

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.

NOTE:

If a front seat is power seat with memory function, the memory function must be initialized after installing seat to the vehicle. <Ref. to SE-41, ADJUSTMENT, Power Seat System.>

If it is not initialized, the memory function may not operate properly.

1. DRIVER'S SEAT

- 1) Remove the headrest.
- 2) Tilt the backrest forward, and move the seat forward.
- 3) Remove the rear leg cover, and remove the two bolts at the rear side of slide rail.
- 4) Move the seat backward, remove the front leg cover, and then remove the 2 bolts at the front side of the slide rail.
- 5) Disconnect the ground cable from battery, and wait for 60 seconds or more before starting work.
- 6) Disconnect the connector under the seat.
 - Seat belt buckle switch connector
 - Side airbag connector
 - Seat heater connector
 - Power seat connector
- 7) Remove the seat from vehicle.

2. PASSENGER'S SEAT

CAUTION:

Refer to "CAUTION" of "General Description" before starting the work. <Ref. to SE-6, CAUTION, General Description.>

- 1) Remove the headrest.
- 2) Tilt the backrest forward, and move the seat forward.
- 3) Remove the rear leg cover, and remove the bolt at the rear side of the slide rail.
- 4) Move the seat backward, remove the front leg cover, and then remove the bolt at the front side of the slide rail.
- 5) Disconnect the ground cable from battery, and wait for 60 seconds or more before starting work.

- 6) Disconnect all the connectors of connector holder in the backside of seat cushion.
 - Harness connector of occupant detection control module
 - Side airbag connector
 - Power seat connector
 - Seat heater connector
- 7) Remove the seat from vehicle.

B: INSTALLATION

CAUTION:

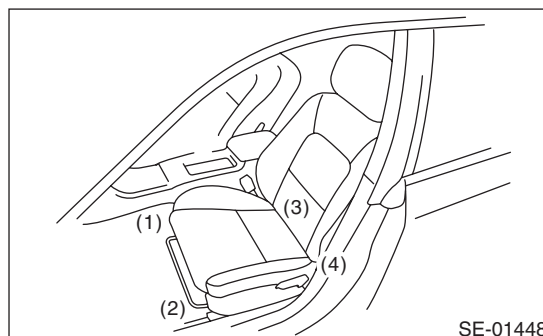
For a power seat with memory function, if a front seat is removed, the memory function must be initialized after installing the seat to the vehicle. <Ref. to SE-41, ADJUSTMENT, Power Seat System.>

If it is not initialized, the memory function may not operate properly.

Install in the reverse order of removal.

NOTE:

Tighten the slide rail installing bolts in the order as shown in the figure, in several steps by gradually increasing the torque until they reach the specified torque.



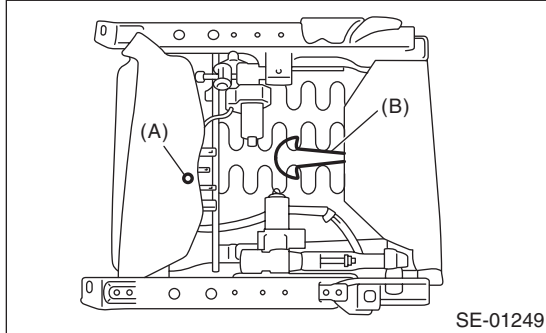
Tightening torque:

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

C: DISASSEMBLY

1. DRIVER'S SEAT

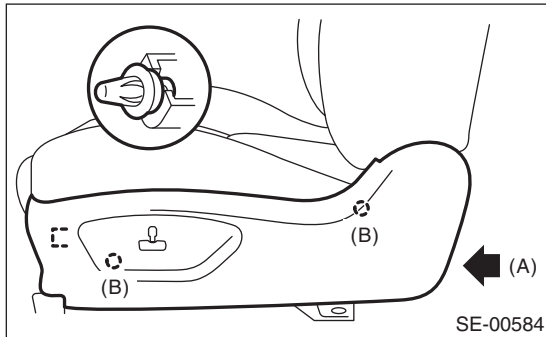
- 1) Remove the seat from vehicle. <Ref. to SE-7, DRIVER'S SEAT, REMOVAL, Front Seat.>
- 2) Remove the clip (A) and straps (B) on the back of seat cushion.



