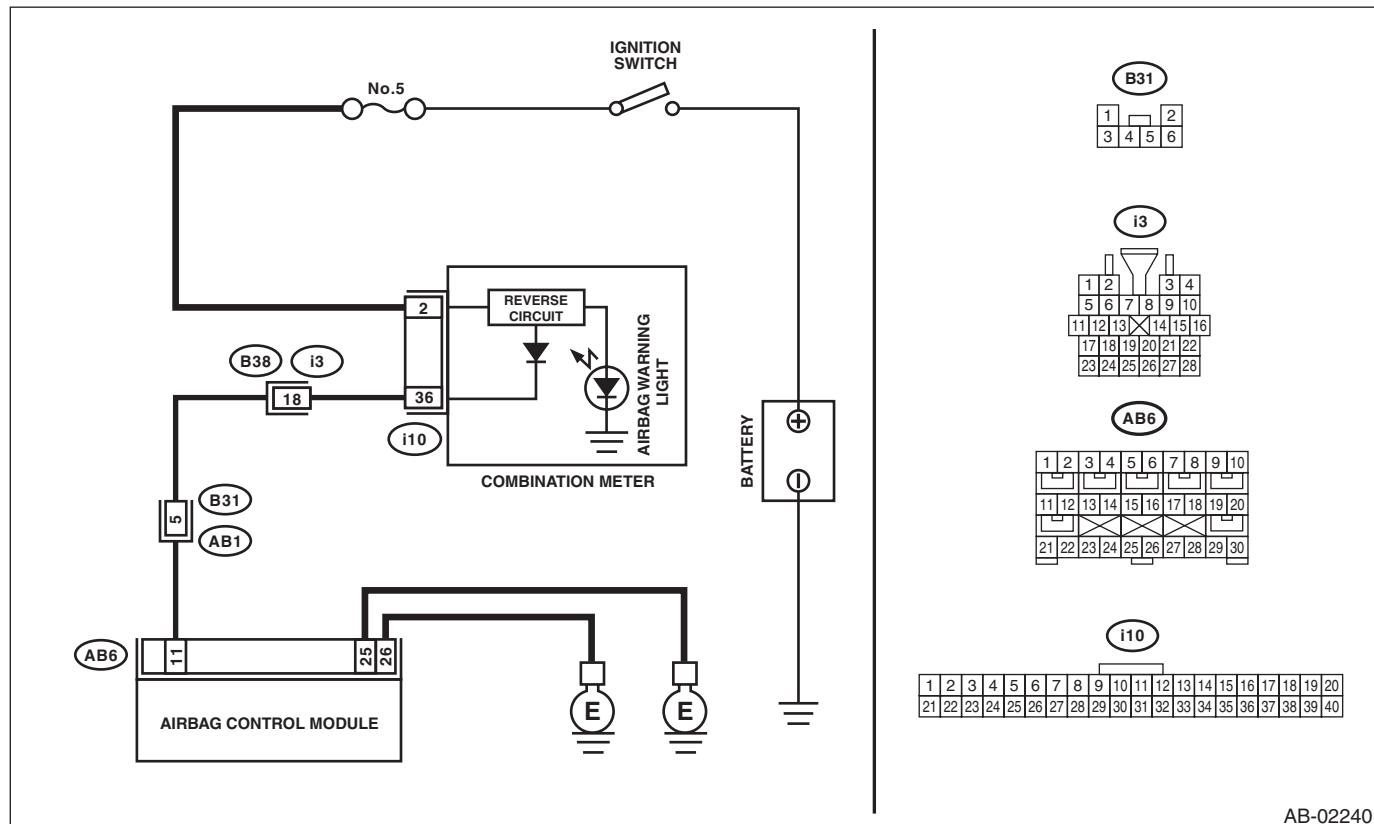
DETECTING CONDITION:

- Airbag warning light is faulty.
- Airbag control module to airbag warning light circuit is shorted or open.
- Grounding circuit is faulty.
- Airbag control module is faulty.
- Connector connection is improper.
- Connections of (AB6, AB17, AB18) to airbag control module are improper.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait 60 seconds or more before starting to work.
- When replacing the airbag module, seat belt pretensioner, roll connector, control module and sensor, reconnect each part and check that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the airbag rear harness, disconnect the side airbag module connector, curtain airbag module connector and seat belt pretensioner connector for safety reasons.

