

7. Side Airbag Module

A: REMOVAL

CAUTION:

Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>

NOTE:

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

- 1) Remove the headrest assembly.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

NOTE:

- For the seat with lifter, set the height to the middle position.
 - For the power seat, remove the slide rail installing bolt before removing the battery ground.
- 3) Remove the front seats.

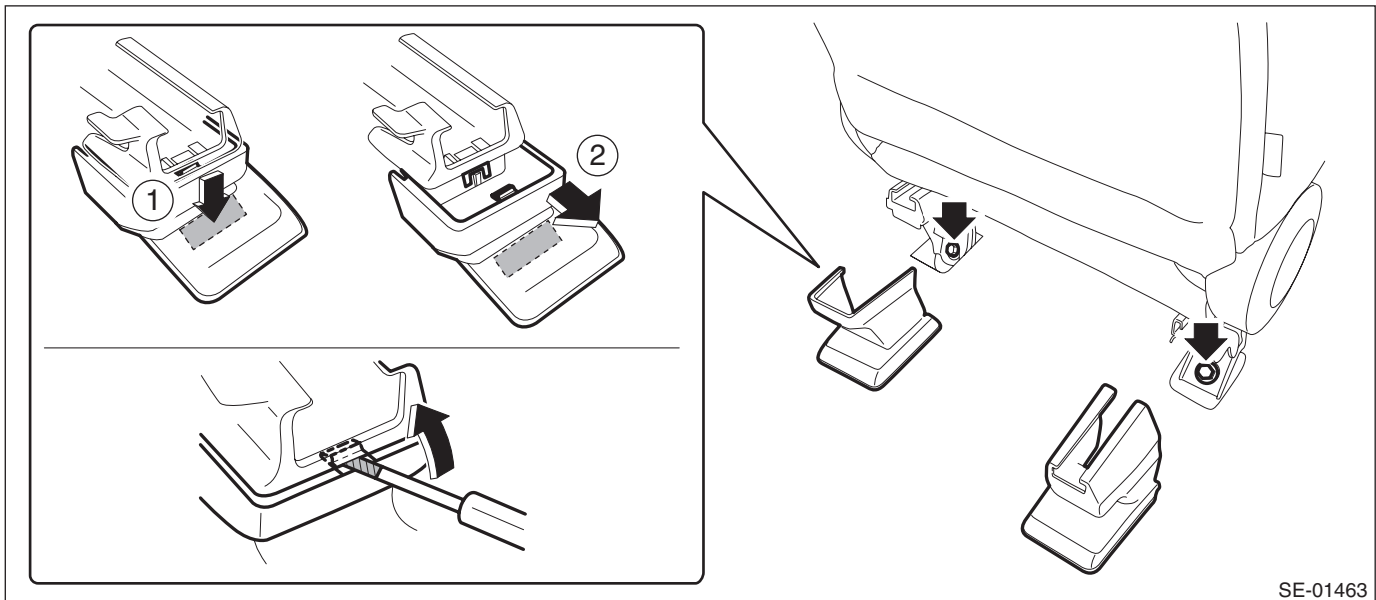
CAUTION:

Be careful not to damage the body when taking out the seat from the vehicle.

- (1) Tilt the backrest assembly forward and move the front seat to the front most position.
- (2) While spreading the tip of the cover - bolt rear OUT side to side, pull it out toward you to remove.
- (3) Remove the cover - bolt rear INN.

NOTE:

- Firmly push in the cover - bolt rear INN at the point shown in the figure until a clicking sound is heard and remove it.
- If it is difficult to remove, release the claw using a flat tip screwdriver wrapped with protection tape while pushing the point shown in the figure to remove.



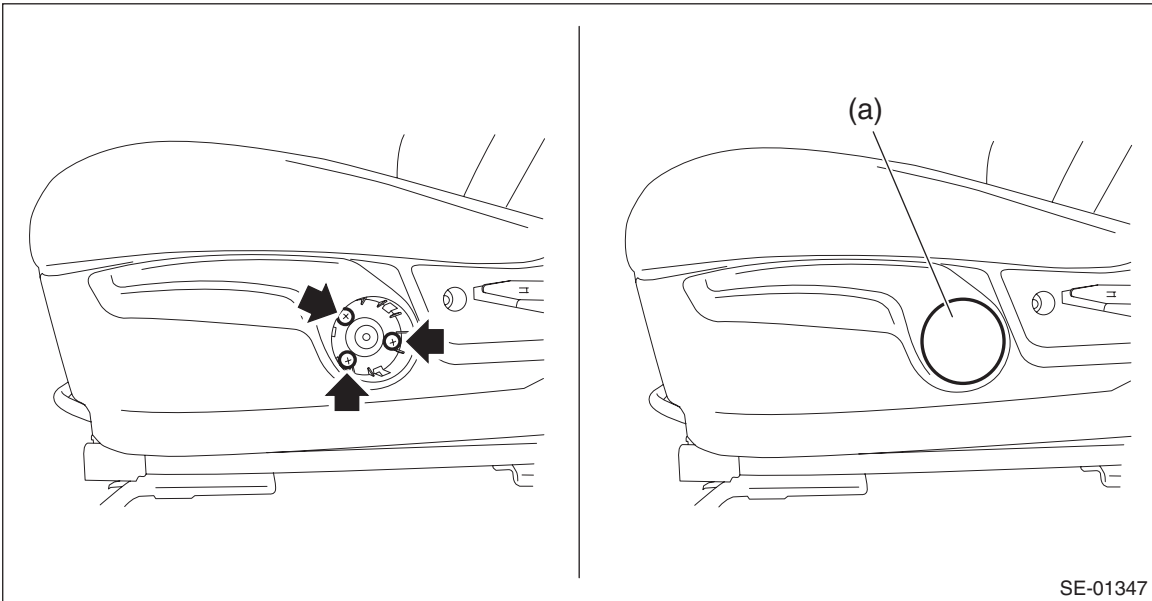
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- (4) Move the front seat to the rearmost position, and remove the bolts.

