

2. Front Seat

A: REMOVAL

CAUTION:

The airbag system is fitted with a backup power source. After disconnecting the battery ground cable, the airbag may deploy if you do not wait for 20 seconds before starting the service of airbag system.

1. DRIVER'S SEAT

- 1) Disconnect the ground cable from battery, and wait for 20 seconds or more before starting work.
- 2) Remove the headrest.
- 3) Remove the slide rail installing bolt.
 - (1) Tilt the backrest forward, and move the seat to the full forward position.
 - (2) Remove the rear bolt cover at the rear end of the slide rail, and remove the two bolts.
 - (3) Move the seat to the rearmost position, and remove the two bolts at the front side of the slide rail.
- 4) Tilt the backrest forward, and move the seat forward.
- 5) Remove the rear bolt cover, and remove the two bolts at the rear side of the slide rail.
- 6) Move the seat towards the rear, and remove the two bolts at the front side of the slide rail.
- 7) Disconnect the connector under the seat.
 - Seat belt buckle switch connector
 - Side airbag connector
 - Seat heater connector (model with seat heater)
- 8) Remove the seat from vehicle.

2. PASSENGER'S SEAT

CAUTION:

Refer to "CAUTION" of "General Description" before starting the work. <Ref. to SE-5, CAUTION, General Description.>

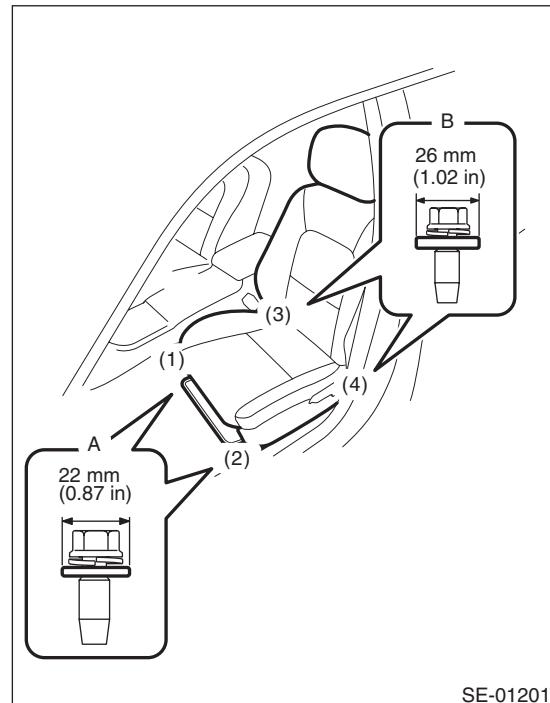
- 1) Disconnect the ground cable from battery, and wait for 20 seconds or more before starting work.
- 2) Remove the headrest.
- 3) Tilt the backrest forward, and move the seat forward.
- 4) Remove the rear bolt cover, and then remove the rear side of slide rail.
- 5) Move the seat backward, remove the front bolt cover, and then remove the bolt at the front side of slide rail.
- 6) Disconnect all the connectors of connector holder in the backside of seat cushion.
 - Harness connector of occupant detection control module
 - Side airbag connector
 - Seat heater connector (model with seat heater)
- 7) Remove the seat from vehicle.

B: INSTALLATION

Install 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.



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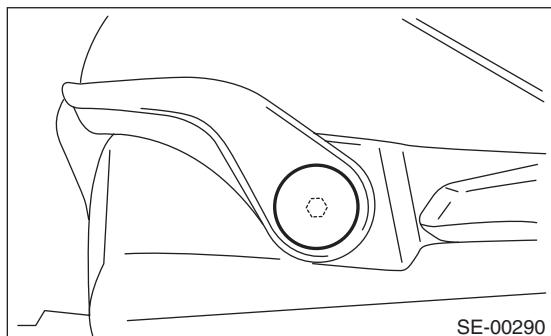
- Front (bolt A): Washer diameter 22 mm (0.87 in)
- Rear (bolt B): Washer diameter 26 mm (1.02 in)

Tightening torque:

53 N·m (5.4 kgf-m, 39.1 ft-lb)

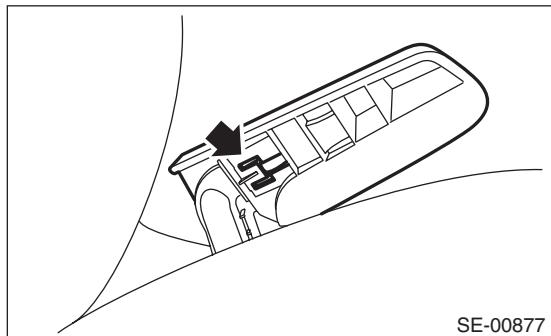
C: DISASSEMBLY**1. STANDARD SEAT**

- 1) Remove the seat from vehicle. <Ref. to SE-6, REMOVAL, Front Seat. >
- 2) Remove the seat lifter cover using a flat tip screwdriver and loosen the inner bolt to remove the seat lifter lever.