WIRING DIAGRAM:



Step	Check	Yes	No
1 READ DTC. Read the DTC. <Ref. to AB(diag)-26, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is DTC displayed?	Go to step 2.	Go to step 3.
2 CHECK DTC.	Is the displayed DTC 2D?	Go to step 3.	Perform the diagnosis according to DTC.

Airbag Warning Light Failure

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK FOR POOR CONTACT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Check that the airbag control module and the connectors (AB6, AB17, AB18) are securely connected.	Are there poor contact of connectors (AB6, AB17, AB18)?	If the faulty connector contact remains, replace the airbag main harness along with body harness or replace the airbag control module. <Ref. to AB-22, Airbag Control Module.>	Go to step 4.
4 CHECK AIRBAG MAIN HARNESS. 1) Remove the instrument panel lower cover and disconnect the connectors (AB7) and (AB2). 2) Remove the console front panel and disconnect the connector (AB9). 3) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AH) in the test harness AH. 4) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG. 5) Connect the battery ground terminal and turn the ignition switch to ON. 6) Connect the connectors (7AG) and (8AG) in the test harness AG. NOTE: After the fault has been cleared, disconnect the connectors (7AG) and (8AG).	Does the airbag warning light go off?	Go to step 5.	Go to step 6.
5 CHECK GROUND CIRCUIT. Measure the resistance between connector (2AG) in the test harness AG and chassis ground. <i>Connector & terminal</i> <i>(2AG) No. 4 — Chassis ground:</i> <i>(2AG) No. 3 — Chassis ground:</i>	Is the resistance less than 10 Ω?	Replace the airbag control module. <Ref. to AB-22, Airbag Control Module.>	Repair the chassis ground circuit.
6 CHECK AIRBAG MAIN HARNESS AND BULKHEAD HARNESS. 1) Disconnect the connectors (7AG) and (8AG). 2) Remove the combination meter. 3) Measure the resistance between the combination meter connector and test harness AG connector (2AG). <i>Connector & terminal</i> <i>(2AG) No. 5 — (i10) No. 36:</i>	Is the resistance less than 10 Ω?	Check the combination meter.	Go to step 7.
7 CHECK POOR CONTACT OF CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground terminal, and wait 60 seconds or more. 2) Confirm that the connectors between the airbag control module and the combination meter are securely connected.	Is there poor contact of connector?	Repair the bulkhead harness or replace the airbag main harness along with body harness.	Go to step 8.
8 CHECK AIRBAG MAIN HARNESS. Check the airbag main harness for defect.	Is there any defect in the airbag main harness?	Replace the airbag main harness along with bulkhead harness.	Repair the bulkhead harness.

