

## 11. Airbag Warning Light Failure

### A: AIRBAG WARNING LIGHT REMAINS ON.

#### DIAGNOSIS:

- Airbag warning light unit 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.

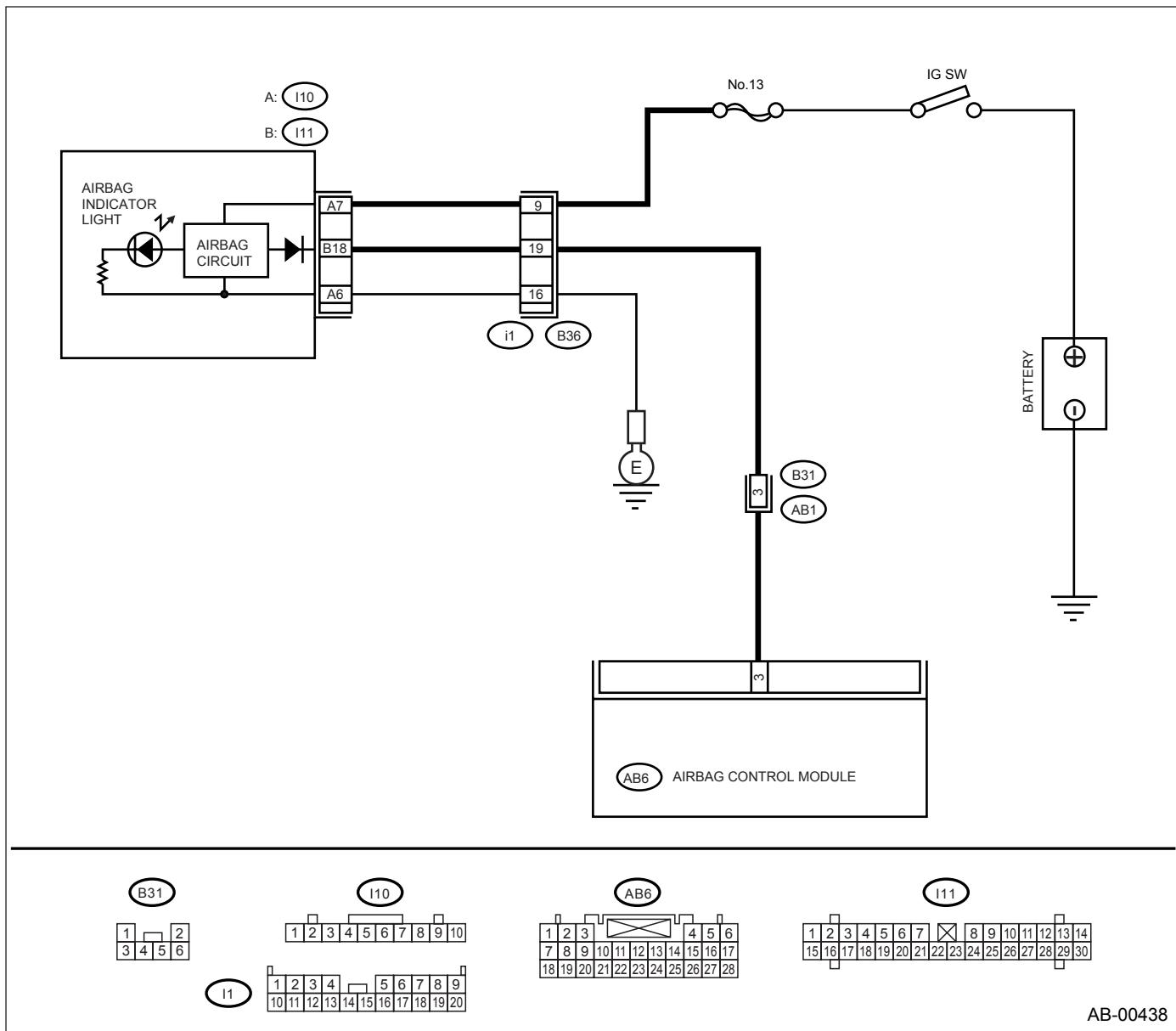
#### CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground terminal from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, seat belt pretensioner, 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:



Step	Check	Yes	No
<b>1 CHECK POOR CONTACT IN CONNECTORS (AB1) AND (B31).</b> <p>1)Turn the ignition switch OFF, disconnect the battery ground terminal, and wait more than 20 seconds.  2)Remove the side sill cover. (Driver's side)  3)Confirm that firm contact is secured between connectors (AB1) and (B31).  Is there a poor contact in connector (AB1) or (B31)?</p>	There is no poor contact in connector (AB1) or (B31).	Go to step 2.	Repair the body harness or replace the body harness with airbag main harness.

