

16. Airbag Module Disposal (Deployment Processing on Vehicle)

A: PROCEDURE

WARNING:

Make sure to follow the instructions below. Otherwise, personal injuries may occur.

- Before discarding an airbag module, always perform an operation process to prevent any false activation.
- Wear protective gloves, safety goggles and earplugs during this operation. Wash your hands afterwards.
- Do not touch the airbag module just after activation because it is very hot. Before handling it for disposal, wait for 40 minutes.

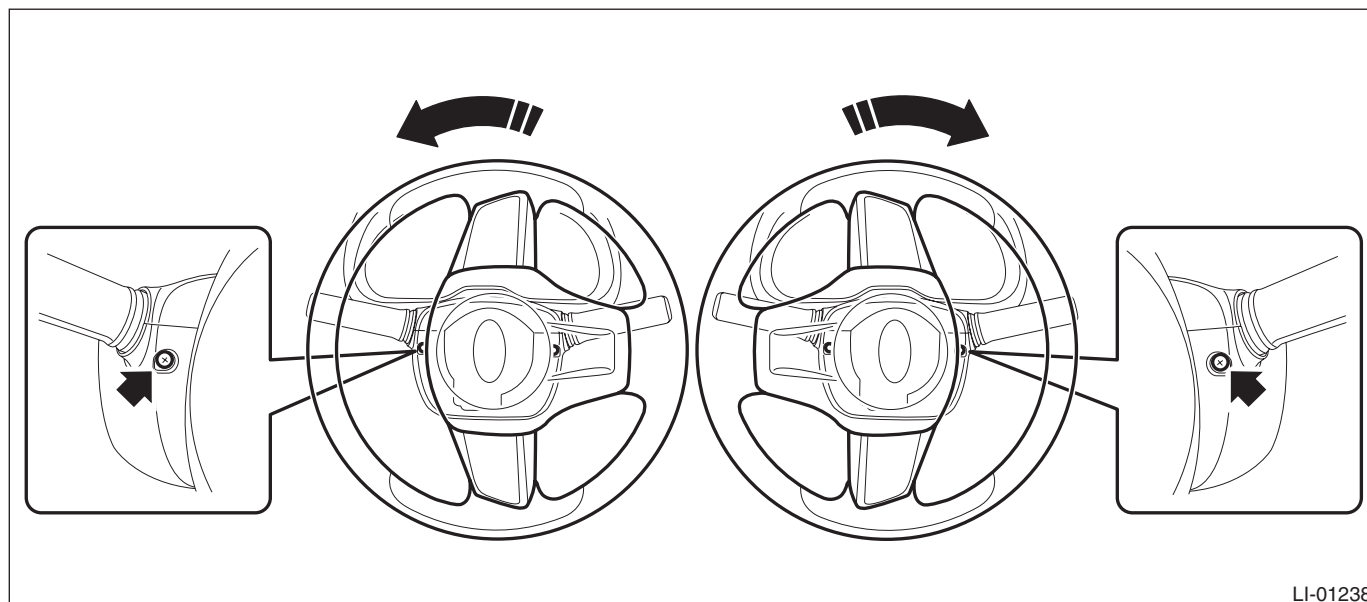
CAUTION:

- Airbag module operation process should be performed on a flat place in safety area. Do not perform the process outdoors when there is rain or strong wind.
- Activating an airbag module causes a high explosive noise, be sure to warn people in the area, and do not allow anyone within 5 m (16 ft) radius of the disposal site.
- After activating the airbag module, smoke may arise. Therefore, it must be activated in a well-ventilated place with no smoke detector nearby.
- Do not expose the activated airbag module to water.
- Wrap the activated airbag module in a sealed vinyl bag when discarding.
- If it is impossible to perform an airbag module operation process due to some situational reasons, consult SUBARU dealership or one of the authorized workshops.

1. DRIVER'S AIRBAG MODULE

1) Remove the steering column cover.

(1) Remove the screws by turning the steering wheel to right and left.



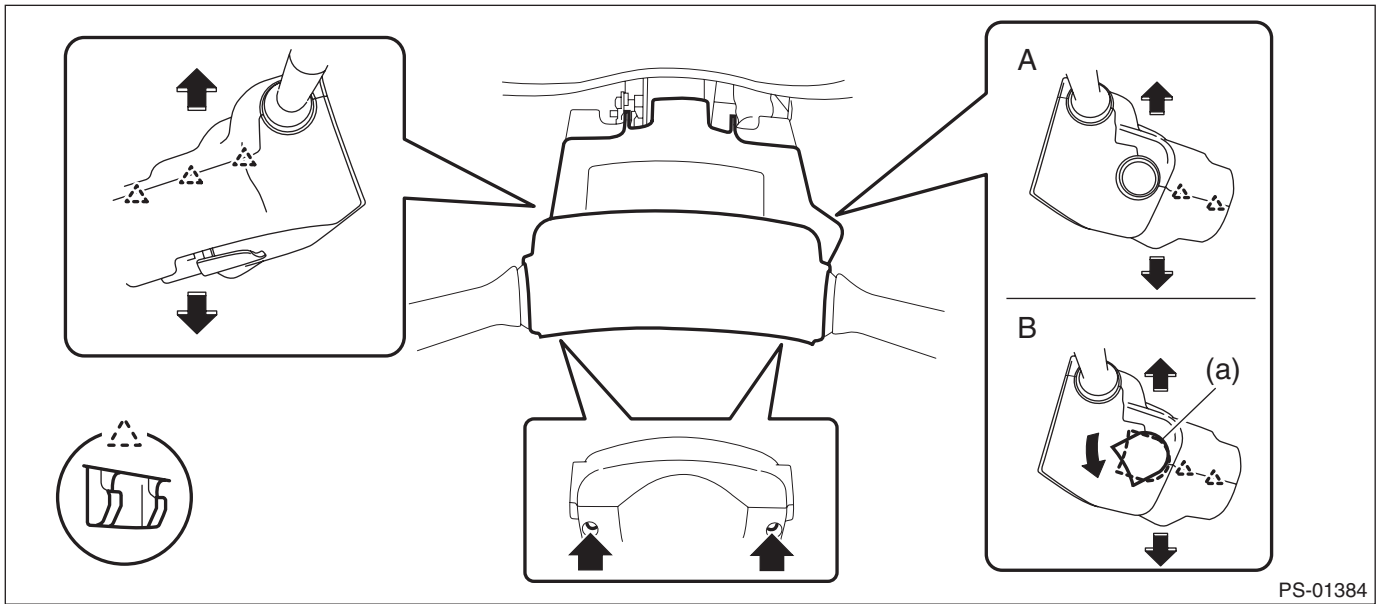
LI-01238

(2) Remove the cap - key cylinder (a). (Model with keyless access)

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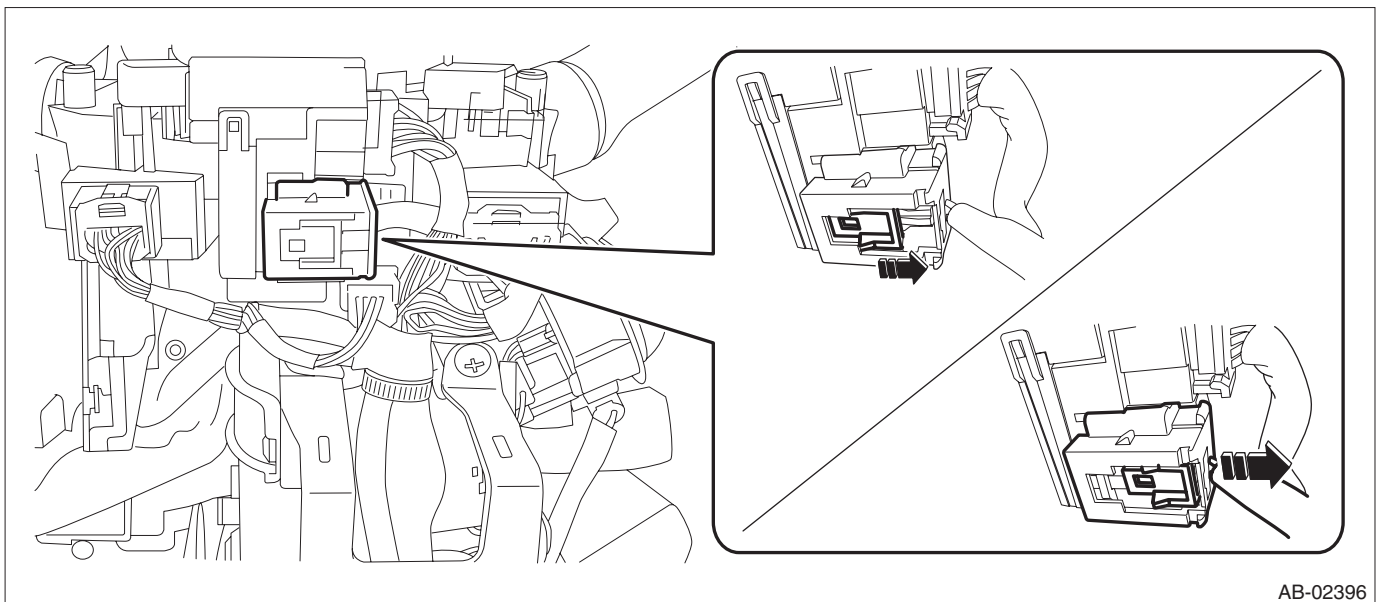
(3) Release the claw, and remove the cover assembly - column UPR and the cover assembly - column LWR.