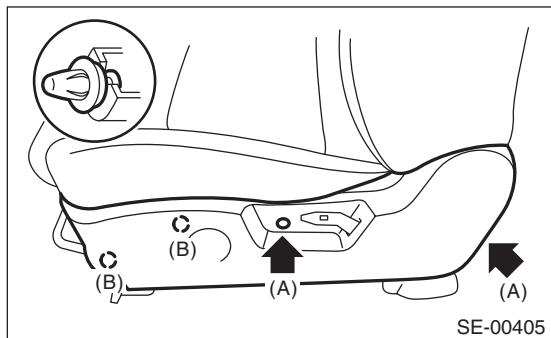
SE-00290

- 3) Disengage the tab while pulling the reclining lever, and remove the reclining lever cover.



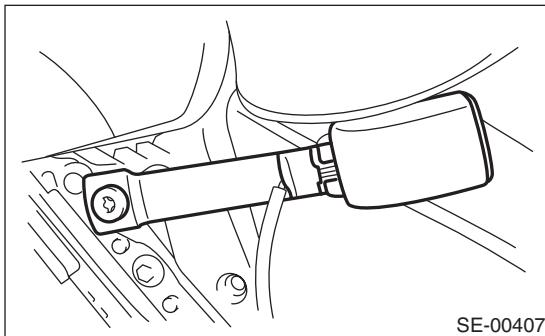
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- 4) Remove screws (A) and clips (B), and then detach the seat side cover outside.



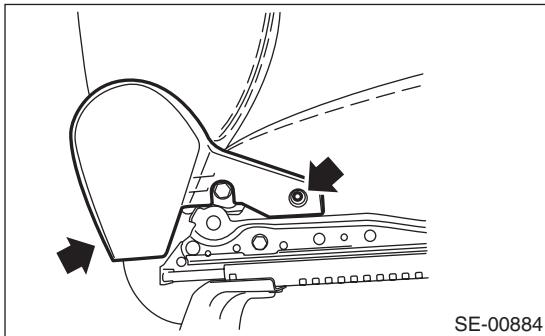
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- 5) Remove the TORX® bolt, and then remove the inner seat belt assembly.



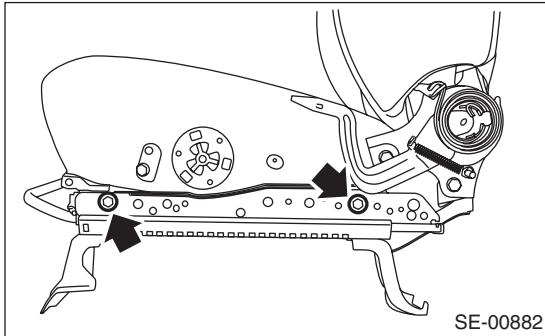
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- 6) Loosen the screws to detach the seat side cover inside.



SE-00884

- 7) Remove the bolts on the side of seat cushion assembly, and then remove the slide rail.