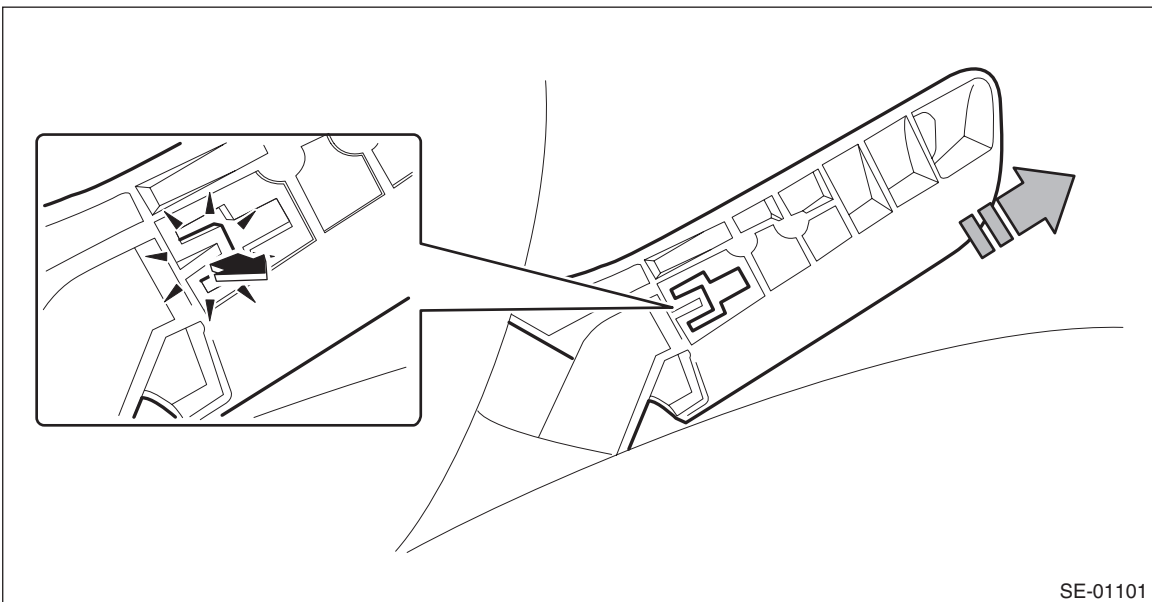
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- (5) Disconnect the connector under the front seat.
- Seat belt warning light connector (driver's seat)
 - Occupant detection system harness connector (passenger's seat) <Ref. to OD(diag)-9, OCCUPANT DETECTION SYSTEM (BETWEEN AIRBAG REAR HARNESS AND SEAT HARNESS), PROCEDURE, Airbag Connector.>
 - Side airbag module connector <Ref. to AB-26, SIDE AIRBAG MODULE, PROCEDURE, Airbag Connector.>
 - Seat heater connector (model with seat heater)
 - Power seat connector (model with power seats)
 - Buckle switch RH connector (passenger's seat) <Ref. to AB-27, BUCKLE SWITCH RH, PROCEDURE, Airbag Connector.>
- (6) Take out the front seat assembly from the vehicle.
- 4) Remove the knob - lifter. (Seat with manual lifter)
- (1) Using a flat tip screwdriver, remove the cap - lifter lever (a).
- (2) Remove the screws and remove the knob - lifter.

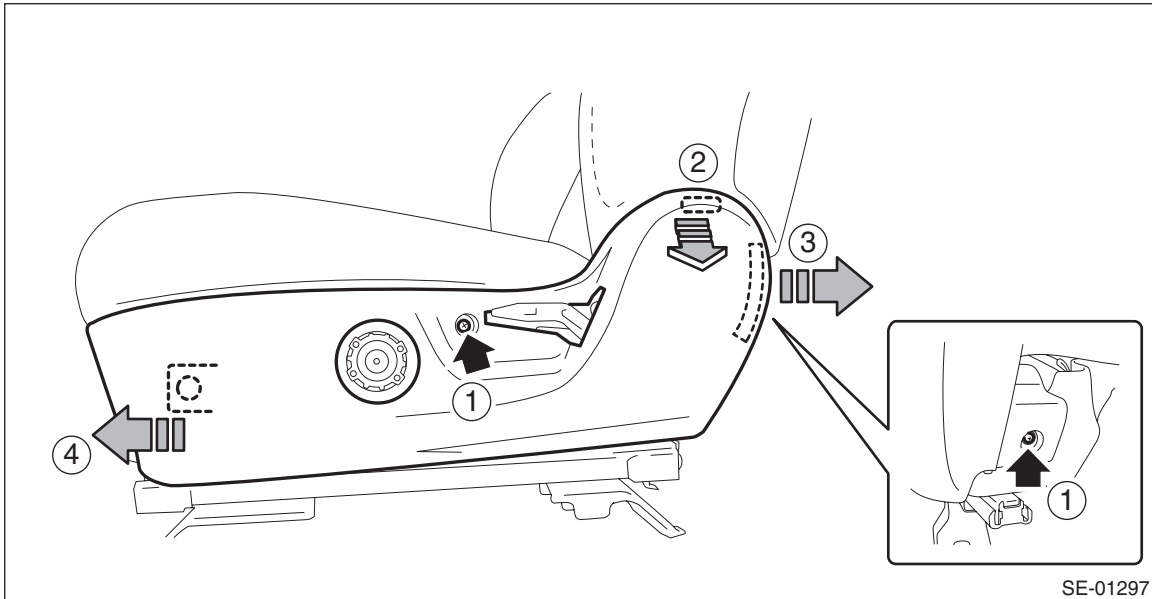


- 5) Remove the lever - reclining. (Manual seat)
- (1) Pull up the lever - reclining and release the claws on the back.
- (2) Pull out the lever - reclining.



