

10. Airbag Warning Light Failure S002681

A: AIRBAG WARNING LIGHT REMAINS ON. S002681E28

DIAGNOSIS:

- 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.
- (AB1) and (B31) are not connected properly.
- (AB6) is not connected properly to airbag control module.

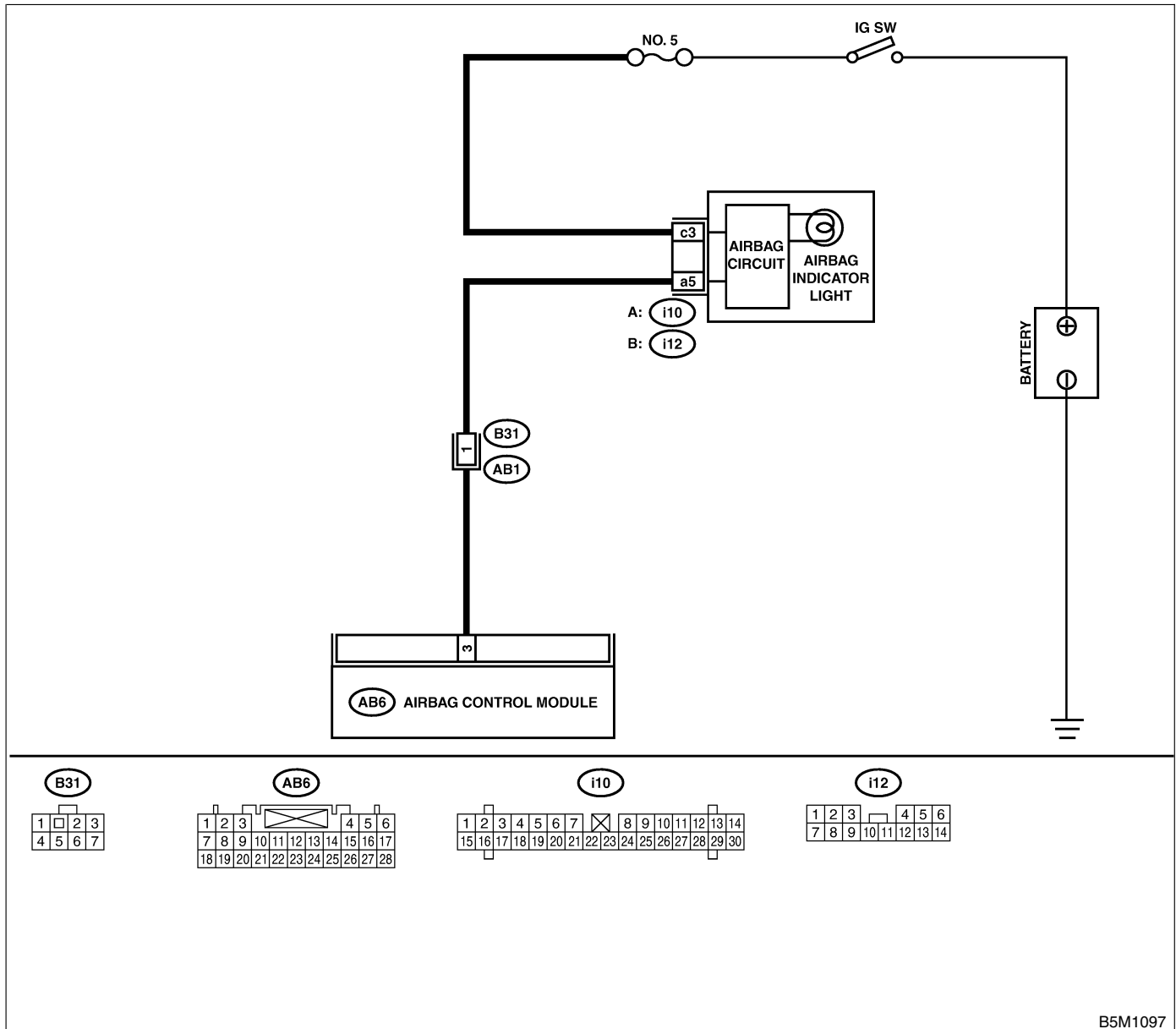
CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

AIRBAG WARNING LIGHT FAILURE

Airbag System (DIAGNOSTICS)

WIRING DIAGRAM:



No.	Step	Check	Yes	No
1	CHECK POOR CONTACT IN CONNECTORS (AB1) AND (B31). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the instrument panel lower cover. 3) Confirm that firm contact is secured between connectors (AB1) and (B31).	Is the poor contact in double lock of connectors (AB1) and (B31)?	Repair the body harness or replace airbag main harness.<Ref. to AB-16, Main Harness.>	Go to step 2.