A Model without keyless access

B Model with keyless access

2) Disconnect the driver's airbag module connector.

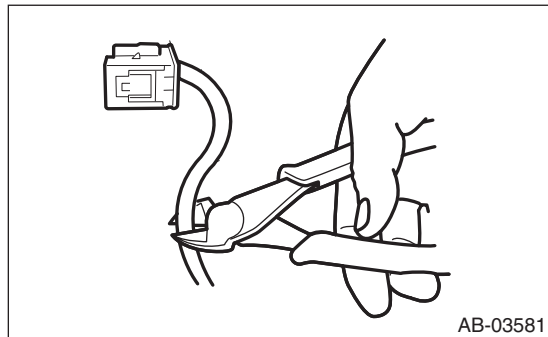


Airbag Module Disposal (Deployment Processing on Vehicle)

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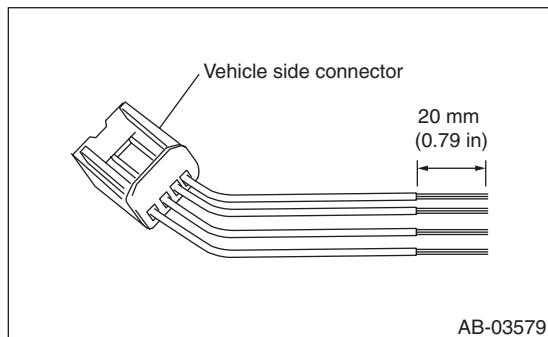
3) Cut off the harness on the body side of the removed connector approx. 70 mm (2.76 in) from the edge of the connector.

Preparation tool:
Nippers

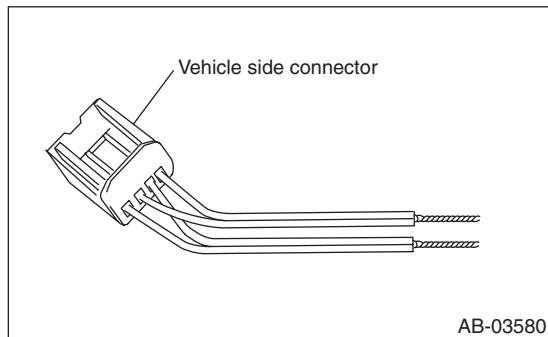


4) Peel off the shield approx. 20 mm (0.79 in) from the four harnesses of the removed body side connector.

Preparation tool:
Wire stripper



5) Twist the end of harness as shown in the figure.

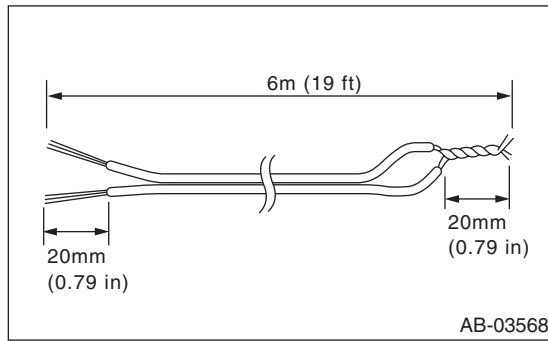


6) Prepare two vinyl-shielded parallel wires of 6 m (19 ft) long. Peel off the shield of both ends approx. 20 mm (0.79 in) and twist one end together into shorted condition.

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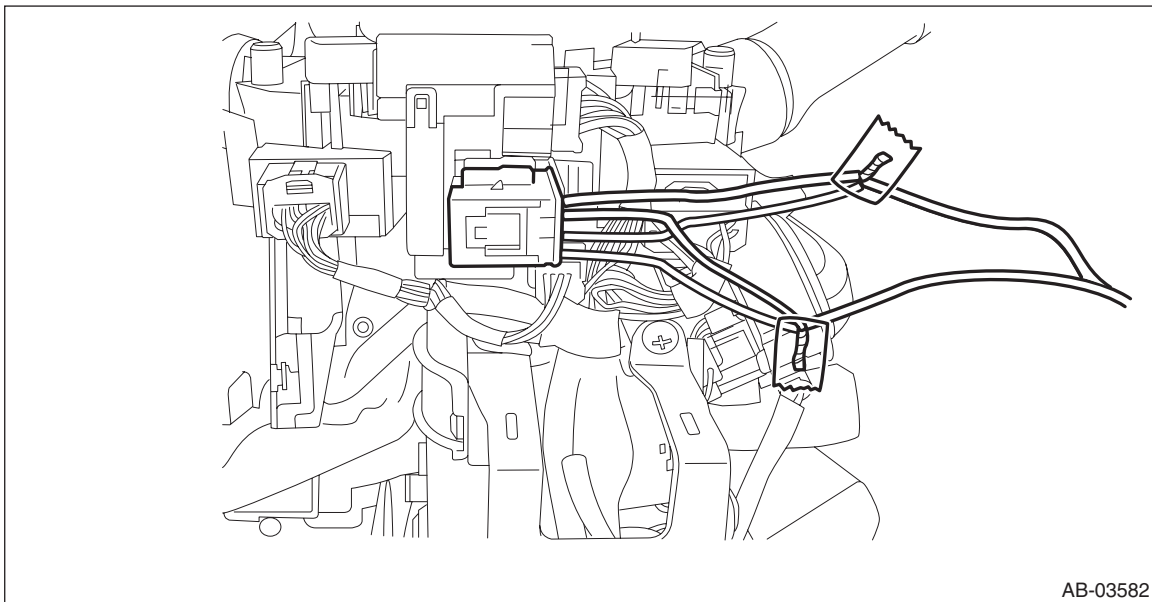
7) The other end, not shorted, will be connected to harnesses of repaired body connector as shown in the figure, and insulated with vinyl tape.



NOTE:

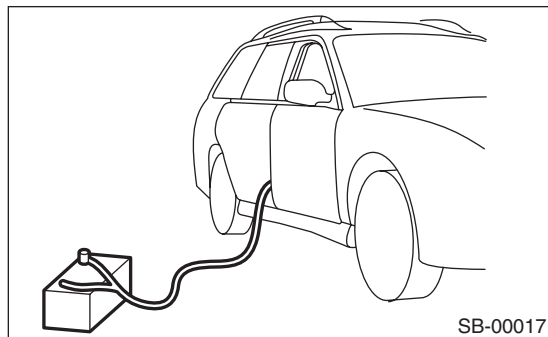
No concern about polarity.

8) After completing the connecting work, connect the body side connector to the connector of the airbag connector lower side again.



9) Bring the vinyl wire for operation out of the vehicle and make sure there is no person in the vehicle.

10) Extend the wiring of airbag deployment tool to the limit, and close all the windows, sunroof and rear gate completely.



11) Move the battery at least 5 m (16 ft) from the vehicle, and confirm safety in the area.

12) Connect the airbag deployment tool alligator clip to the battery negative (–) terminal.