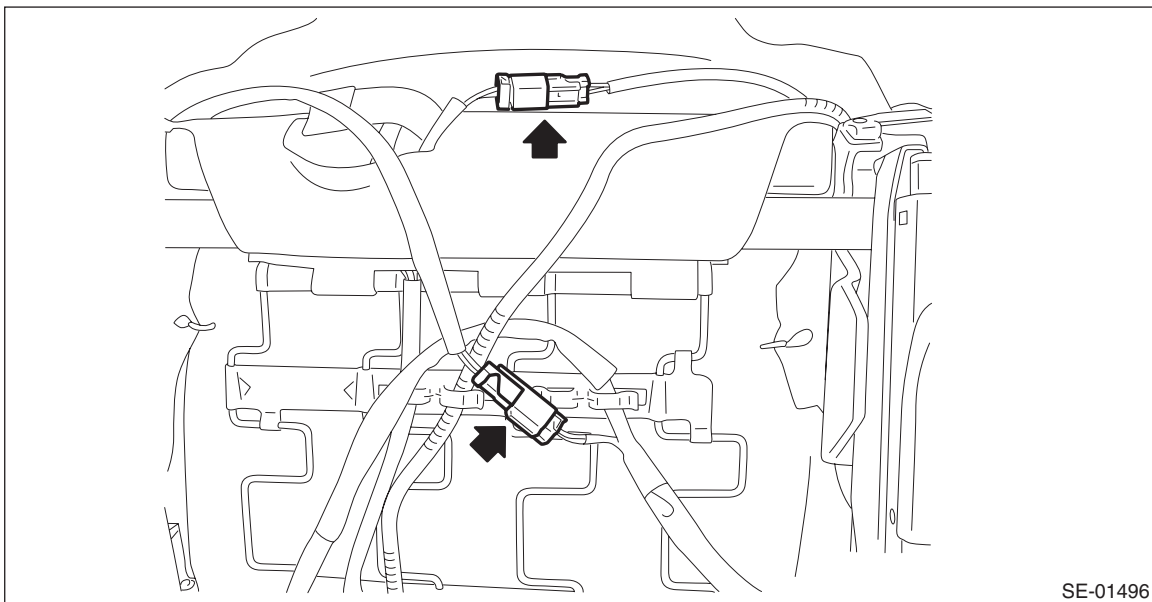
6) Remove the cover - hinge front seat outer. (Manual seat)

- (1) Remove the screws.
- (2) Release the claw in the upper section of the cover - hinge front seat outer.
- (3) Release the claw in the rear section of the cover - hinge front seat outer.
- (4) Release the claw in the front section of the cover - hinge front seat outer, then remove the cover - hinge front seat outer.



7) Disconnect the connectors from the backside of seat cushion.

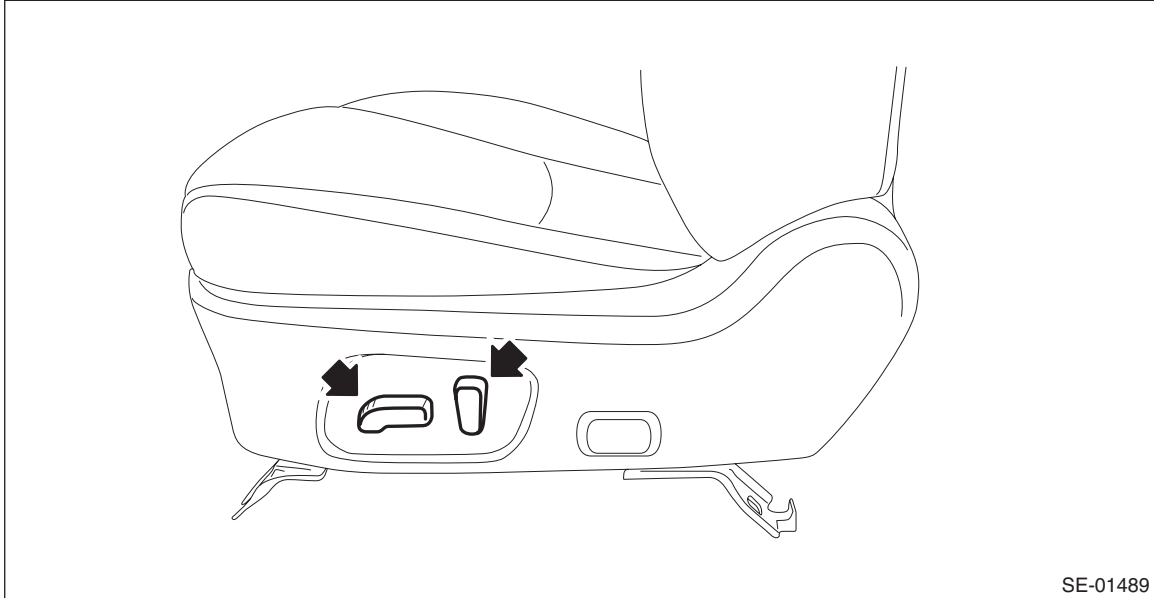
- Disconnect the connector for reclining motor. (Power seat)
- Disconnect the connector of seat heater harness. (With seat heater)