AIRBAG WARNING LIGHT FAILURE

Airbag System (DIAGNOSTICS)

No.	Step	Check	Yes	No
2	<p>CHECK AIRBAG WARNING LIGHT.</p> <p>1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.</p> <p>2) Connect the connector (1A) in test harness A to the body harness connector (B31).</p> <p>3) Connect the battery ground cable and turn the ignition switch ON.</p> <p>4) Connect two connectors, (3A) and (4A) in test harness A.</p>	Is the airbag warning light turned off?	Go to step 4.	Go to step 3.
3	<p>CHECK BODY HARNESS.</p> <p>Check the body harness.</p> <p>NOTE: After problem has been eliminated, disconnect connectors (3A) and (4A).</p>	Is there anything unusual to body harness?	Repair the body harness.	Replace combination meter printed circuit. <Ref. to IDI-11, Combination Meter Assembly.>
4	<p>CHECK POOR CONTACT.</p> <p>Confirm that firm contact is secured between the air bag control module and the connector (AB6). <Ref. to AB-18, Airbag Control Module.></p>	Is there poor contact in connector (AB6)?	Replace airbag main harness. <Ref. to AB-16, Main Harness.> or Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.>	Go to step 5.
5	<p>CHECK AIRBAG MAIN HARNESS.</p> <p>1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.</p> <p>2) Connect the connector (AB1) to (B31).</p> <p>3) Disconnect connectors (AB3) and (AB8).</p> <p>4) Pull out the two stopper pins and lower the glove box and disconnect connectors (AB10) and (AB9).</p> <p>5) Disconnect the connector (AB6) from the airbag control module, and connect the connector (11) in test harness I or I2. <Ref. to AB-18, Airbag Control Module.></p> <p>6) Connect the battery ground cable and turn the ignition switch ON.</p> <p>7) Connect connectors (4I) and (5I) in test harness I2.</p> <p>NOTE: After problem has been eliminated, disconnect connectors (4I) and (5I).</p>	Is the airbag warning light turned off?	Go to step 6.	Replace airbag main harness. <Ref. to AB-16, Main Harness.>
6	<p>CHECK GROUNDING CIRCUIT.</p> <p>1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.</p> <p>2) Disconnect the connector (AB1) from the body harness connector (B31).</p> <p>3) Connect the connector (1A) in test harness A to body harness connector (B31).</p> <p>4) Measure the resistance between connector (5A) in test harness A and the chassis ground.</p> <p>Connector & terminal (5A) No. 17 — Chassis ground: (5A) No. 18 — Chassis ground:</p>	Is the resistance less than 10 Ω?	Go to step 7.	Repair body-grounding circuit.

AIRBAG WARNING LIGHT FAILURE

Airbag System (DIAGNOSTICS)

No.	Step	Check	Yes	No
7	<p>CHECK AIRBAG MAIN HARNESS.</p> <p>1) Connect the connector (AB1) to (B31).</p> <p>2) Disconnect the connector (AB6) from the airbag control module, and connect the connector (11) in test harness I2. <Ref. to AB-18, Airbag Control Module.></p> <p>3) Measure the resistance between connector (21) in test harness I2 and the chassis ground.</p> <p>Connector & terminal</p> <p><i>(21) No. 9 — Chassis ground:</i></p> <p><i>(21) No. 10 — Chassis ground:</i></p>	Is the resistance less than 10 Ω?	Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-16, Main Harness.>

AIRBAG WARNING LIGHT FAILURE

Airbag System (DIAGNOSTICS)

