

BODY SECTION

This service manual has been prepared to provide SUBARU service personnel with the necessary information and data for the correct maintenance and repair of SUBARU vehicles.

This manual includes the procedures for maintenance, disassembling, reassembling, inspection and adjustment of components and diagnostics for guidance of experienced mechanics.

Please peruse and utilize this manual fully to ensure complete repair work for satisfying our customers by keeping their vehicle in optimum condition. When replacement of parts during repair work is needed, be sure to use SUBARU genuine parts.

All information, illustration and specifications contained in this manual are based on the latest product information available at the time of publication approval.

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)	AC
HVAC SYSTEM (DIAGNOSTICS)	AC
AIRBAG SYSTEM	AB
AIRBAG SYSTEM (DIAGNOSTICS)	AB
SEAT BELT SYSTEM	SB
LIGHTING SYSTEM	LI
WIPER AND WASHER SYSTEMS	WW
ENTERTAINMENT	ET
COMMUNICATION SYSTEM	COM
GLASS/WINDOWS/MIRRORS	GW
BODY STRUCTURE	BS
INSTRUMENTATION/DRIVER INFO	IDI
SEATS	SE
SECURITY AND LOCKS	SL
SUNROOF/T-TOP/CONVERTIBLE TOP (SUNROOF)	SR
EXTERIOR/INTERIOR TRIM	EI
EXTERIOR BODY PANELS	EB

BODY SECTION

CRUISE CONTROL SYSTEM	CC
CRUISE CONTROL SYSTEM (DIAGNOSTICS)	CC
IMMOBILIZER (DIAGNOSTICS)	IM

SEATS

SE

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2. Front Seat	7
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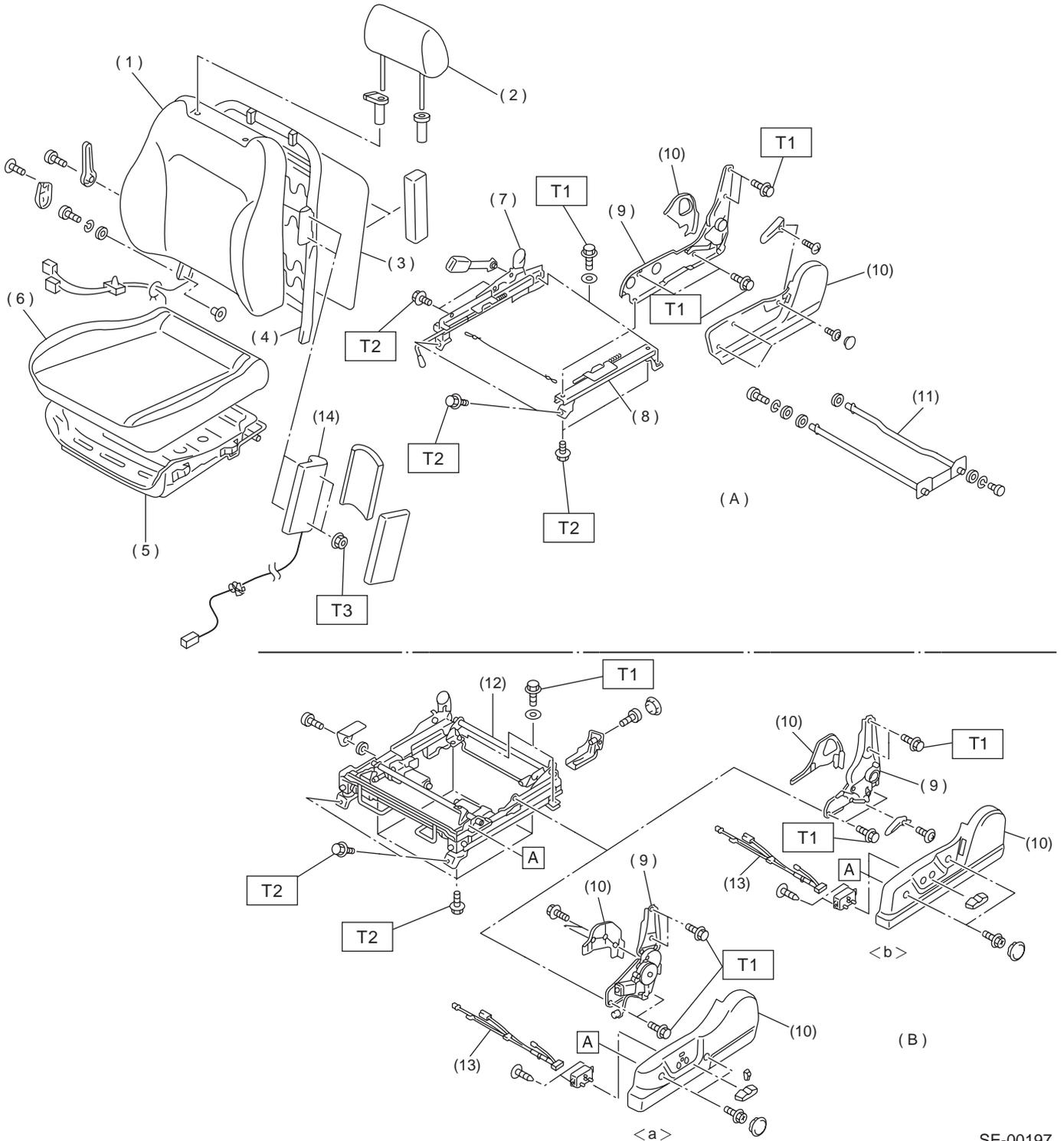
GENERAL DESCRIPTION

SEATS

1. General Description

A: COMPONENT

1. FRONT SEAT



SE-00197

GENERAL DESCRIPTION

SEATS

- | | |
|-----------------------------|---------------------------|
| (A) Standard seat | (6) Seat cushion pad |
| (B) Power seat | (7) Slide rail inner ASSY |
| (a) 8-way power seat | (8) Slide rail outer ASSY |
| (b) 6-way power seat | (9) Hinge ASSY |
| (1) Seat back pad | (10) Hinge cover |
| (2) Headrest | (11) Rod |
| (3) Seat back board | (12) Slide and unit ASSY |
| (4) Seat back frame ASSY | (13) Power seat harness |
| (5) Seat cushion frame ASSY | (14) Side airbag module |

Tightening troque: N-m (kgf-m, ft-lb)

T1: 30 (3.1, 22)

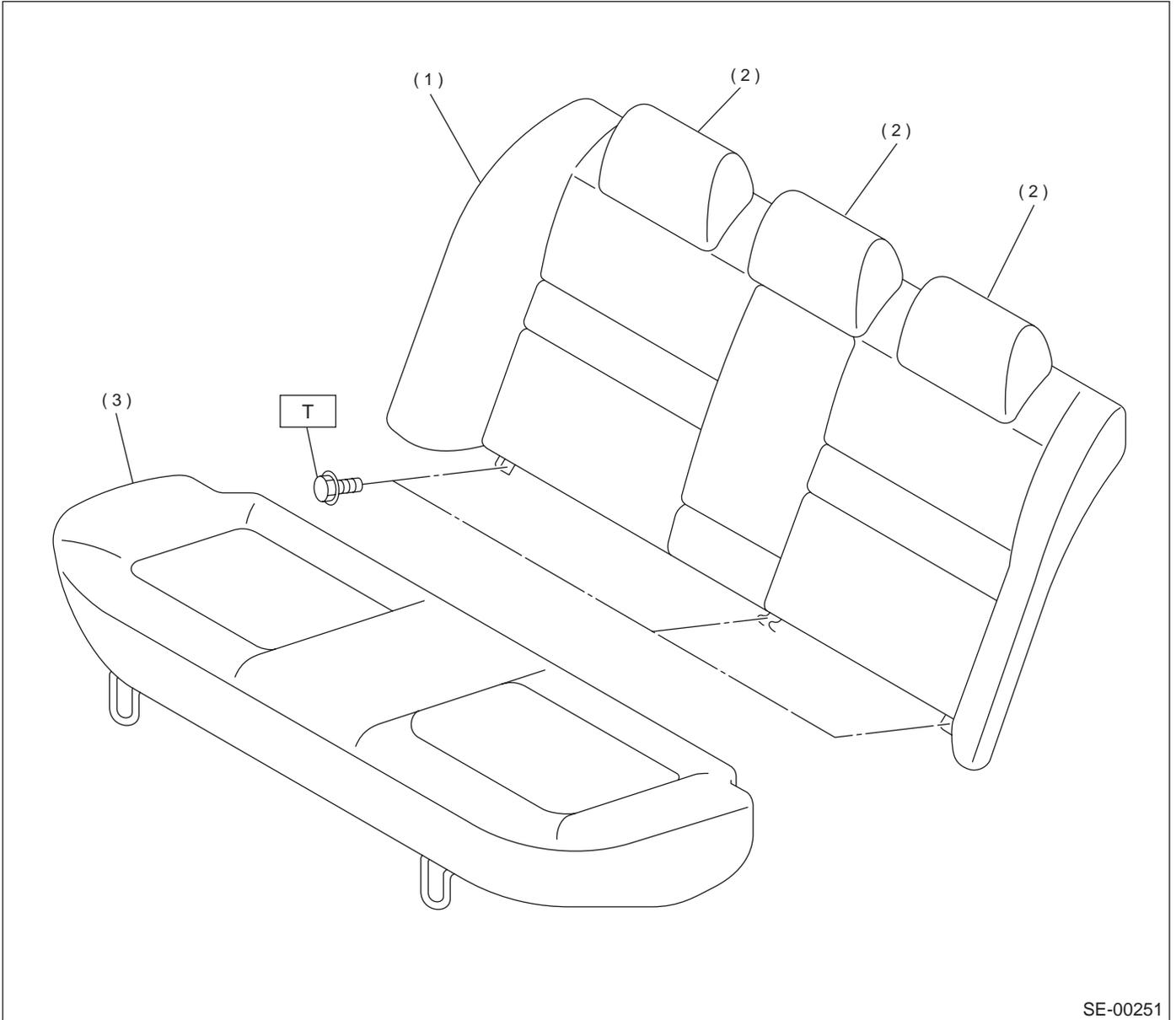
T2: 53 (5.4, 39)

T3: 10 (1.0, 7)

