

2. Front Seat

A: REMOVAL

CAUTION:

The airbag system is fitted with a backup power supply. After disconnecting the battery ground cable, the airbag may deploy if you do not wait for 60 seconds before starting the service of airbag system.

1) Remove the headrest.

NOTE:

For models with headrest monitor, remove the headrest in the following procedures.

1. Fold the backrest all the way backward, and then remove the headrest.

2. Place the headrest on the seating face.

3. Return the backrest to the original position.

2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

NOTE:

For the power seat, remove the slide rail installing bolt before removing the battery ground.

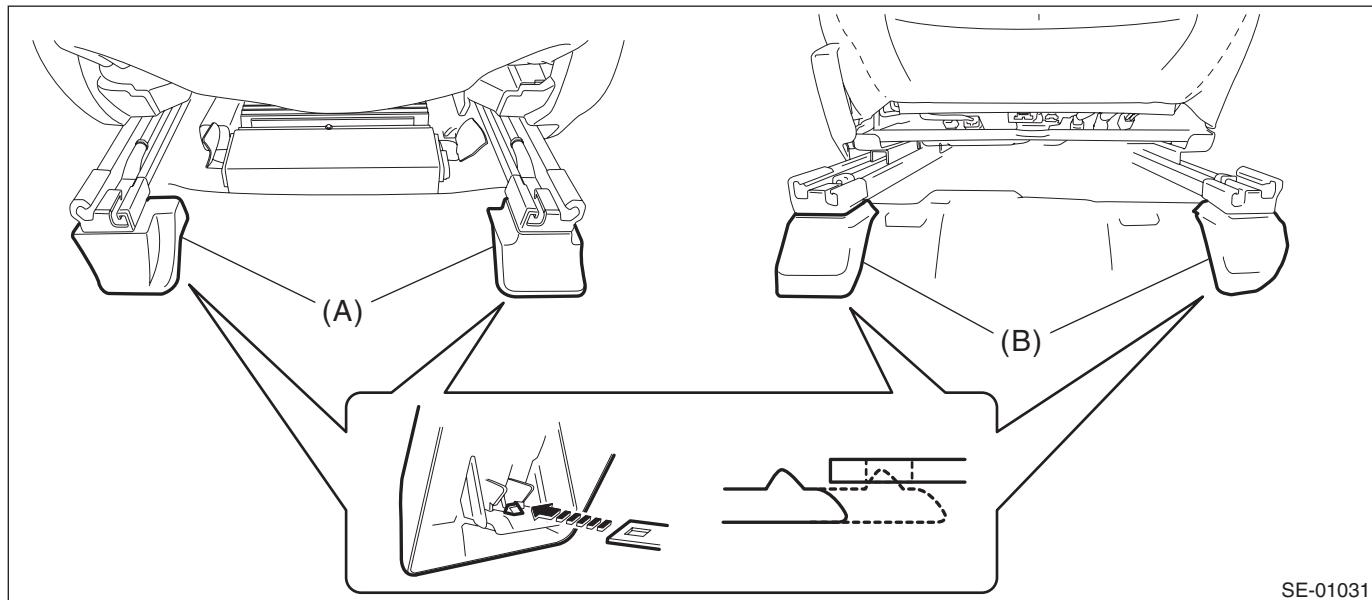
3) Remove the slide rail installing bolt.

(1) Tilt the backrest forward and move the seat to the front most position.

(2) Remove the rear bolt cover (A) and remove the two bolts.

(3) Move the seat to the rearmost position.

(4) Remove the front bolt cover (B) and remove the two bolts.



4) Disconnect the connector under the seat.

CAUTION:

Disconnect the ground cable from battery, and wait 60 seconds before disconnecting the connector.

- Seat belt warning light connector (driver's seat)
- Occupant detection system harness connector (passenger's seat)
- Side airbag connector
- Seat heater connector (model with seat heater)
- Power seat connector (model with power seats)
- Headrest monitor connector (model with headrest monitor)

5) Take out the front seat from the vehicle.

CAUTION:

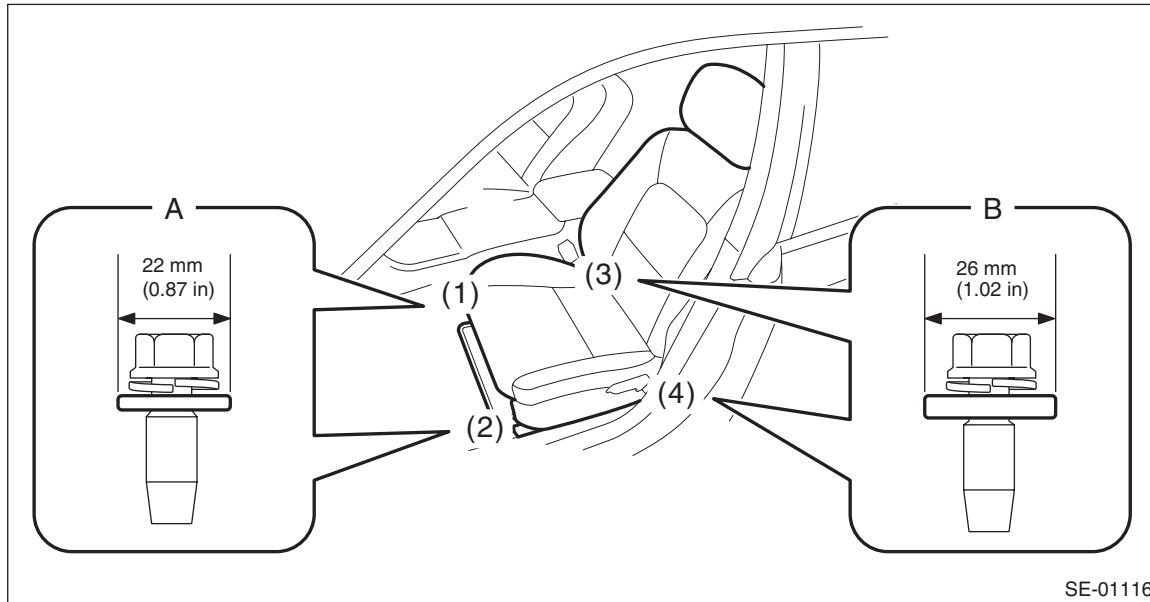
Be careful not to damage the body.

B: INSTALLATION

Install each part in the reverse order of removal.

CAUTION:

- The seat mounting bolts differ between the front mounting points and the rear mounting points. Make sure that you are using correct bolts at correct positions.
- Tighten the slide rail installing bolt gradually in several steps to the specified torque in the order as shown in the figure.



- Front (bolt A): Washer diameter 22 mm (0.87 in)
- Rear (bolt B): Washer diameter 26 mm (1.02 in)

Tightening torque:

Front seat assembly: 53 N·m (5.4 kgf-m, 39.1 ft-lb)

C: DISASSEMBLY

1. DRIVER SEAT (MANUAL SEAT)

CAUTION:

Make sure how the harnesses of the side airbag and inner seat belt are routed before assembling to avoid misarranging. Assembling with harnesses improperly routed may cause the harness to get caught and short out.

- 1) Remove the seat from vehicle. <Ref. to SE-10, REMOVAL, Front Seat.>

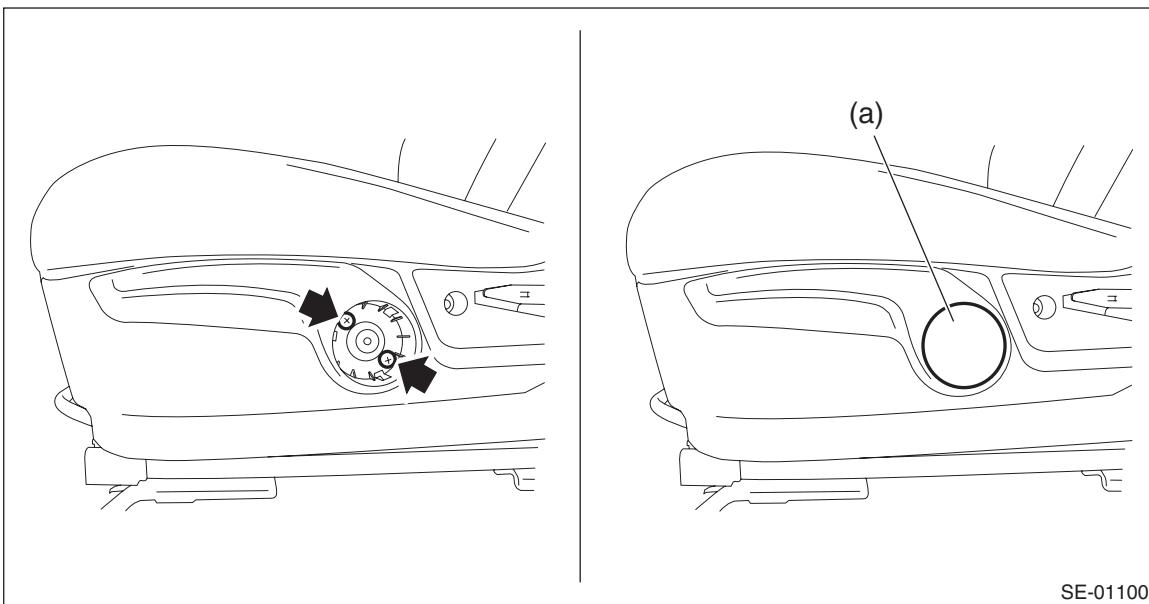
Front Seat

SEATS

2) Remove the seat lifter lever.

(1) Using a flat tip screwdriver, remove the seat lifter lever cover (a).

(2) Remove the screw and remove the seat lifter lever.

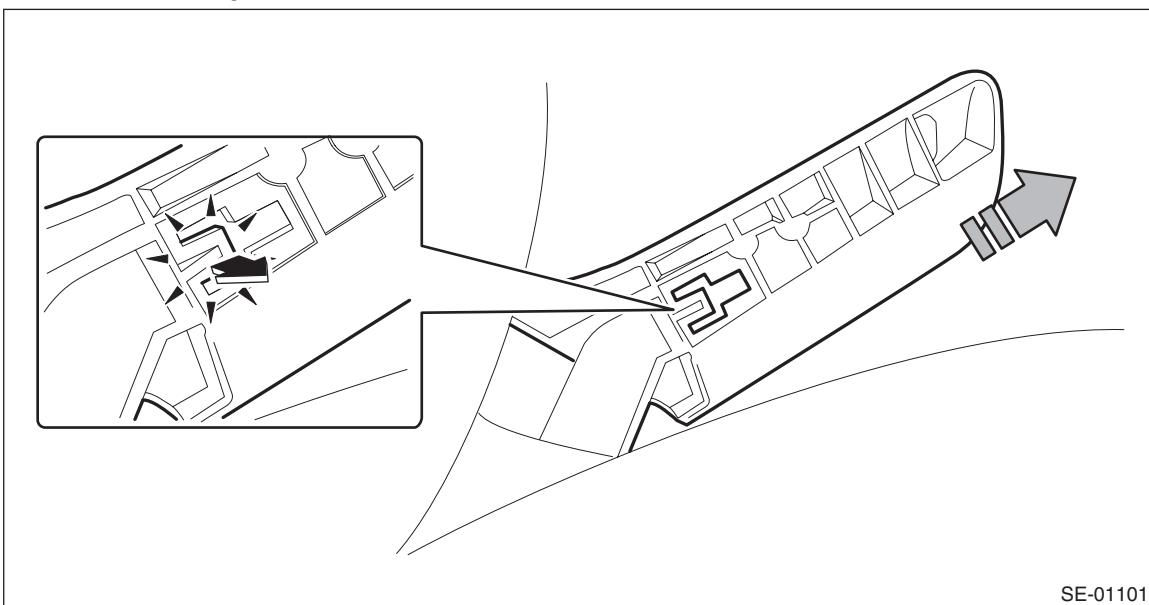


SE-01100

3) Remove the reclining lever cover.

(1) Pull up the reclining lever and release the claws on the back.

(2) Pull out the reclining lever cover.