B: AIRBAG WARNING LIGHT REMAINS OFF. S002681E27

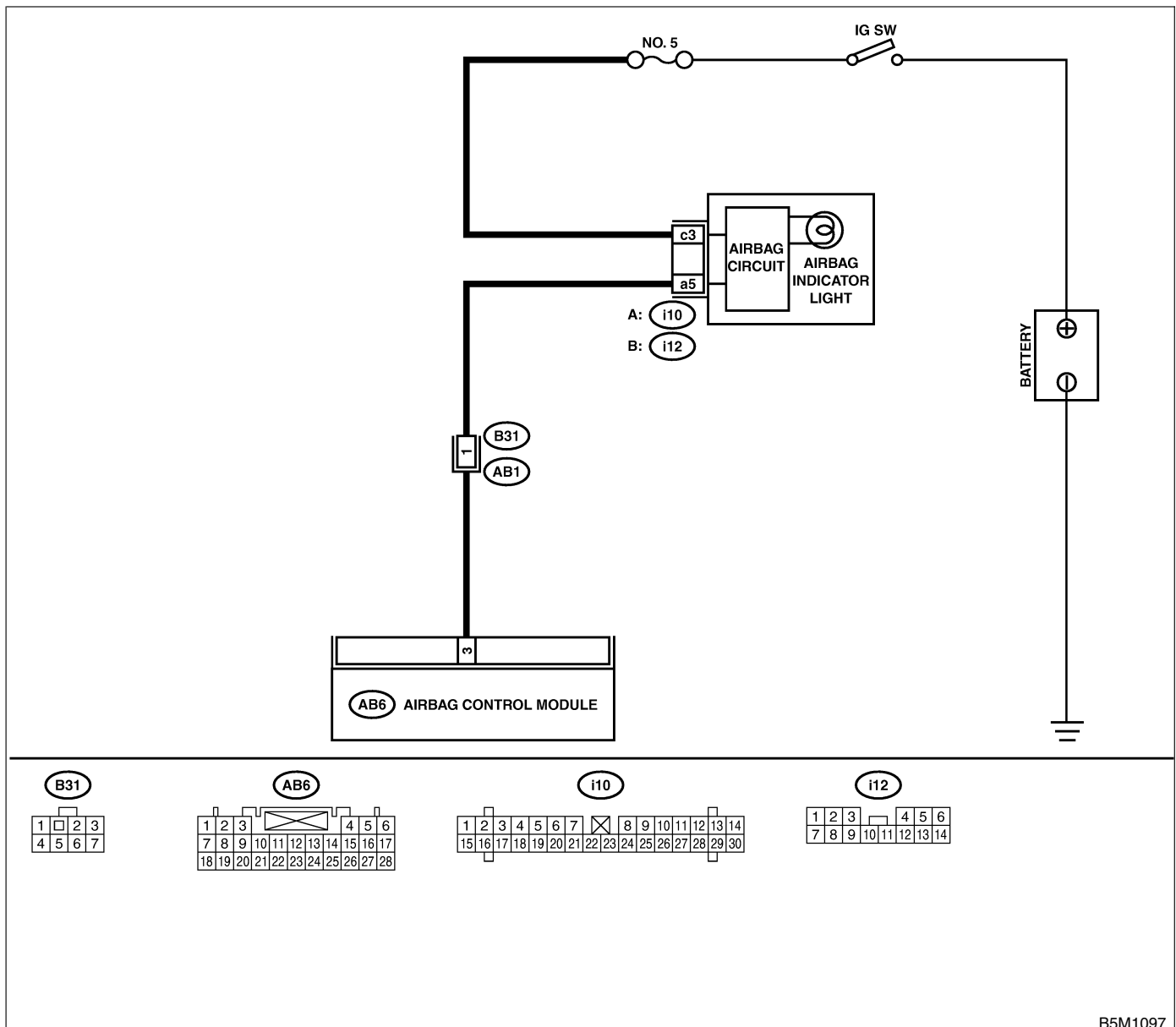
DIAGNOSIS:

- Fuse No. 5 (in fuse box) is blown.
- 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 OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

WIRING DIAGRAM:



B5M1097

AIRBAG WARNING LIGHT FAILURE

Airbag System (DIAGNOSTICS)

No.	Step	Check	Yes	No
1	CHECK COMBINATION METER. Turn the ignition switch ON, and confirm that warning lights equipped in the combination meter are turned on.	Do warning lights not for the airbag turn on?	Go to step 2.	Repair combination meter power supply. <Ref. to IDI-4, Combination Meter System.>
2	CHECK FUSE NO. 5 (IN MAIN FUSE BOX). Remove fuse No. 5 and perform visual inspection.	Is fuse No. 5 (in main fuse box) blown?	Replace fuse No. 5. If fuse No. 5 blows again, go to step 3.	Go to step 3.
3	CHECK AIRBAG WARNING LIGHT CIRCUIT (IN COMBINATION METER). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB1) from (B31). 3) Connect the battery ground cable and turn the ignition switch ON.	Is the airbag warning light turned on?	Go to step 4.	Replace airbag warning light bulb or combination meter printed circuit. <Ref. to IDI-11, Combination Meter Assembly.>
4	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Connect the connector (AB1) to (B31). 3) Disconnect the connector (AB6) from the airbag control module. <Ref. to AB-18, Airbag Control Module.> 4) Connect the battery ground cable and turn the ignition switch ON.	Is the airbag warning light turned on?	Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-16, Main Harness.>