GENERAL DESCRIPTION

SEATS

2. REAR SEAT (SEDAN)



SE-00251

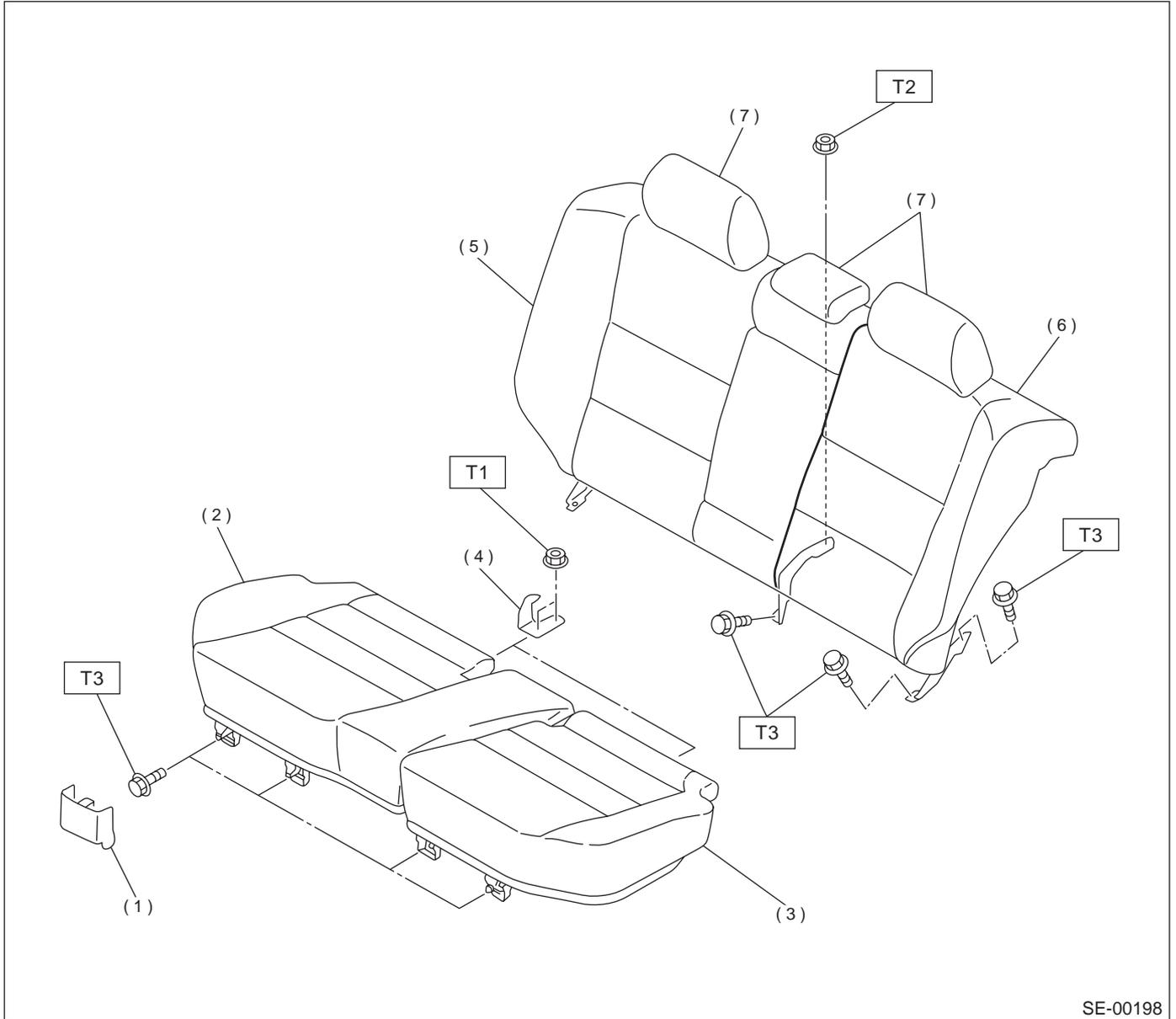
- (1) Backrest
- (2) Head restraint

- (3) Cushion

Tightening torque: N·m (kgf·m, ft·lb)

T: 24.5 (2.50, 18.1)

3. REAR SEAT (WAGON)



SE-00198

- | | |
|----------------|--------------------|
| (1) Cover | (5) Backrest RH |
| (2) Cushion RH | (6) Backrest LH |
| (3) Cushion LH | (7) Head restraint |
| (4) Hook | |

Tightening torque: N·m (kgf·m, ft·lb)

T1: 10 (1.0, 7.2)

T2: 24.5 (2.50, 18.1)

T3: 33 (3.40, 24.1)

GENERAL DESCRIPTION

SEATS

B: CAUTION

When removing front seat from a side airbag loaded vehicle, follow cautions given in the airbag section.

C: PREPARATION TOOL

1. GENERAL TOOL

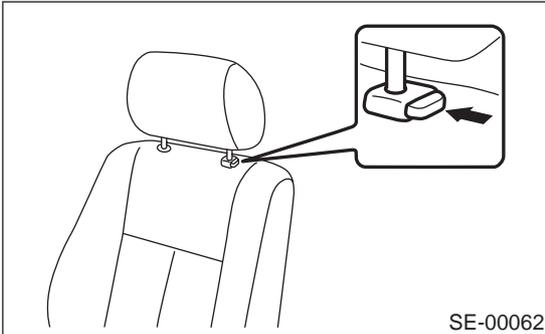
TOOL NAME	REMARKS
Long Nose Pliers	Used for removing and installing hog ring

2. Front Seat

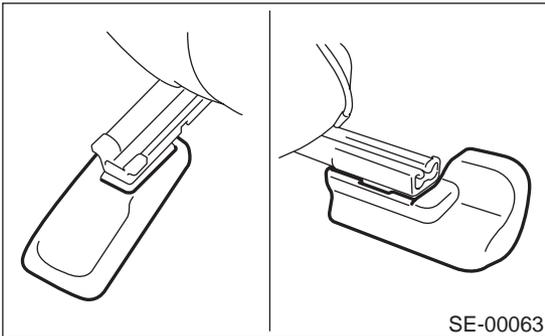
A: REMOVAL

1. STANDARD SEAT

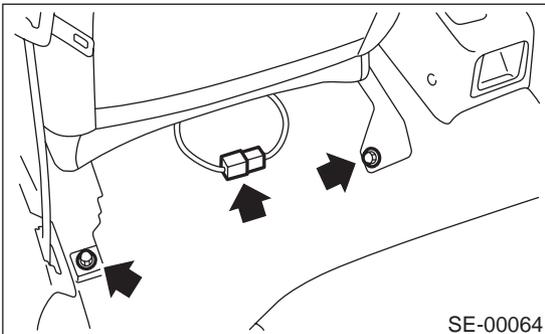
- 1) Disconnect ground cable from battery.
- 2) While pressing headrest lock button, remove headrest.



- 3) Tilt forward backrest.
- 4) Move seat to full front end.
- 5) Remove bolt cover at rear end of slide rail.

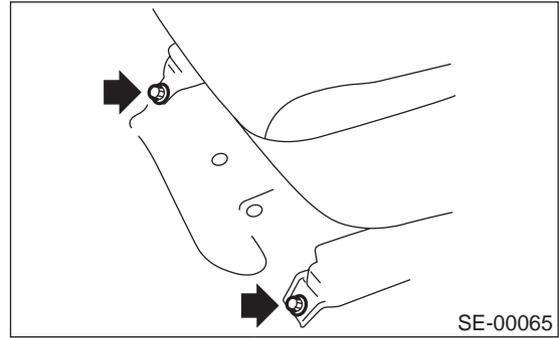


- 6) Disconnect side airbag connector under the seat. (Side airbag equipped seat)
- 7) Disconnect connectors of seat heater and seat belt warning. (Seat heater equipped seat)
- 8) Remove two bolts at rear side of seat rail.



- 9) Move seat to full rear end.

- 10) Remove two bolts at front side of seat rail.



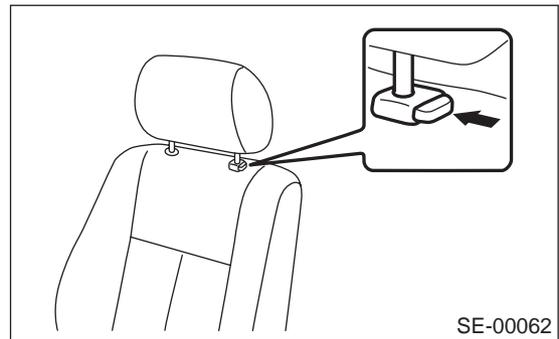
- 11) Remove front seat from vehicle.

CAUTION:

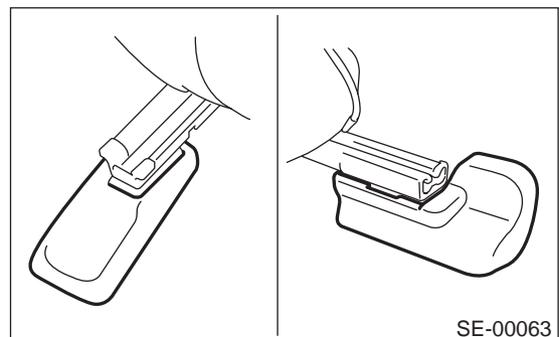
When removing seat from vehicle, take care not to damage body, seat, or trim.

2. POWER SEAT

- 1) While pressing headrest lock button, remove headrest.



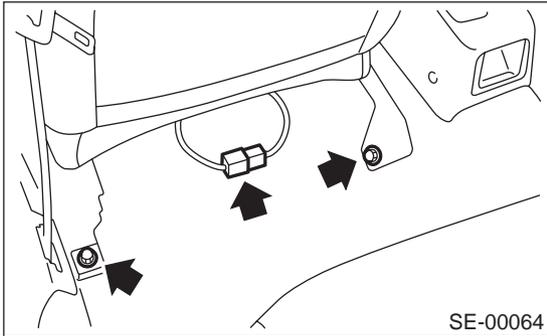
- 2) Tilt forward backrest.
- 3) Move seat to full front end.
- 4) Remove bolt cover at rear end of slide rail.



FRONT SEAT

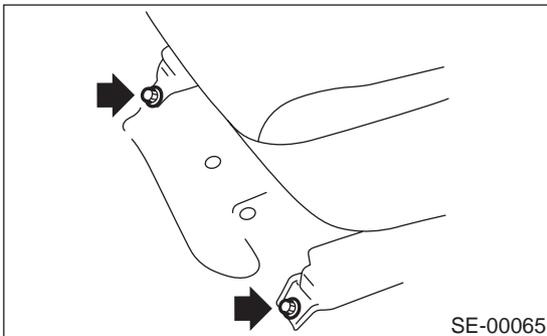
SEATS

5) Remove two bolts at rear side of seat rail.



6) Move seat to full rear end.

7) Remove two bolts at front side of seat rail.