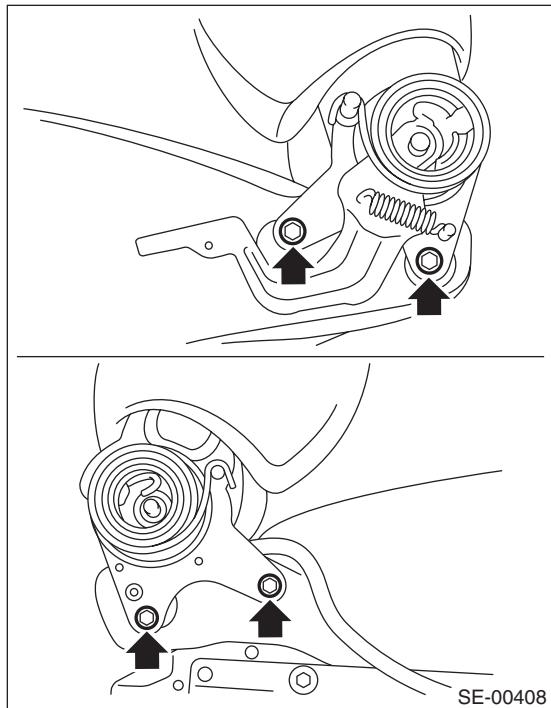


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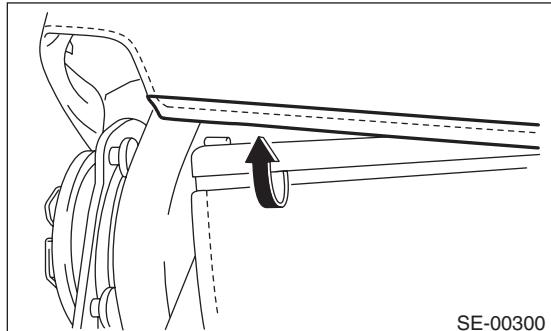
Front Seat

SEATS

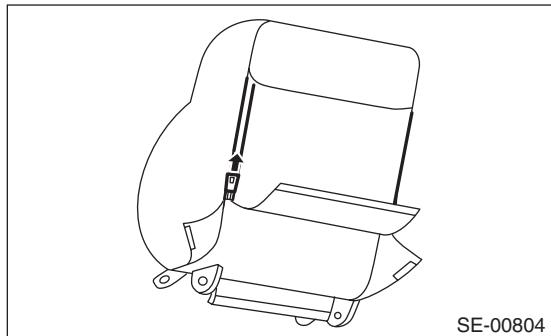
8) Remove the bolts from reclining hinge of both sides.



9) Remove the plastic fastener at the bottom-back side of backrest.



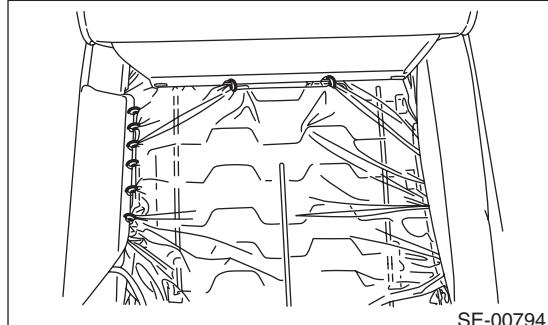
10) Open the fastener at the rear side of backrest.



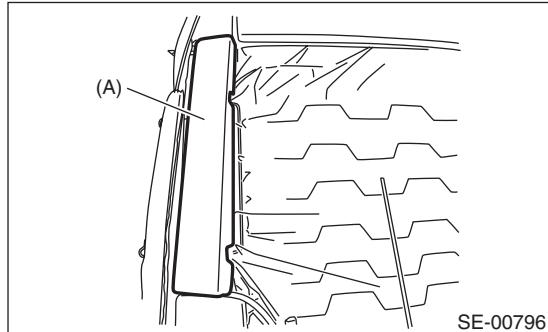
11) Remove the hog rings of backrest cover.

CAUTION:

When removing the hog rings, be careful not to tear the vinyl sheet within the seat. If torn, replace with a new part.



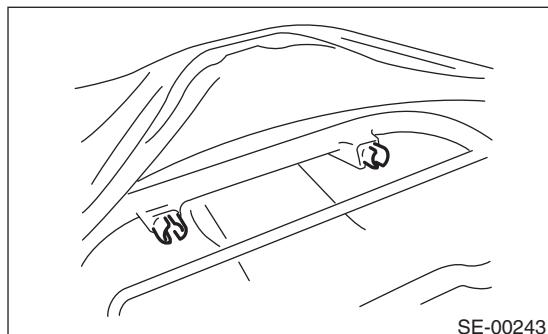
12) Remove the pad (A), and remove the mounting nut from the side airbag module.



13) Remove the headrest bushing.

NOTE:

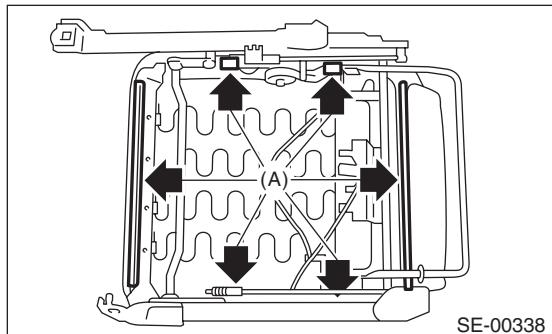
Push outside to remove it from the inside of seat.