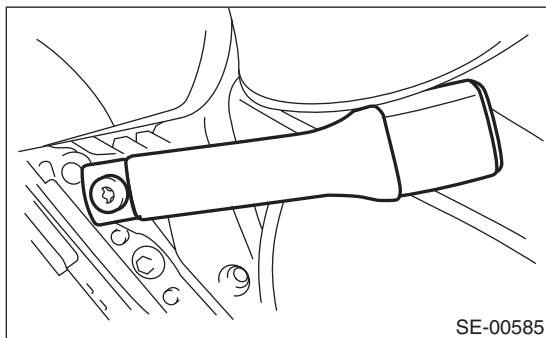
- 3) Disconnect the following connectors from the backside of seat cushion.

- Side airbag
- Seat heater
- Power seat
- Seat belt

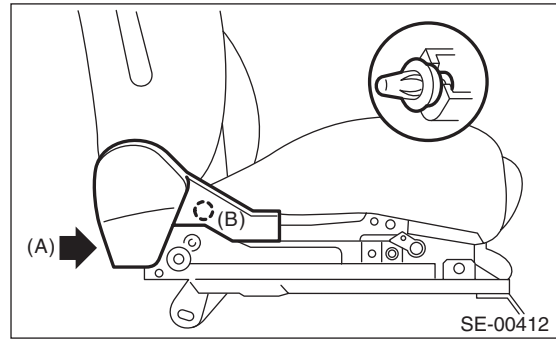
- 4) Remove the screw (A) and clips (B), and then disconnect the seat switch connector to remove seat side cover outside.



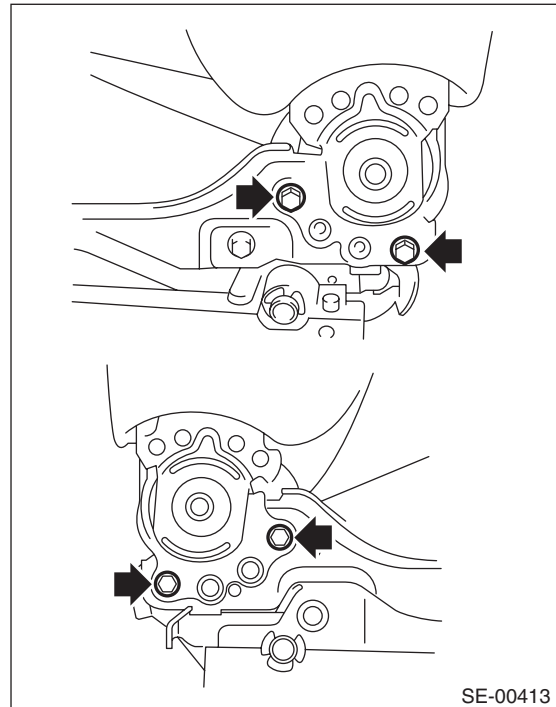
- 5) Remove the TORX® bolt, and then remove the inner seat belt assembly.



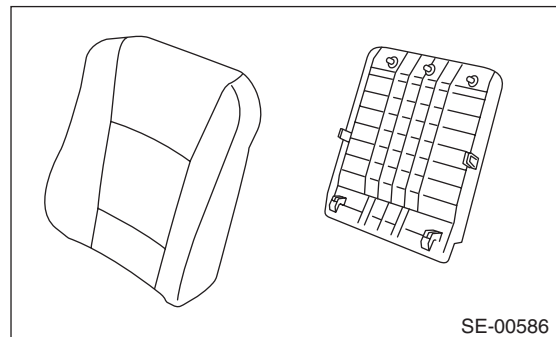
- 6) Remove the screw (A) and clip (B), and then remove the seat side cover inside.