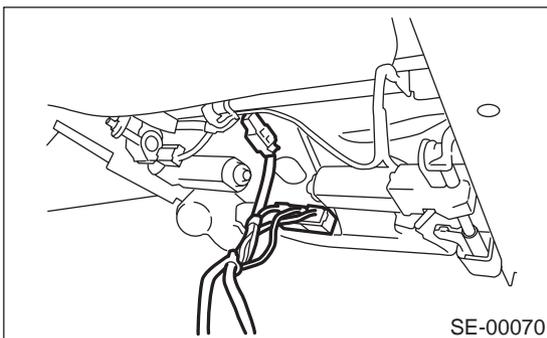
8) Disconnect ground cable from battery.

CAUTION:

- Wait for 20 seconds or more after disconnecting the battery.
- The airbag system has a backup power source. The airbag might deploy if you do not wait for 20 seconds or more before starting.

9) Disconnect side airbag connector under the seat. (Side airbag equipped seat)

10) Disconnect connectors of seat heater and seat belt warning. (Seat heater equipped seat)

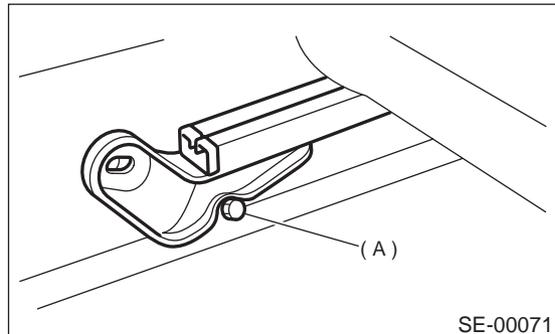


11) Remove front seat from vehicle.

B: INSTALLATION

1. STANDARD SEAT

- 1) Install in the reverse order of removal.
- 2) Place slide rail rear inner on location bolts (A).



3) Tighten the four bolts of slide rail.

NOTE:

Confirm that seat can move smoothly and be locked securely at any position.

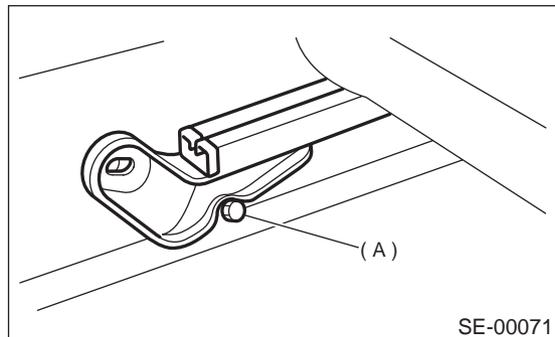
Tightening torque:

Refer to **COMPONENT** in **General Description**.

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

2. POWER SEAT

- 1) Install in the reverse order of removal.
- 2) Place slide rail rear inner on location bolts (A).



3) Tighten the four bolts of slide rail.

NOTE:

Confirm that seat can move smoothly.

Tightening torque:

Refer to **COMPONENT** in **General Description**.

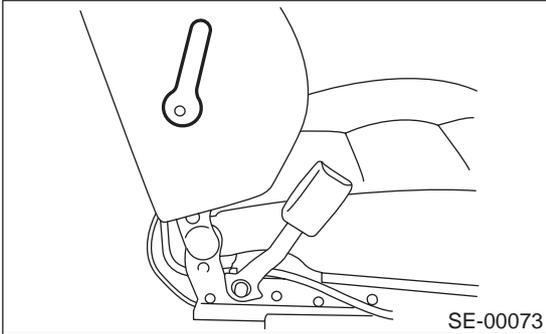
<Ref. to SE-2, FRONT SEAT, COMPONENT, General Description.>

C: DISASSEMBLY

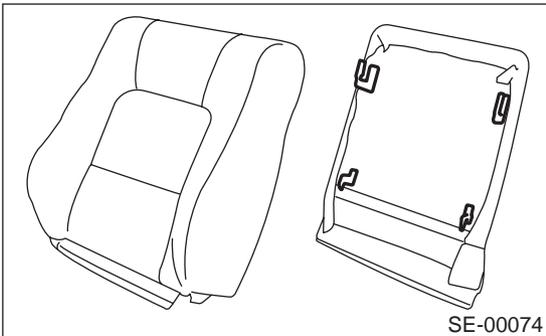
1. STANDARD SEAT

1) Remove seats from vehicle. <Ref. to SE-7, REMOVAL, Front Seat.>

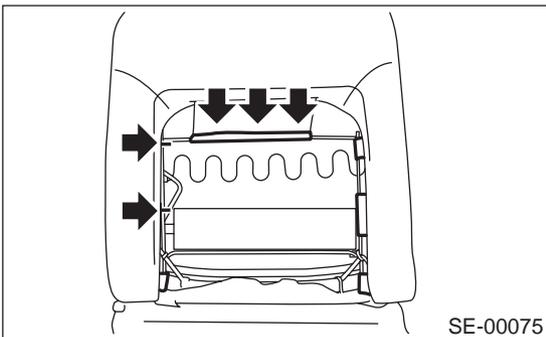
2) Remove lumbar lever cover.



3) Remove hook at bottom, and then remove seat back board.

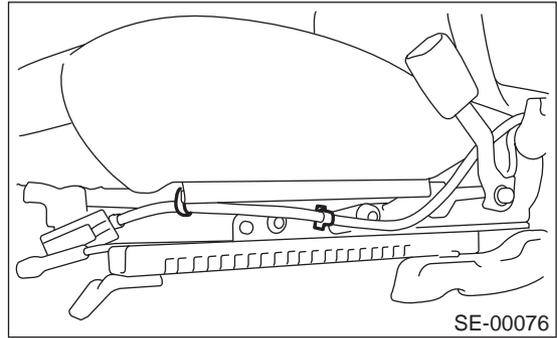


4) Remove hook on back side of seat, and remove hog rings using a plier.

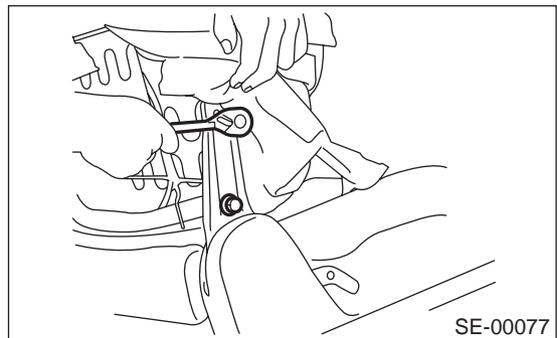


5) Remove clamp of side airbag wire harness. (Side airbag equipped seat)

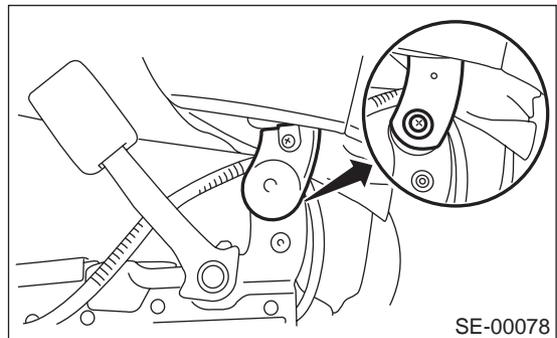
6) Remove clamp of seat heater wire harness. (Seat heater equipped seat)



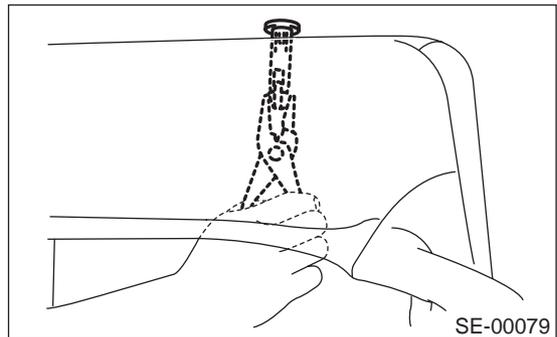
7) Turn cover and cushion, and remove the two bolts from hinge.



8) Remove hinge screw cover and screws, and remove seat back from hinge.



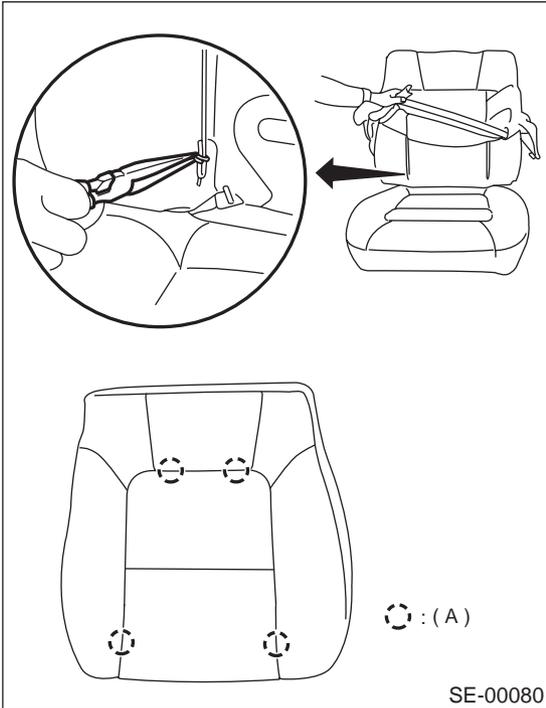
9) While picking up tip with a plier, remove head-rest lock bushing.



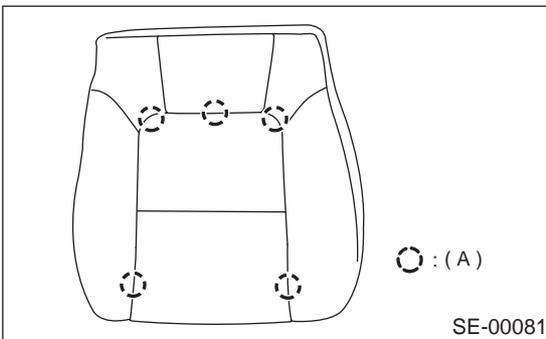
FRONT SEAT

SEATS

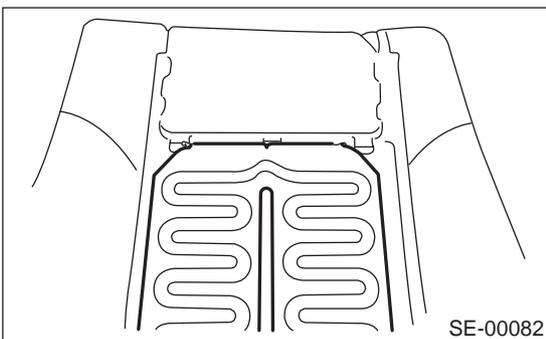
10) Remove hog ring (A) on front face of seat.