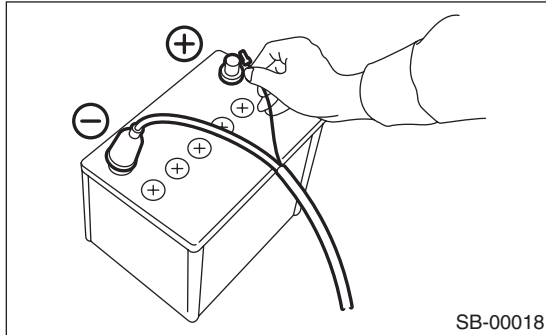
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13) Connect the other cable of airbag deployment tool to the battery positive (+) terminal, and activate the airbag module.

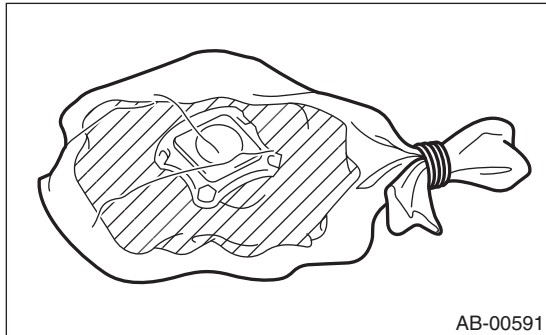
CAUTION:

- After activation, the airbag module will be extremely hot. Let it cool down for at least 40 minutes in an area with no one around.
- Do not expose the activated airbag module to water.



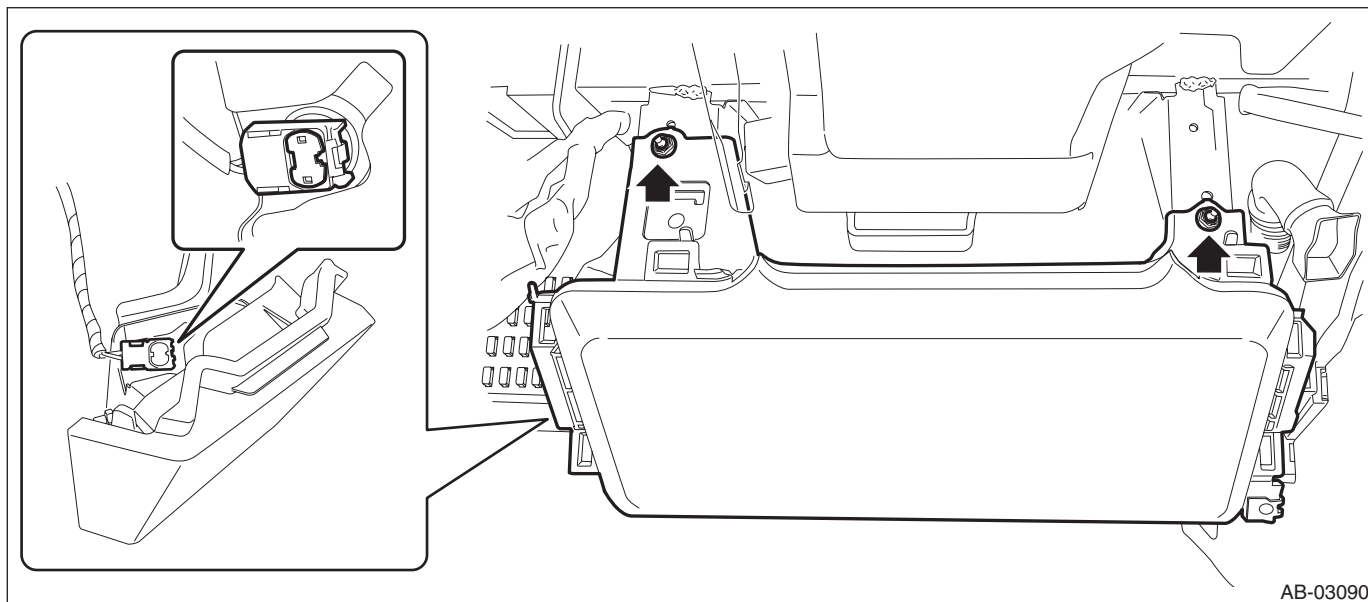
14) Remove the driver's airbag module.<Ref. to AB-39, REMOVAL, Driver's Airbag Module.>

15) Place the activated airbag module in a sealed vinyl bag, then discard.



2. KNEE AIRBAG MODULE

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Remove the cover assembly - instrument panel LWR driver.
- 4) Remove the nuts to remove the knee airbag module and disconnect the harness connector. <Ref. to AB-22, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>



- 5) Short the terminal to the alligator clip furnished as airbag deployment tool.

CAUTION:

The airbag deployment tool should be kept shorted on the terminals until just before activation of airbag module.

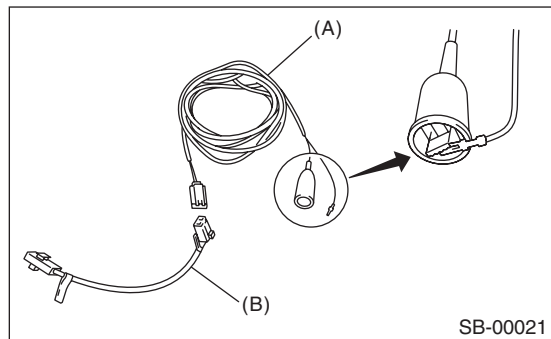
Preparation tool:

ST: AIRBAG DEPLOYMENT TOOL (98299PA030)

- 6) Connect the airbag deployment tool (A) and test harness adapter D (B).

Preparation tool:

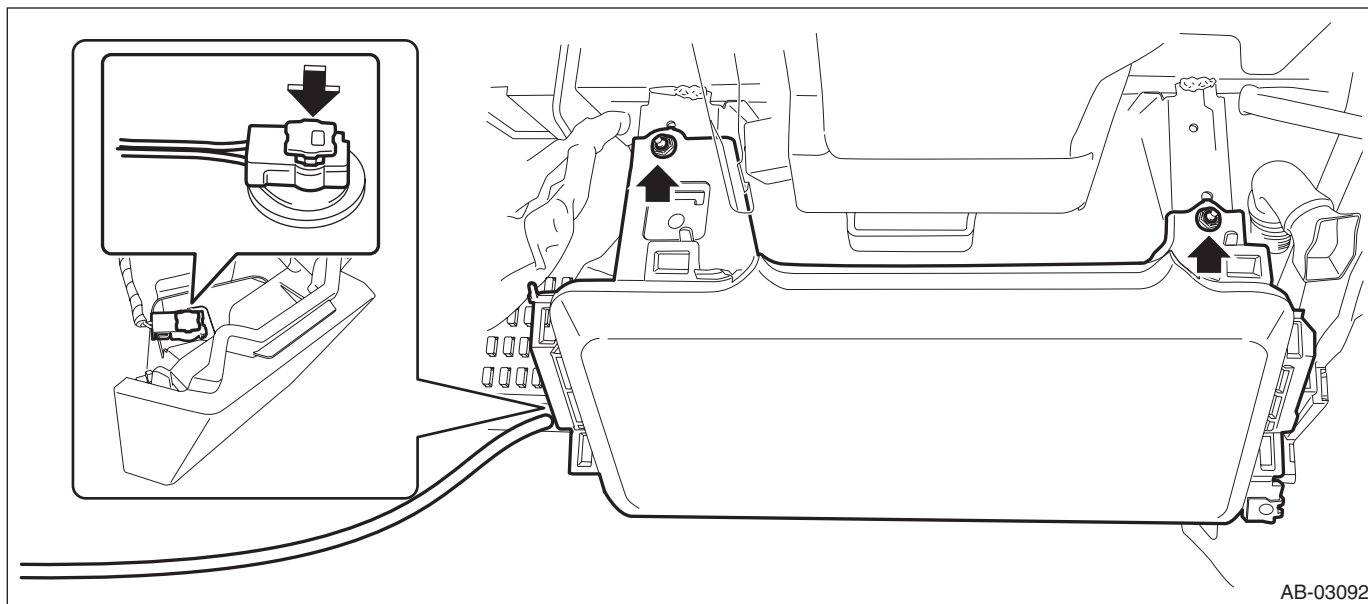
ST: TEST HARNESS ADAPTER D (98299SA010)



Airbag Module Disposal (Deployment Processing on Vehicle)

AIRBAG SYSTEM

7) Connect the test harness adapter D to the knee airbag module and install the knee airbag module to the vehicle again.

