

4. Front Door

A: REMOVAL

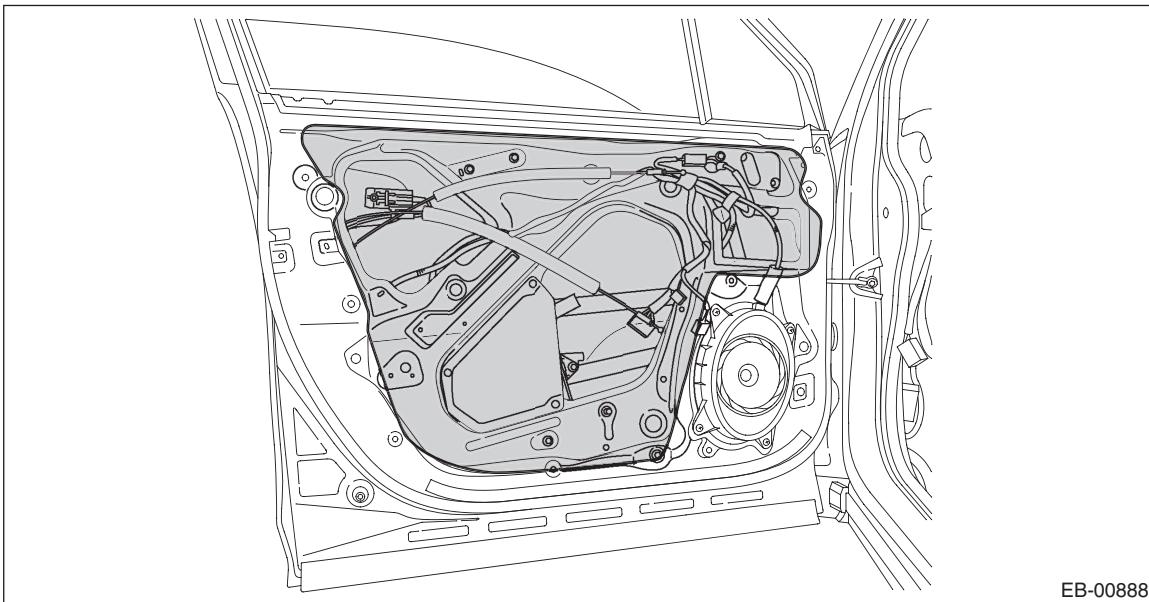
1. FRONT DOOR PANEL

- 1) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 2) Remove the trim panel - front door.<Ref. to EI-54, FRONT DOOR, REMOVAL, Door Trim.>
- 3) Remove the sealing cover - front door.

CAUTION:

- Carefully remove the butyl tape. Excessive force will easily break the cover.
- If the sealing cover - front door gets broken, replace it with a new part.
- Be careful not to allow the butyl tape to contact any trims and seats because the butyl tape, which has a strong adhesive force, is difficult to remove once it adhered.

- (1) Disconnect each connector, and carefully remove the butyl tape to remove the sealing cover - front door.