Side airbag equipped seat:



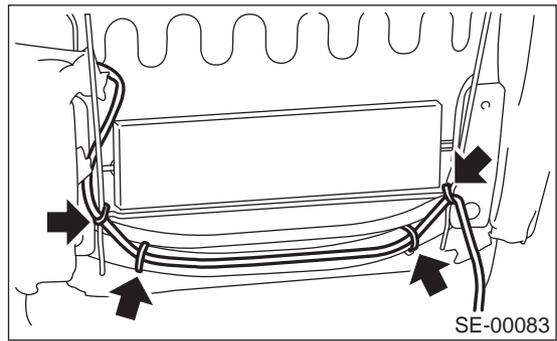
11) Remove hog rings (A), and then remove seat heater. (Seat heater equipped seat)



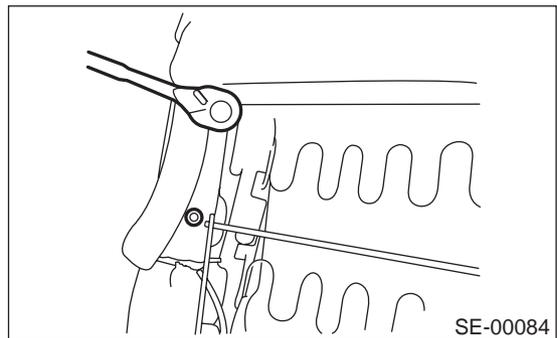
12) Remove seat cover.

13) Remove backrest pad.

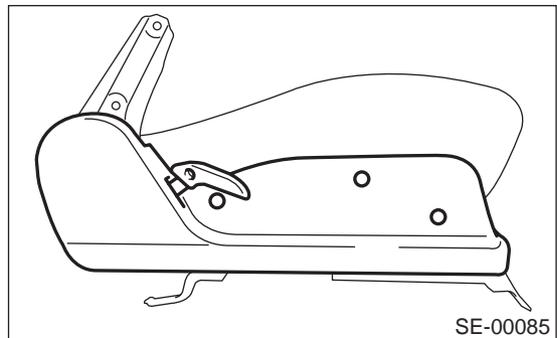
14) Remove clamp of airbag wire harness on back side of seat. (Side airbag equipped seat)



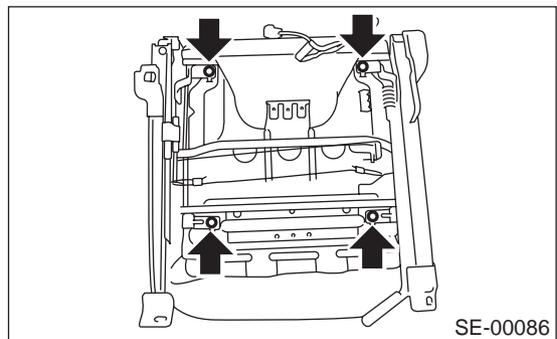
15) Remove the two cap nuts, and then remove side airbag module assembly. (Side airbag equipped seat)



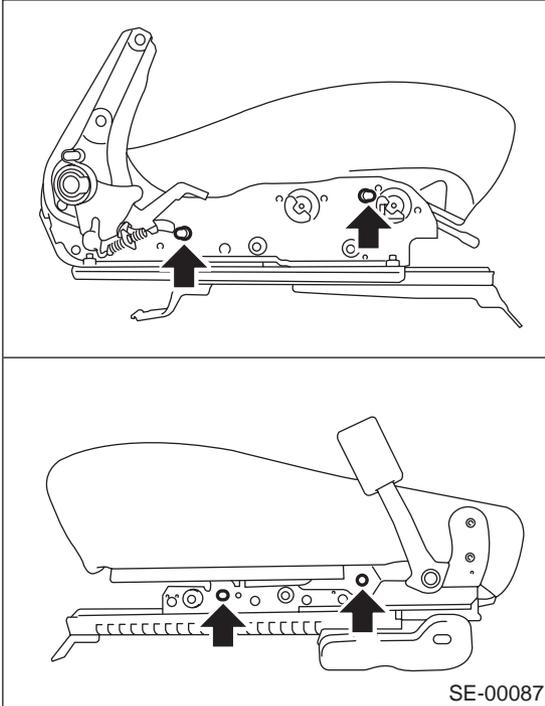
16) Remove reclining cover and hinge cover. (Non-tilt type seat)



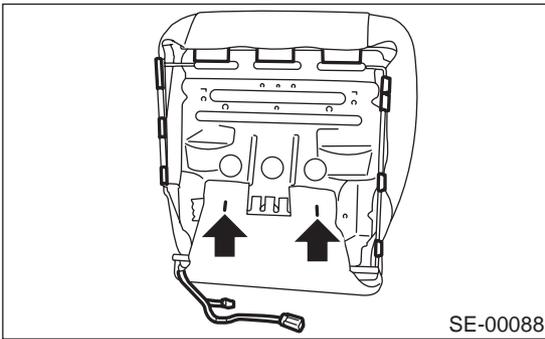
17) Remove the 4 bolts of seat hinge assembly, and then remove seat cushion. Tilt type seat:



Non-tilt type seat:

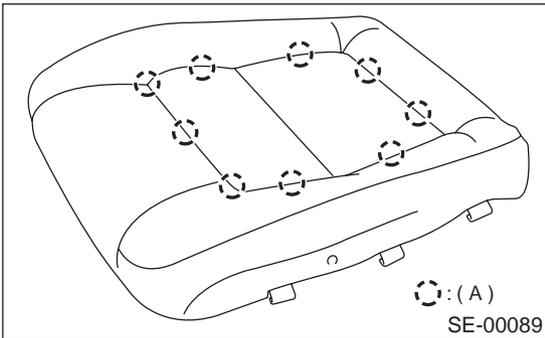


- 18) Remove hook clips on back side of seat cushion, and remove wire rings.
- 19) Remove clamp of seat heater wire harness. (Seat heater equipped seat)



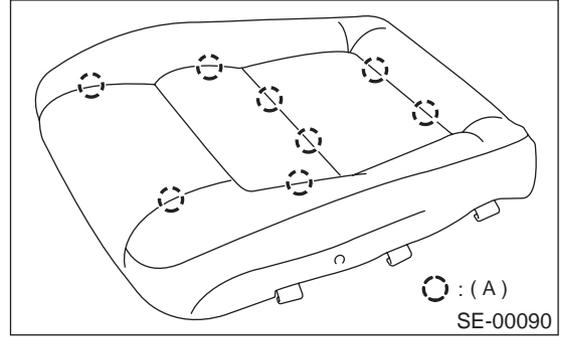
- 20) Remove hog rings (A).

Tilt type seat:



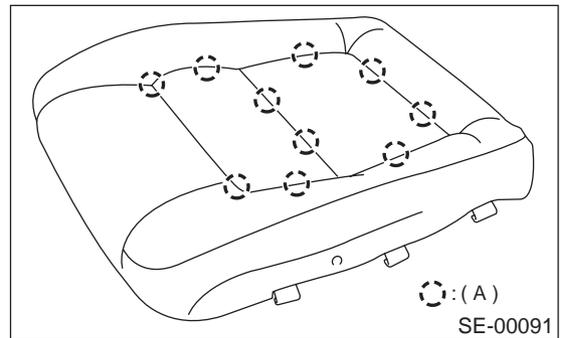
(A) Hog ring

Non-tilt type seat:



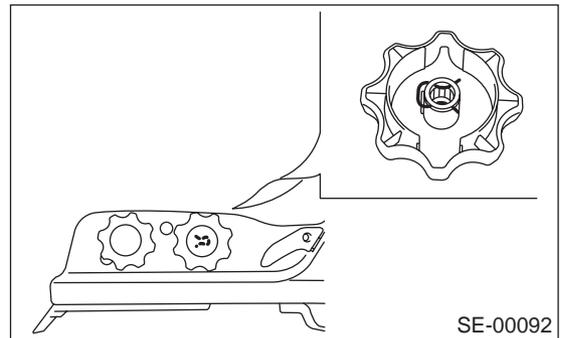
(A) Hog ring

Leather type seat:

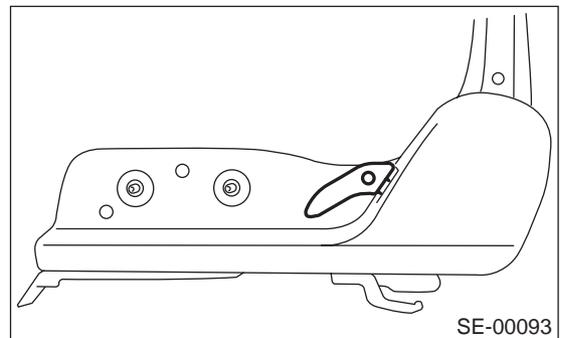


(A) Hog ring

- 21) Remove cushion cover.
- 22) Remove cushion pad.
- 23) Remove clip pins, and remove seat lifter lever.



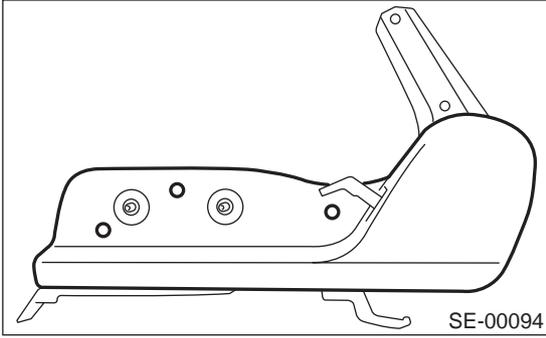
- 24) Remove reclining lever cover.



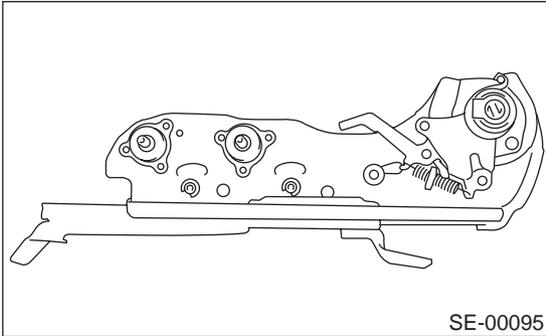
FRONT SEAT

SEATS

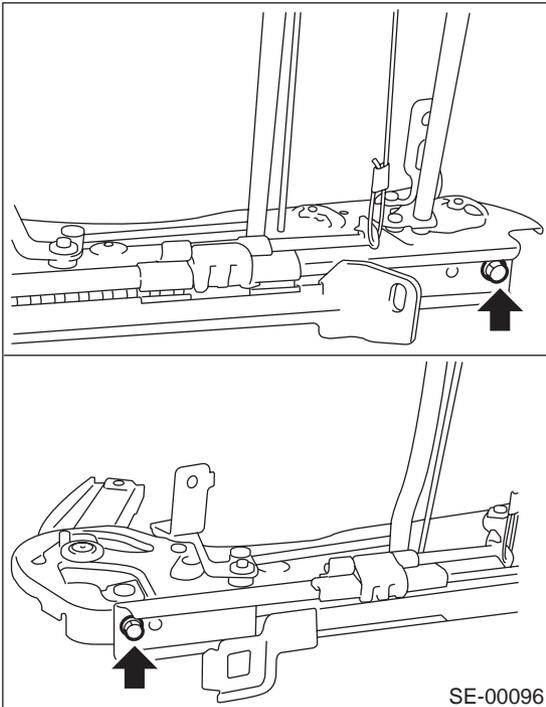
25) Remove hinge cover cap and screws.