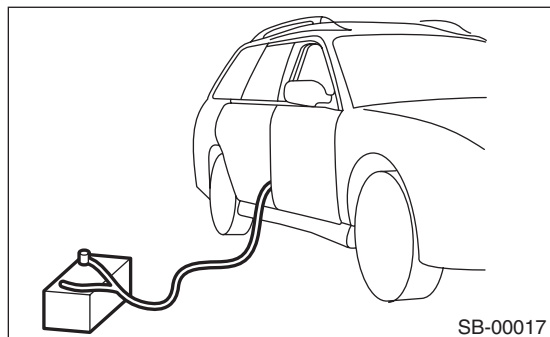


Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

8) Make sure there is no one inside the vehicle.

9) Extend the wiring of airbag deployment tool to the limit, and close all the windows, sunroof and rear gate completely.



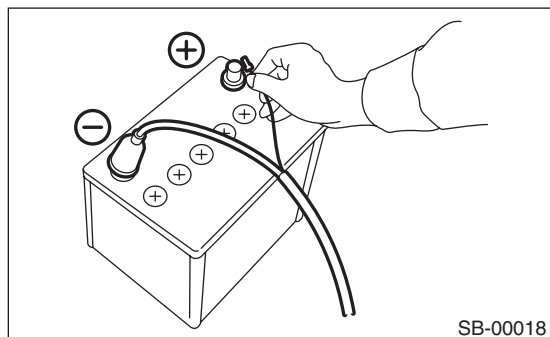
10) Move the battery at least 5 m (16 ft) from the vehicle, and confirm safety in the area.

11) Connect the airbag deployment tool alligator clip to the battery negative (–) terminal.

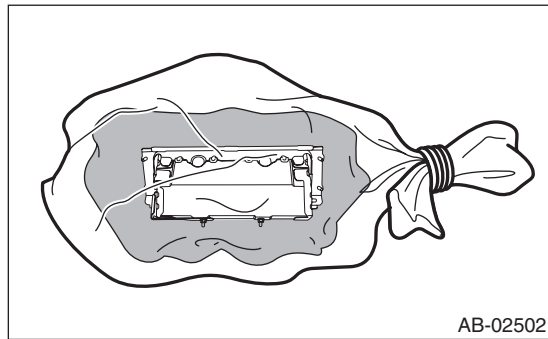
12) Connect the other cable of airbag deployment tool to the battery positive (+) terminal, and activate the airbag module.

CAUTION:

- After activation, the airbag module will be extremely hot. Let it cool down for at least 40 minutes in an area with no one around.
- Do not expose the activated airbag module to water.



- 13) Remove the bolts and remove knee airbag module.
- 14) Place the activated airbag module in a sealed vinyl bag, then discard.

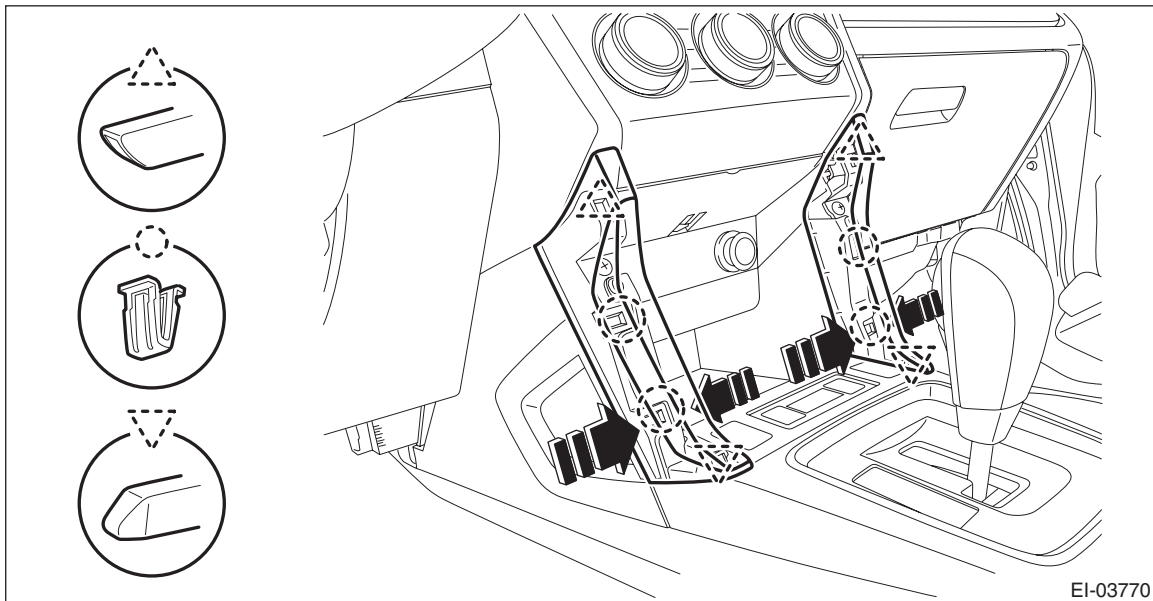


NOTE:

When necessary, fold the fabric part of airbag into three or four sections, rope and seal in a vinyl bag.

3. PASSENGER'S AIRBAG MODULE

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Release the clips, and remove the ornament panel - console.



NOTE:

Removal is easier if you grab the arrow sections from right and left and pull them at the same time.

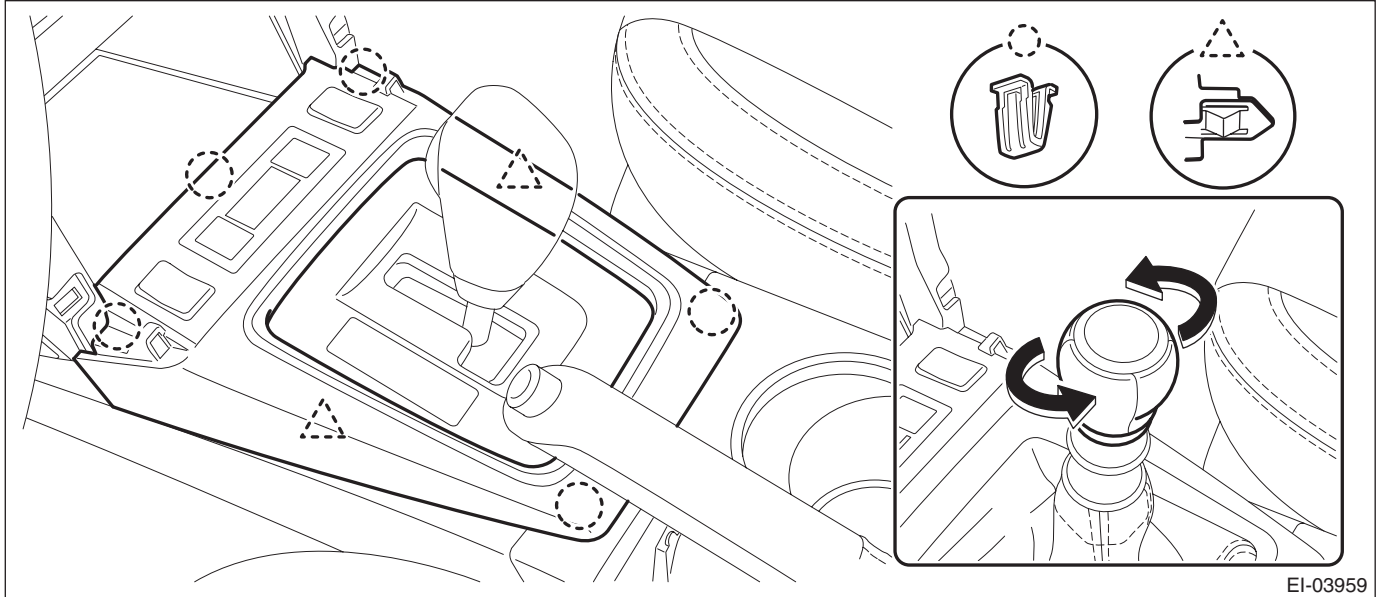
Airbag Module Disposal (Deployment Processing on Vehicle)