SE-01101

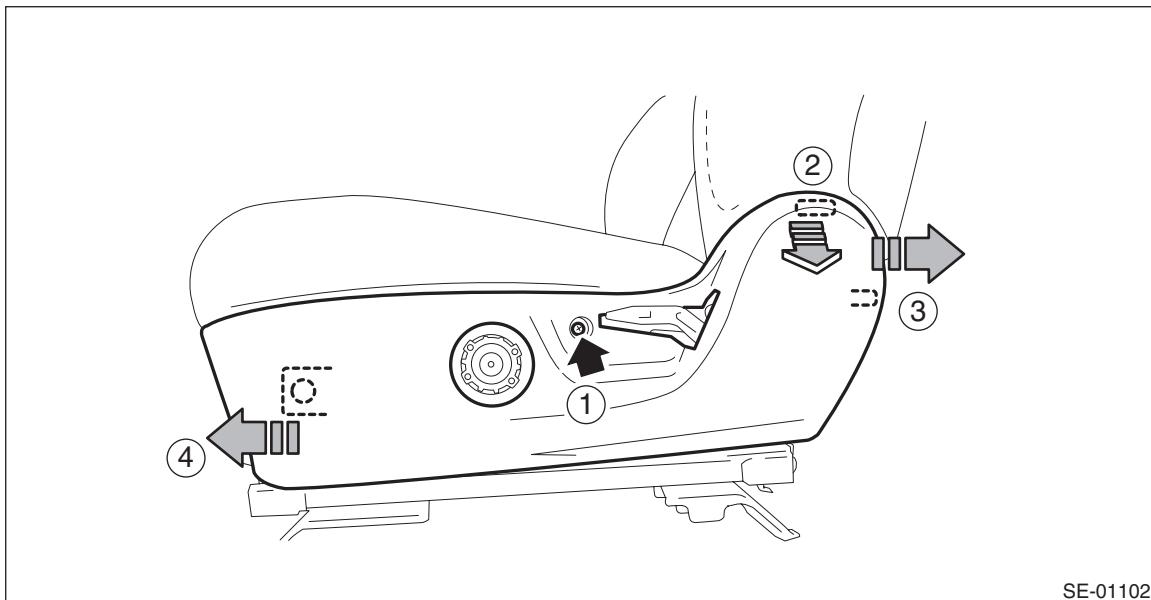
4) Remove the seat side cover OUT.

(1) Remove the screws.

(2) Release the claw in the upper section of the seat side cover.

(3) Release the claw in the rear section of the seat side cover.

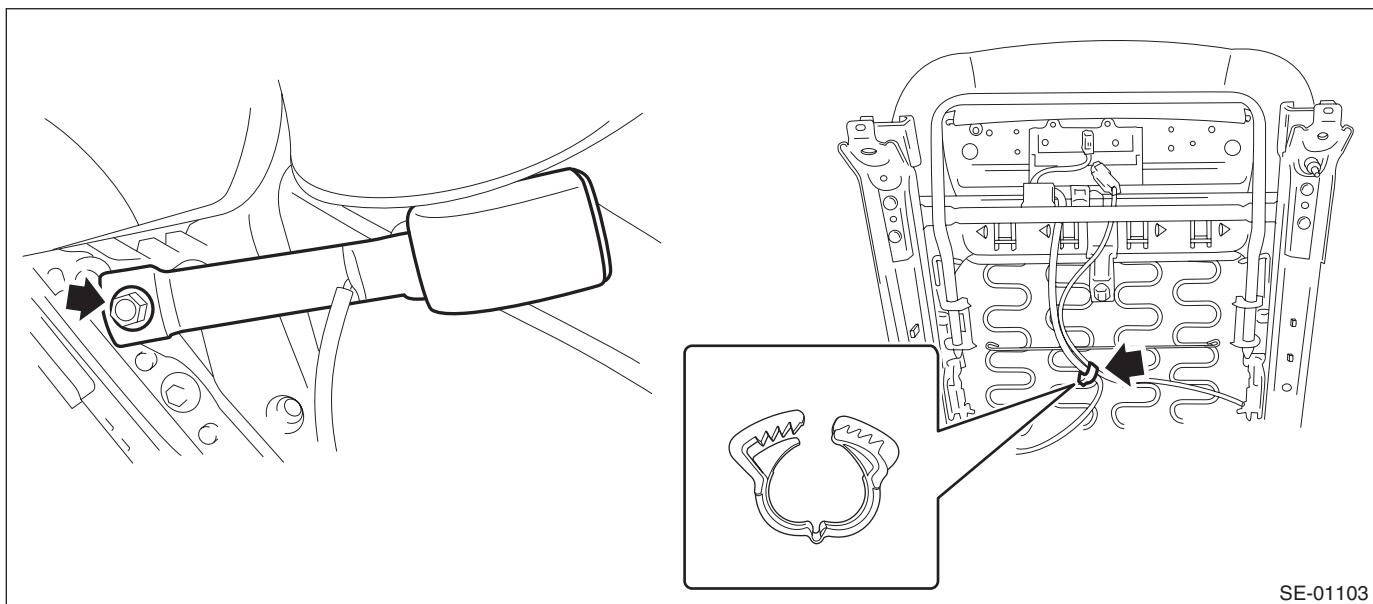
(4) Release the claw in the front section of the seat side cover, then remove the seat side cover OUT.



5) Remove the inner seat belt assembly.

(1) Remove the nut and remove the inner seat belt assembly.

(2) Remove the clip for the inner seat belt harness located under the seat cushion.

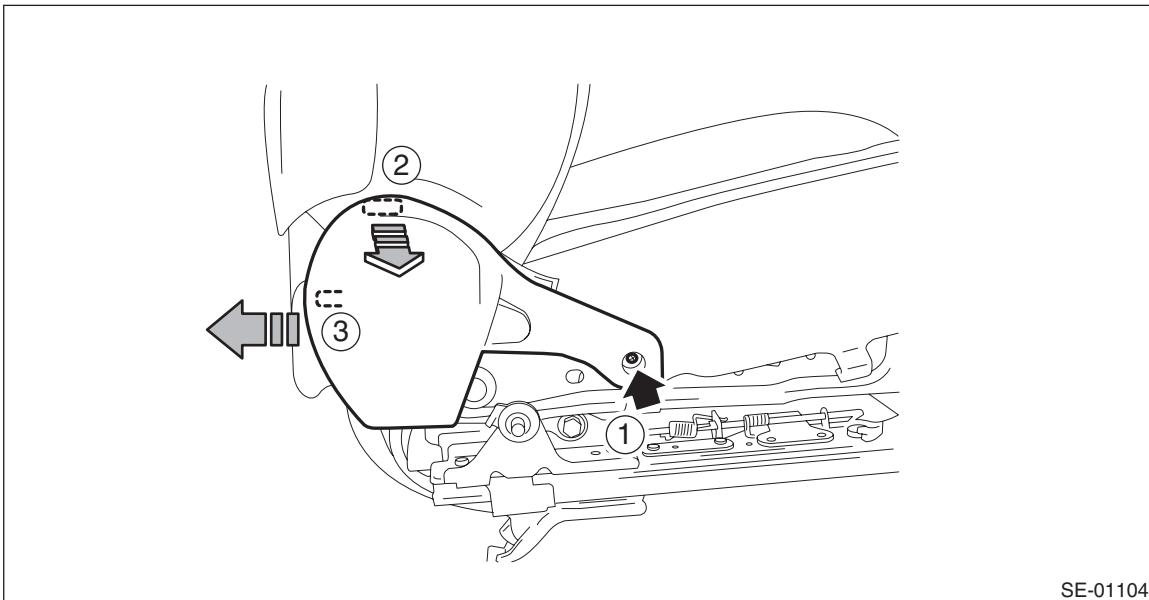


Front Seat

SEATS

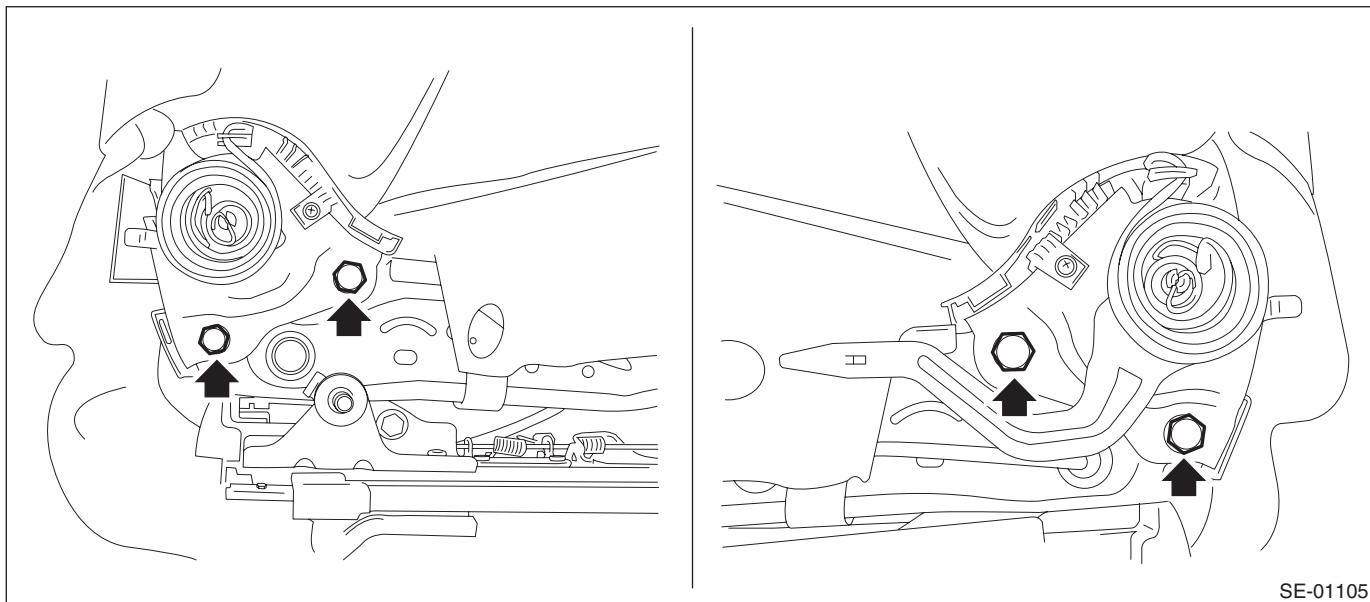
6) Remove the seat side cover IN.

- (1) Remove the screws.
- (2) Release the claw in the upper section of the seat side cover.
- (3) Release the claw in the rear section of the seat side cover, then remove the seat side cover IN.



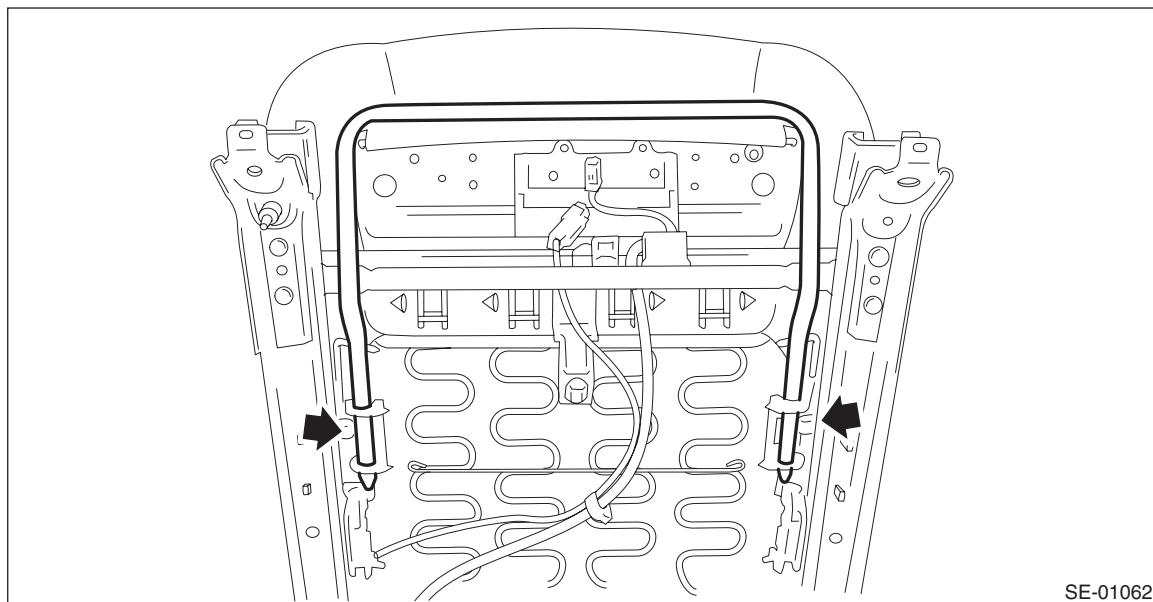
7) Separate the backrest assembly and the seat cushion assembly.