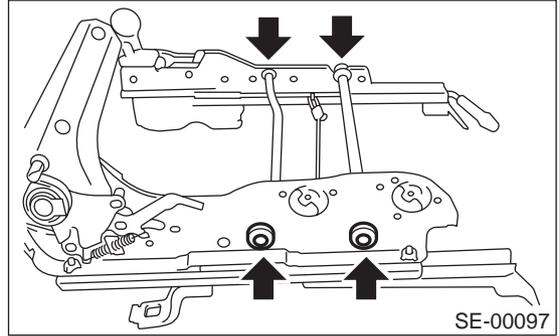
26) Remove seat hinge cover and hinge spring cover.



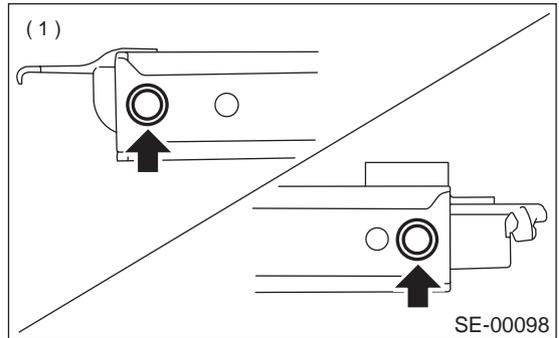
27) Remove 2 bolts, and then remove slide rail.



28) Remove 4 screws, and then remove hinge. (Non-tilt type seat)



29) Remove 2 bolts, and then remove slide rail. (Non-tilt type seat)



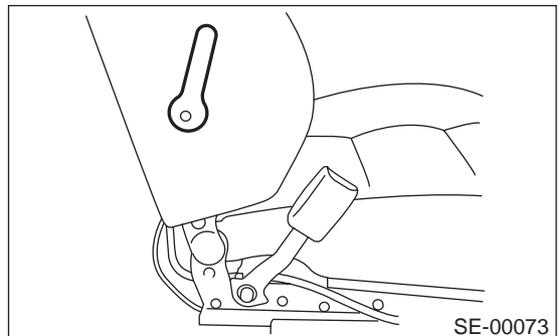
(1) Lower side of seat rail

30) Remove connecting wire.

2. POWER SEAT

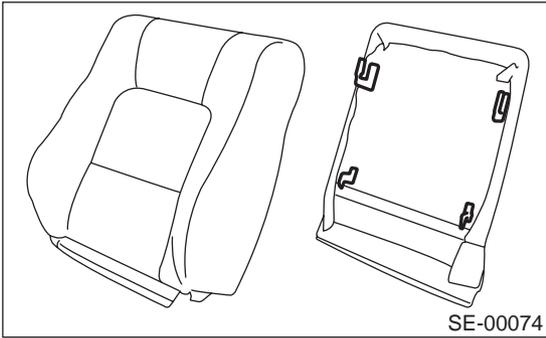
1) Remove seats from vehicle. <Ref. to SE-7, REMOVAL, Front Seat.>

2) Remove lumbar lever cover.

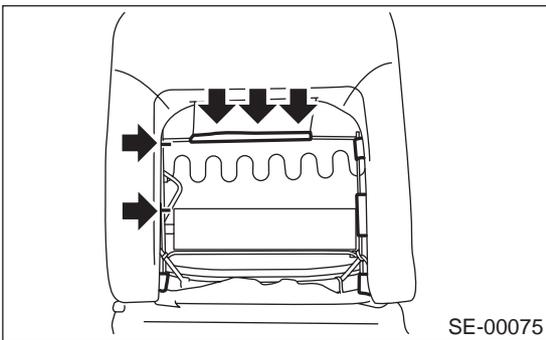


FRONT SEAT

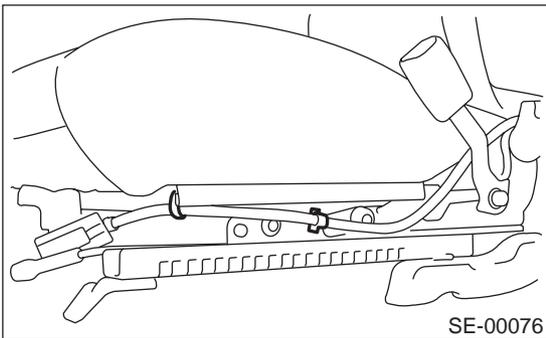
3) Remove hook at bottom, and then remove seat back board.



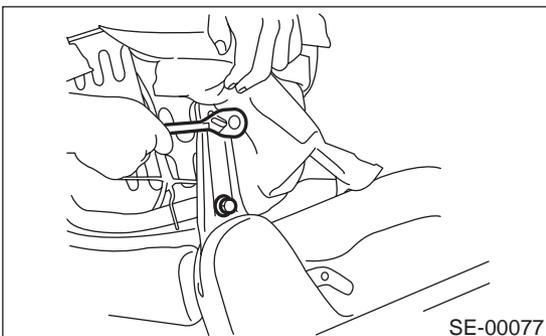
4) Remove hook on back side of seat, and remove wire rings using a plier.



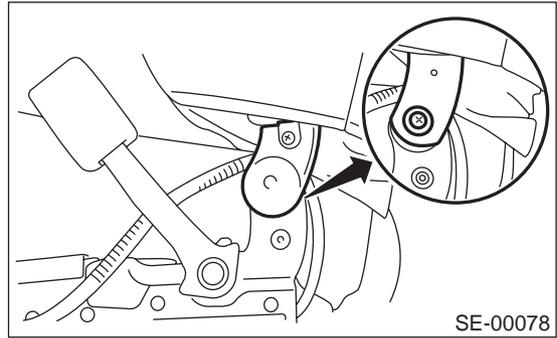
5) Remove clamp of side airbag wire harness.
(Side airbag equipped seat)
6) Remove clamp of seat heater wire harness.
(Seat heater equipped seat)



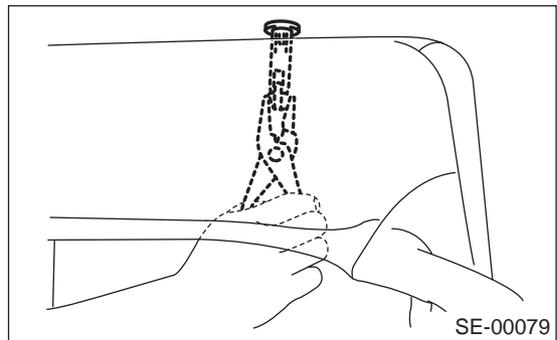
7) Turn cover and cushion, and remove the two bolts from hinge.



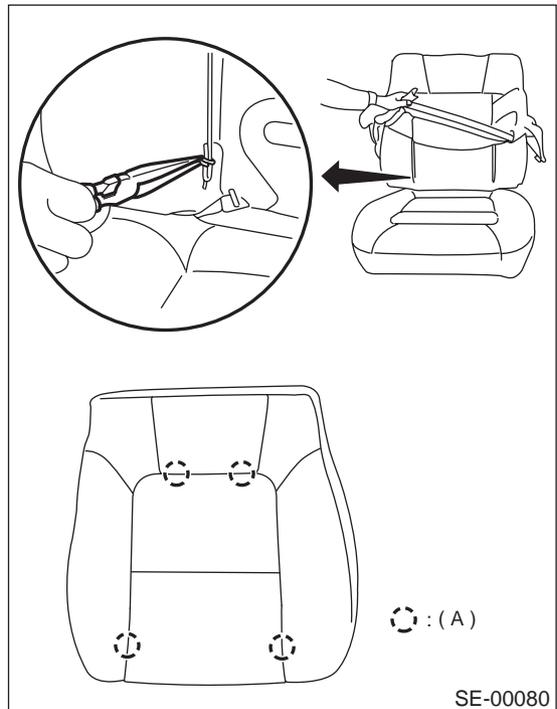
8) Remove hinge screw cover and screws, and remove seat back from hinge.



9) While picking up tip with a plier, remove head-rest lock bushing.



10) Remove hog ring (A) on front face of seat.

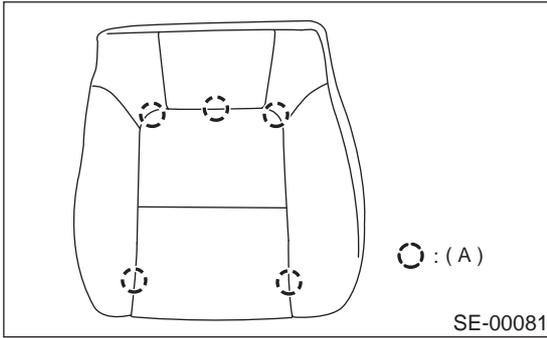


(A) Hog ring

FRONT SEAT

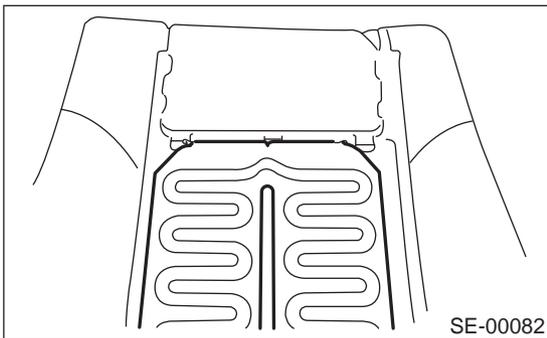
SEATS

Side airbag equipped seat:



(A) Hog ring

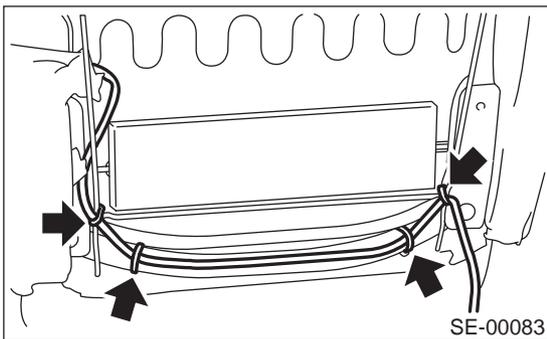
11) Remove hog rings (A), and then remove seat heater. (Seat heater equipped seat)



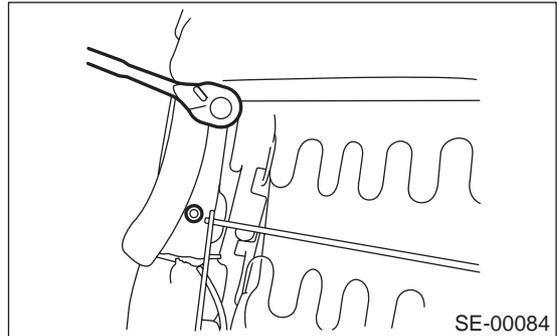
12) Remove seat cover.