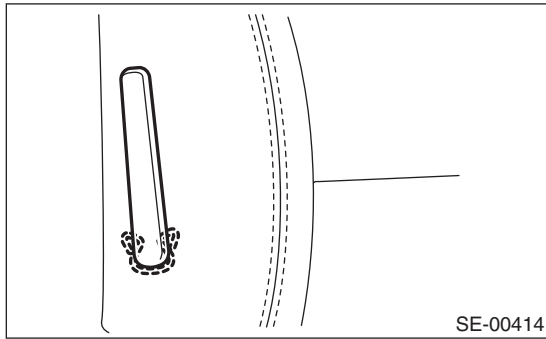
- 7) Remove the two bolts from the reclining hinge on each left and right side.



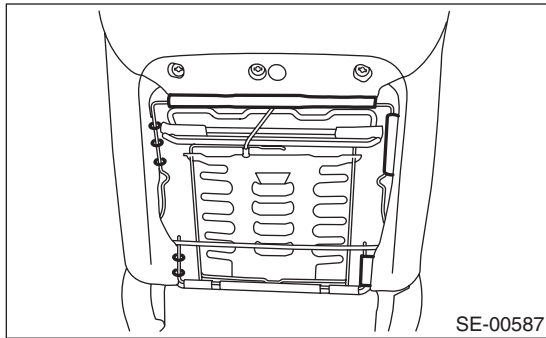
- 8) Remove the clips and hooks, and then detach the backrest back cover.



9) Remove the lock clip, and then remove the lumbar support lever.



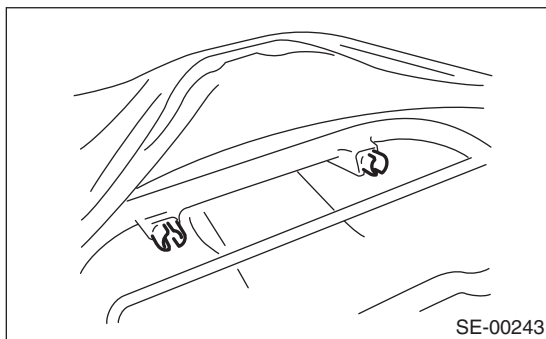
10) Remove the hooks and hog rings at the rear side of backrest.



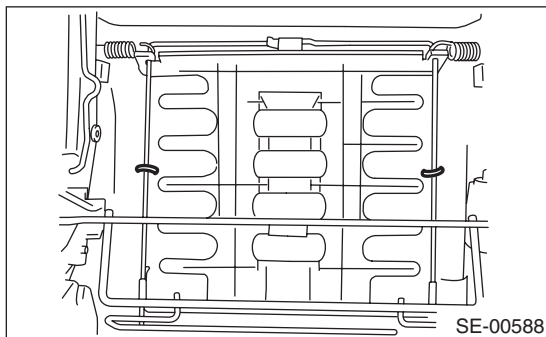
11) Remove the headrest lock bushing.

NOTE:

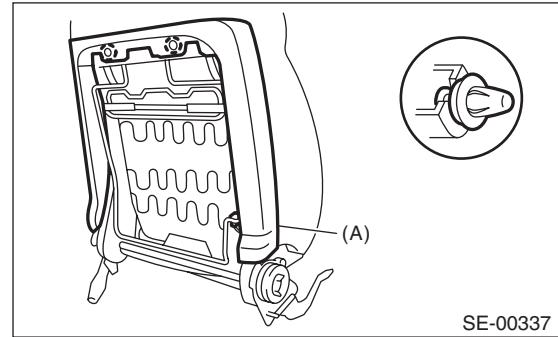
Push outside to remove it from the inside of seat.



12) Remove the hog ring.