# AIRBAG WARNING LIGHT FAILURE

## AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
<b>2 CHECK AIRBAG WARNING LIGHT.</b> 1)Turn the ignition switch OFF, disconnect the battery ground terminal, and wait more than 20 seconds. 2)Connect the connector (1M) in the test harness M to the body harness connector (B31). 3)Connect the battery ground terminal and turn the ignition switch ON. 4)Connect two connectors, (3M) and (4M) in the test harness M. Is the airbag warning light turned off?	The airbag warning light is turned OFF.	Go to step 4.	Go to step 3.
<b>3 CHECK BODY HARNESS.</b> Check the body harness. Are there any problems with the body harness? NOTE: After problem has been eliminated, disconnect connectors (3M) and (4M).	There is no problem with the body harness.	Replace combination meter printed circuit. <Ref. to IDI-12, Combination Meter Assembly. >	Repair the body harness.
<b>4 CHECK POOR CONTACT.</b> Confirm that the firm contact is secured between the airbag control module and the connector (AB6). <Ref. to AB-15, Airbag Control Module. > Is there a poor contact in connector (AB6)?	There is no poor contact in connector (AB6).	Go to step 5.	Replace the body harness with airbag main harness or replace the airbag control module. <Ref. to AB-15, Airbag Control Module. >
<b>5 CHECK AIRBAG MAIN HARNESS.</b> 1)Turn the ignition switch OFF, disconnect the battery ground terminal, and wait more than 20 seconds. 2)Connect the connector (AB1) to (B31). 3)Disconnect the connectors (AB3) and (AB8). 4)Remove the glove box and disconnect the connectors (AB10) and (AB9). 5)Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in the test harness I or I2. <Ref. to AB-15, Airbag Control Module. > 6)Connect the battery ground terminal and turn the ignition switch ON. 7)Connect the connectors (4I) and (5I) in the test harness I or I2. Is the airbag warning light turned off? NOTE: After problem has been eliminated, disconnect connectors (4I) and (5I).	The airbag warning light is turned OFF.	Go to step 6.	Replace the body harness with airbag main harness.

# AIRBAG WARNING LIGHT FAILURE

## AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
<b>6 CHECK GROUNDING CIRCUIT.</b> 1)Turn the ignition switch OFF, disconnect the battery ground terminal, and wait more than 20 seconds. 2)Disconnect the connector (AB6) from the airbag control module. 3)Connect the connector (1I) in the test harness I or I2 to body harness connector (AB6). 4)Measure the resistance between connector (2I) in the test harness I or I2 and the chassis ground. Is the measured value less than the specified value? <i>Connector &amp; terminal</i> (2I) No. 9 — Chassis ground: (2I) No. 10 — Chassis ground:	10 Ω	Replace the airbag control module. <Ref. to AB-15, Airbag Control Module.>	Repair body-grounding circuit.

## **AIRBAG WARNING LIGHT FAILURE**

AIRBAG SYSTEM (DIAGNOSTICS)

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# AIRBAG WARNING LIGHT FAILURE