- (1) Remove the clip for the side airbag harness located under the seat cushion. (seat with side airbag)
- (2) Remove the bolts from reclining hinge of both sides.
- (3) While taking care not to damage the airbag harness, separate the backrest assembly and the seat cushion assembly.



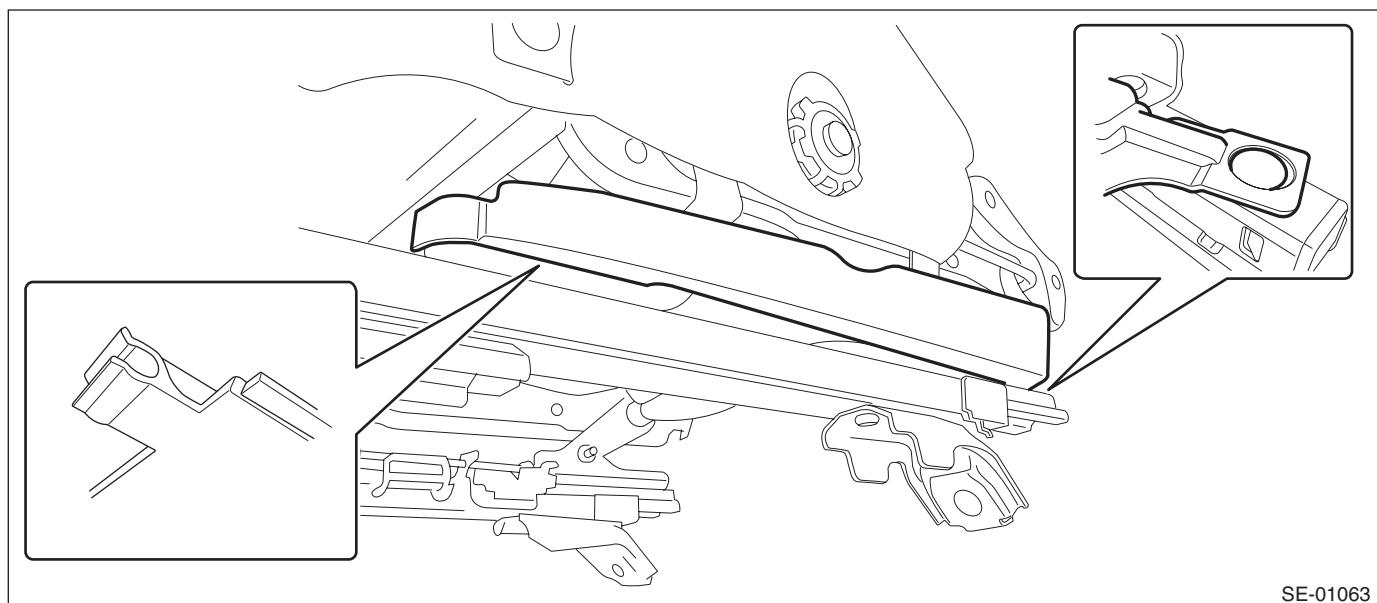
8) Remove the sliding adjuster bar.

- (1) Remove the left and right spring locks.
- (2) Pull out the sliding adjust bar.



9) Remove the riser cover OUT.

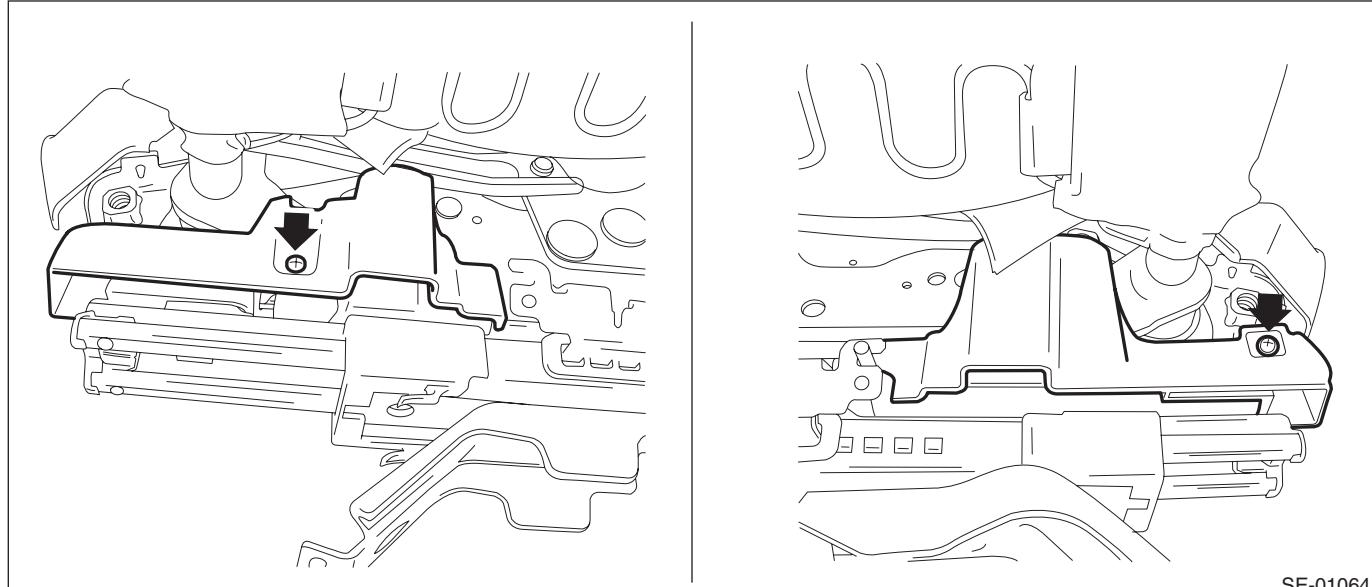
- (1) Remove the clip.
- (2) Remove the hook, and detach the riser cover OUT.



Front Seat

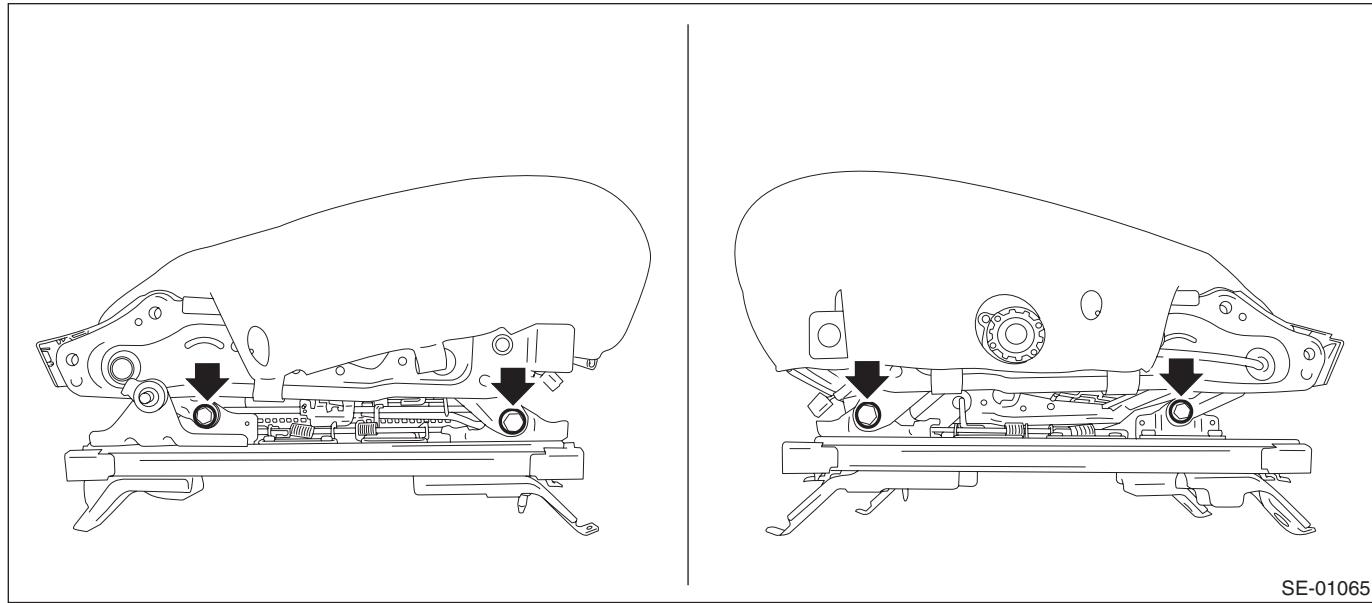
SEATS

10) Remove the screws and remove the riser cover INN LH and RH.



SE-01064

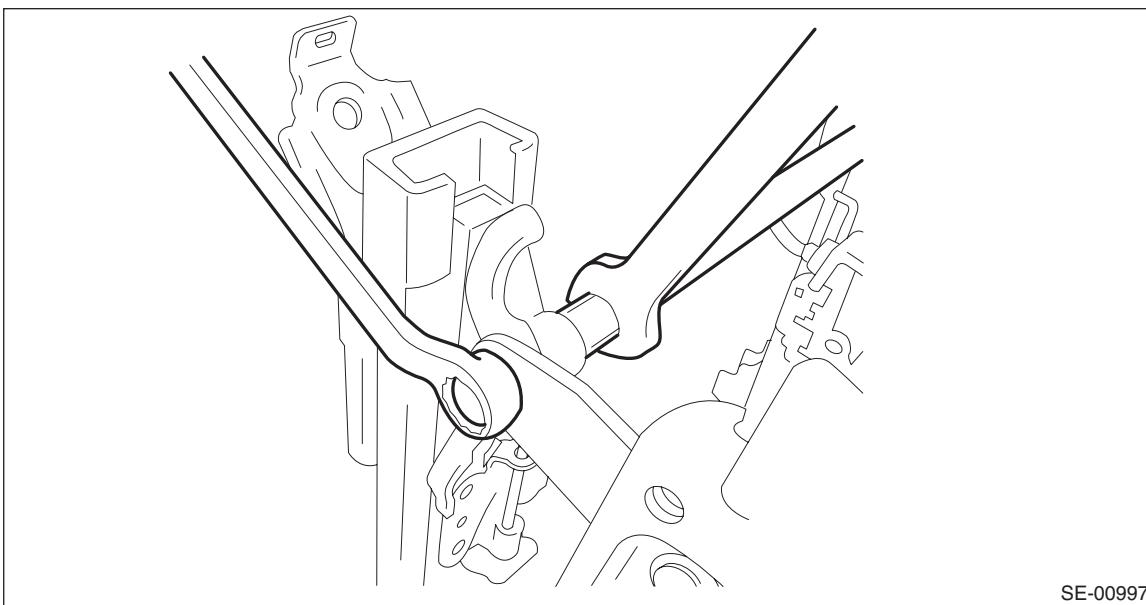
11) Remove the bolts and bushings on the seat cushion assembly (left and right) sides, and remove the slide rail assembly.



SE-01065

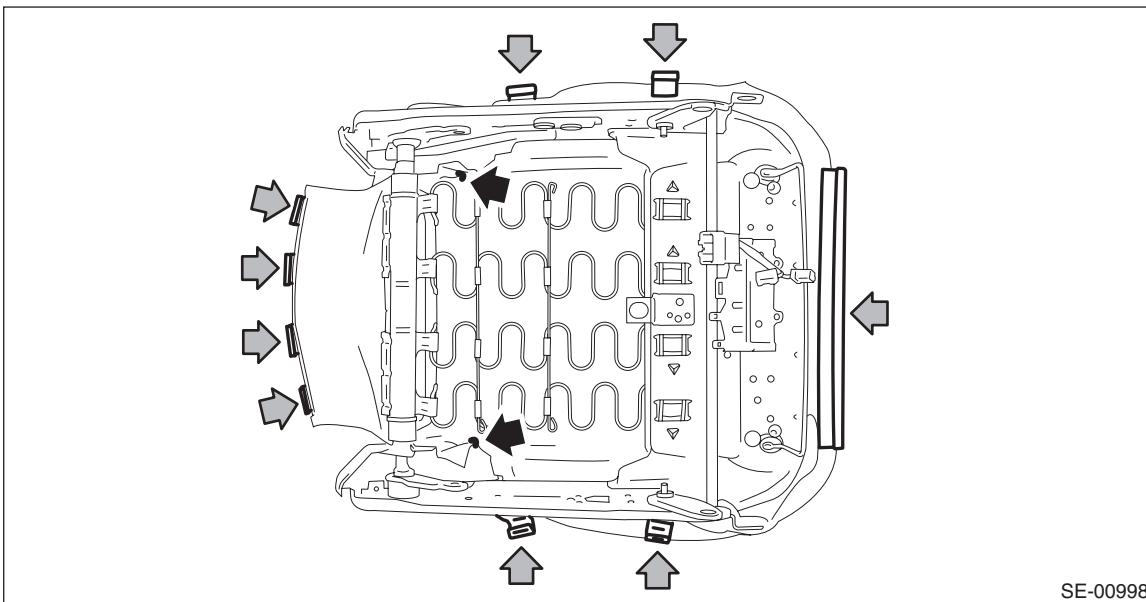
NOTE:

To remove the front bolt, use a spanner.



12) Remove the seat cushion pad & cover.

- (1) Remove the hooks and hog rings.
- (2) Remove the seat cushion pad & cover from seat cushion assembly.



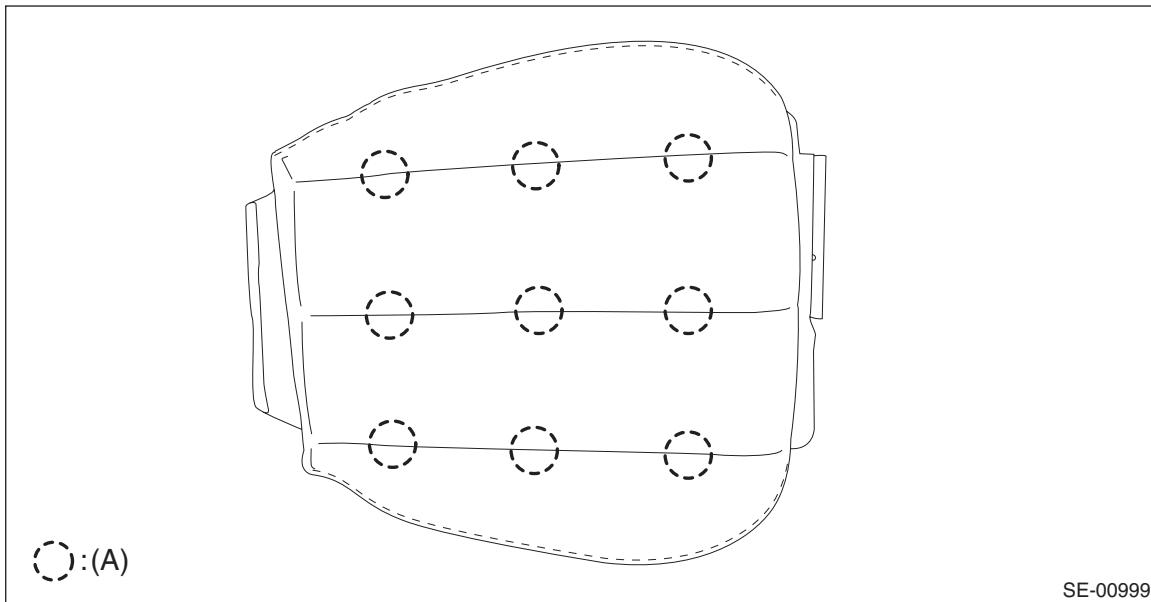
Front Seat

SEATS

13) Remove the seat cushion cover.

(1) Remove the hog ring (A).

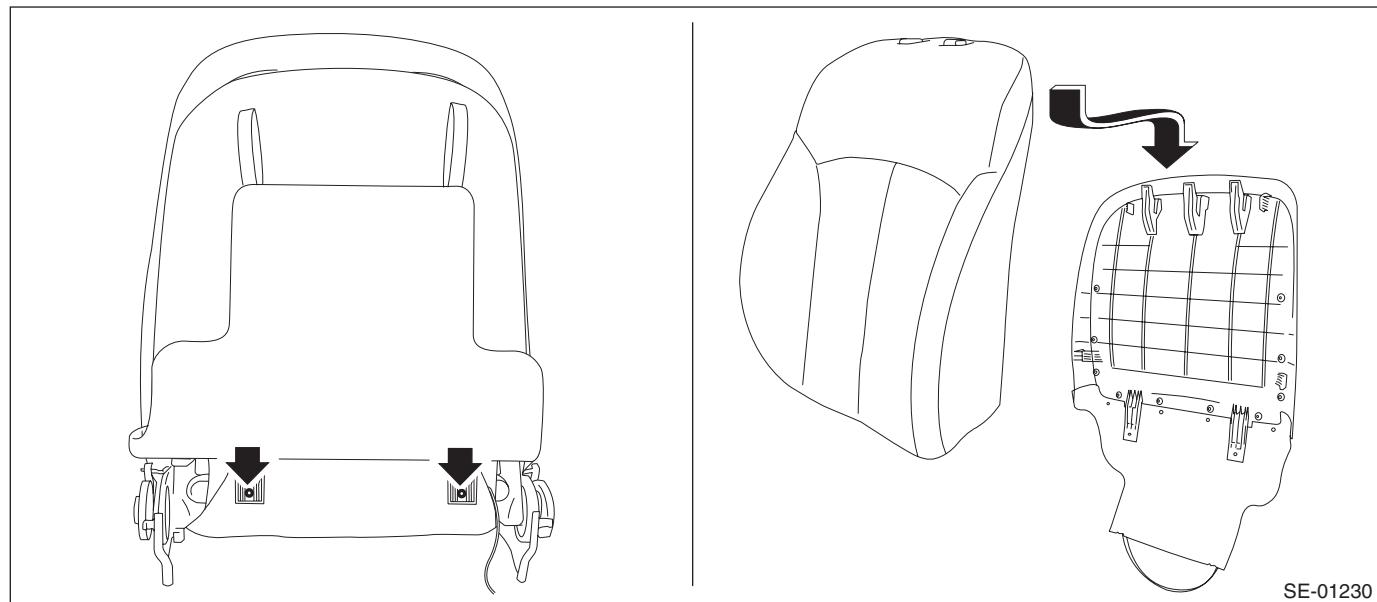
(2) Pull out the seat cushion pad from the seat cushion cover.



14) Remove the backrest back cover.

(1) Remove the screws.

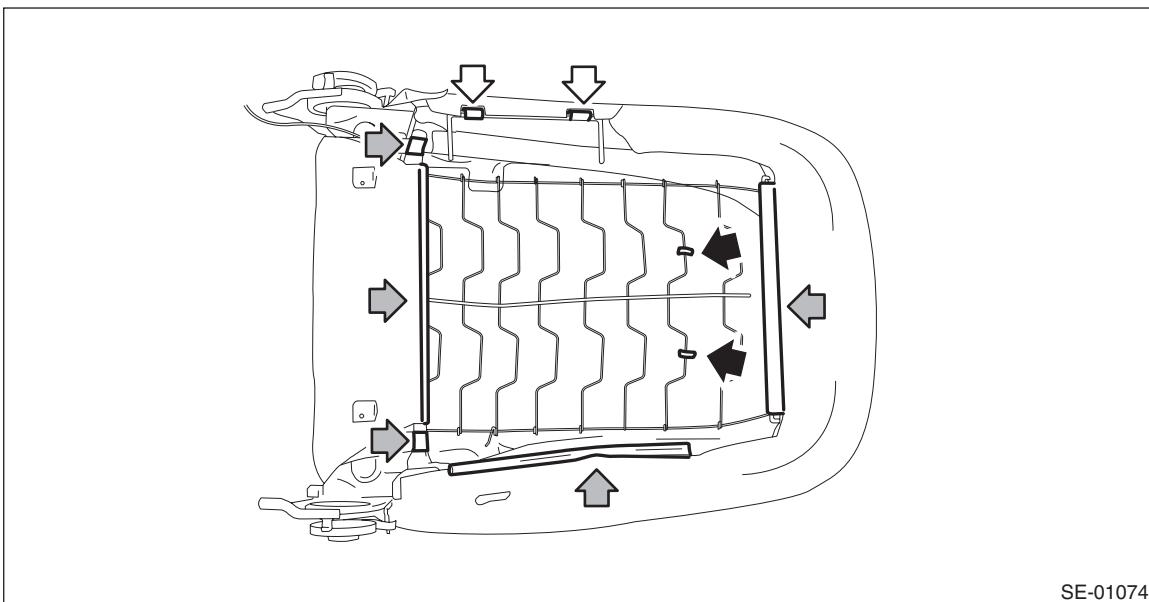
(2) Release the hooks by pulling down the back cover and remove the backrest back cover.



15) Remove the backrest pad & cover.

(1) Remove the hooks and hog rings.

(2) Remove the backrest pad & cover from backrest assembly.



SE-01074

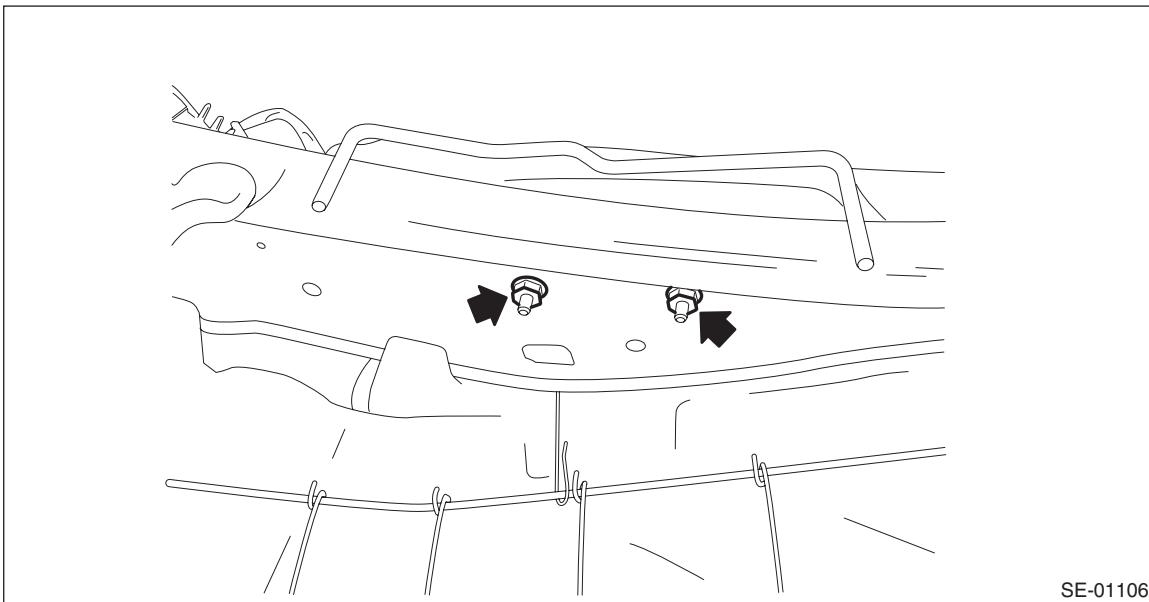
16) Remove the side airbag module assembly.

CAUTION:

Do not open the (plastic) protective cover of the airbag. If any damage is present in the protective cover (such as airbag module cloth coming out), replace the side airbag module assembly with a new one.

(1) Remove the S hook.

(2) Remove the mounting nuts of the side airbag module.



SE-01106

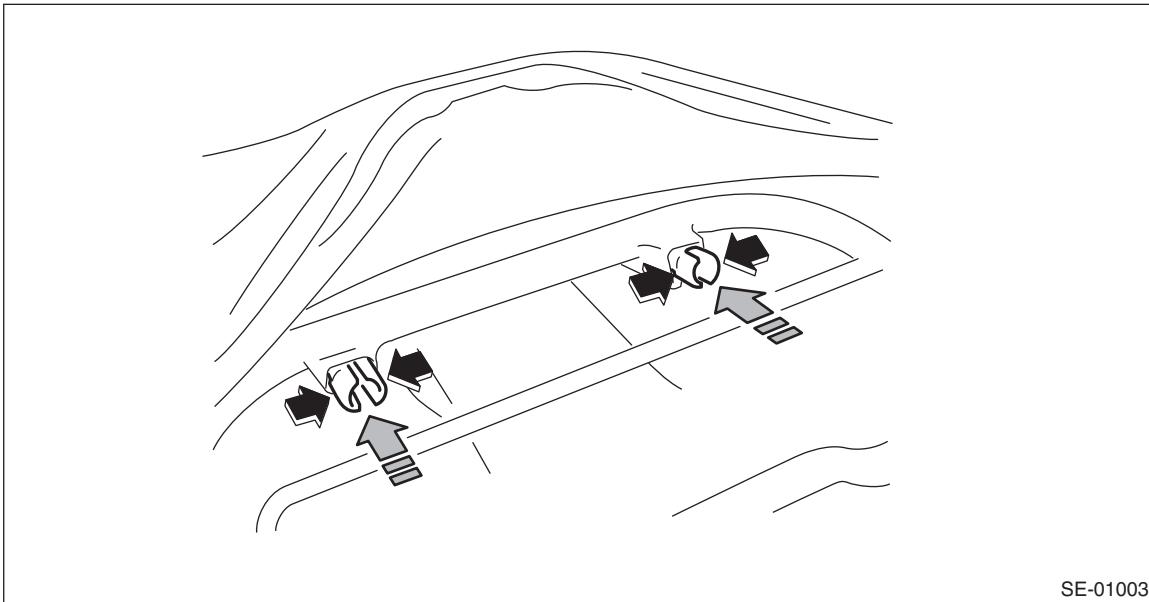
(3) Remove the side airbag harness from backrest frame assembly.

(4) While taking care not to damage the airbag (plastic) protective cover, remove the side airbag module assembly.

Front Seat

SEATS

17) Remove the headrest bushing.



NOTE:

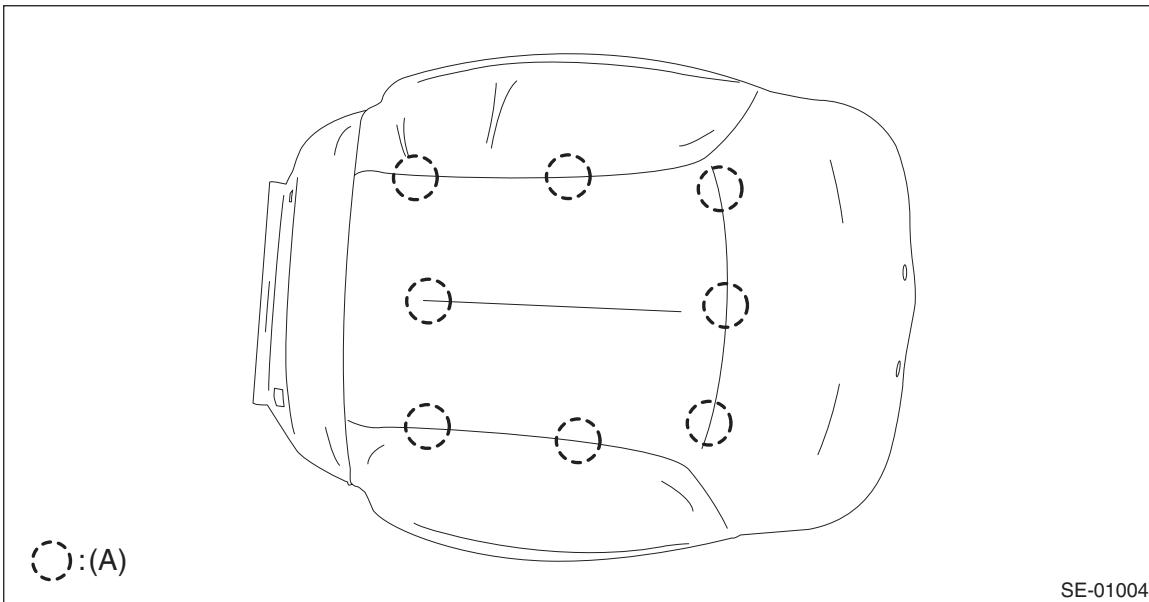
Catch the tip of headrest bushing with pliers and push it from inside seat to outside to remove it.

18) Pull out the backrest frame.

19) Remove the backrest cover.

(1) Remove the hog ring (A).

(2) Pull out the backrest pad from the backrest cover.



2. DRIVER SEAT (POWER SEAT)

CAUTION:

- Make sure how the harnesses of the side airbag and inner seat belt are routed before assembling to avoid misarranging. Assembling with harnesses improperly routed may cause the harness to get caught and short out.

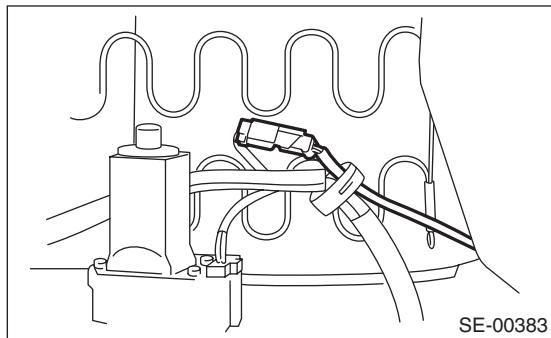
- Do not disassemble the backrest assembly and seat cushion frame and slide rail assembly.

1) Remove the seat from vehicle. <Ref. to SE-10, REMOVAL, Front Seat.>

NOTE:

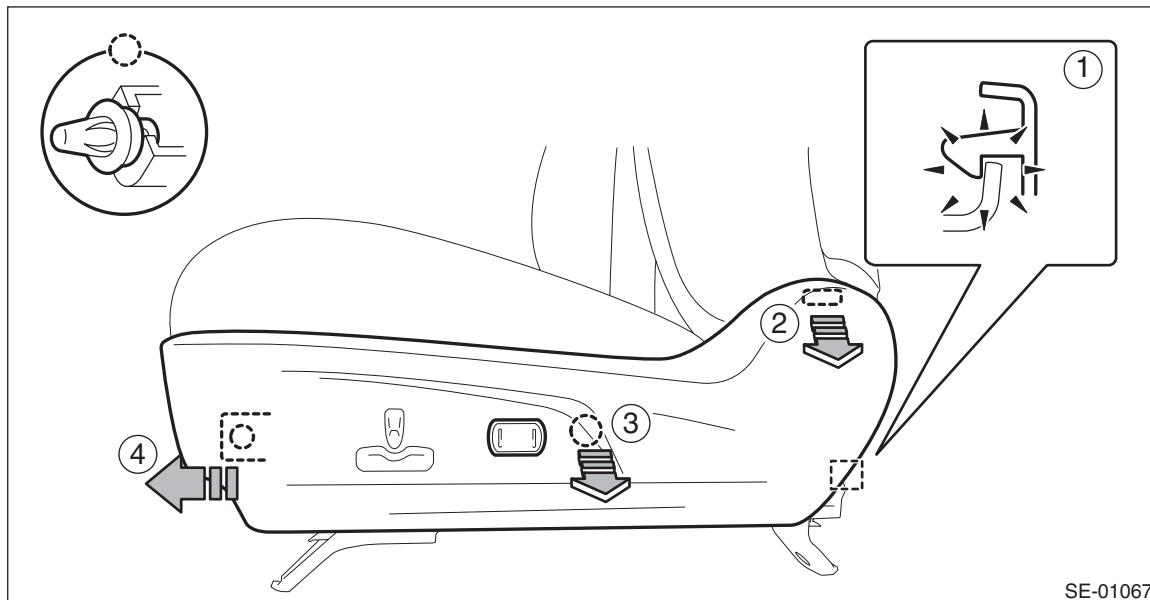
Before removing the seat, lift the seating face.

2) Disconnect the connector for reclining motor from the backside of seat cushion.



3) Remove the seat side cover OUT.

- (1) Release the claw in the rear section of the seat side cover.
- (2) Release the claw in the upper section of the seat side cover.
- (3) Remove the clip and release the claw in the front section of the seat side cover
- (4) Disconnect the power seat switch and lumbar switch connector and remove the seat side cover OUT.



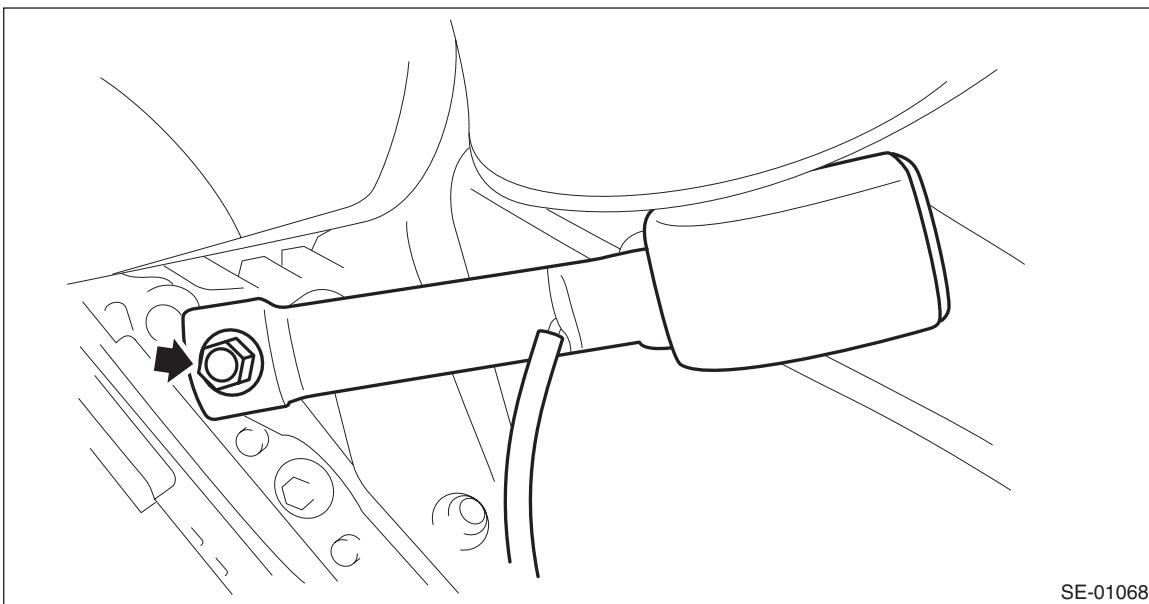
Front Seat

SEATS

4) Remove the inner seat belt assembly.

(1) Remove the nut and remove the inner seat belt assembly.

(2) Disconnect the connector of the inner seat belt harness located under the seat cushion.

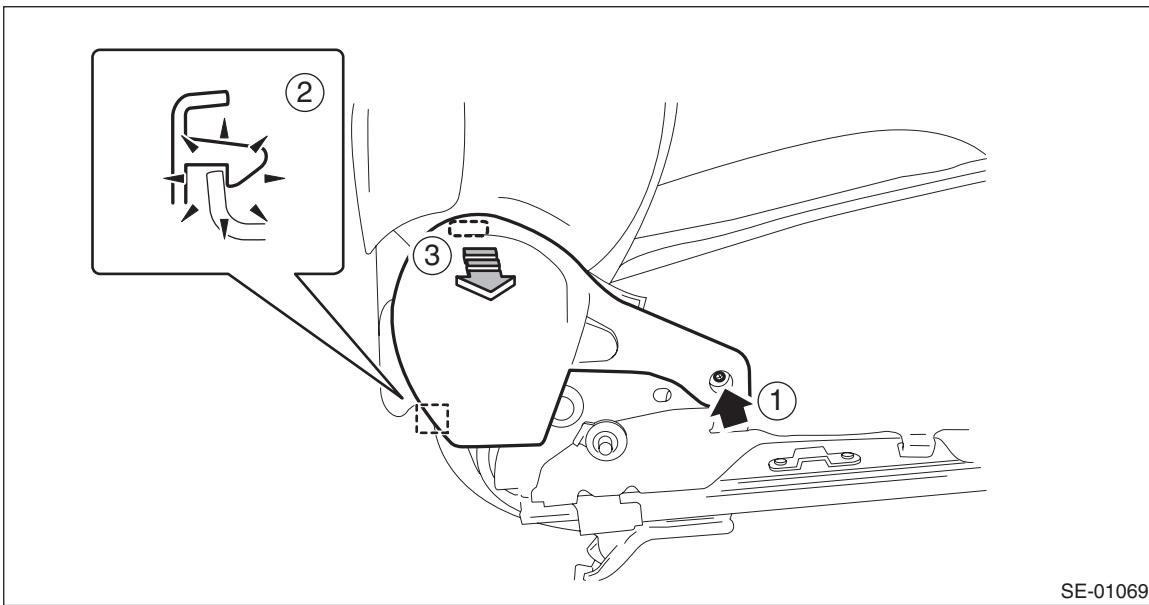


5) Remove the seat side cover IN.

(1) Remove the screws.

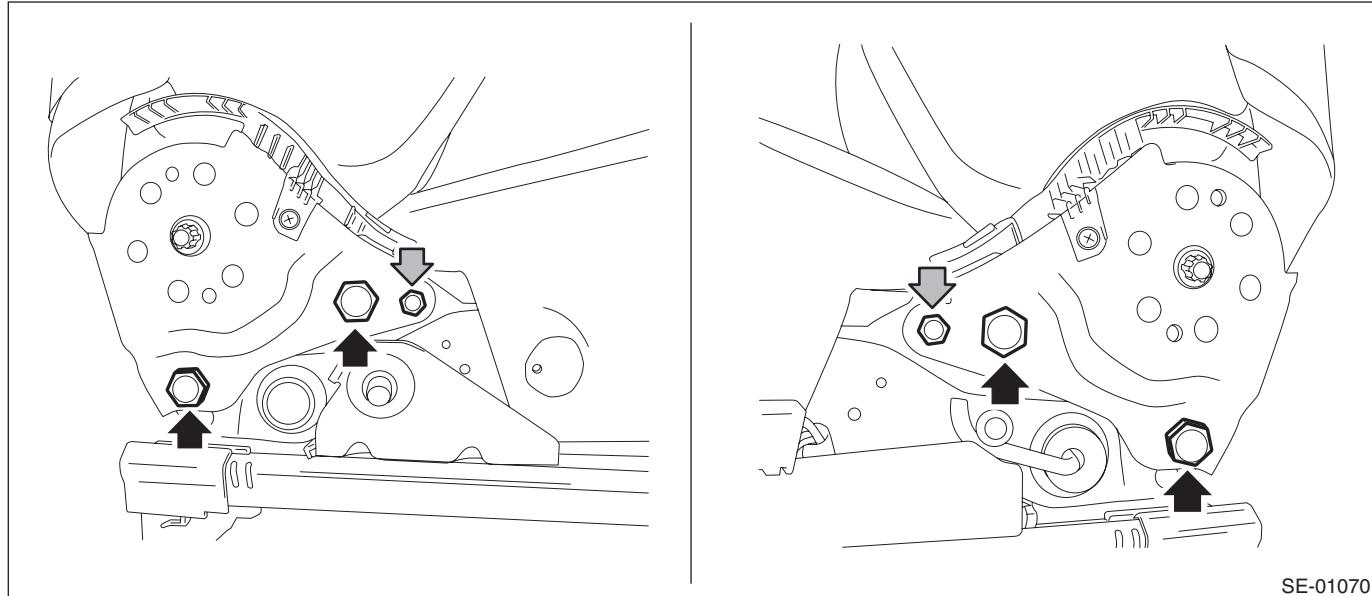
(2) Release the claw in the rear section of the seat side cover.

(3) Release the claw in the upper section of the seat side cover, then remove the seat side cover IN.



6) Separate the backrest assembly and the seat cushion assembly.

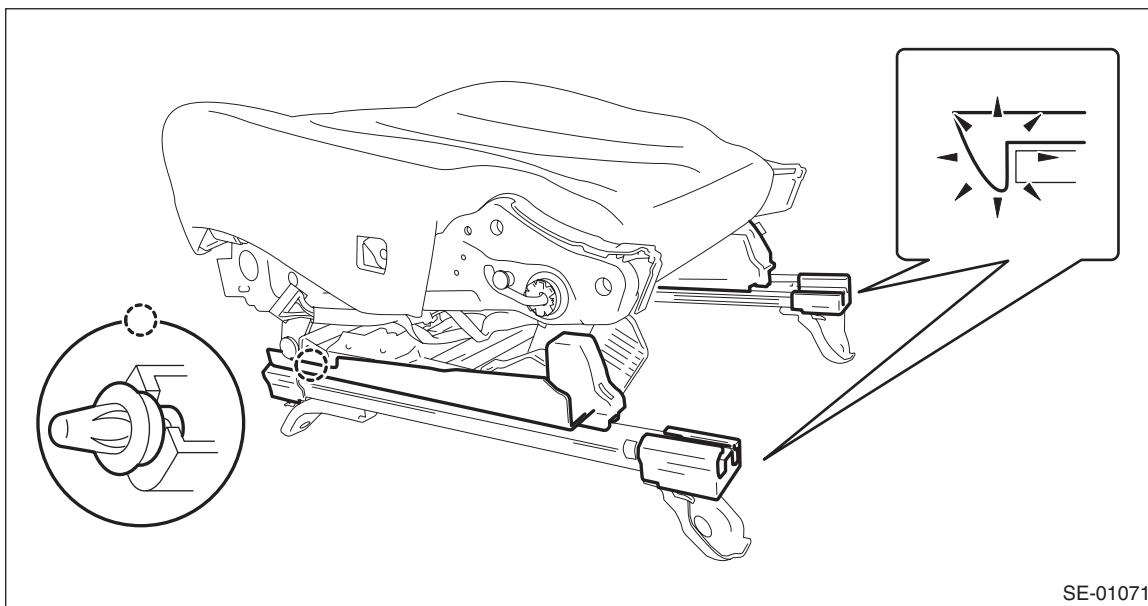
- (1) Remove the clip for the side airbag harness located under the seat cushion. (seat with side airbag)
- (2) Remove the bolts from reclining hinge of both sides.
- (3) While taking care not to damage the airbag harness, separate the backrest assembly and the seat cushion assembly.



SE-01070

7) Remove the riser covers LH and RH as well as slide rail end cover.

- (1) Remove the clips and remove the riser covers LH and RH.
- (2) Remove the hook, and then remove the slide rail end cover.



SE-01071

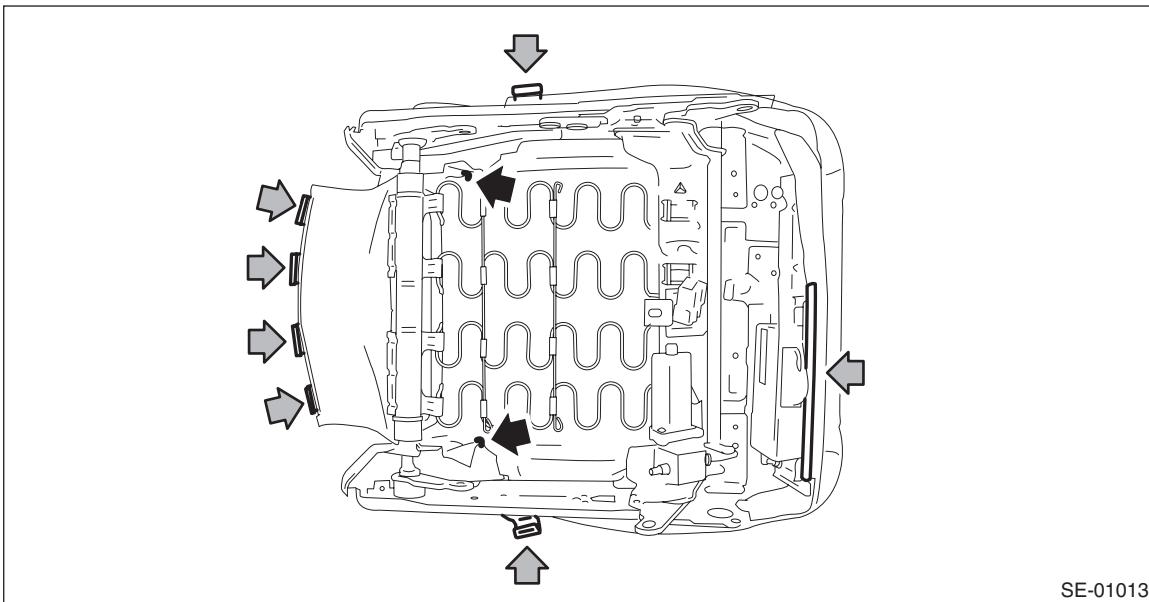
Front Seat

SEATS

8) Remove the seat cushion pad & cover.

(1) Remove the hooks and hog rings.

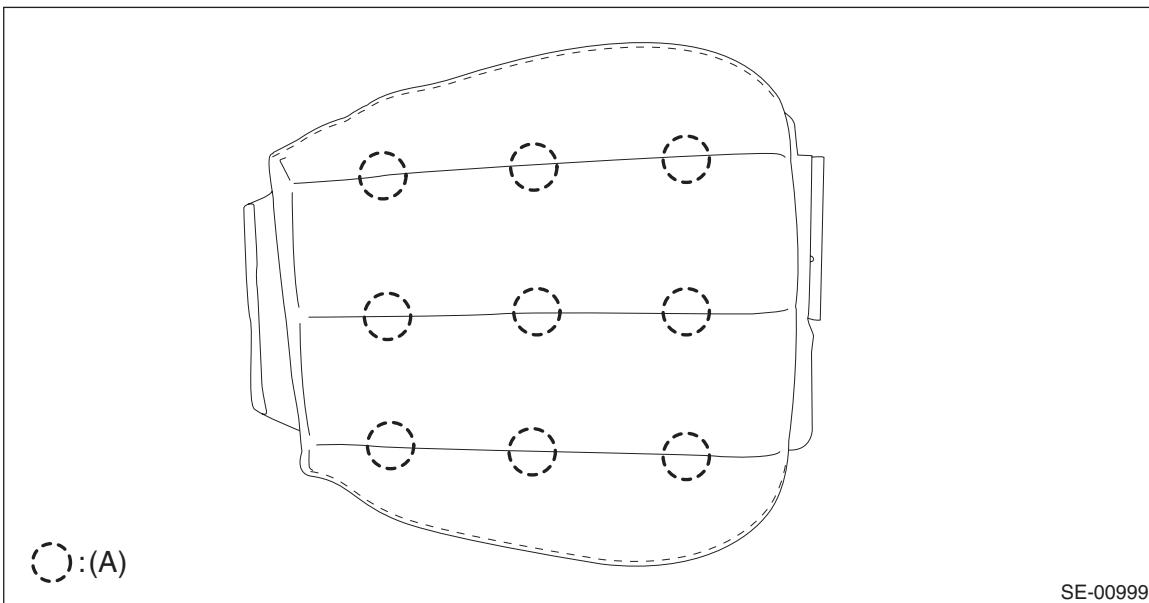
(2) Remove the seat cushion pad & cover from seat cushion assembly.



9) Remove the seat cushion cover.

(1) Remove the hog ring (A).

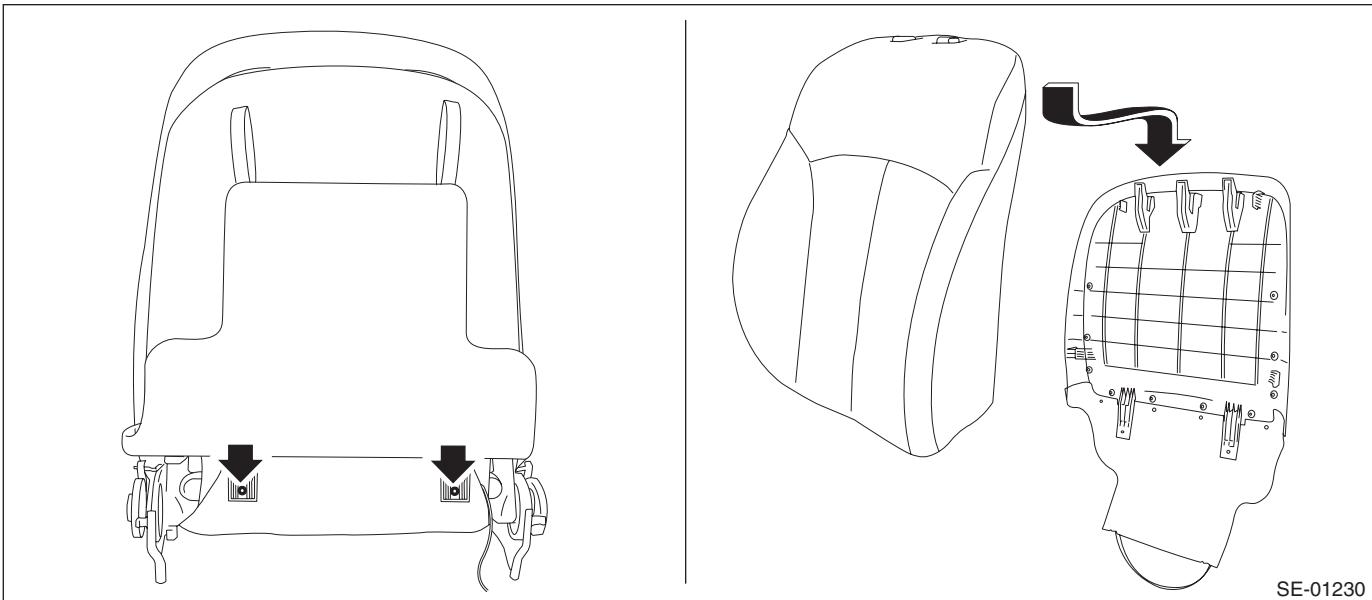
(2) Pull out the seat cushion pad from the seat cushion cover.



10) Remove the backrest back cover.

(1) Remove the screws.

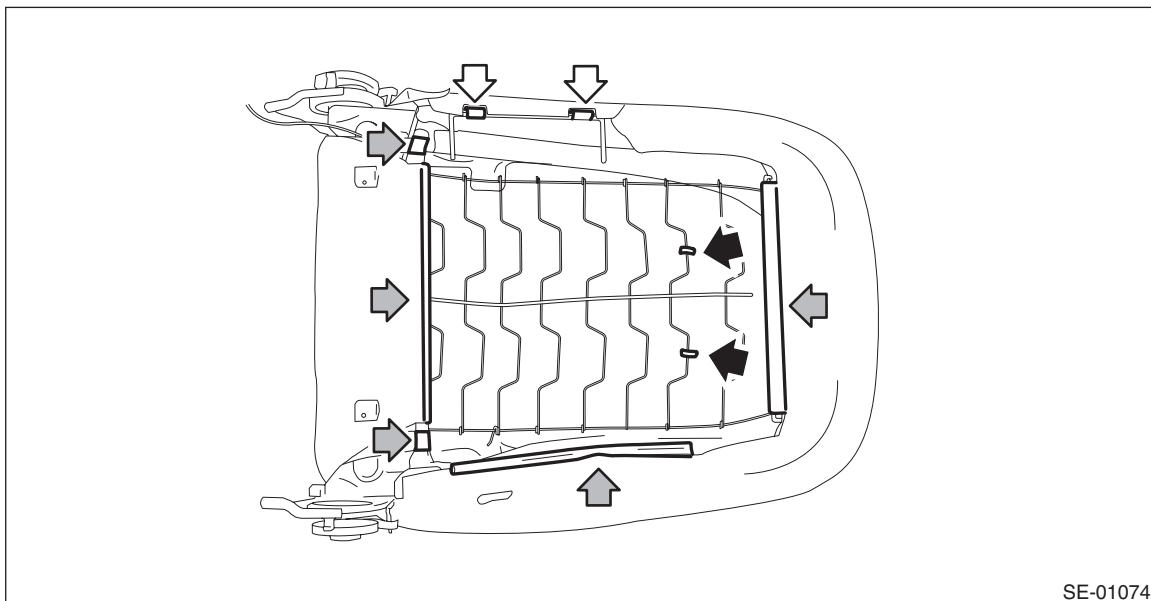
(2) Release the hooks by pulling down the back cover and remove the backrest back cover.



11) Remove the backrest pad & cover.

(1) Remove the hooks, hog rings, and metal clips.

(2) Remove the backrest pad & cover from backrest assembly.



Front Seat

SEATS

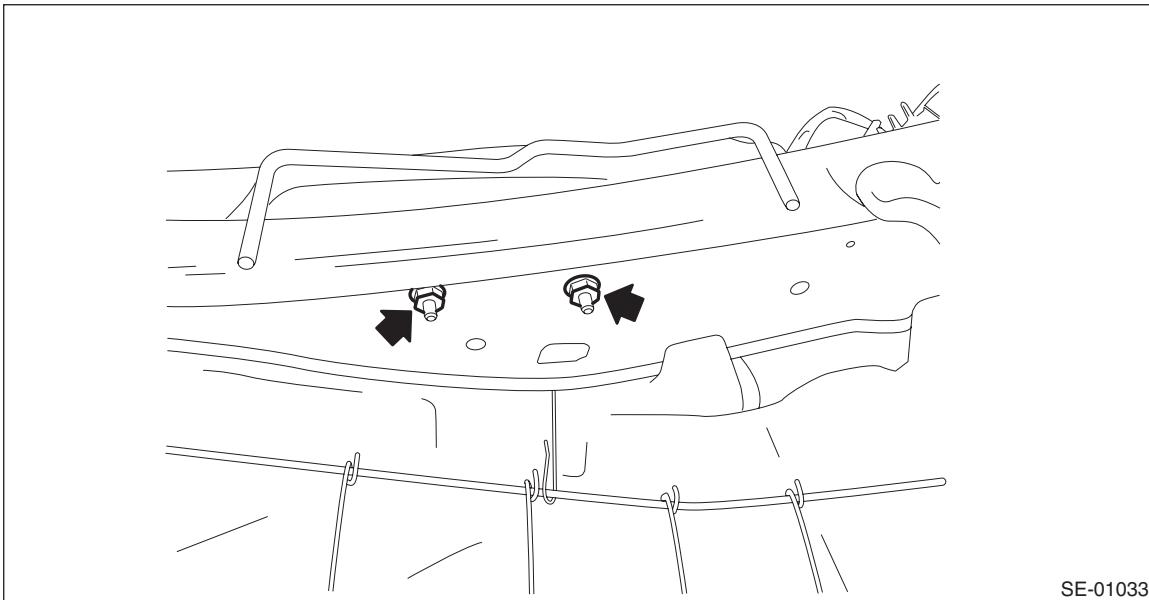
12) Remove the side airbag module assembly.

CAUTION:

Do not open the (plastic) protective cover of the airbag. If any damage is present in the protective cover (such as airbag module cloth coming out), replace the side airbag module assembly with a new one.

(1) Remove the S hook.

(2) Remove the mounting nuts of the side airbag module.

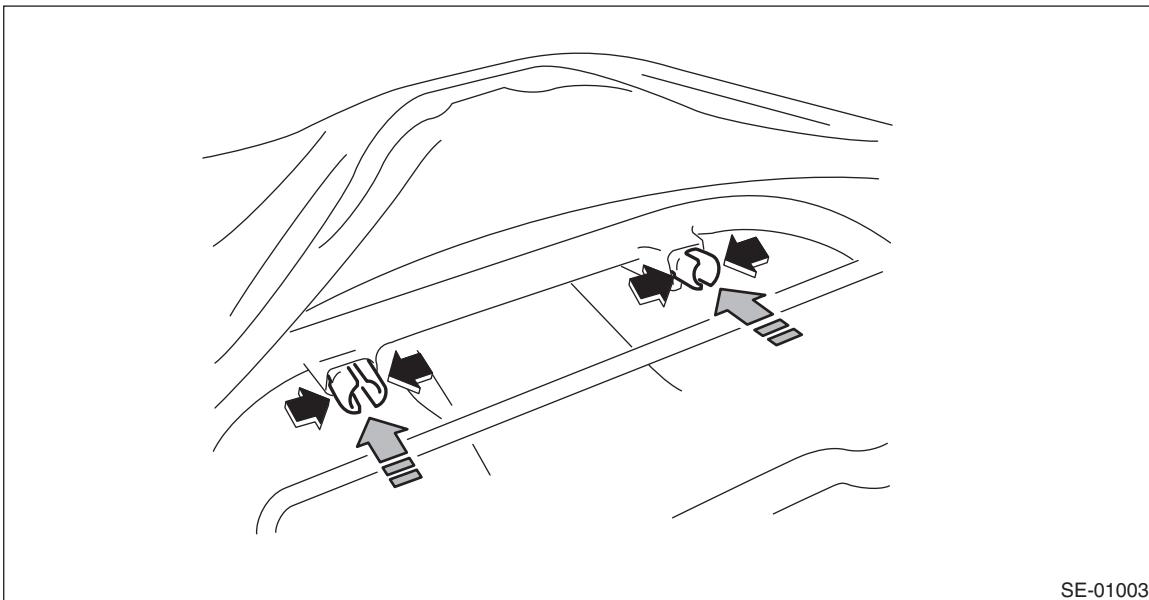


SE-01033

(3) Remove the side airbag harness from backrest frame assembly.

(4) While taking care not to damage the airbag (plastic) protective cover, remove the side airbag module assembly.

13) Remove the headrest bushing.



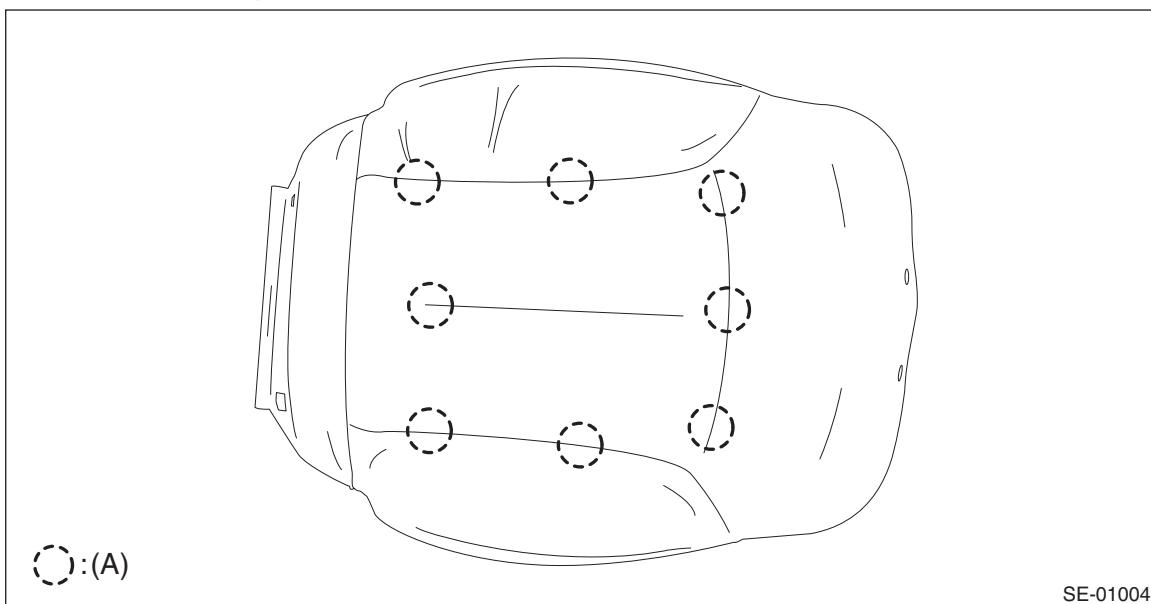
SE-01003

NOTE:

Catch the tip of headrest bushing with pliers and push it from inside seat to outside to remove it.

14) Pull out the backrest frame.

- 15) Remove the backrest cover.
 - (1) Remove the hog ring (A).
 - (2) Pull out the backrest pad from the backrest cover.



3. PASSENGER'S SEAT

CAUTION:

- When removing or replacing the seat cushion cover, be sure to perform the system calibration for the occupant detection system after installing the seat. <Ref. to OD(diag)-15, OPERATION, System Calibration (Rezeroing).>

If system adjustment is not performed, the passenger's airbag may not function properly.