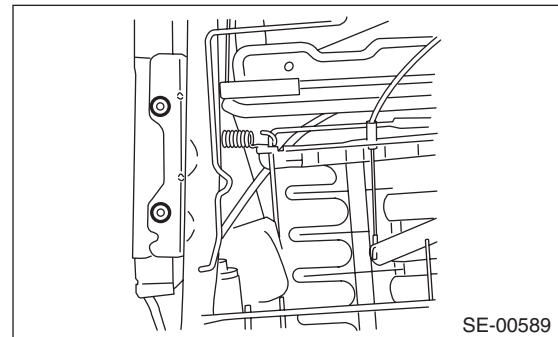


13) Remove the cover frame (A).

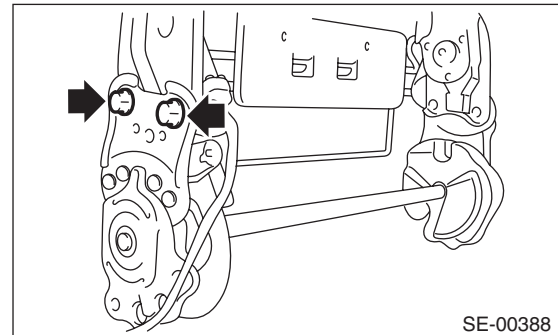


14) Pull out the backrest frame assembly.

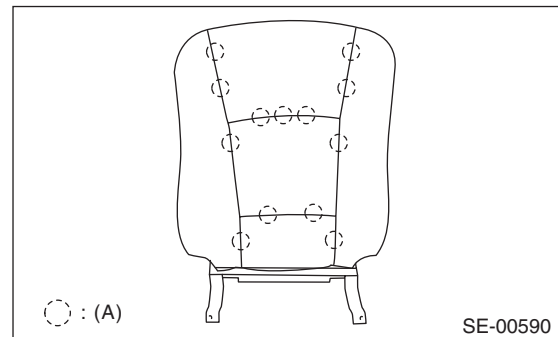
15) Remove the side airbag module.



16) Remove the two bolts on each left and right side, and then remove the reclining motor assembly.



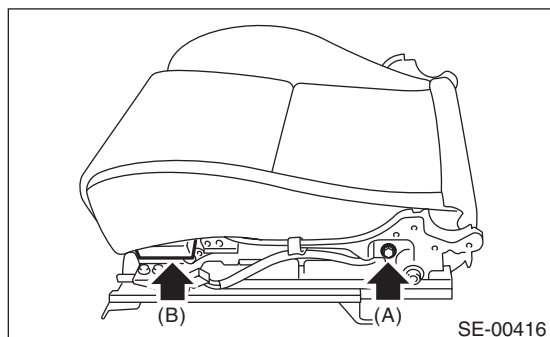
17) Remove the hog rings (A) on the surface of backrest, and then remove the backrest cover from backrest.



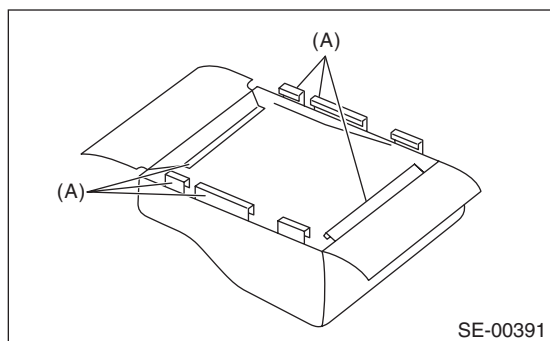
Front Seat

SEATS

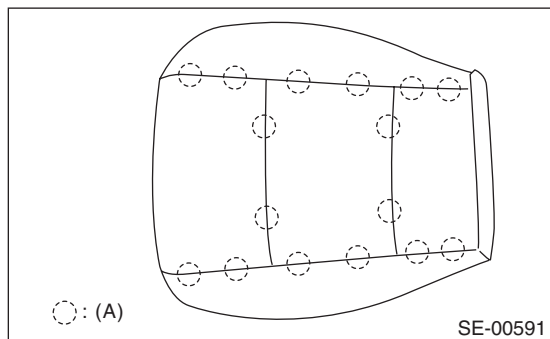
18) Remove the bolt (A) and hook (B) on the left and right side, and then remove the seat cushion frame from seat rail assembly.