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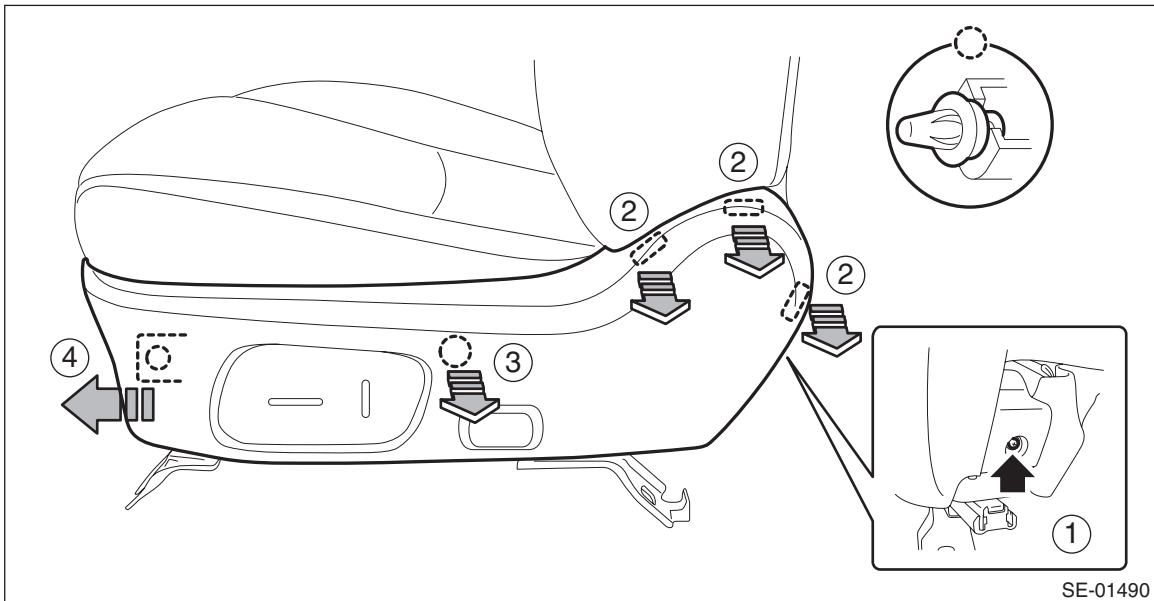
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8) Remove the knob - power seat. (Power seat)



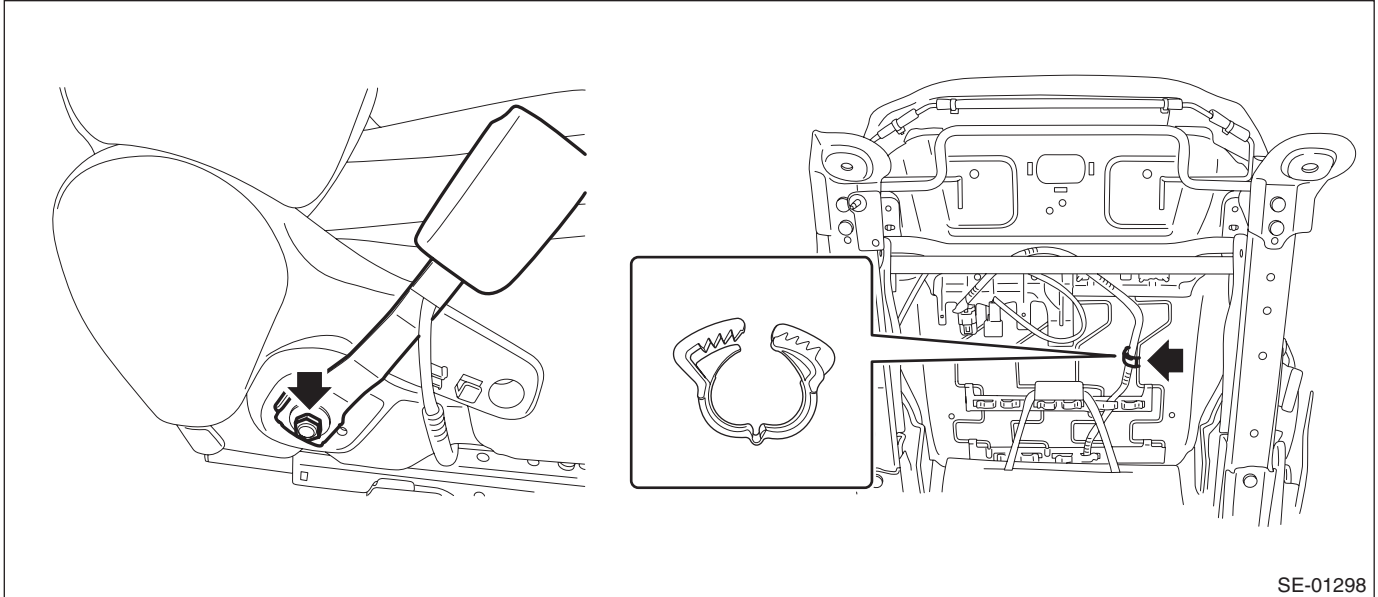
9) Remove the cover - hinge front seat OUT. (Power seat)

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



10) Remove the seat belt inner - front.

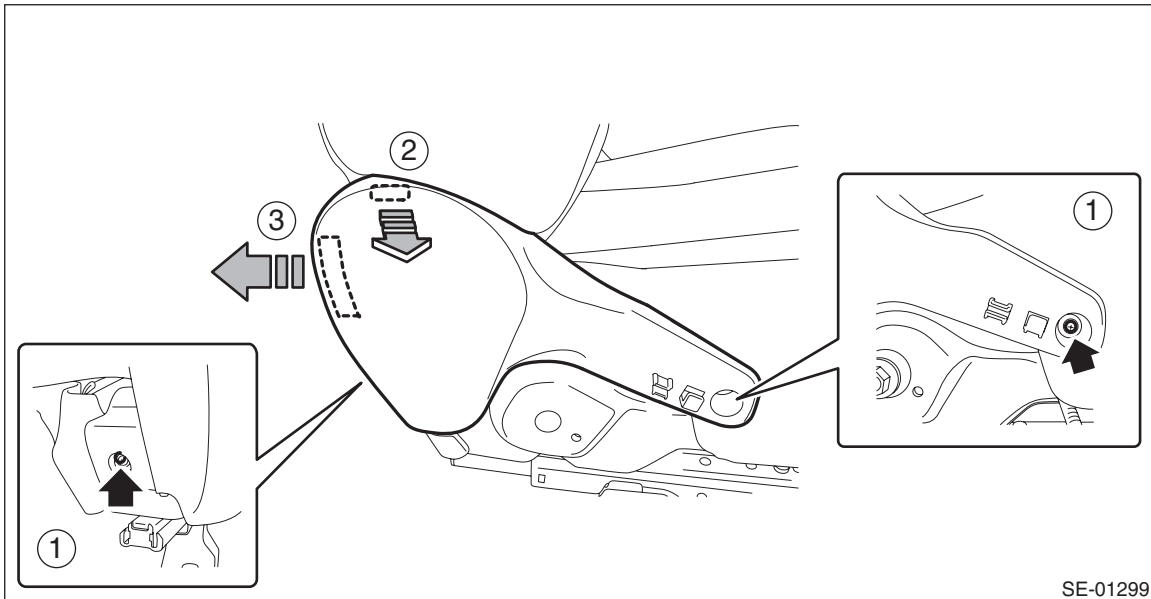
- (1) Remove the nut, and remove the seat belt inner - front.
- (2) Remove the clip for the seat belt inner - front located under the seat cushion assembly.