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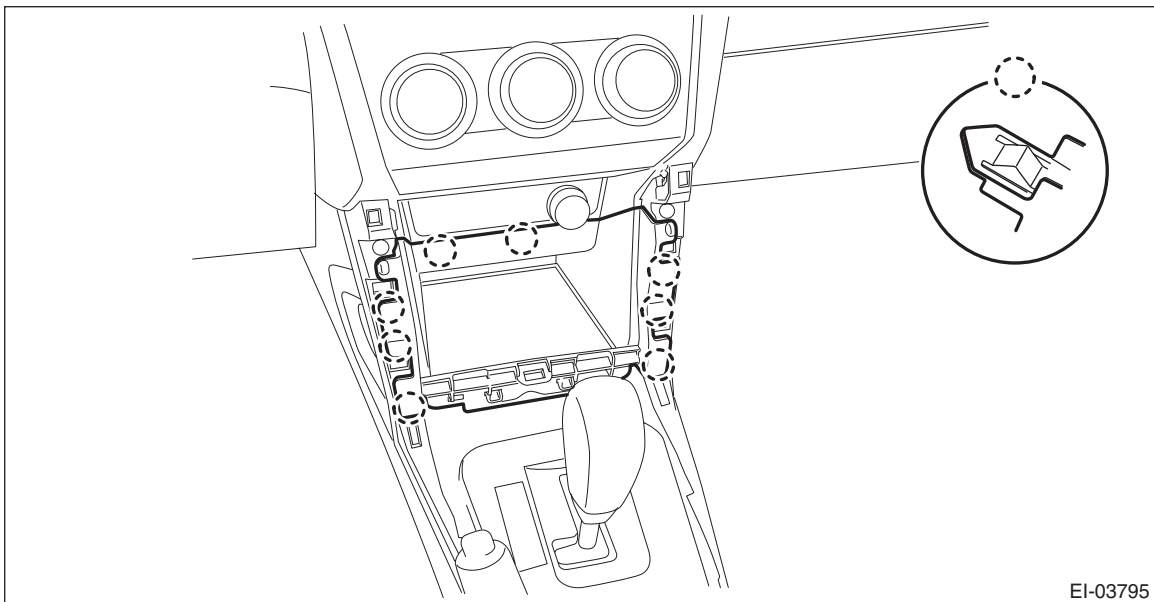
4) Remove the cover - shift lever.

(1) Remove the shift knob. (MT model)

(2) Release the clips and claws, then pull up the cover - shift lever.

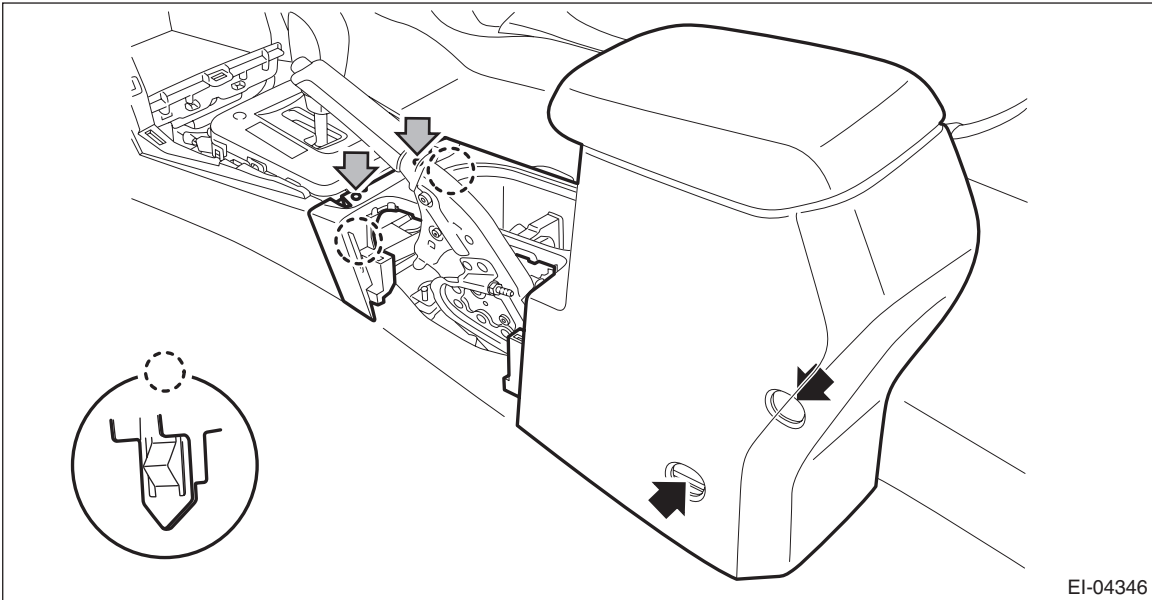


5) Release the claws, and remove the tray assembly - CTR LWR.



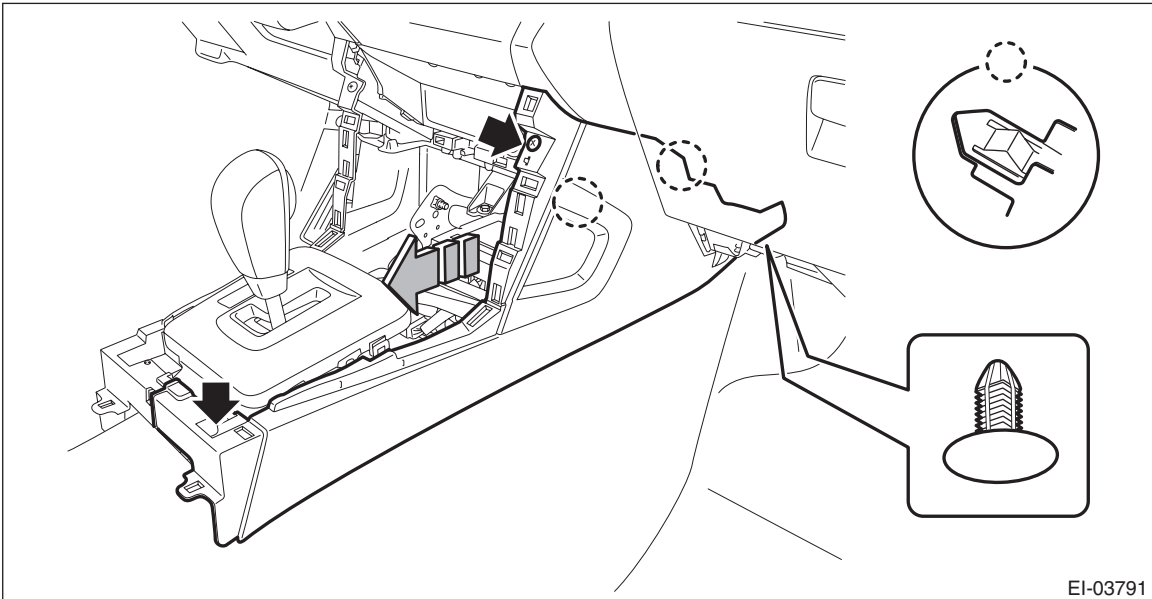
6) Remove the console box assembly.

- (1) Move the seat forward, and remove the bolts after detaching the left and right caps.
- (2) Remove the screws and clips, disconnect the harness connector and remove the console box assembly.



7) Remove the panel center LWR RH.