19) Remove the hooks (A), and then remove the seat cushion from seat cushion frame.



20) Remove the hog rings (A), and then remove the seat cushion cover from seat cushion pad.



2. PASSENGER'S SEAT

CAUTION:

- 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)-14, 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.

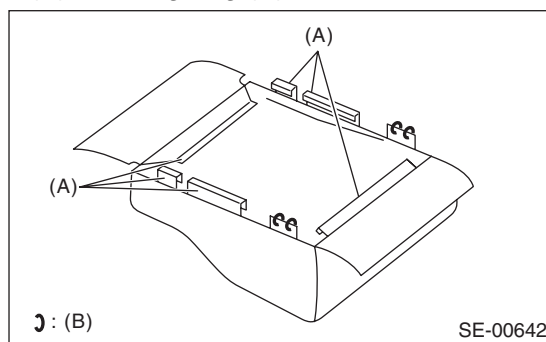
- If the seat cushion cover is removed, make sure to replace the wire on the seat cushion side with a new wire.

1) Remove the seat from vehicle. <Ref. to SE-7, PASSENGER'S SEAT, REMOVAL, Front Seat.>

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

NOTE:

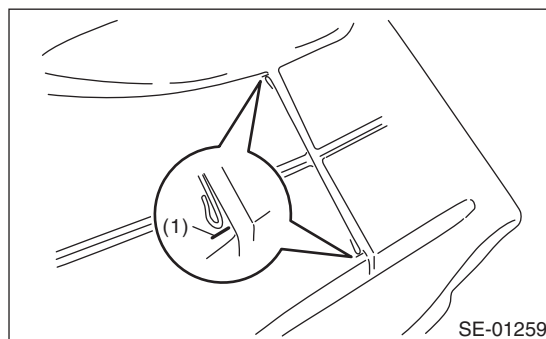
The back side of the seat cushion is affixed by a hook (A) and hog ring (B).



D: ASSEMBLY

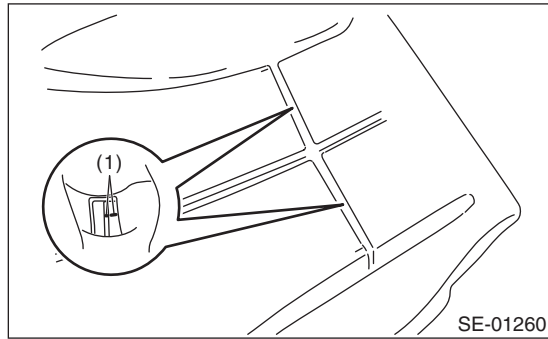
1) Assemble the seat cover.

(1) Adjust so that the left and right clearances between wire and seat pad become equal, and mark the seat pad.



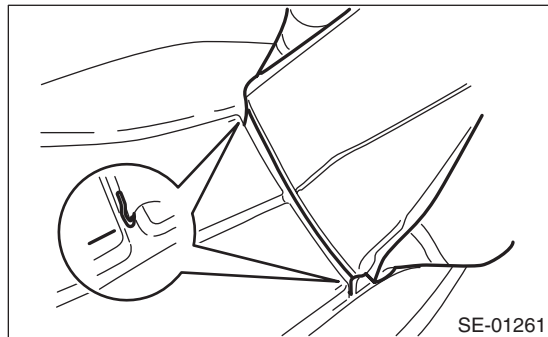
(1) Marking

(2) Mark the center of the wire on the pad side to which the hog ring is attached.

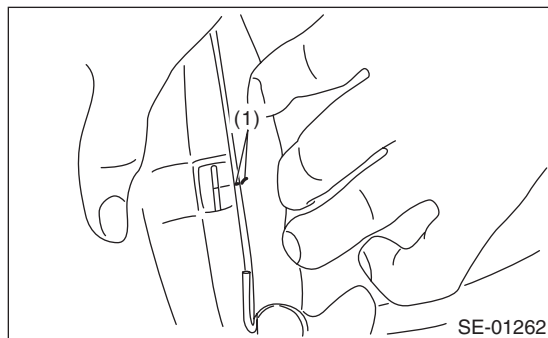


(1) Marking

(3) Insert the wire into the seat cover, and align the wire with the position marked in step 1).