14) Pull out the backrest frame.

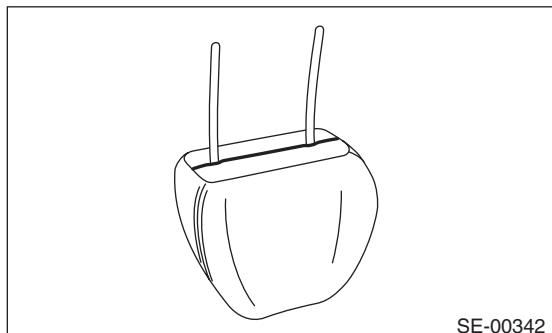
15) Remove all the hog rings at front of seat back, and then remove the seat back cover from seat backrest.

16) Remove the plastic hooks (A) of the seat cushion cover, and then remove the seat cushion frame assembly.



17) Remove all the hog rings, and then remove the seat cushion cover from seat cushion pad.

18) Open the plastic fastener on the bottom of the headrest, and then remove the headrest cover from the headrest.



2. PASSENGER'S SEAT

CAUTION:

- If the seat cushion cover is removed or replaced, make sure to perform passenger detection system adjustment after installing the seat to the vehicle. <Ref. to OD(diag)-13, SYSTEM CALIBRATION (REZEROING), OPERATION, Subaru Select Monitor.>

Failure to do so may cause improper activation of passenger's airbag.

- The passenger detection system (passenger seat only) control unit, passenger detection sensor, seat cushion pad and seat cushion frame are considered as a single seat cushion pad and frame assembly. Never remove the passenger detection control unit or the pressure sensor from the seat cushion frame.
- If the seat cushion cover is removed, make sure to replace the hang wire on the seat cushion side with a new wire.

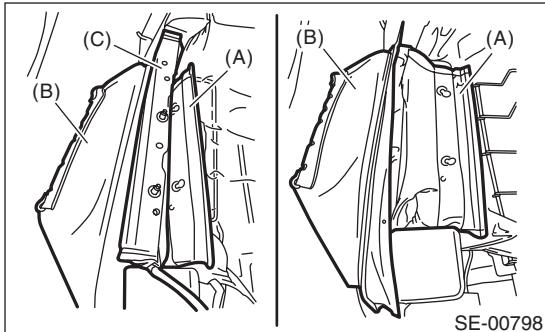
1) Remove the seat from vehicle. <Ref. to SE-6, PASSENGER'S SEAT, REMOVAL, Front Seat.>

2) Refer to the disassembly procedures for the driver's seat.

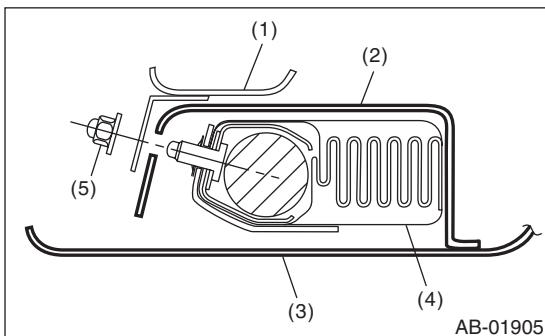
D: ASSEMBLY

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 deployed properly, therefore keep strictly to the following procedure.

- Be careful not to stain or damage the backrest cover during assembly.
- Always use new 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.

Assemble in the reverse order of disassembly.

Tightening torque:

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

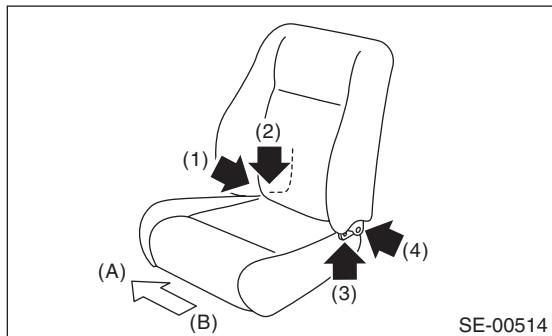
SEATS

1. DRIVER'S SEAT

NOTE:

- When installing the inner seat belt assembly, follow the procedure described in the seat belt section. <Ref. to SB-17, INSTALLATION, Front Seat Belt.>
- Install the backrest assembly and seat cushion assembly in the following procedure.

- Temporarily tighten the four reclining hinge bolts.
- Place the backrest in the most upright position.
- Tighten the reclining hinge bolts in the order of (1) through (4), in two or three steps by gradually increasing the torque until they reach the specified torque.