B: AIRBAG WARNING LIGHT REMAINS OFF

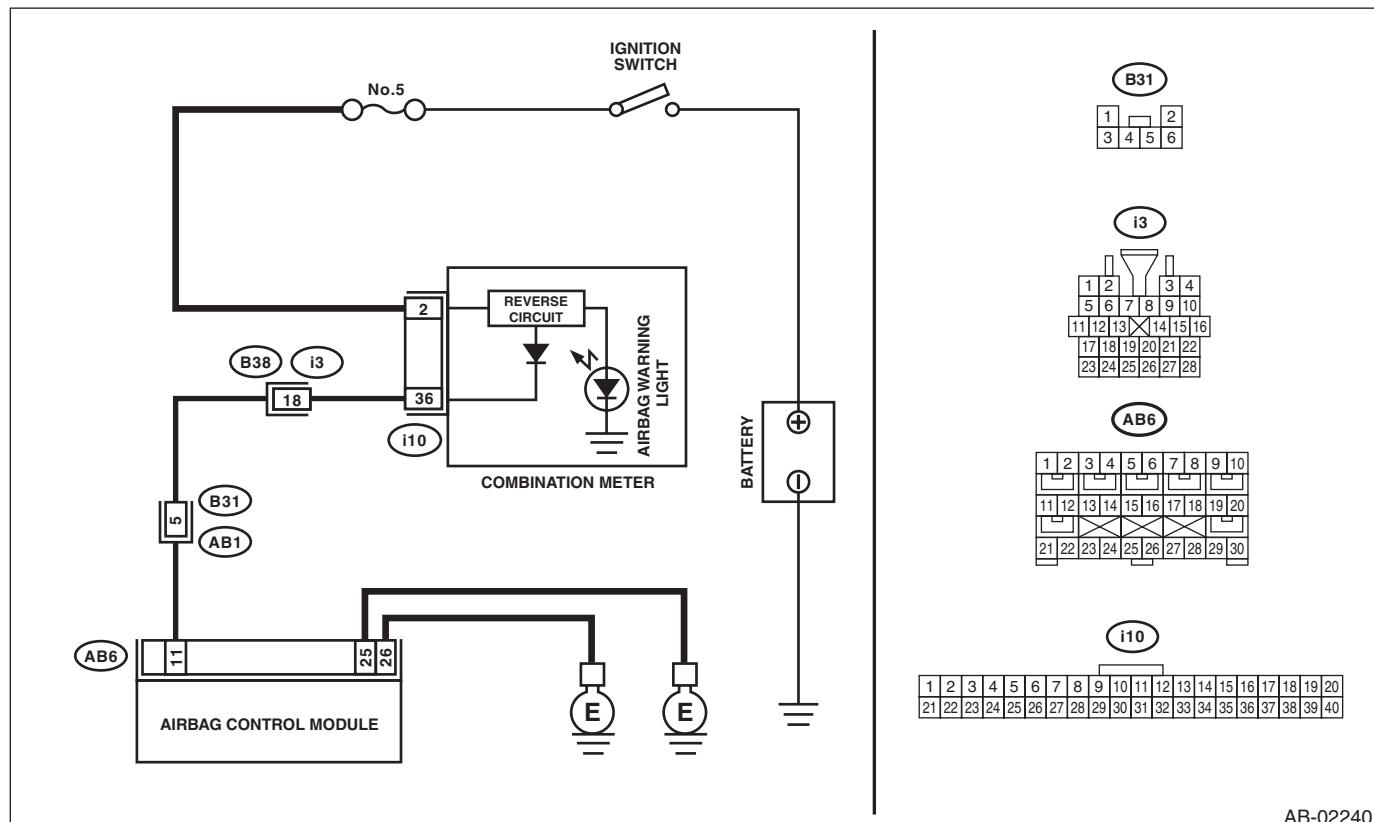
DETECTING CONDITION:

- Fuse No. 5 (in fuse & relay box) is blown out.
- Body harness circuit is open.
- Airbag warning light is faulty.
- Airbag main harness is faulty.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait 60 seconds or more before starting to work.
- When replacing the airbag module, seat belt pretensioner, roll connector, control module and sensor, reconnect each part and check that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the airbag rear harness, disconnect the side airbag module connector, curtain airbag module connector and seat belt pretensioner connector for safety reasons.

WIRING DIAGRAM:



Step	Check	Yes	No
1 CHECK COMBINATION METER. Turn the ignition switch to ON, and confirm that warning lights of combination meter illuminate.	Do warning lights except for airbag illuminate?	Go to step 2.	Check the combination meter.
2 CHECK DTC. Read the DTC. <Ref. to AB(diag)-26, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3 CHECK FUSE. Remove fuse No. 5 from the fuse & relay box, and perform visual inspection.	Is the fuse OK?	Go to step 4.	Replace the fuse. If the fuse is blown out again, go to step 4.

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AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
4 CHECK AIRBAG WARNING LIGHT CIRCUIT (IN COMBINATION METER). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB1) and (B31). 3) Connect the battery ground terminal and turn the ignition switch to ON.	Does airbag warning light illuminate?	Go to step 5.	Check the combination meter.
5 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Connect the connector (AB1) and (B31). 3) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does airbag warning light illuminate?	Replace the airbag control module. <Ref. to AB-22, Airbag Control Module.>	Replace the airbag main harness along with bulk-head harness.