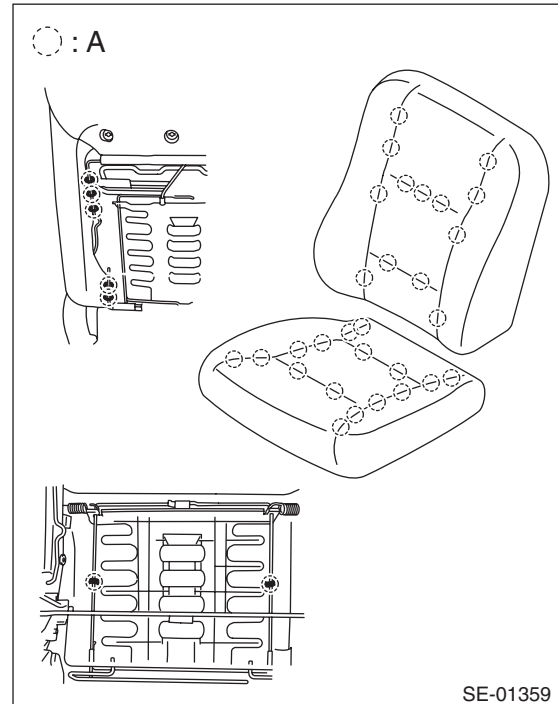
(4) Mark the wire on the seat cover side according to the markings on the seat pad.



(1) Marking

(5) Perform steps 1) — 4) to all sections to which the hog rings are attached.

(6) Make sure that all hog rings (A) are attached securely.



2) Assemble each part in the reverse order of dis-assembly.

3) If any wrinkles are found after the assembly of the seat cover, finish the seat cover with iron.

(1) Place the wet towel on wrinkles.



Front Seat

SEATS

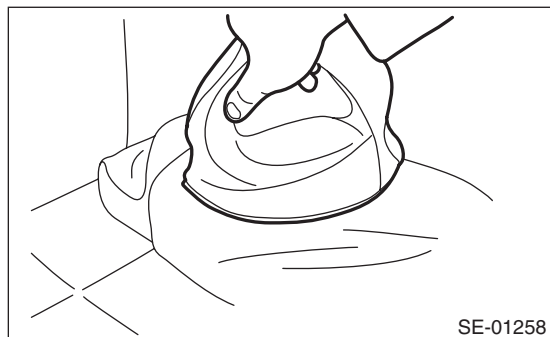
(2) Touch up with warm iron.

CAUTION:

Keep moving the iron, otherwise the seat cover surface can be damaged.

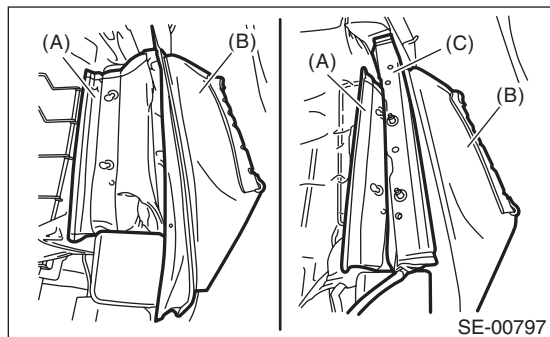
NOTE:

This method is available for genuine leather, synthetic leather, cloth, etc.

