

6. Side Airbag Module

A: REMOVAL

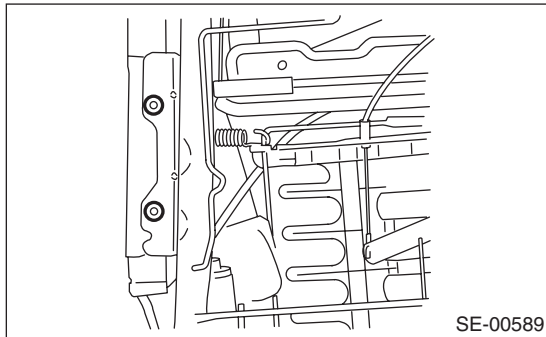
CAUTION:

Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-4, CAUTION, General Description.>

NOTE:

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

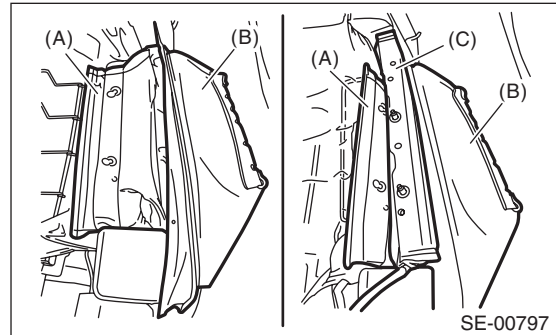
- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Remove the front seats. <Ref. to SE-7, REMOVAL, Front Seat.>
- 4) Disconnect the connector from the back side of seat cushion assembly, then remove the side airbag harness.
- 5) Remove the backrest cover. <Ref. to SE-8, DISASSEMBLY, Front Seat.>
- 6) Remove the nuts, and remove the side airbag module assembly from the back rest frame assembly.



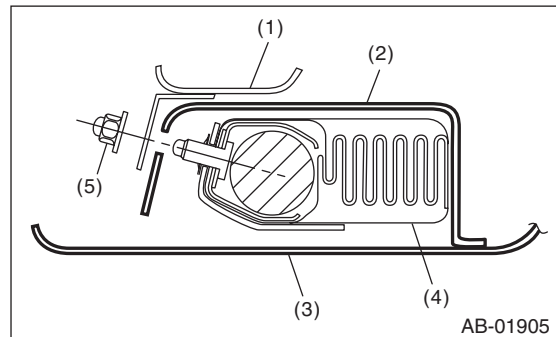
B: INSTALLATION

CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-4, CAUTION, General Description.>
- 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.>
- 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 deployed 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.

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

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

Tightening torque:

6 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 clips on the back of the seat cushion assembly and on the slide rail.

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.

7) Install the front seat to the vehicle body.

Tightening torque:

Refer to “COMPONENT” of “General Description”. <Ref. to SE-2, FRONT SEAT (DRIVER’S SEAT), COMPONENT, General Description.>

C: INSPECTION

CAUTION:

Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-4, CAUTION, General Description.>

Check for the following, and replace the damaged parts with new parts. <Ref. to AB-12, SIDE AIRBAG MODULE, INSPECTION, Inspection Locations after a Collision.>

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

- Side airbag module assembly
- Seat belt pretensioner
- Backrest pad assembly
- Backrest frame assembly
- Backrest cover assembly
- Side airbag sensor
- Curtain airbag sensor
- Satellite safing sensor

2) When damage is found by visual check

- Headrest assembly
- Bushing
- Slide rail OUT
- Slide rail IN
- Seat cushion frame assembly (Passenger’s side)
- Seat hinge cover
- Power seat switch
- Memory switch
- Satellite safing sensor cover
- Satellite safing sensor bracket
- Side airbag harness and connector on body side

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

Check the seat, sensor, and airbag module 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.