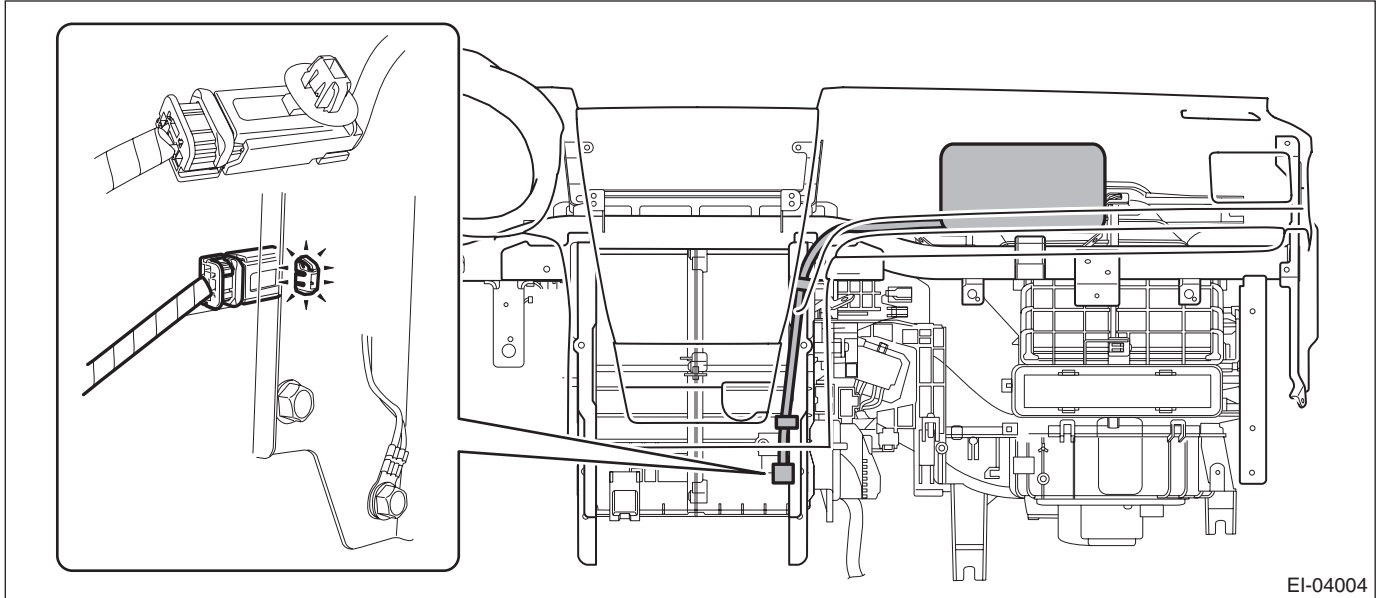
- (1) Remove the screws and clips.
- (2) Release the claws, and pull the panel center LWR RH to remove.



Airbag Module Disposal (Deployment Processing on Vehicle)

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8) Disconnect the passenger's airbag module connector.



9) Short the terminal to the alligator clip furnished as airbag deployment tool.

CAUTION:

The airbag deployment tool should be kept shorted on the terminals until just before activation of air-bag module.

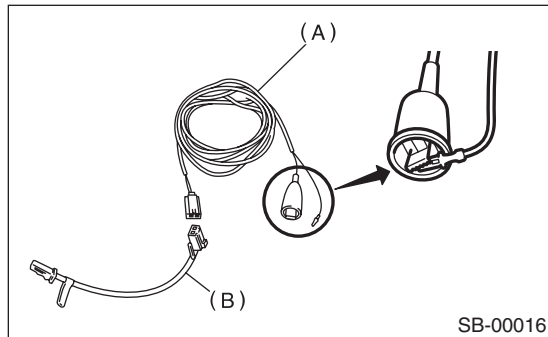
Preparation tool:

ST: AIRBAG DEPLOYMENT TOOL (98299PA030)

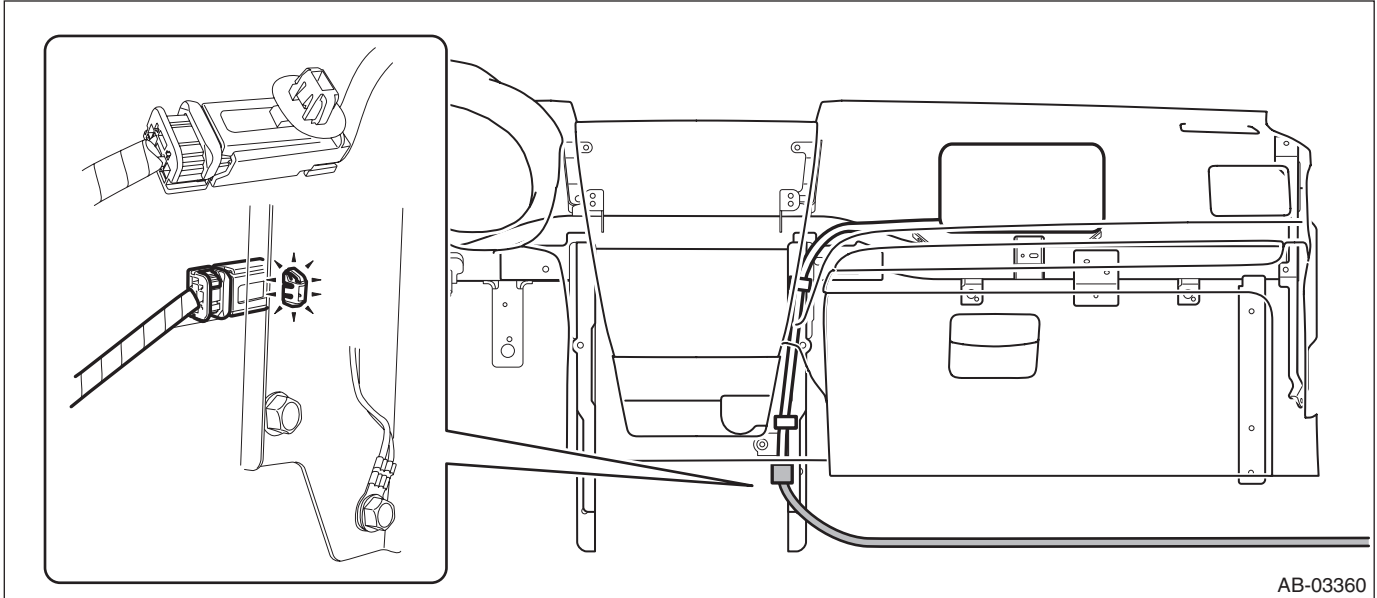
10) Connect airbag deployment tool (A) and test harness adapter AM (B).

Preparation tool:

ST: TEST HARNESS ADAPTER AM (98299FJ000)

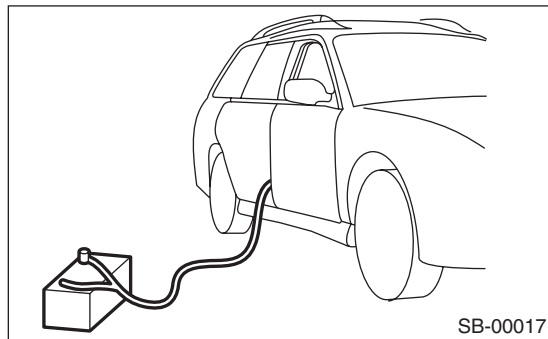


11) Connect test harness adapter AM to airbag connector.



12) Make sure there is no one inside the vehicle.

13) Extend the wiring of airbag deployment tool to the limit, and close all the windows, sunroof and rear gate completely.



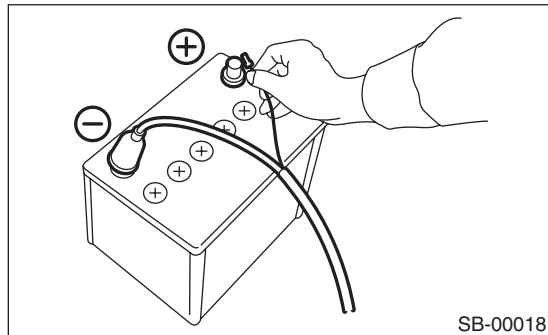
14) Move the battery at least 5 m (16 ft) from the vehicle, and confirm safety in the area.

15) Connect the airbag deployment tool alligator clip to the battery negative (–) terminal.

16) Connect the other cable of airbag deployment tool to the battery positive (+) terminal, and activate the airbag module.

CAUTION:

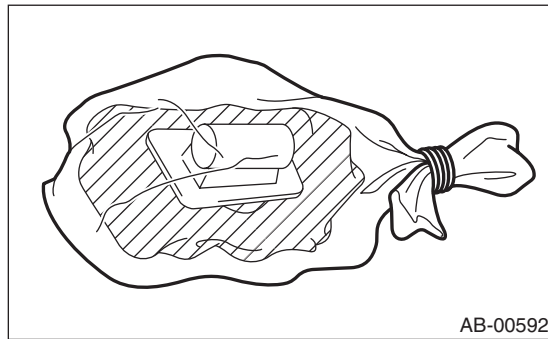
- After activation, the airbag module will be extremely hot. Let it cool down for at least 40 minutes in an area with no one around.
- Do not expose the activated airbag module to water.