13) Remove backrest pad.

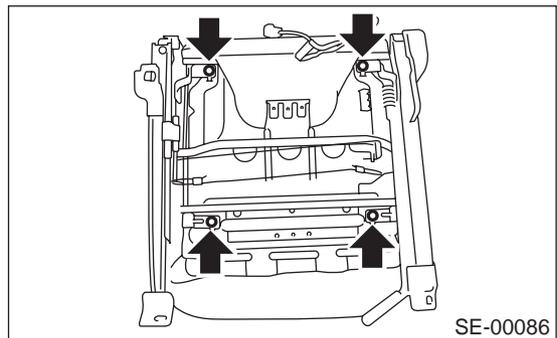
14) Remove clamp of airbag wire harness on back side of seat. (Side airbag equipped seat)



15) Remove the two cap nuts, and then remove side airbag module assembly. (Side airbag equipped seat)

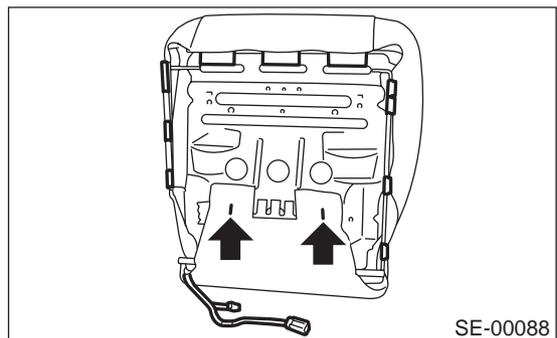


16) Remove the 4 bolts of seat hinge assembly, and then remove seat cushion.

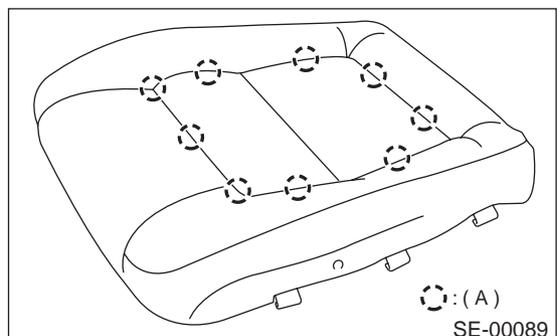


17) Remove hook clips on back side of seat cushion, and remove hog rings (A).

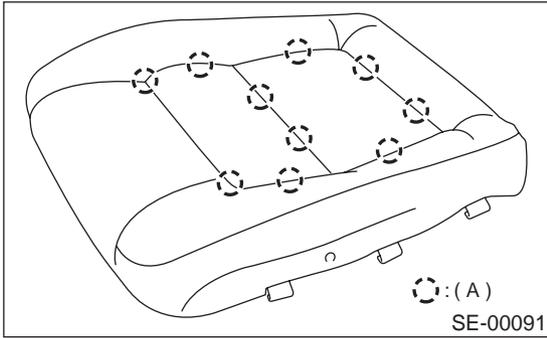
18) Remove clamp of seat heater wire harness. (Seat heater equipped seat)



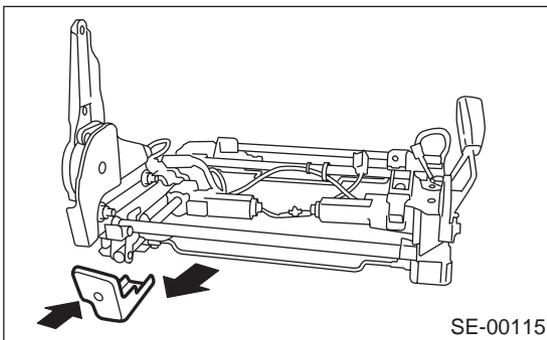
19) Remove hog rings (A).



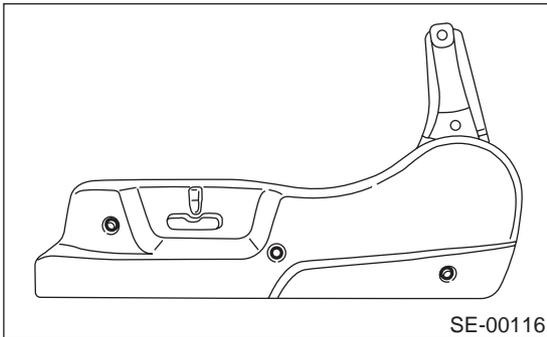
Leather type seat:



- 20) Remove cushion cover.
- 21) Remove cushion pad.
- 22) Remove the screw and then remove the cover.

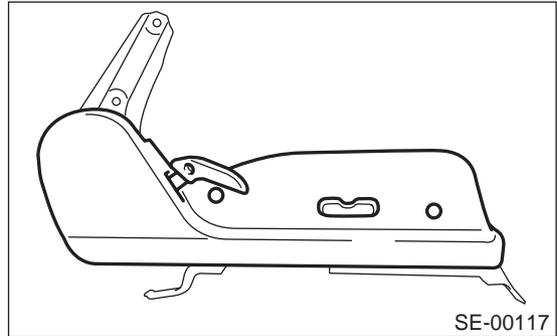


- 23) 8-way power seat:
- Remove the screw, disconnect the power seat switch connector on the underside of the cover, and remove the hinge cover.

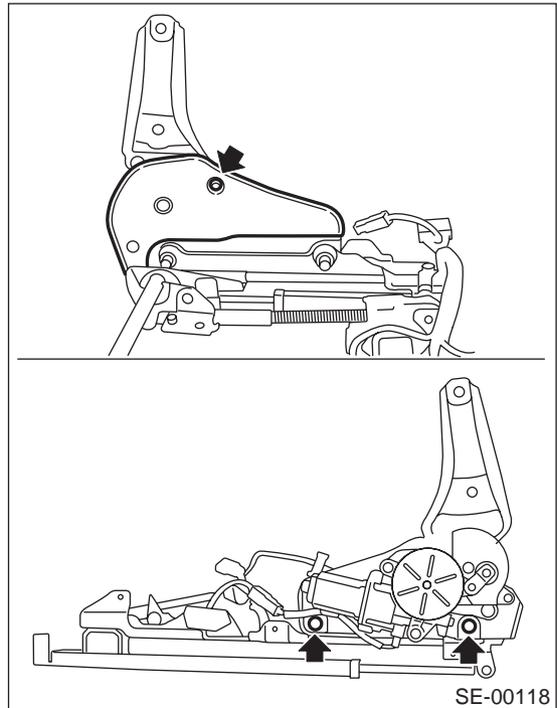


6-way power seat:

Remove the reclining lever cover and screw, disconnect the power seat switch connector on the underside of the cover, and remove the hinge cover.



- 24) Remove the cover on the underside of the seat hinge, remove the two bolts, and remove the seat hinge.



D: ASSEMBLY

1. STANDARD SEAT

1) Assemble in the reverse order of disassembly.

NOTE:

- Do not contaminate or damage cover.
- While installing hog rings, prevent seat from getting wrinkled.

2) Attach seat cover end hole to hinge inner. (Only non-tilt type standard seat)

2. POWER SEAT

1) Assemble in the reverse order of disassembly.

NOTE:

- Do not contaminate or damage cover.
- While installing hog rings, prevent seat from getting wrinkled.
- Make sure the connector is firmly connected.
- Make sure the wire harness is not pinched.

2) Attach seat cover end hole to hinge inner. (Only non-tilt type standard seat)

Tightening torque:

Refer to COMPONENT in General Description.

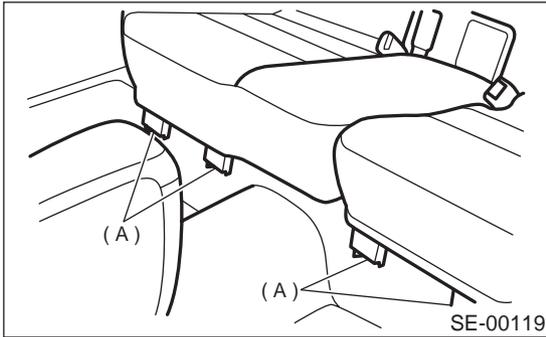
<Ref. to SE-2, FRONT SEAT, COMPONENT, General Description.>

3. Rear Seat

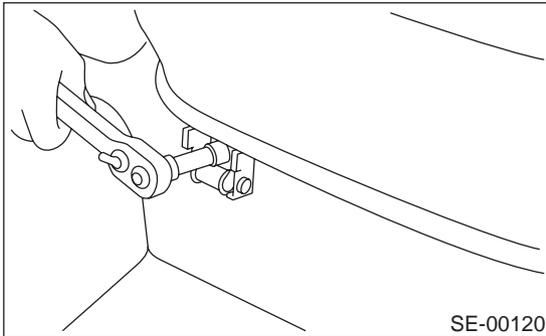
A: REMOVAL

1. WAGON

1) Raise the cushion, and then remove bolt covers (A).

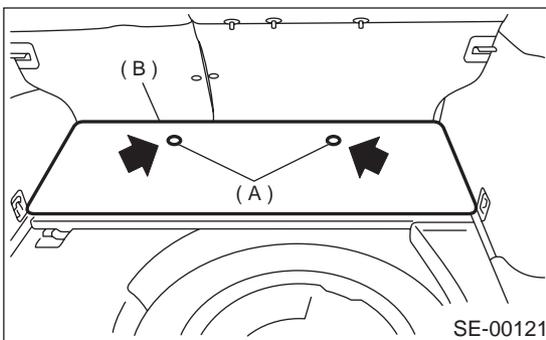


2) Remove bolts, and then remove rear seat cushion.

