

6. Side Airbag Module

A: REMOVAL

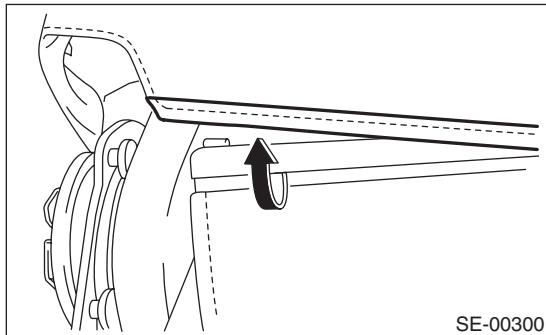
CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-5, CAUTION, General Description.>
- Make sure how the harnesses of the side airbag are routed before assembling to avoid misarranging. Assembling with harnesses improperly routed may cause the harness to get caught and short out.

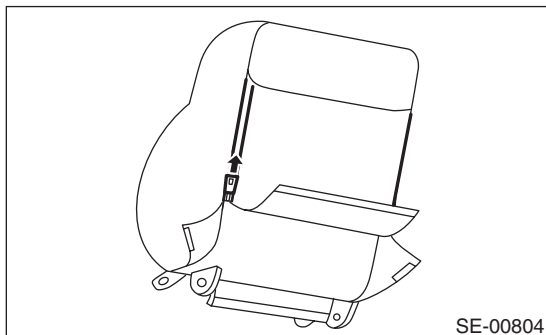
NOTE:

Remove the passenger's side by referring to driver's side.

- 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 front seat from vehicle. <Ref. to SE-6, REMOVAL, Front Seat.>
- 4) Remove the side airbag harness from the harness holder on the backside of seat cushion assembly.
- 5) Remove the side airbag harness from backrest frame assembly.
- 6) Remove the plastic fastener at the back side (bottom) of backrest.



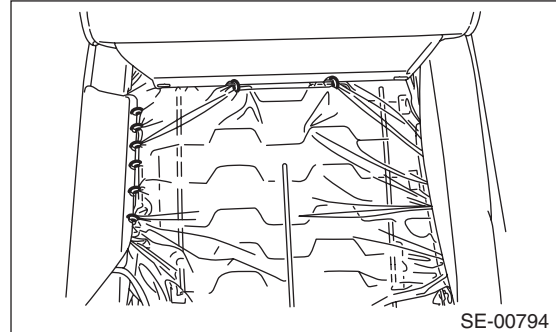
- 7) Open the fastener at the rear side of backrest.



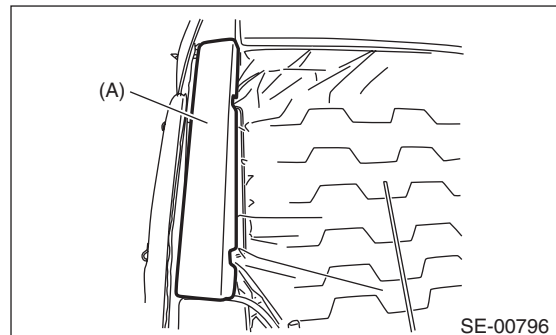
- 8) Remove the hog rings of backrest cover.

CAUTION:

Be careful not to tear the vinyl inside the seat when removing the hog rings.
If torn, replace with a new part.



- 9) Remove the pad (A), and remove the mounting nut from the side airbag module.



- 10) Remove the side airbag harness from backrest frame assembly.

B: INSTALLATION

CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-5, CAUTION, General Description.>
- Make sure how the harnesses of the side airbag are routed before assembling to avoid misarranging. Assembling with harnesses improperly routed may cause the harness to get caught and short out.
- Be sure to perform the system calibration for occupant detection system after passenger's seat installation. <Ref. to OD(diag)-14, SYSTEM CALIBRATION (REZEROING), OPERATION, Subaru Select Monitor.>

- 1) Make sure that there is no foreign matter on side airbag module.

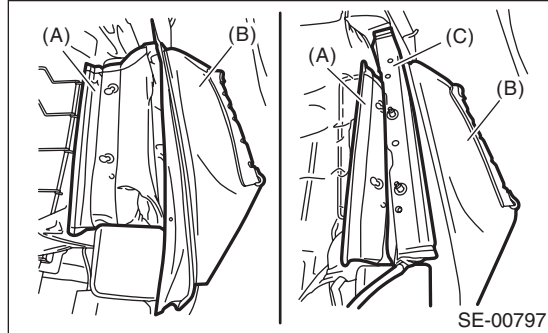
Side Airbag Module

AIRBAG SYSTEM

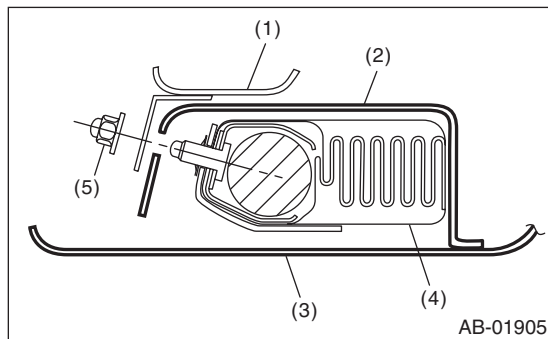
2) Install the side airbag module to backrest frame assembly.

CAUTION:

When installing the side airbag module assembly, be sure to put the side airbag module between backrest cover and airbag guide cloth.



- (A) Airbag guide cloth
- (B) Backrest cover
- (C) Side airbag module ASSY



- (1) Backrest frame ASSY
- (2) Airbag guide cloth
- (3) Backrest cover
- (4) Side airbag module ASSY
- (5) Hexagon cap nut

Besides, when the backrest cover is not installed securely, the side airbag module may not be activated properly, therefore keep strictly to the following procedure.

- Be careful not to stain or damage the backrest cover during assembly.
- Do not reuse hog rings.
- Secure the hog ring using hog ring pliers.
- Install the hog rings to the specified points securely and make sure that no wrinkle or twisting on backrest cover.

Tightening torque:

6.0 N·m (0.61 kgf-m, 4.4 ft-lb)

- 3) Install the side airbag harness to backrest frame assembly.
- 4) Install the backrest cover.

5) Install the side airbag harness to the clip of the slide rail IN.

6) Recline the seat or slide it backward and forward, and check there is no contact between the seat backrest assembly, cushion cover assembly and side airbag harness.

C: INSPECTION

CAUTION:

Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-5, CAUTION, General Description.>

Check for the following, and replace damaged parts with new parts. <Ref. to AB-13, SIDE AIRBAG MODULE, INSPECTION, Inspection Locations after a Collision.>

1) With side collision (when side airbag is activated)

- Side airbag module assembly
 - Satellite safing sensor
 - Side airbag sensor
 - Curtain airbag sensor
 - Backrest pad assembly
 - Backrest frame assembly
 - Backrest cover assembly
- 2) When damage is found by visual check
- Headrest assembly
 - Headrest lock bushing
 - Outer slide rail
 - Inner slide rail
 - Seat hinge cover
 - Seat lifter lever
 - Reclining lever
 - Side airbag harness and connector on body side
 - Satellite safing sensor cover

3) With side collision (when side airbag is not activated)

Check the seat, airbag module, sensor visually, and then replace them with new parts if damaged or cracked.

Specially inspect the damage of airbag module body, mounting bracket and harness connector.

4) Without side collision (dirt and damage of cover) Replace the corresponding part with a new part.