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11) Remove the cover - hinge front seat inner.

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

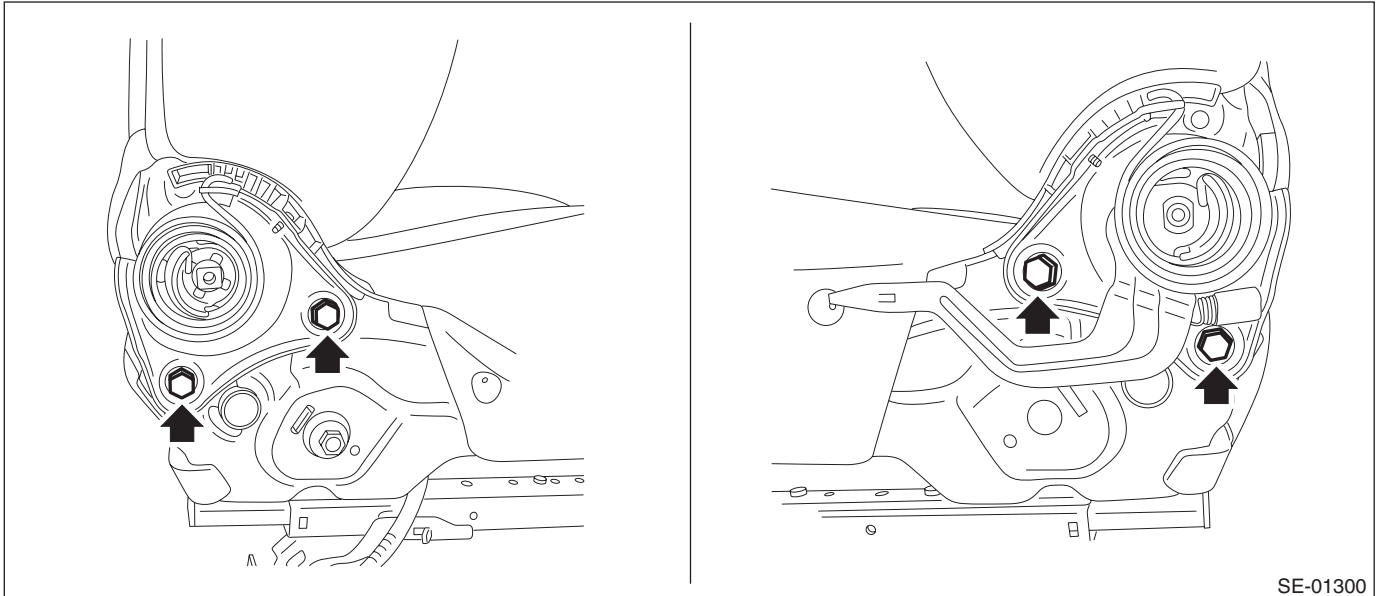


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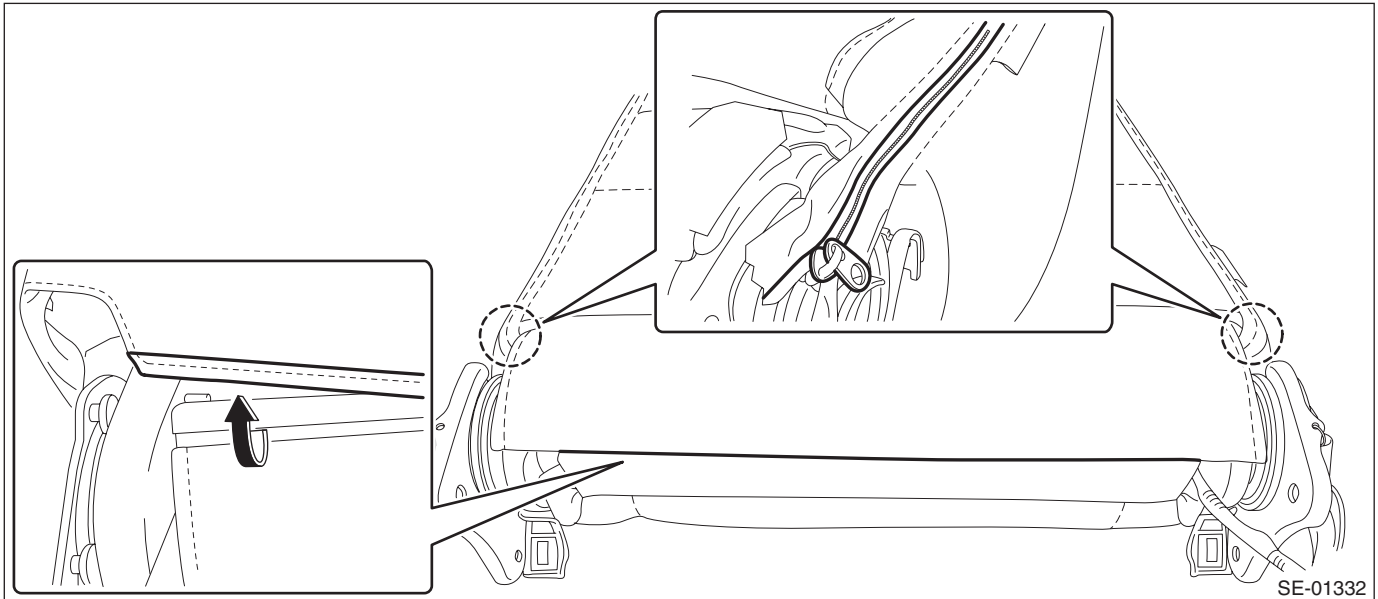
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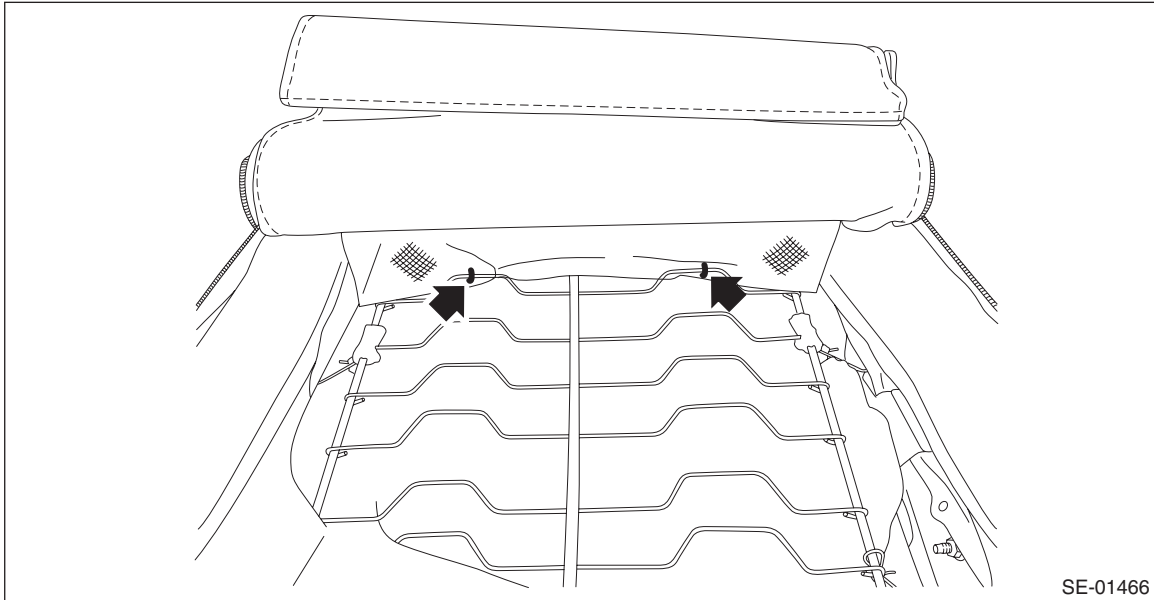
- 12) Separate the backrest assembly and the seat cushion assembly.
- (1) Remove the clip for the side airbag harness located under the seat cushion assembly.
 - (2) Remove the bolts from reclining hinge of both sides.
 - (3) While taking care not to damage each harness, separate the backrest assembly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