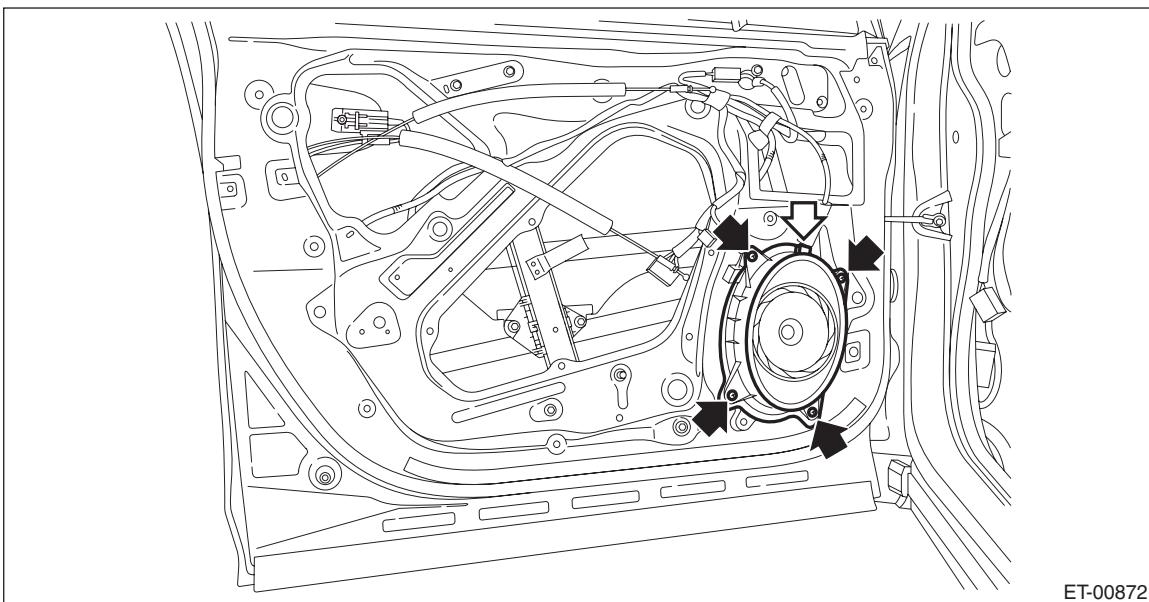


- 4) Remove the outer mirror assembly.<Ref. to GW-23, REMOVAL, Outer Mirror Assembly.>

5) Remove the front door speaker assembly.

(1) Remove the screws.

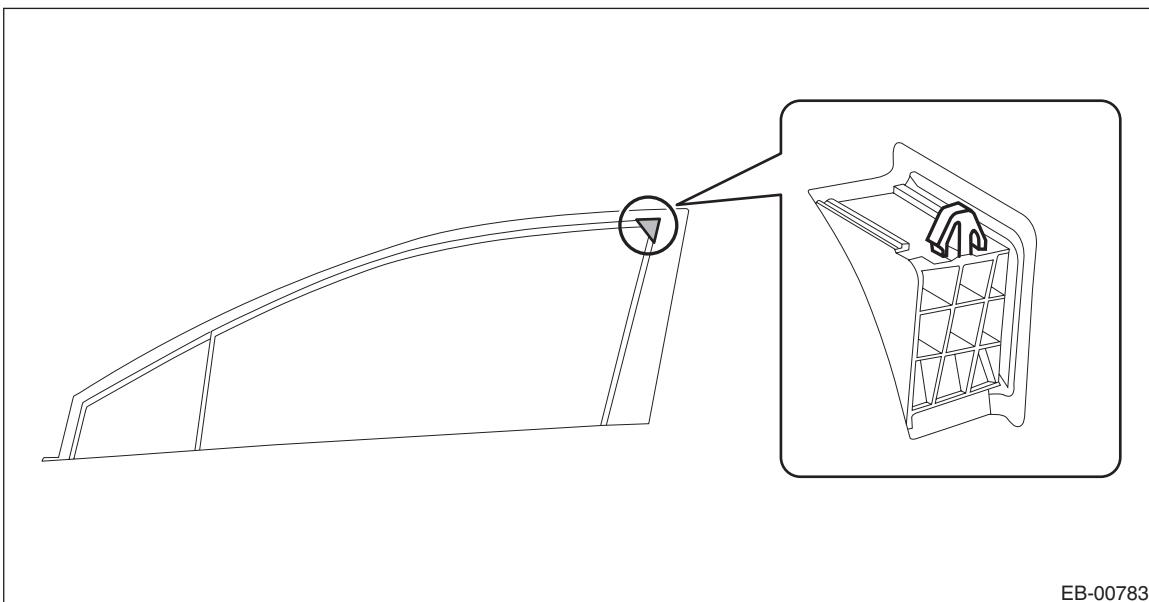
(2) Disconnect the connector and remove the front speaker assembly.



6) Remove the B pillar upper clip.

CAUTION:

The clip cannot be reused, therefore, always replace with a new part.