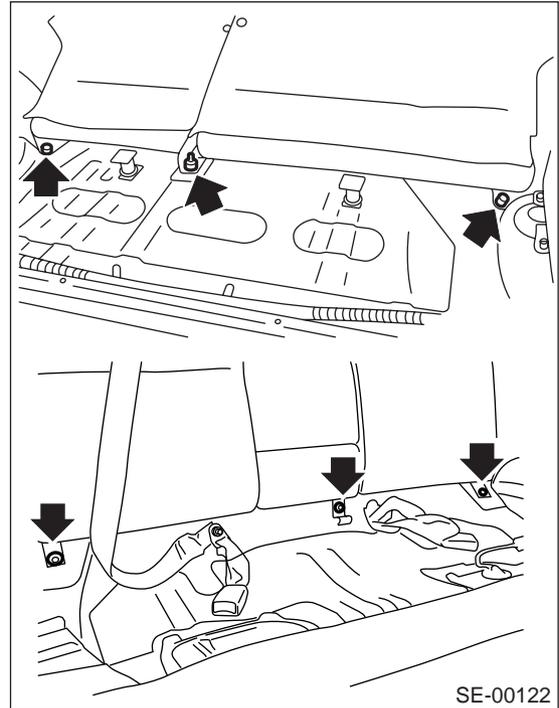


3) Remove headrest.

4) Remove clips, and then remove rear floor front mat.



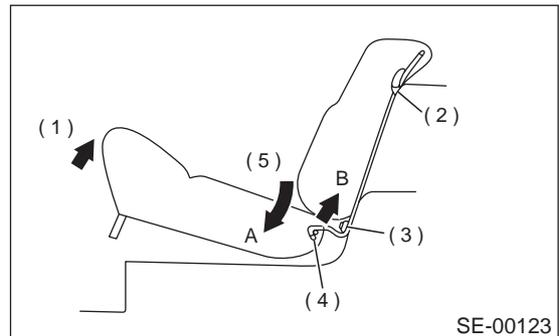
5) Remove bolts and nuts of bracket hinge.



6) Remove rear seat backrest.

2. SEDAN

1) Slightly raise front of cushion while pushing down on cushion in the direction of "A". With cushion held in that position, move it forward until it is unhooked.

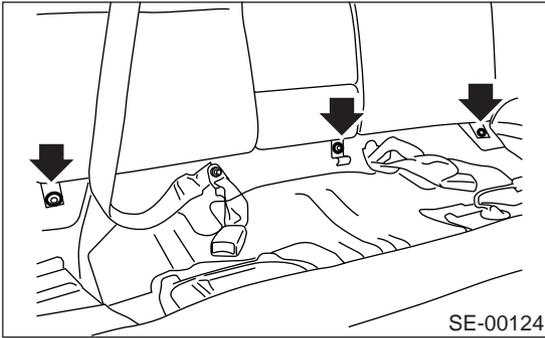


- (1) Raise
- (2) Hook
- (3) Attaching bolt
- (4) Hook
- (5) Push

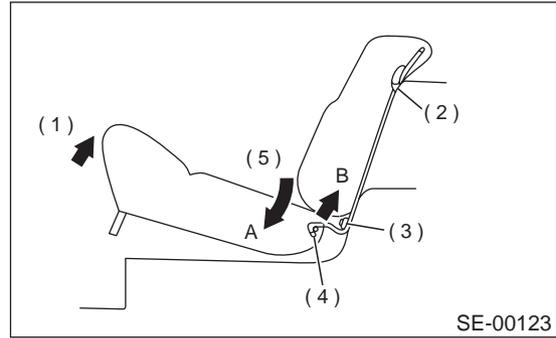
REAR SEAT

SEATS

2) Remove bolts securing lower portion of backrest and then open the center trunk through lid.



3) Hook and fasten the seat cushion to the hook on the lower part of the rear seat backrest.



3) Lift rear seat backrest and then remove it.

B: INSTALLATION

1. WAGON

1) Install in the reverse order of removal.

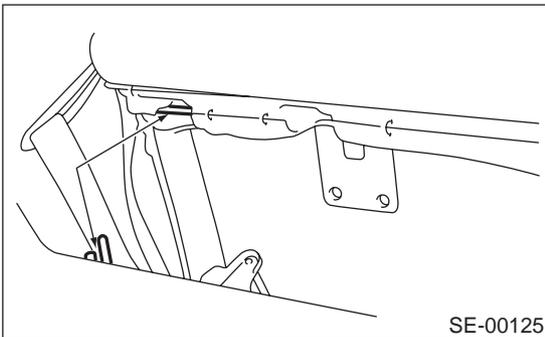
Tightening torque:

Refer to **COMPONENT** in *General Description*.

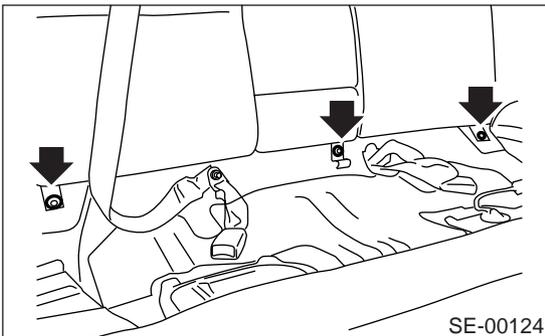
<Ref. to SE-5, REAR SEAT (WAGON), COMPONENT, GENERAL DESCRIPTION.>

2. SEDAN

1) Hook and fasten the upper-back side of the rear seat backrest to the body hook.



2) Tighten the bolt and install the backrest.



- (1) Raise
- (2) Hook
- (3) Attaching bolt
- (4) Hook
- (5) Push

Tightening torque:

Refer to **COMPONENT** in *General Description*.

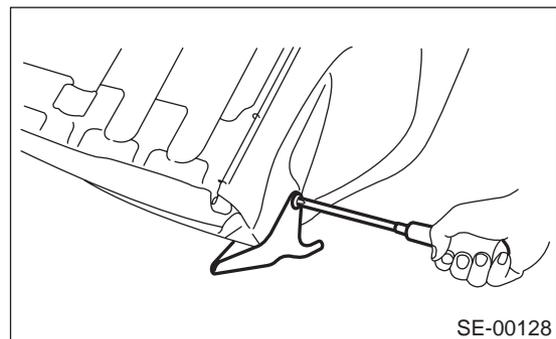
<Ref. to SE-4, REAR SEAT (SEDAN), COMPONENT, General Description.>

C: DISASSEMBLY

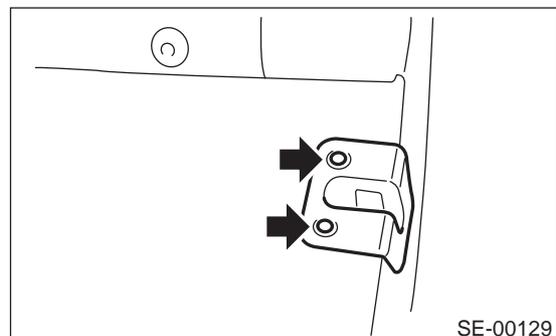
1. WAGON

1) Remove rear seat. <Ref. to SE-17, REMOVAL, Rear Seat.>

2) Remove bolts, and then remove bracket hinge.

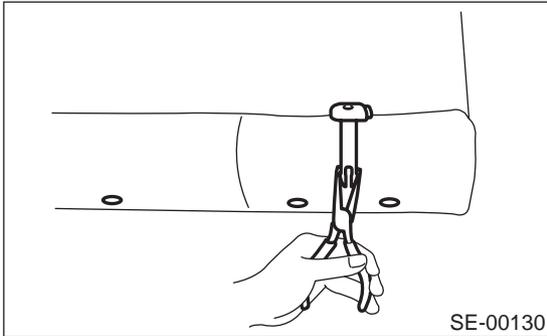


3) Remove rear backrest lock cover.

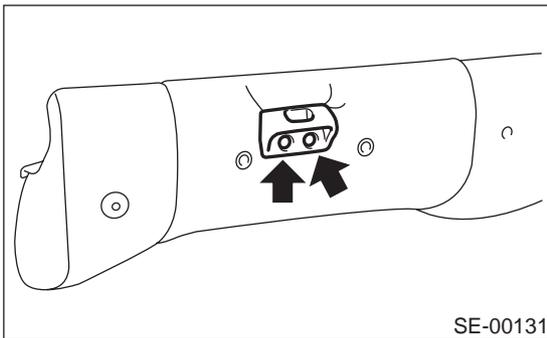


4) While turning counterclockwise rear backrest knob, remove it.

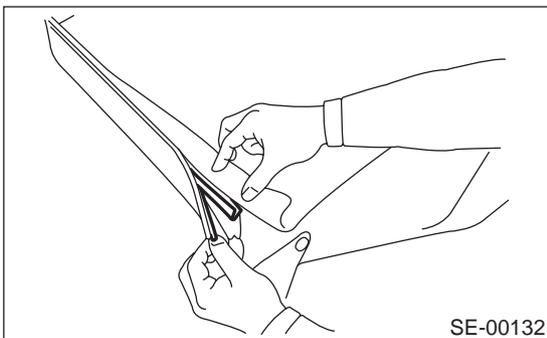
5) While picking up tip with pliers, remove headrest lock bushings.



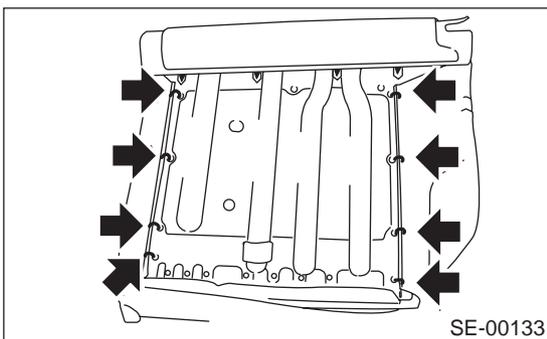
6) Remove backrest hook.



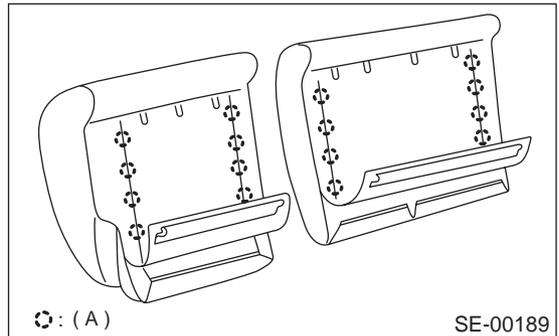
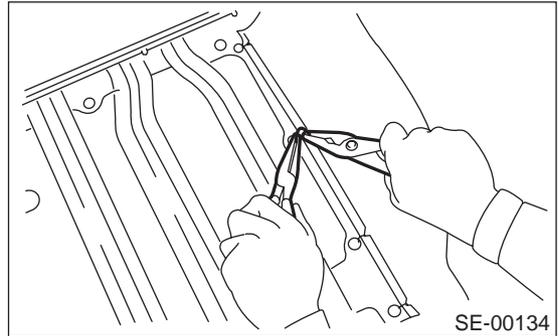
7) Remove hook at bottom.