Airbag Module Disposal (Deployment Processing on Vehicle)

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- 17) Remove the passenger's airbag module.<Ref. to AB-44, REMOVAL, Passenger's Airbag Module.>
- 18) Place the activated airbag module in a sealed vinyl bag, then discard.



4. SIDE AIRBAG MODULE

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Disconnect the side airbag module connector under the front seat cushion.<Ref. to AB-27, SIDE AIRBAG MODULE, PROCEDURE, Airbag Connector.>
- 4) Adjust both the front seat and front seat backrest to the center positions.
- 5) Short the terminal to the alligator clip furnished as airbag deployment tool.

CAUTION:

The airbag deployment tool should be kept shorted on the terminals until just before activation of air-bag module.

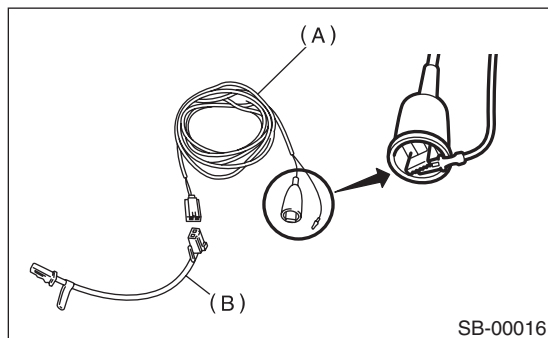
Preparation tool:

ST: AIRBAG DEPLOYMENT TOOL (98299PA030)

- 6) Connect the airbag deployment tool (A) and test harness adapter K (B).

Preparation tool:

ST: TEST HARNESS ADAPTER K (98299FG010)



- 7) Connect the test harness adapter K to side airbag module connector (yellow).

CAUTION:

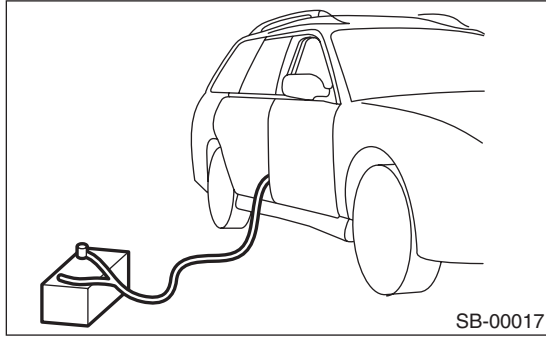
Do not place any object on front seat.

- 8) Make sure there is no one inside the vehicle.

Airbag Module Disposal (Deployment Processing on Vehicle)

AIRBAG SYSTEM

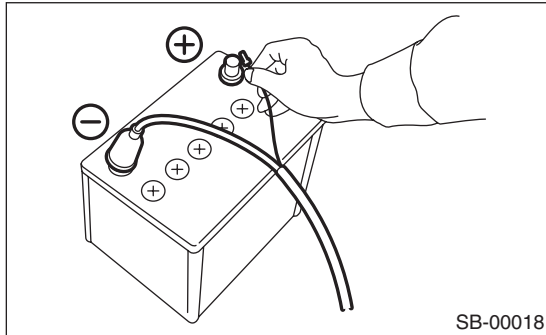
- 9) Extend the wiring of the airbag deployment tool to its limit, and completely close all windows and rear gate.



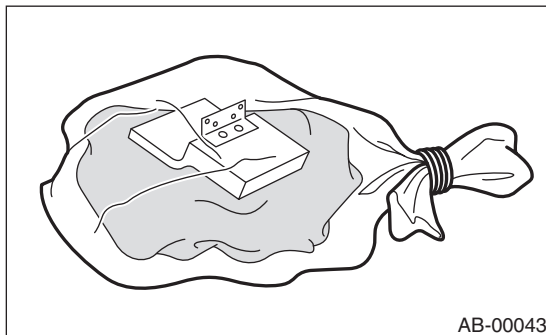
- 10) Move the battery at least 5 m (16 ft) from the vehicle, and confirm safety in the area.
11) Connect the airbag deployment tool alligator clip to the battery negative (–) terminal.
12) Connect the other cable of airbag deployment tool to the battery positive (+) terminal, and activate the airbag module.

CAUTION:

- After activation, the airbag module will be extremely hot. Let it cool down for at least 40 minutes in an area with no one around.
- Do not expose the activated airbag module to water.



- 13) Remove the side airbag module.<Ref. to AB-65, REMOVAL, Side Airbag Module.>
14) Place the activated airbag module in a sealed vinyl bag, then discard.

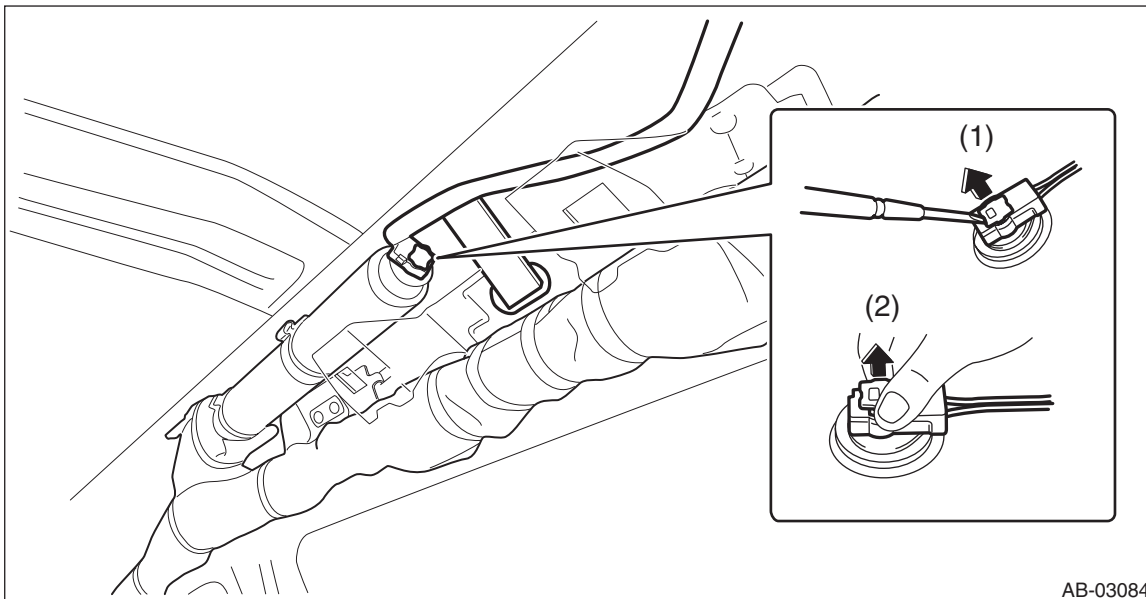


Airbag Module Disposal (Deployment Processing on Vehicle)

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5. CURTAIN AIRBAG MODULE

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Remove the roof trim.<Ref. to EI-109, REMOVAL, Roof Trim.>
- 4) Disconnect the curtain airbag harness.<Ref. to AB-19, PROCEDURE, Airbag Connector.>



- 5) Short the terminal to the alligator clip furnished as airbag deployment tool.

CAUTION:

The airbag deployment tool should be kept shorted on the terminals until just before activation of air-bag module.