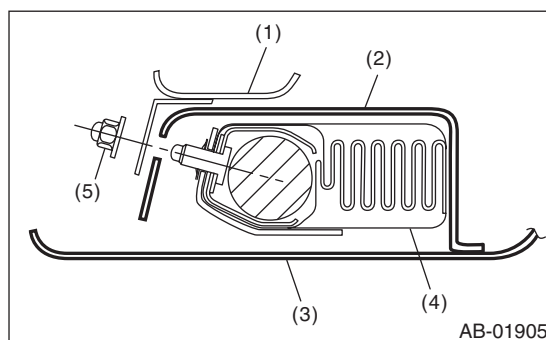


CAUTION:

- Always refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM” before handling the airbag module. <Ref. to AB-4, CAUTION, General Description.>
- 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, if the backrest cover is not installed securely, the side airbag module may not be deployed properly, therefore keep strictly to the following procedures.

- 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 there is no wrinkle or twisting on backrest cover.
- 4) Make sure that there is no foreign matter on side airbag module.
- 5) Install the side airbag module (A) to backrest frame assembly.

Tightening torque:

6 N·m (0.61 kgf-m, 4.4 ft-lb)

- 6) Install the side airbag harness to backrest frame assembly.
- 7) Install the backrest cover.
- 8) Install the side airbag harness to the back of the seat cushion assembly.
- 9) 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.
- 10) 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.>

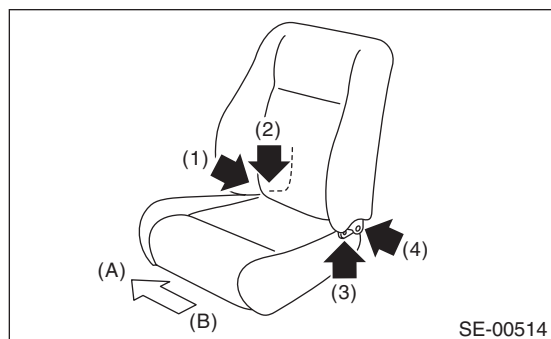
1. DRIVER'S SEAT

NOTE:

- When installing the inner seat belt assembly, follow the procedures described in the seat belt section. <Ref. to SB-19, INNER SEAT BELT ASSEMBLY, 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 (1) through (4) in order, 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:

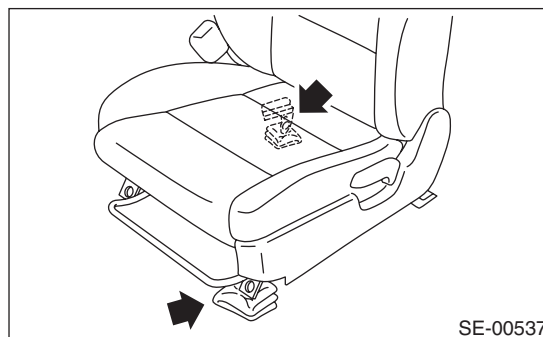
Make sure to adhere to the following rules when assembling the passenger seat. Improper work procedures can cause the passenger detection system to not operate properly.

- 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)-14, SYSTEM CALIBRATION (REZEROING), OPERATION, Subaru Select Monitor.>

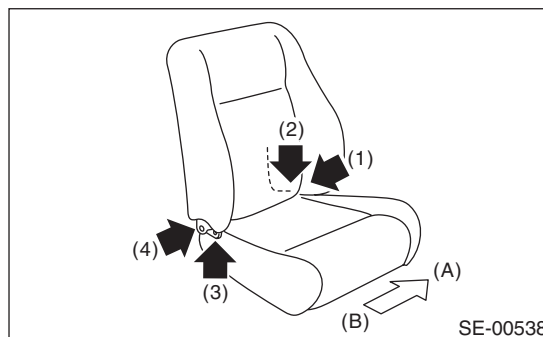
Failure to do so may prevent the passenger's airbag from operating properly.

- 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 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 assembling the backrest assembly to the seat cushion assembly, fill up the gap in the front side of slide rail LH and in the rear side of slide rail RH using cloth etc.



- 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

- 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.

Tightening torque:

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

E: INSPECTION

CAUTION:

If there are tears or looseness in the back rest cover or seat cushion covers, do not attempt to repair. Replace with a new cover. Repairing the cover may cause improper operation of the side airbag or the occupant detection system.

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