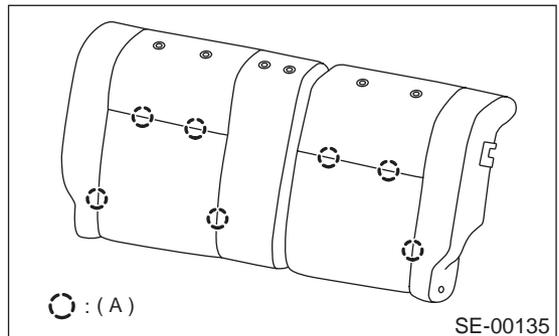
8) Remove 4 pawls.



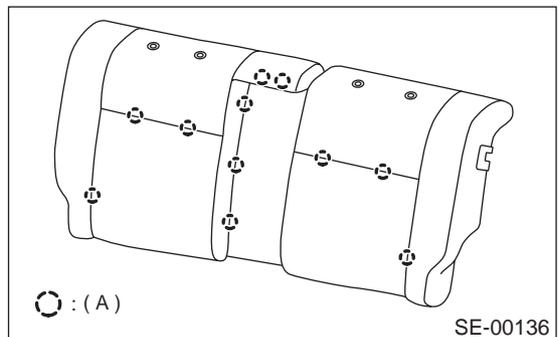
9) Remove 8 hog rings (A).



10) Remove the hog rings (A) on front side of cushion pad.



Armrest-equipped seat:

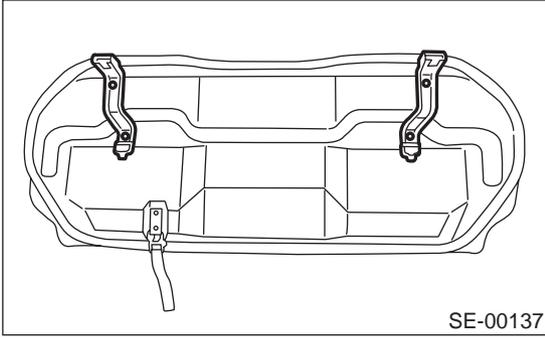


11) Remove cover. When disassembly of rear seat cushion is required, proceed to the following steps.

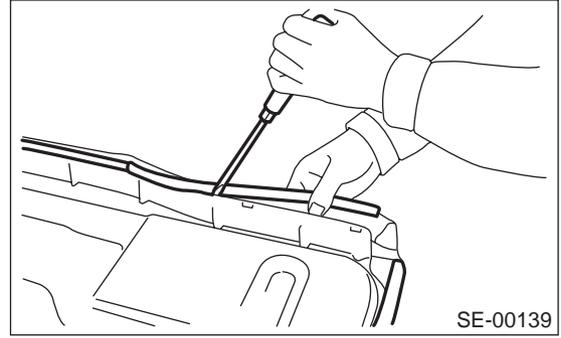
REAR SEAT

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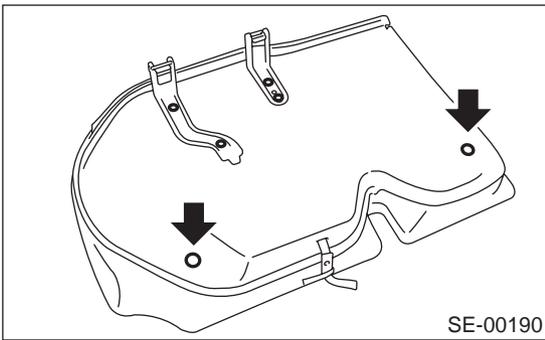
12) Remove bolts, and then remove cushion hinge.



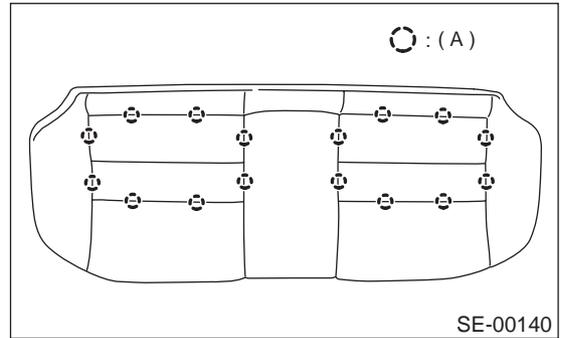
15) Remove hook, and then remove frame.



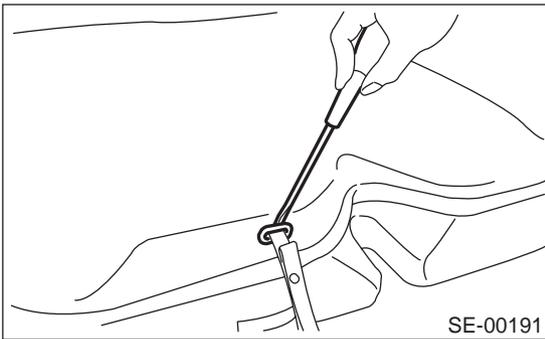
Separated-type seat:
Remove clips. Remove bolts, and then remove cushion hinge.



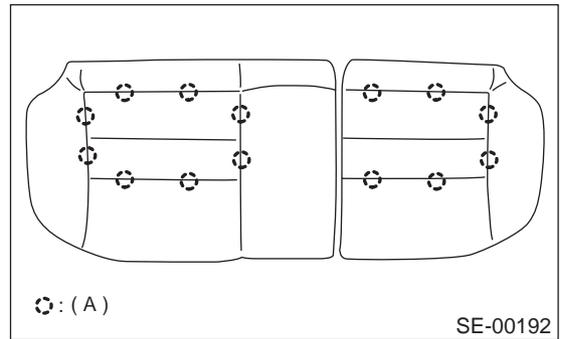
16) Remove hog rings (A), and then remove cover.



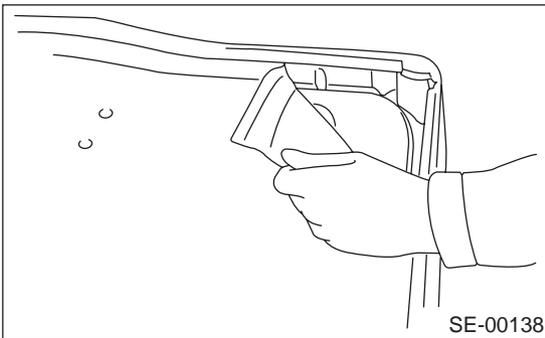
13) Remove bezel.



Separated-type seat:

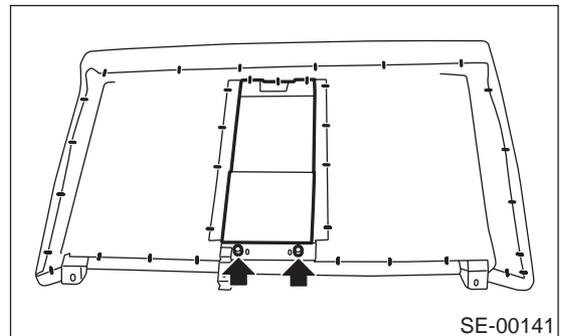


14) Remove rear cushion mat.



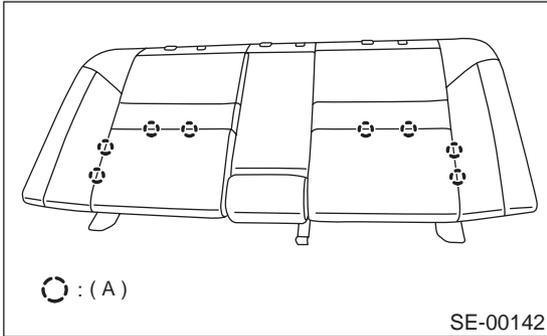
2. SEDAN

- 1) Remove the rear seat from the vehicle. <Ref. to SE-17, REMOVAL, Rear Seat.>
- 2) Remove the hog rings from around the seat backrest.
- 3) Remove the two nuts and remove the armrest assembly.

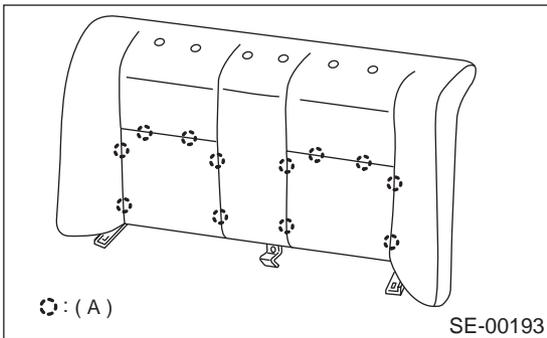


4) Remove the hog rings (A), and then remove the seat cover.

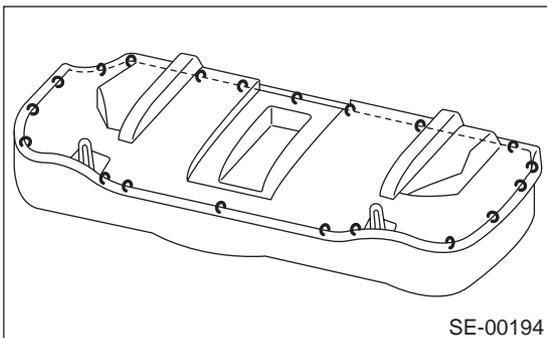
Armrest through-equipped seat:



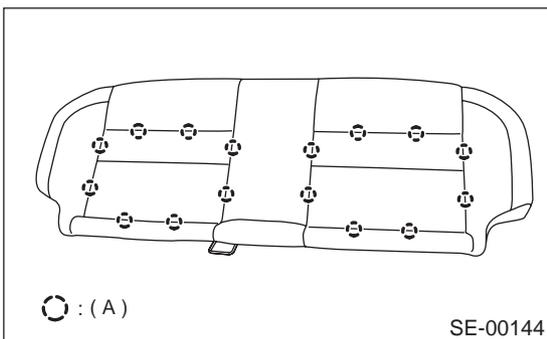
Unified-type seat:



5) Remove the hog rings around the seat cushion.



6) Remove the hog rings (A), and then remove the seat cover



D: ASSEMBLY

1. WAGON

1) Assemble in the reverse order of disassembly.

NOTE:

- Do not contaminate or damage cover.
- While installing wire rings, prevent seat from getting wrinkled.

2. SEDAN

1) Assemble in the reverse order of disassembly.

NOTE:

- Do not contaminate or damage cover.
- While installing wire rings, prevent seat from getting wrinkled.

REAR SEAT

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MEMO: