

## 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 operate if you do not wait for 60 seconds before starting the service of airbag system.

#### 1. DRIVER'S SEAT

- 1) Disconnect the ground cable from battery, and wait for 60 seconds or more before starting work.
- 2) 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 at the rear side of the slide rail and remove the bolt.
  - (3) Move the seat to the rearmost position, and remove the bolt on the front side of the slide rail.
- 3) Disconnect the connector under the seat.

#### CAUTION:

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

- Seat belt buckle switch connector
  - Side airbag connector
  - Seat heater connector (model with seat heater)
- 4) Remove the front seat from vehicle.

#### 2. PASSENGER'S SEAT

#### CAUTION:

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

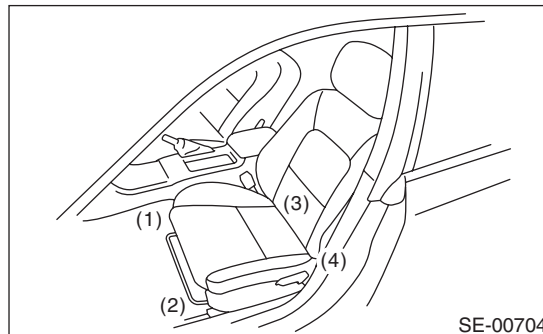
- 1) Disconnect the ground cable from battery, and wait for 60 seconds or more before starting work.
- 2) Tilt the backrest forward, and move the seat forward.
- 3) Remove the rear bolt cover, and then remove the rear side of slide rail.
- 4) Move the seat backward, remove the front bolt cover, and then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

### B: INSTALLATION

Install each part in the reverse order of removal.

#### NOTE:

Tighten the slide rail installing bolt gradually in several steps to the specified torque in the order as shown in the figure.

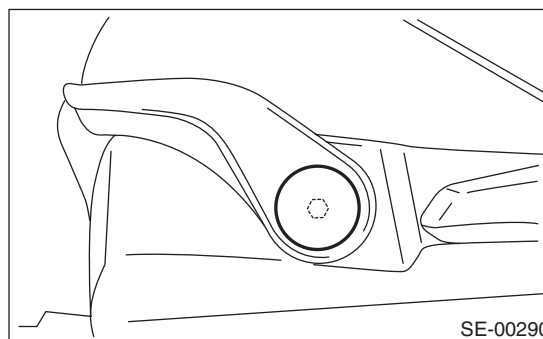


#### Tightening torque:

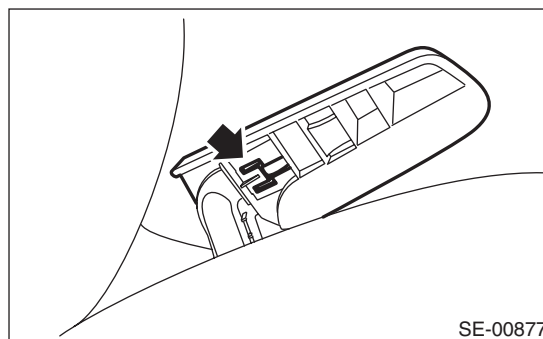
Refer to "COMPONENT" of "General Description". <Ref. to SE-2, FRONT SEAT LH, COMPONENT, General Description.>

### C: DISASSEMBLY

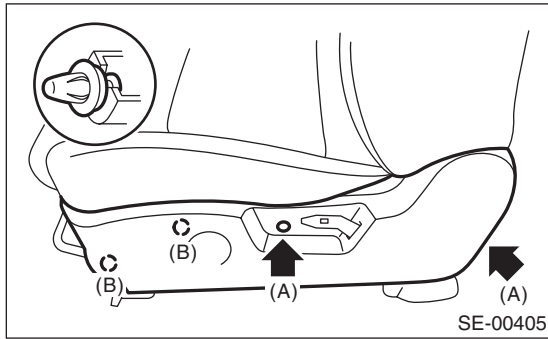
- 1) Remove the seat from vehicle. <Ref. to SE-6, REMOVAL, Front Seat.>
- 2) Remove the seat lifter cover using a flat tip screwdriver and loosen the inner bolt to remove the seat lifter lever.



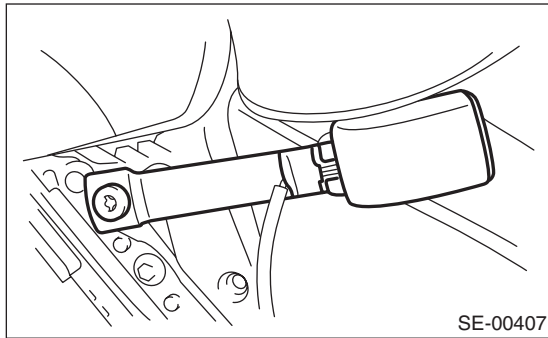
- 3) Disengage the tab on the backside while pulling the reclining lever, and remove the reclining lever cover.



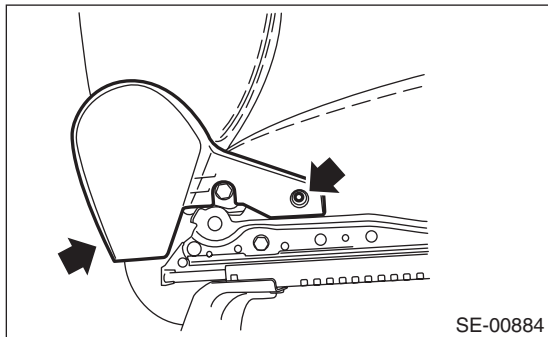
4) Remove screws (A) and clips (B), and then detach the seat side cover outside.



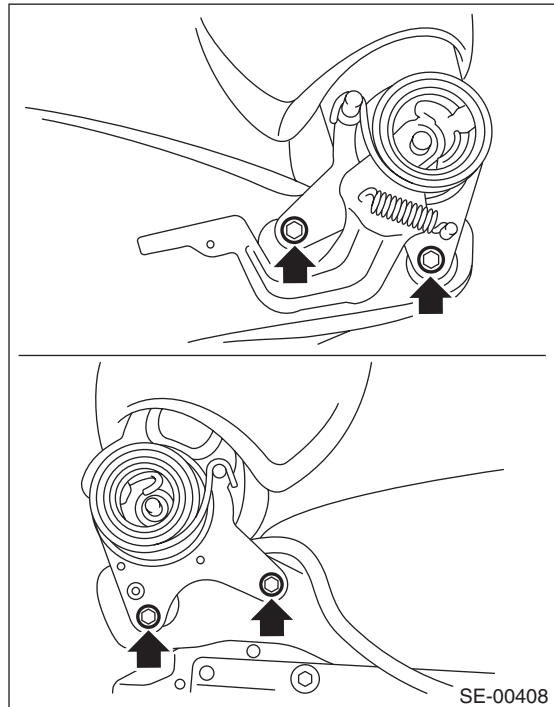
5) Remove the TORX® bolt, and then remove the inner seat belt assembly.



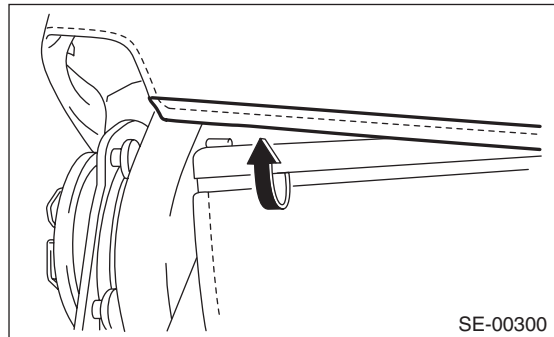
6) Remove the screws and detach the seat side cover inside.



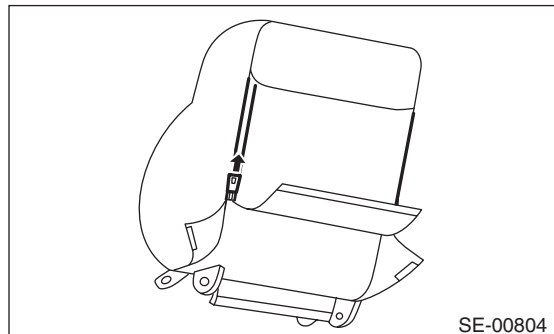
7) Remove the bolts from reclining hinge of both sides.



8) Remove the plastic fastener at the back side (bottom) of backrest.