Front Door

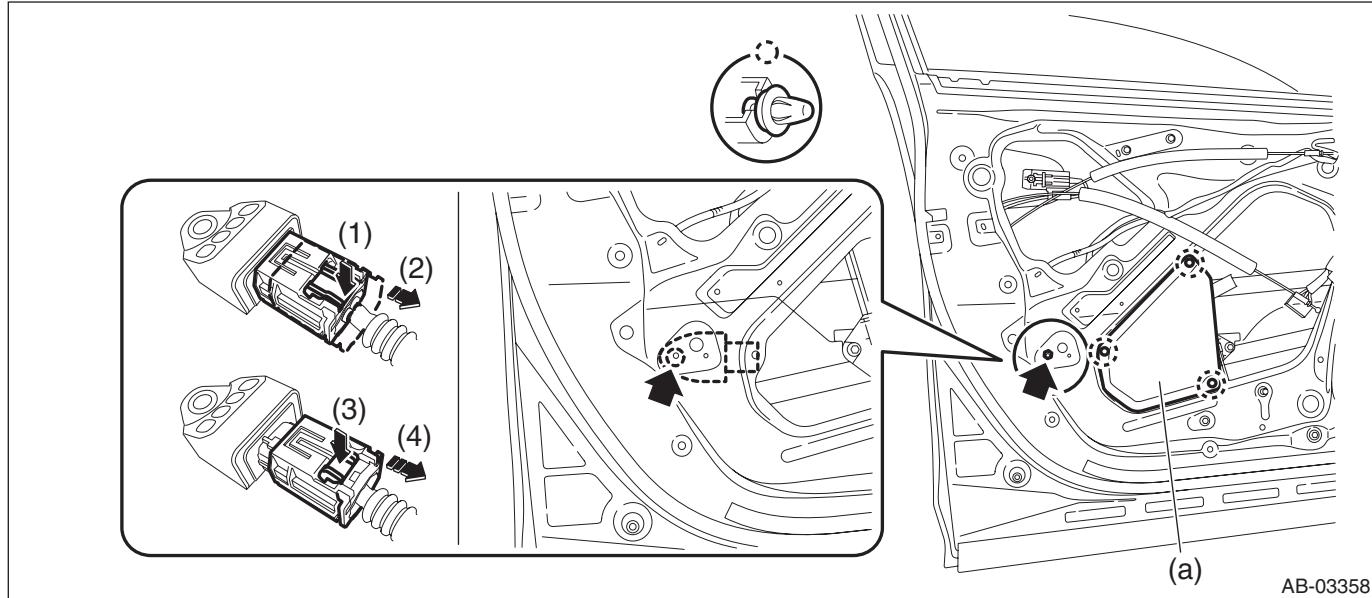
EXTERIOR BODY PANELS

7) Remove the front door impact sensor assembly.

(1) Remove the front door inner pad (a).

(2) Remove the nuts and then remove the front door impact sensor assembly.

(3) Disconnect the airbag connector and remove the airbag door sensor assembly.<Ref. to AB-23, FRONT SUB SENSOR, FRONT DOOR IMPACT SENSOR AND SATELLITE SAFING SENSOR, PROCEDURE, Airbag Connector.>



8) Remove the glass assembly - front door and the glass - front door partition.<Ref. to GW-17, REMOVAL, Front Door Glass.>

9) Remove the regulator & motor assembly - front of the front door.<Ref. to GW-20, REMOVAL, Front Regulator and Motor Assembly.>

10) Remove the latch and actuator assembly - front.<Ref. to SL-39, REMOVAL, Front Door Latch and Door Lock Actuator Assembly..>

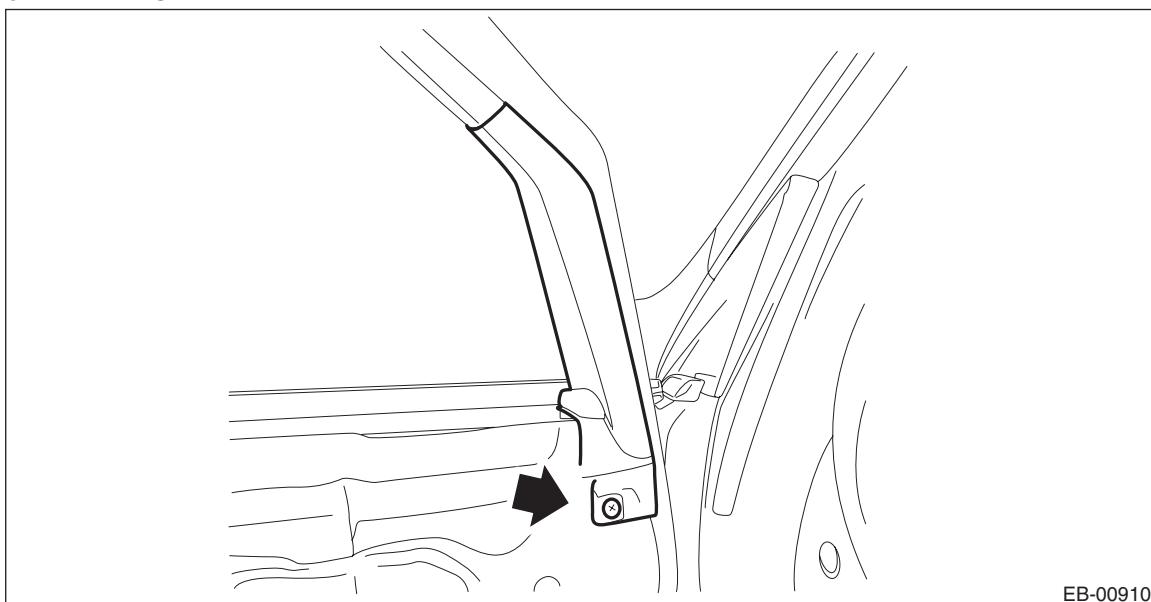
11) Remove the handle - door outer.<Ref. to SL-35, REMOVAL, Front Outer Handle.>

12) Remove the weather strip - front door.<Ref. to EB-66, DOOR, REPLACEMENT, Weather Strip.>

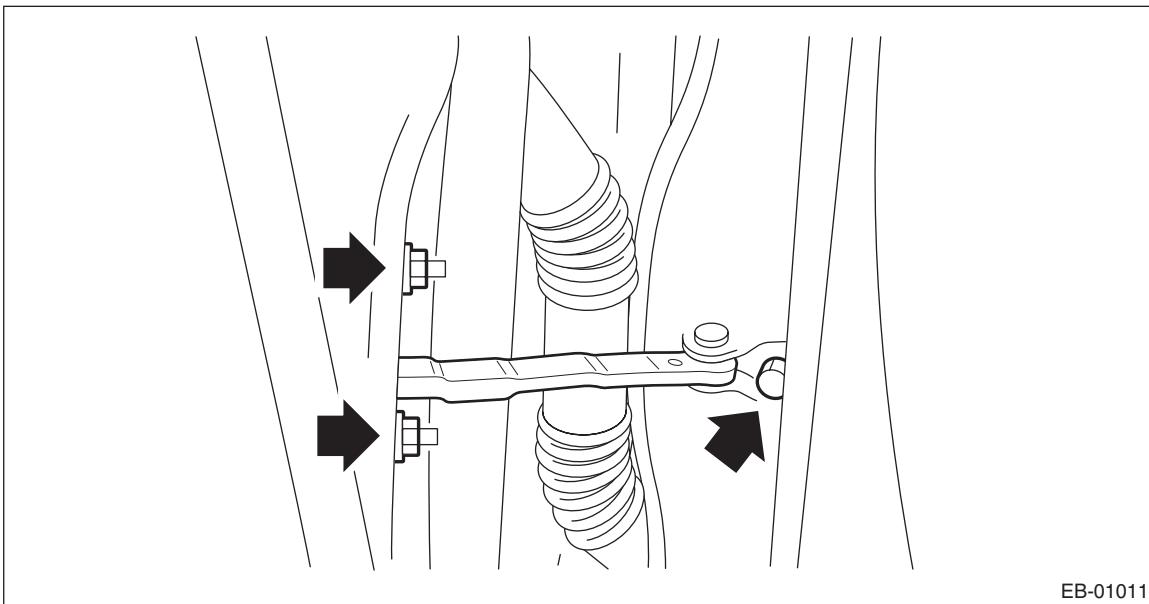
13) Remove the clips and the upper hooks, and remove the cover sash - inner front.