- Only for passenger's seat, the occupant detection control module, occupant detection sensor, seat cushion pad and seat cushion frame are integrated in the seat cushion pad & frame assembly. Do not remove the occupant detection control module and occupant detection sensor from the seat cushion frame.

- When removing the seat cushion cover, be sure to replace the sling wire of seat cushion cover side with new one.

1) Remove the seat from vehicle. <Ref. to SE-10, REMOVAL, Front Seat.>

NOTE:

For power seat, lift the seating face before removing the seat.

2) Refer to the disassembly procedure of the driver's seat.

- MANUAL SEAT <Ref. to SE-11, DRIVER SEAT (MANUAL SEAT), DISASSEMBLY, Front Seat.>
- POWER SEAT <Ref. to SE-21, DRIVER SEAT (POWER SEAT), DISASSEMBLY, Front Seat.>

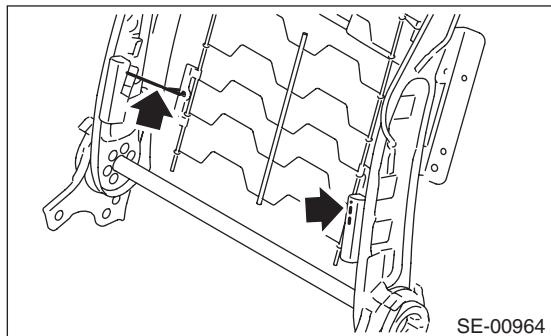
CAUTION:

The occupant detection control module, occupant detection sensor, seat cushion pad and seat cushion frame are integrated in the seat cushion pad & frame assembly. Do not remove the occupant detection control module and occupant detection sensor from the seat cushion frame.

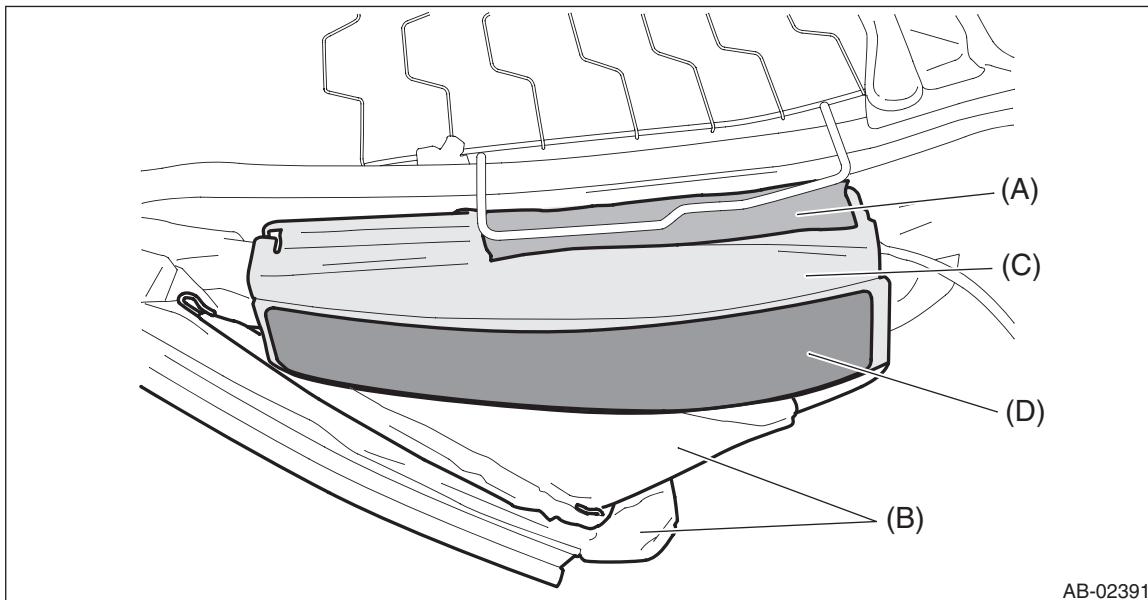
D: ASSEMBLY

CAUTION:

- Make sure that the wire harnesses such as side airbag harness and inner seat belt harness are laid out correctly. Incorrect harness routing during assembly can result in pinched harnesses or short circuits.
- If the flat mat hood of backrest frame assembly is deformed or detached, replace it with a new hook.



- Make sure that the side airbag module assembly is installed as shown in the figure.

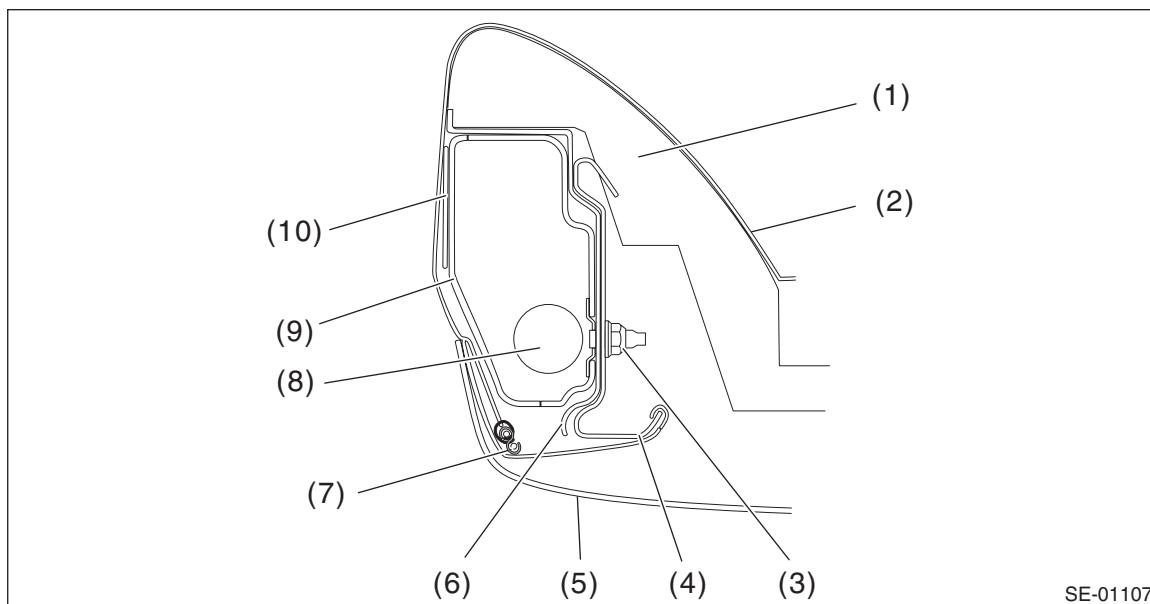


(A) Side airbag guide cloth

(B) Backrest cover

(C) Side airbag module ASSY

(D) Side airbag tape



SE-01107

(1) Backrest pad	(5) Backrest back cover	(8) Side airbag module inflator
(2) Backrest cover	(6) Side airbag guide cloth	(9) Side airbag module case
(3) Nut	(7) S hook	(10) Side airbag tape
(4) Backrest frame		

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

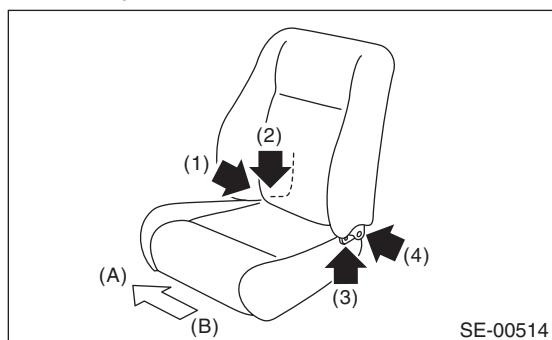
- When replacing the side airbag assembly with new one, be sure to attach the side airbag tape.
- Be careful not to stain or damage the backrest cover during assembly.
- Do not reuse hog rings and S hooks.
- Secure the hog ring using hog ring pliers.
- Install the hog rings to the specified points securely 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) Assemble remaining parts in the reverse order of removal.

NOTE:

Temporarily tighten the reclining hinge bolts in the order from (1) to (4) so that the seat back assembly is not fixed securely.



SE-00514

(A) Vehicle inside
(B) Vehicle outside

Tightening torque: <Ref. to SE-2, FRONT SEAT, COMPONENT, General Description.>

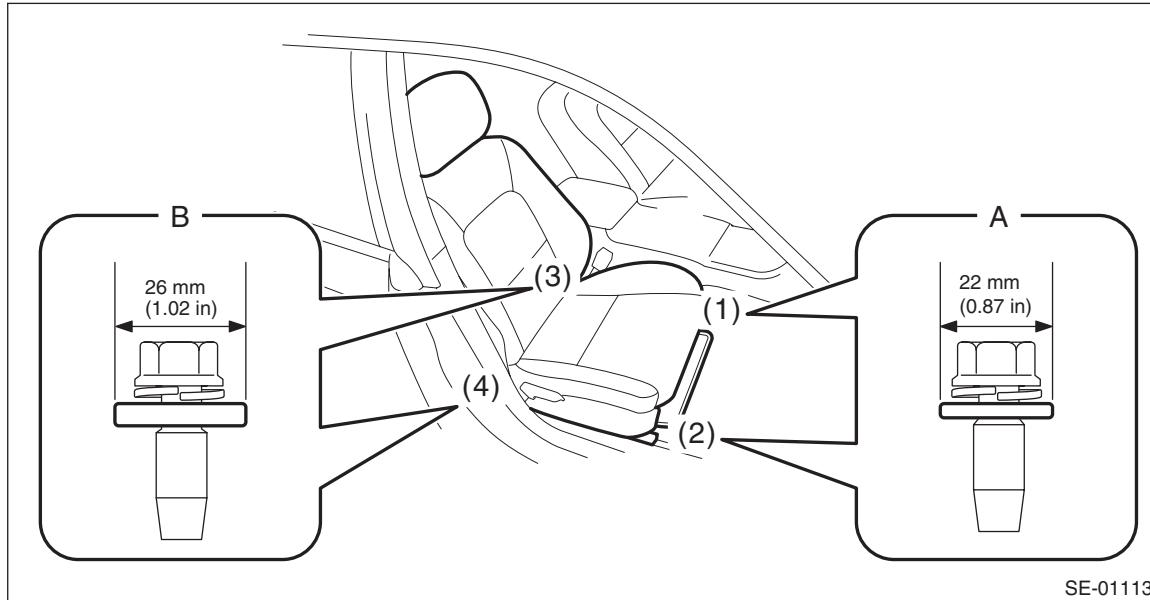
Front Seat

SEATS

3) Install the seat assembly.

CAUTION:

- The seat mounting bolts differ between the front mounting points and the rear mounting points. Make sure that you are using correct bolts at correct positions.
- Tighten the slide rail installing bolt gradually in several steps to the specified torque in the order as shown in the figure.



- Front (bolt A): Washer diameter 22 mm (0.87 in)
- Rear (bolt B): Washer diameter 26 mm (1.02 in)

Tightening torque: 53 N·m (5.4 kgf·m, 39.1 ft-lb)

E: INSPECTION

1. SEAT COVER

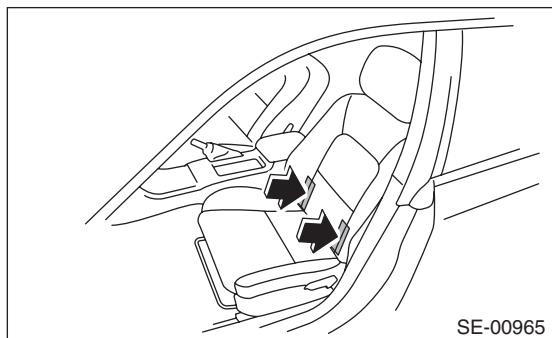
Check that no tear or fray on the backrest cover and seat cushion cover.

NOTE:

For model with side airbag, if the door side of the backrest cover is torn or frayed, the side airbag may not be deployed properly. In this case, replace the backrest cover.

2. FLAT MAT HOOK

Apply load to the backrest and check the flat mat hook.



NOTE:

If the backrest does not keep sufficient tension when subject to load, some hooks may be detached. If any hook is deformed and detached, replace it with a new hook.