- 13) Remove the pad assembly - front seat backrest and the cover COMPL - front backrest.
- (1) Remove the plastic fastener at the back side (bottom) of backrest assembly.
 - (2) Open the fastener at the rear side of backrest assembly.



(3) Remove the hog ring.



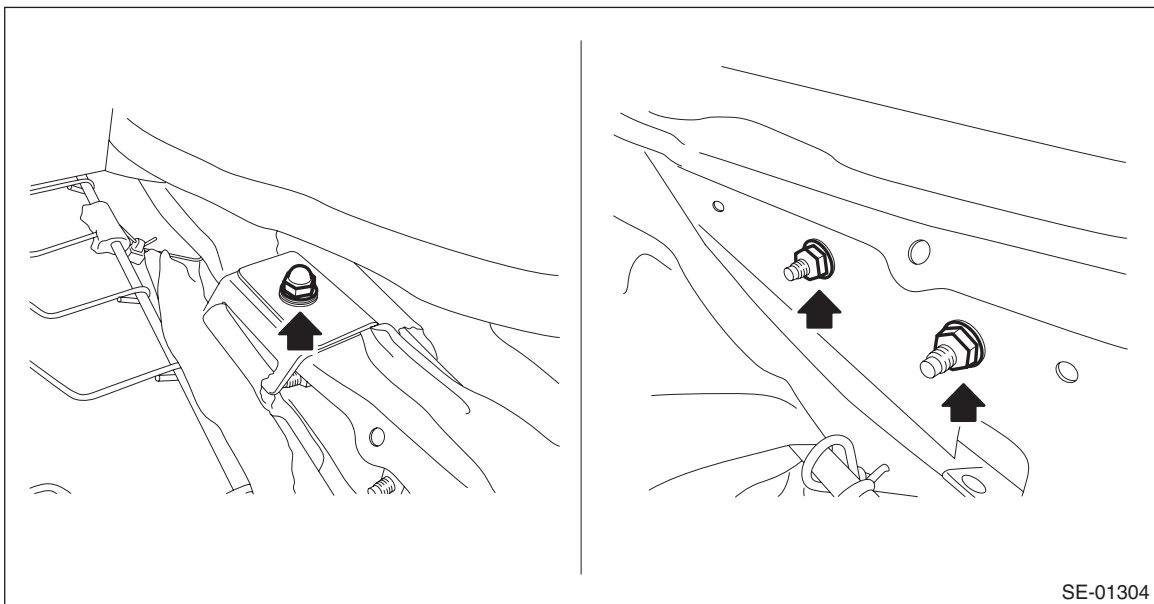
14) Remove the side airbag module.

CAUTION:

Do not open the protective cover of the side airbag module. If any damage is present in the protective cover or the cloth of side airbag module comes out from the protective cover slit, replace the side airbag module with a new part.

(1) Remove the hexagon cap nut and nuts.