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



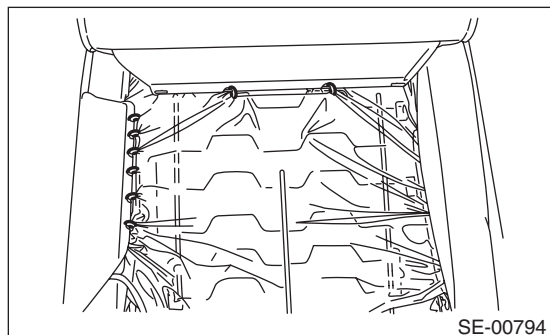
## Front Seat

### SEATS

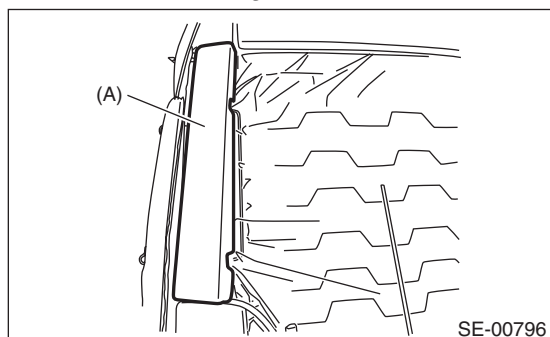
10) Remove the hog rings of backrest cover.

#### CAUTION:

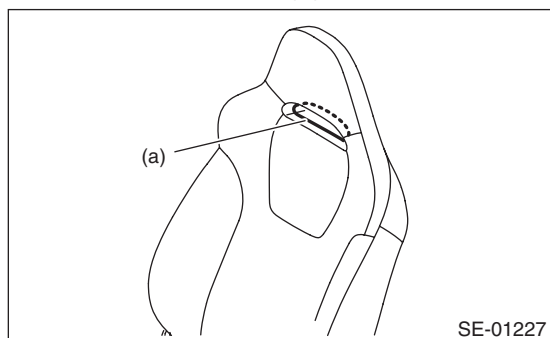
Be careful not to tear the vinyl inside the seat when removing the hog rings.  
If torn, replace with a new part.



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



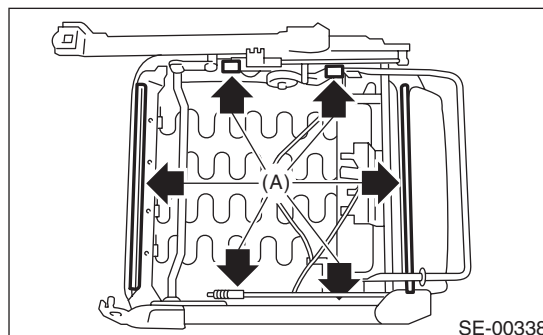
12) Remove the fastener (a) at the backrest hole.



13) Pull out the backrest frame.

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

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

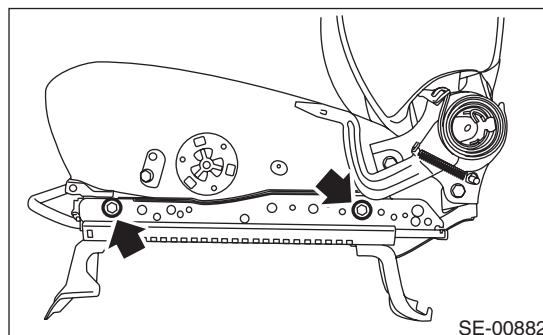


16) Remove all the hog rings, and then remove the seat cushion cover from seat cushion pad.

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

#### CAUTION:

Do not reuse the removed bolts because they are coated with the thread lock material. Always use new bolts during assembly.



## 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)-14, 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.

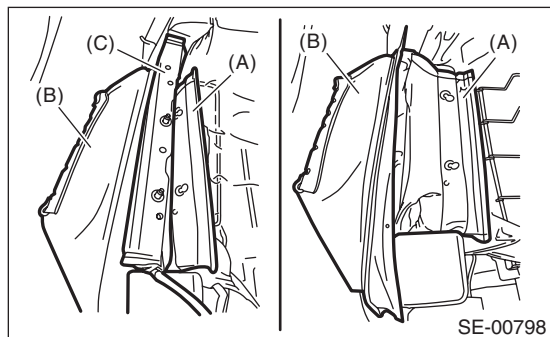
1) Remove the seat from vehicle. <Ref. to SE-6, PASSENGER'S SEAT, REMOVAL, Front Seat.>

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

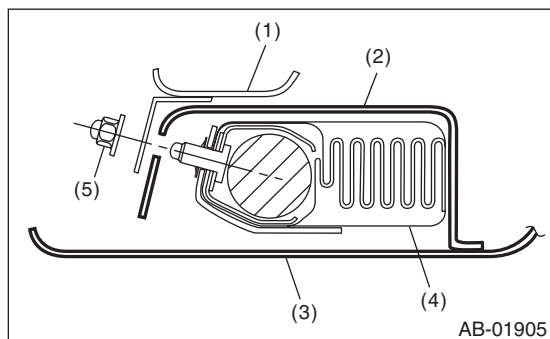
## D: ASSEMBLY

### 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

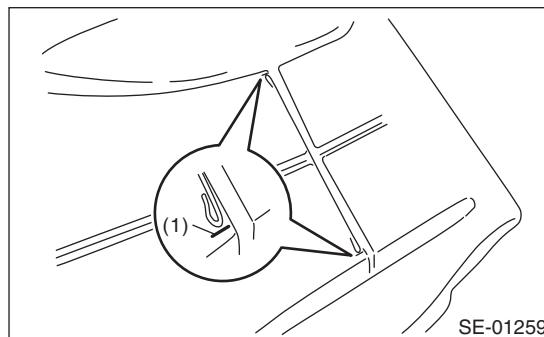
**Besides, if the backrest cover is not installed securely, the side airbag module may not be activated properly, therefore keep strictly to the following procedures.**

- 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 there is no wrinkle or twisting on backrest cover.

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

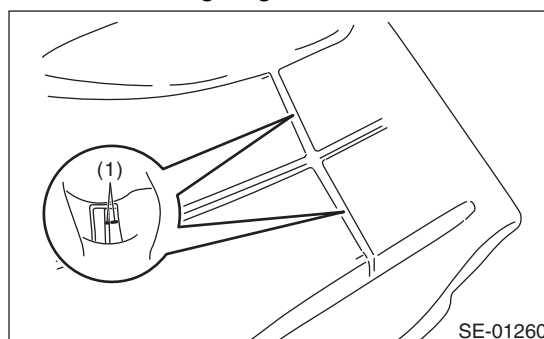
2) Assemble the seat cover.

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



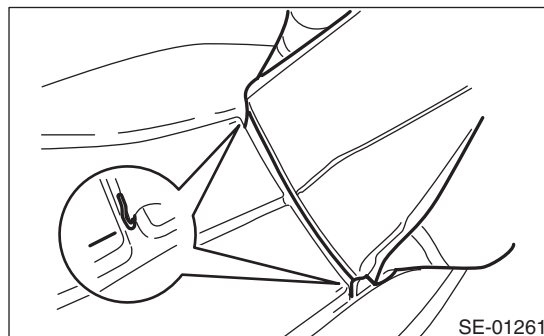
(1) Marking

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

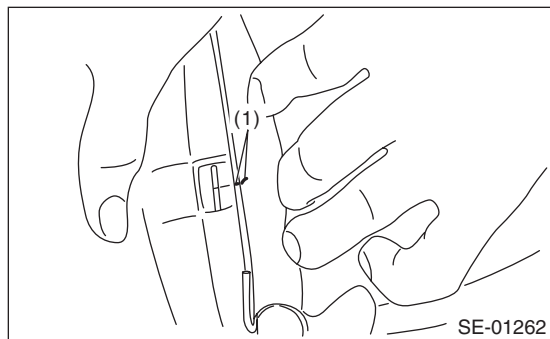


(1) Marking

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

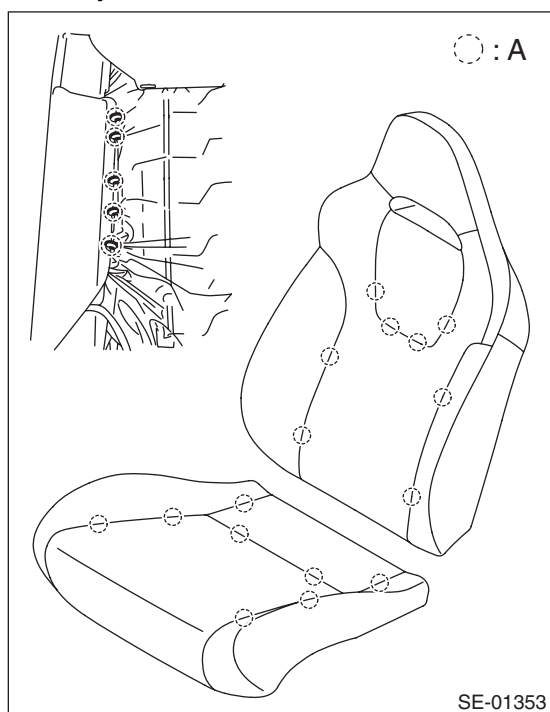


- (4) Mark the wire on the seat cover side according to the markings on the seat pad.



(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.



- 3) Hereafter, assemble each part in the reverse order of disassembly.

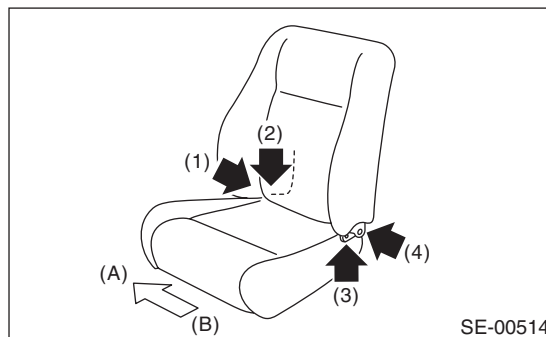
### Tightening torque:

Refer to “**COMPONENT**” of “**General Description**”. <Ref. to SE-2, FRONT SEAT LH, **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-18, INSTALLATION, Front Seat Belt.>
- Install the backrest assembly and seat cushion assembly in the following procedure.
  - Temporarily tighten the 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

### Tightening torque:

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

- Assemble each part in the reverse order of disassembly.
- 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.



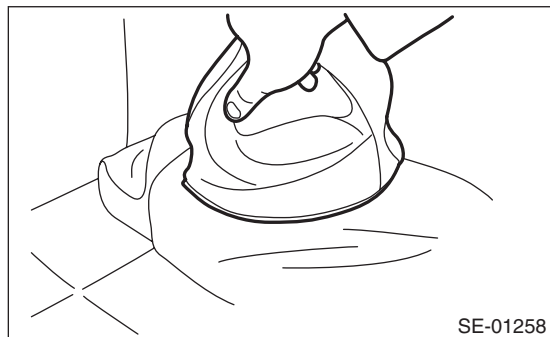
- (2) Touch up with warm iron.

**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.

**2. PASSENGER'S SEAT****CAUTION:**

Make sure to adhere to the following rules when assembling the passenger seat. Improper work procedures can cause the occupant 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 occupant detection system (passenger seat only) control module, occupant detection sensor, seat cushion pad and seat cushion frame are considered as a single seat cushion pad and frame assembly. Never remove the occupant detection control module or the occupant detection sensor from the seat cushion frame.

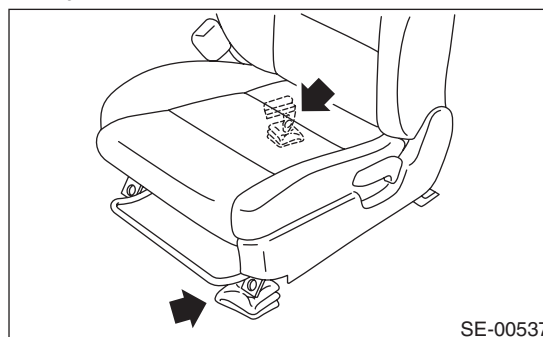
- If the seat cushion cover is removed, make sure to replace the hang wire on the seat cushion side with a new wire.

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

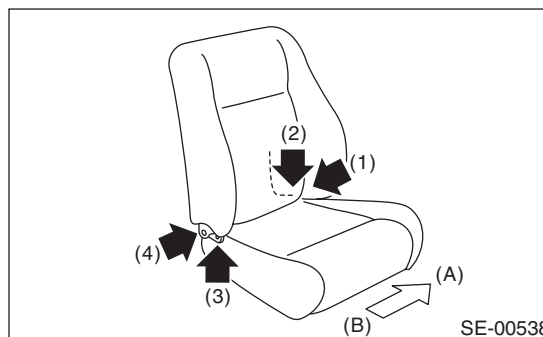
1) Assemble the seat cushion in the reverse order of disassembly.

2) Assemble the backrest in the reverse order of disassembly.

- 3) 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.



- 4) 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

**Tightening torque:**

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

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

- 6) 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.

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

- 8) Install the seat assembly.



9) 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.



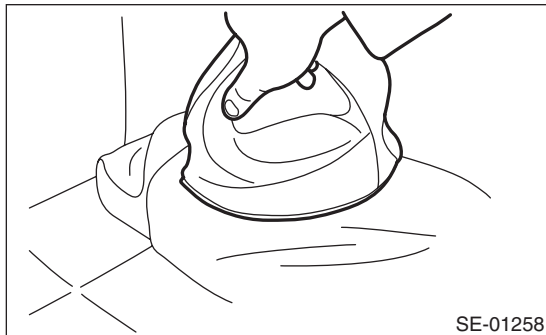
(2) Touch up with warm iron.

#### **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.



## **E: INSPECTION**

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.