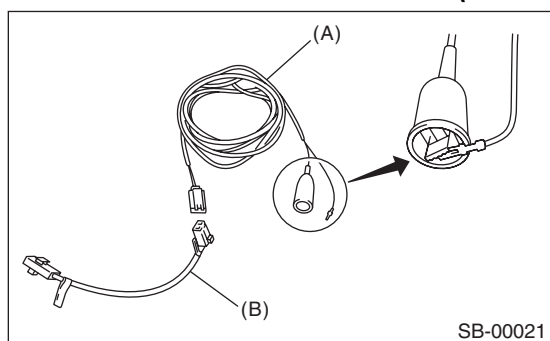
Preparation tool:

ST: AIRBAG DEPLOYMENT TOOL (98299PA030)

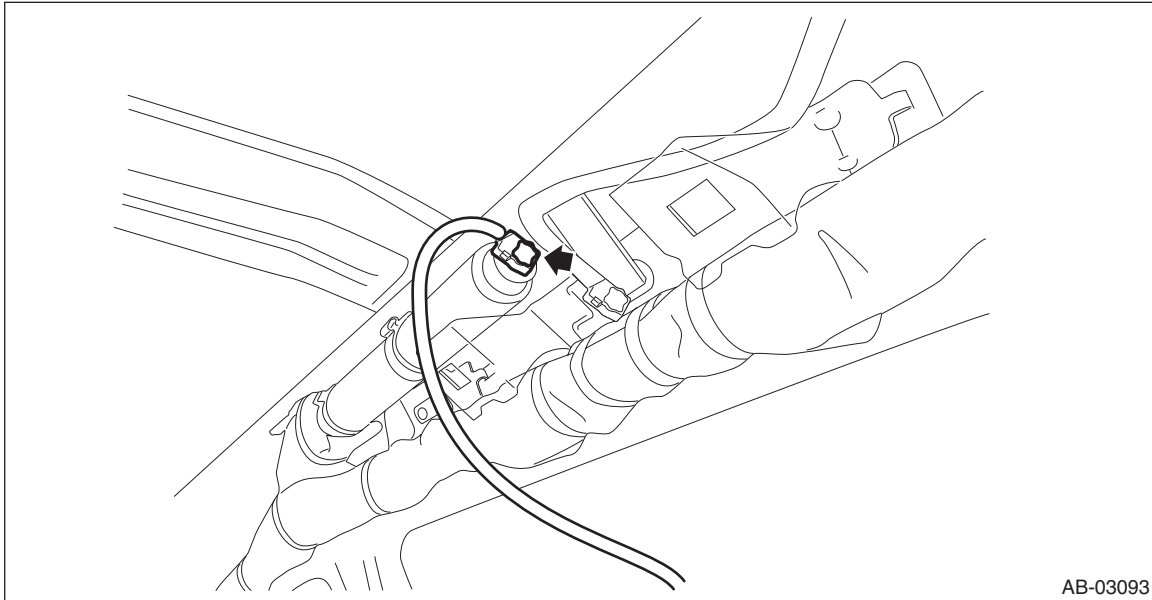
- 6) Connect the airbag deployment tool (A) and test harness adapter D (B).

Preparation tool:

ST: TEST HARNESS ADAPTER D (98299SA010)

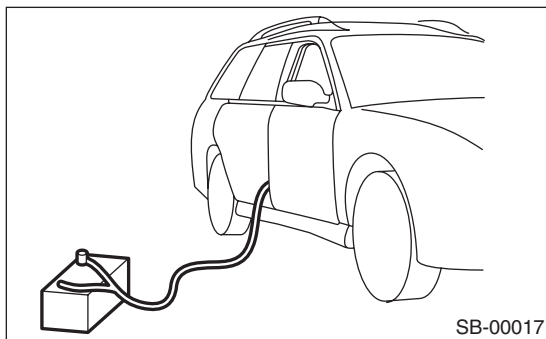


7) Connect the test harness adapter D to the curtain airbag module.



8) Make sure there is no one inside the vehicle.

9) Extend the wiring of airbag deployment tool to the limit, and close all the windows, sunroof and rear gate completely.



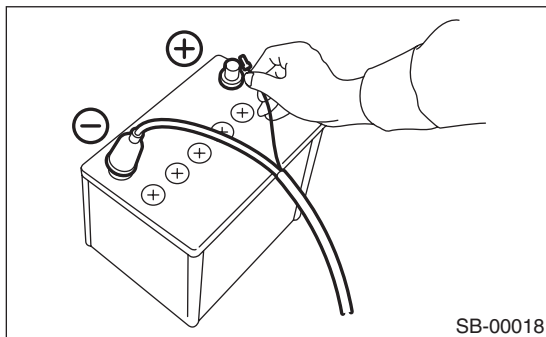
10) Move the battery at least 5 m (16 ft) from the vehicle, and confirm safety in the area.

11) Connect the airbag deployment tool alligator clip to the battery negative (–) terminal.

12) Connect the other cable of airbag deployment tool to the battery positive (+) terminal, and activate the airbag module.

CAUTION:

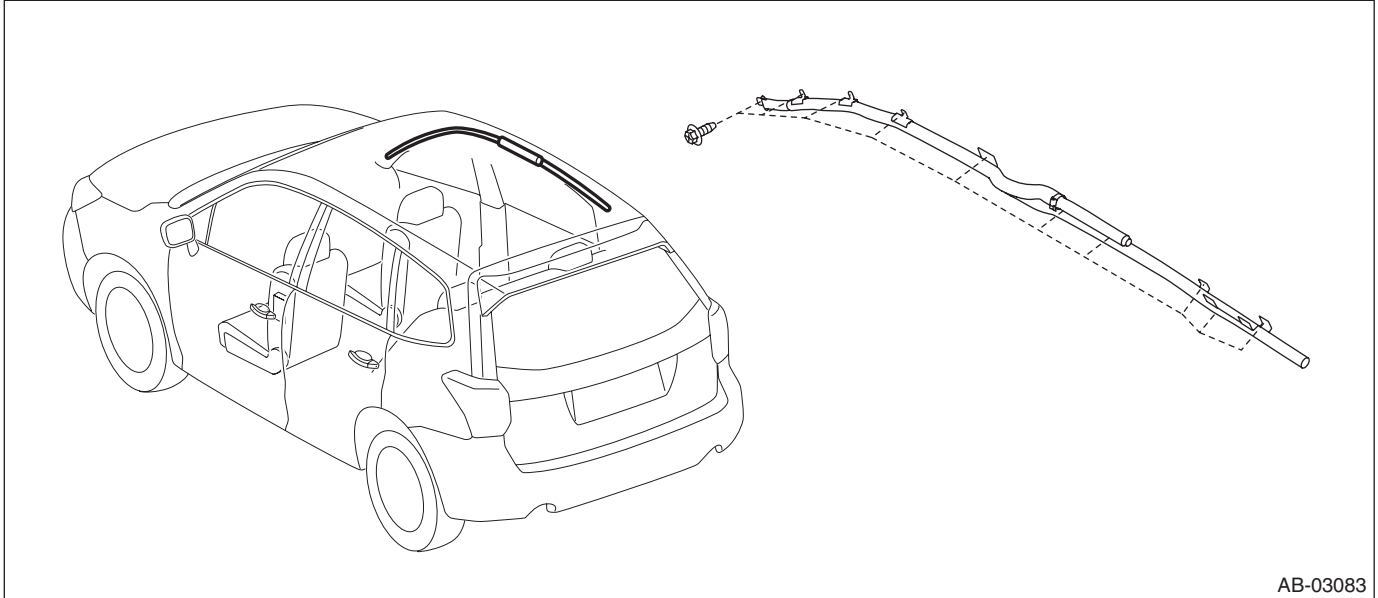
- After activation, the airbag module will be extremely hot. Let it cool down for at least 40 minutes in an area with no one around.
- Do not expose the activated airbag module to water.



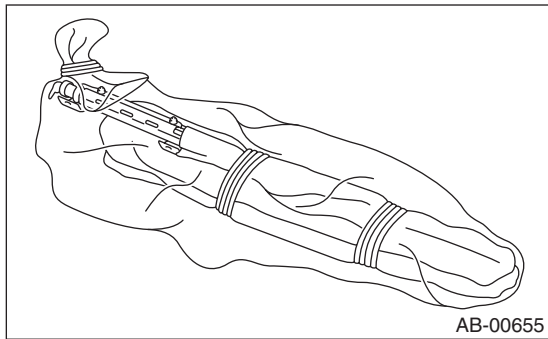
Airbag Module Disposal (Deployment Processing on Vehicle)

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13) Remove the bolts and clips, and remove the curtain airbag module.



14) Place the activated airbag module in a sealed vinyl bag, then discard.



NOTE:

When necessary, fold the fabric part of airbag into three or four sections, rope and seal in a vinyl bag.

AIRBAG SYSTEM (DIAGNOSTICS)

AB(diag)

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