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



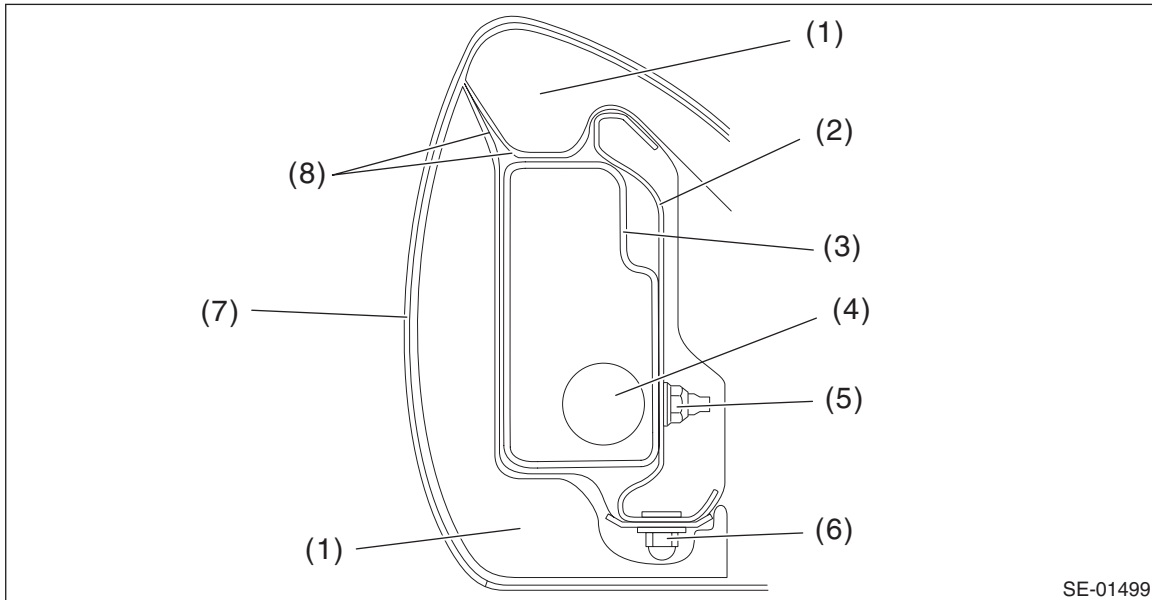
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B: INSTALLATION

CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>
- Make sure that the side airbag module is installed as shown in the figure.



- | | | |
|---|---------------------------------|----------------------------------|
| (1) Pad ASSY - front seat backrest | (4) Side airbag module inflator | (7) Cover COMPL - front backrest |
| (2) Frame ASSY - front backrest | (5) Nut | (8) Side airbag guide cloth |
| (3) Side airbag module protective cover | (6) Hexagon cap nut | |

- Be careful not to stain or damage the cover COMPL - front backrest 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 there is no wrinkle or twisting on the cover COMPL - front backrest.

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Make sure that there is no foreign matter on side airbag module.
- Front seat, airbag module and mounting bracket are damaged or deformed.
- Harness and/or connector is cracked, deformed or open.
- Harness wire is exposed.

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

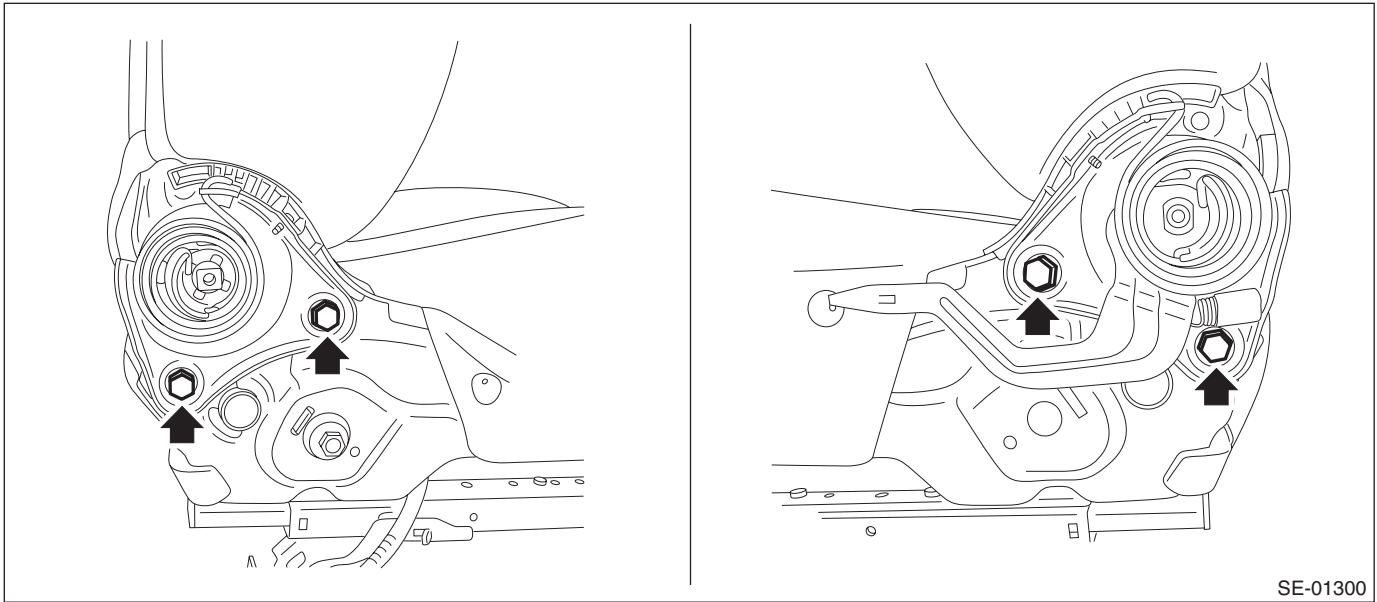
Tightening torque:

Side airbag module: 6 N·m (0.61 kgf-m, 4.4 ft-lb)