(A) Vehicle inside
(B) Vehicle outside

- Assemble in the reverse order of disassembly.

2. PASSENGER'S SEAT

CAUTION:

Make sure to adhere to the following rules when assembling the passenger seat. Improper work procedures can cause the passenger detection system to not operate properly.

- If the seat cushion cover is removed or replaced, make sure to perform occupant detection system adjustment after installing the seat. <Ref. to OD(diag)-13, SYSTEM CALIBRATION (REZEROING), OPERATION, Subaru Select Monitor.>

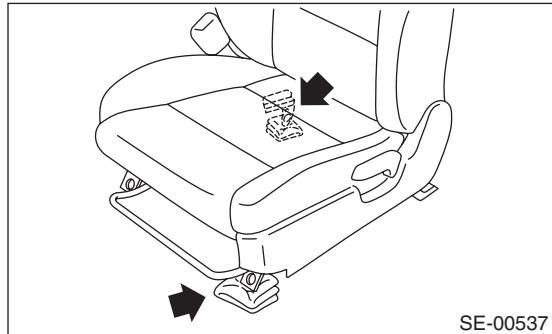
Failure to do so may prevent the passenger's airbag from operating properly.

- The passenger detection system (passenger seat only) control unit, passenger detection sensor, seat cushion pad and seat cushion frame are considered as a single seat cushion pad and frame assembly. Never remove the passenger detection control unit or the pressure sensor from the seat cushion frame.

- If the seat cushion cover is removed, make sure to replace the hang wire on the seat cushion side with a new wire.

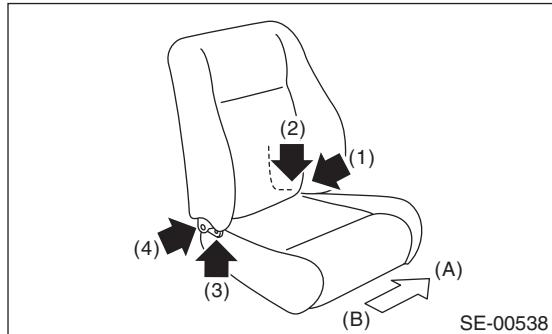
- Make sure to install the hog rings/clips to the specified locations. Do not reuse hog rings.**

- Assemble the seat cushion in the reverse order of disassembly.
- Assemble the backrest in the reverse order of disassembly.
- When installing the backrest assembly to the seat cushion assembly, fill the gap in the front side of slide rail LH and in the rear side of slide rail RH with cloth etc. in order to stabilize the seat cushion assembly.



SE-00537

- Temporarily tighten the reclining hinge bolts in the order of (1) through (4) to an extent that the seat backrest assembly is not held securely.



(A) Vehicle inside
(B) Vehicle outside

- Use the reclining lever to place the backrest in the most upright position, and check the first lock position of recliner.

- Hold the seat cushion assembly securely, and tighten the reclining hinge bolts in the order described above until they reach the specified torque.

CAUTION:

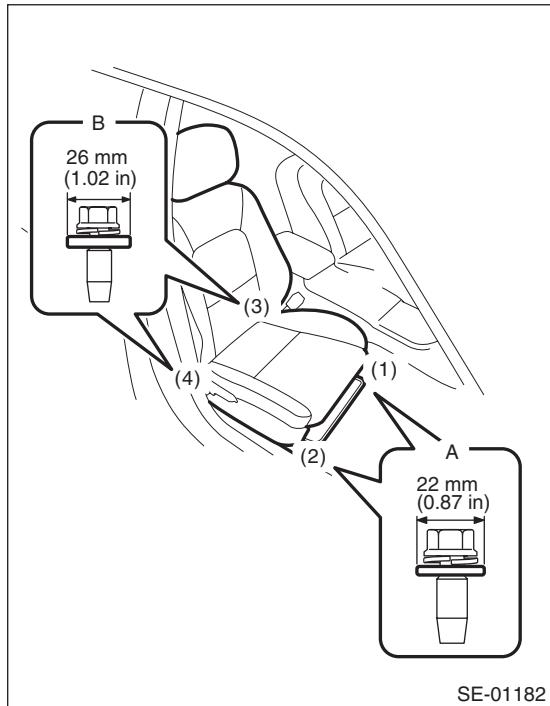
Do not touch the backrest assembly when tightening the reclining hinge bolts.

- Assemble each harness, inner belt assembly and each cover in the reverse order of removal.

8) 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

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

NOTE:

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.