## AIRBAG SYSTEM (DIAGNOSTICS)

## **B: AIRBAG WARNING LIGHT REMAINS OFF.**

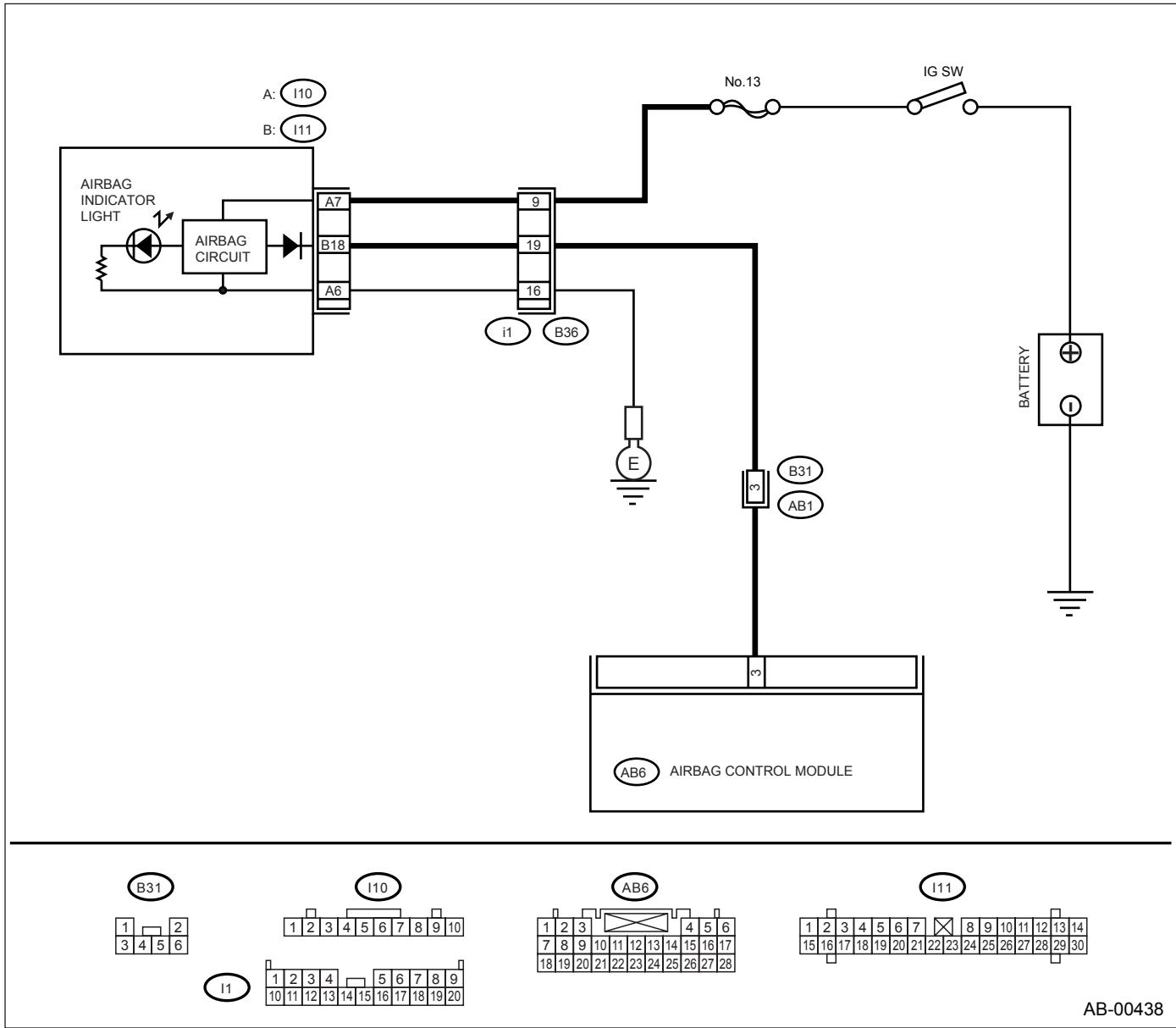
## **DIAGNOSIS:**

- Fuse No. 13 (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 terminal from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, seat belt pretensioner, 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:



# AIRBAG WARNING LIGHT FAILURE

## AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
<b>1 CHECK COMBINATION METER.</b> 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?	The warning lights not for the airbag also turn on.	Go to step 2.	Repair the combination meter power supply. <Ref. to IDI-4, Combination Meter System.>
<b>2 CHECK FUSE NO. 13 (IN MAIN FUSE BOX).</b> Remove the fuse No. 13 and perform visual inspection. Is the fuse No. 13 blown?	Fuse No. 13 is not blown.	Go to step 3.	Replace the fuse No. 13. If the fuse No. 13 blows again, go to step 3.
<b>3 CHECK AIRBAG WARNING LIGHT CIRCUIT (IN COMBINATION METER).</b> 1) Turn the ignition switch OFF, disconnect the battery ground terminal, and wait more than 20 seconds. 2) Disconnect the connector (AB1) from (B31). 3) Connect the battery ground terminal and turn the ignition switch ON. Is the airbag warning light turned on?	The airbag warning light turns on.	Go to step 4.	Replace the airbag warning light bulb or combination meter printed circuit. <Ref. to IDI-12, Combination Meter Assembly.>
<b>4 CHECK AIRBAG MAIN HARNESS.</b> 1) Turn the ignition switch OFF, disconnect the battery ground terminal, 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-15, Airbag Control Module.> 4) Connect the battery ground terminal and turn the ignition switch ON. Is the airbag warning light turned on?	The airbag warning light turns on.	Replace the airbag control module. <Ref. to AB-15, Airbag Control Module.>	Replace the body harness with airbag main harness.