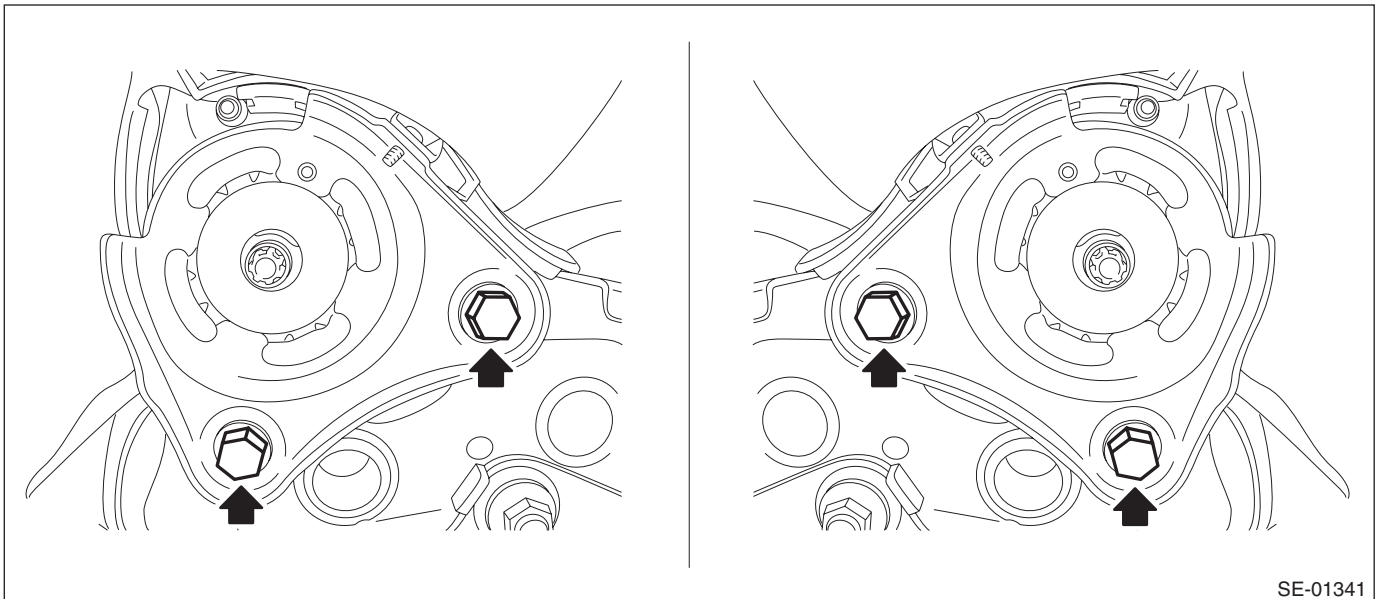
- 3) Install the side airbag harness to the frame assembly - front backrest.
- 4) Install the cover COMPL - front backrest.

5) Secure the backrest hinge.

- Manual seat



- Power seat



Tightening torque:

Refer to “COMPONENT” of “General Description”. <Ref. to SE-2, FRONT SEAT, COMPONENT, General Description.>

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6) Connect each harness and mount on the back of the seat cushion assembly using a cable clip.

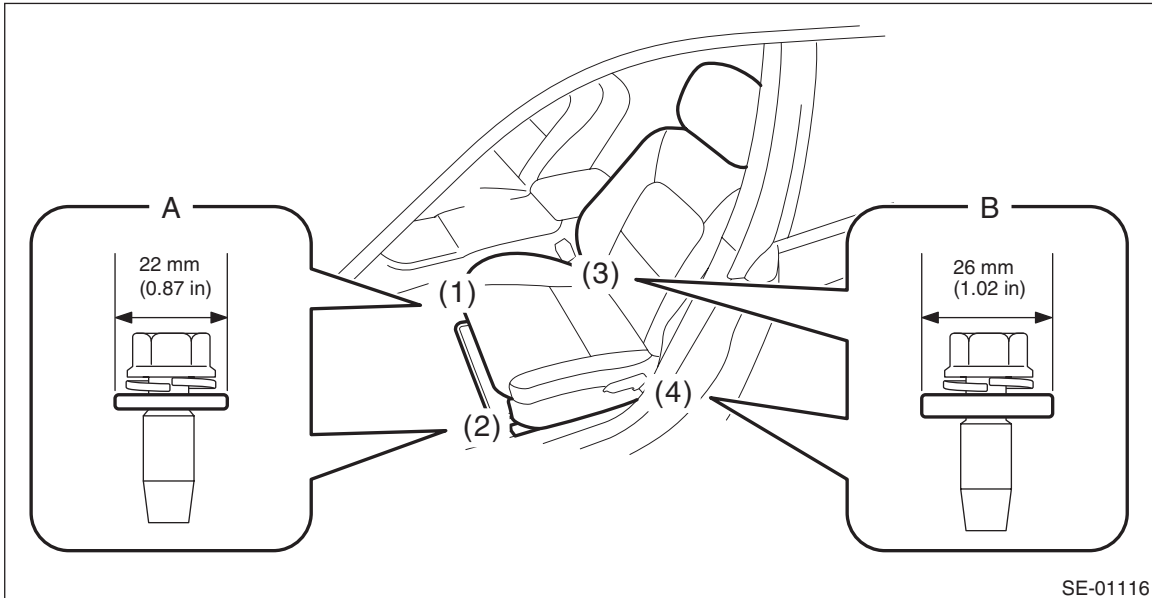
CAUTION:

After restoring the seat, operate the reclining and sliding mechanisms to check that the harness is not caught.

7) Install the front seat assembly to the body.

CAUTION:

- The front seat mounting bolts differ between the front mounting points and the rear mounting points. When installing the front seat, make sure that you are using correct bolts at correct positions.
- Tighten the slide rail assembly installing bolts in the order as shown in the figure, in several steps by gradually increasing the torque until they reach the specified torque.



- 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 (5.40 kgf-m, 39.1 ft-lb)