CAUTION:

Do not forcibly pull the cover sash - inner front. Otherwise, the hook section of the cover sash - inner front may be damaged.



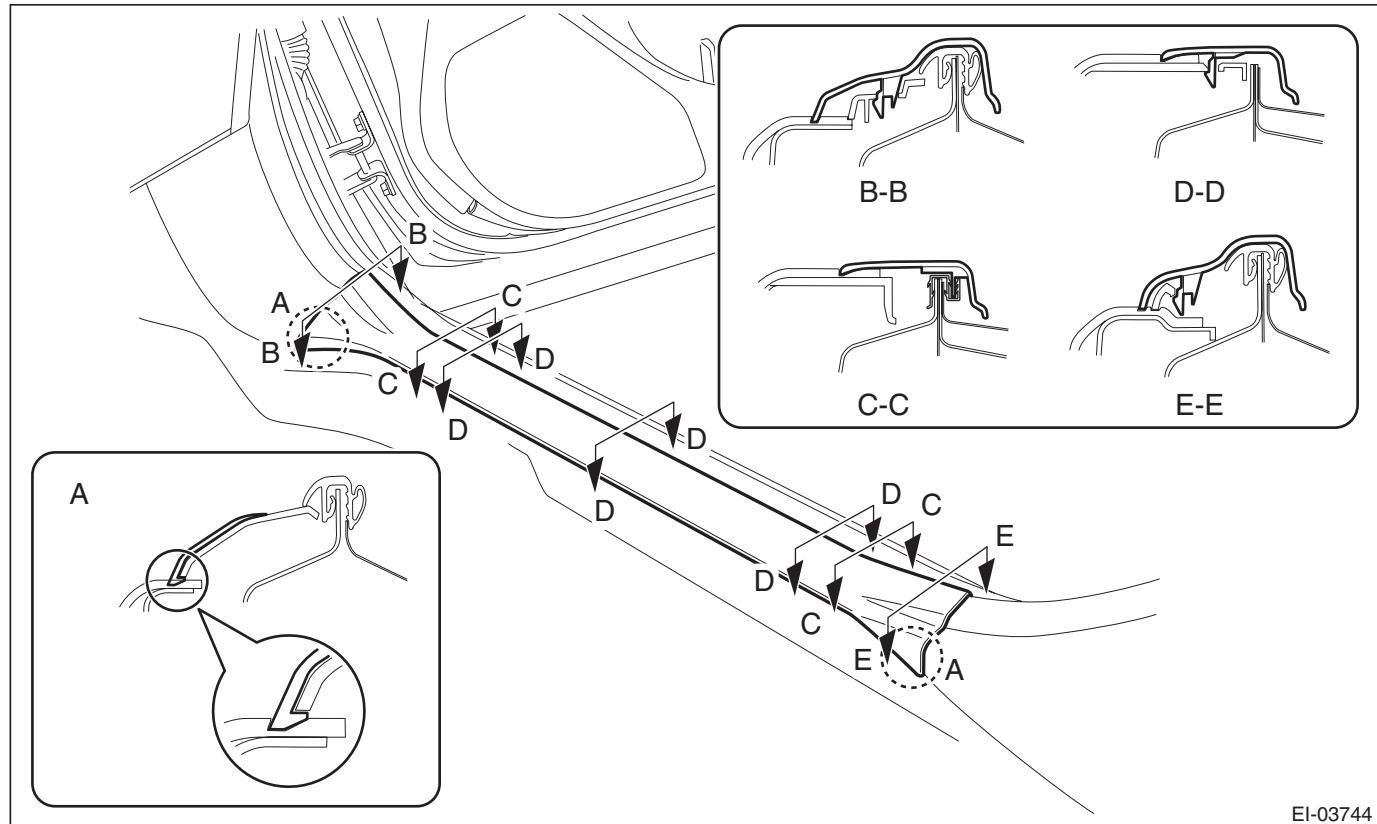
14) Remove the bolts and nuts, and then detach the checker assembly - front door.



15) Release the claws, and then remove the cover side sill - front INN.

CAUTION:

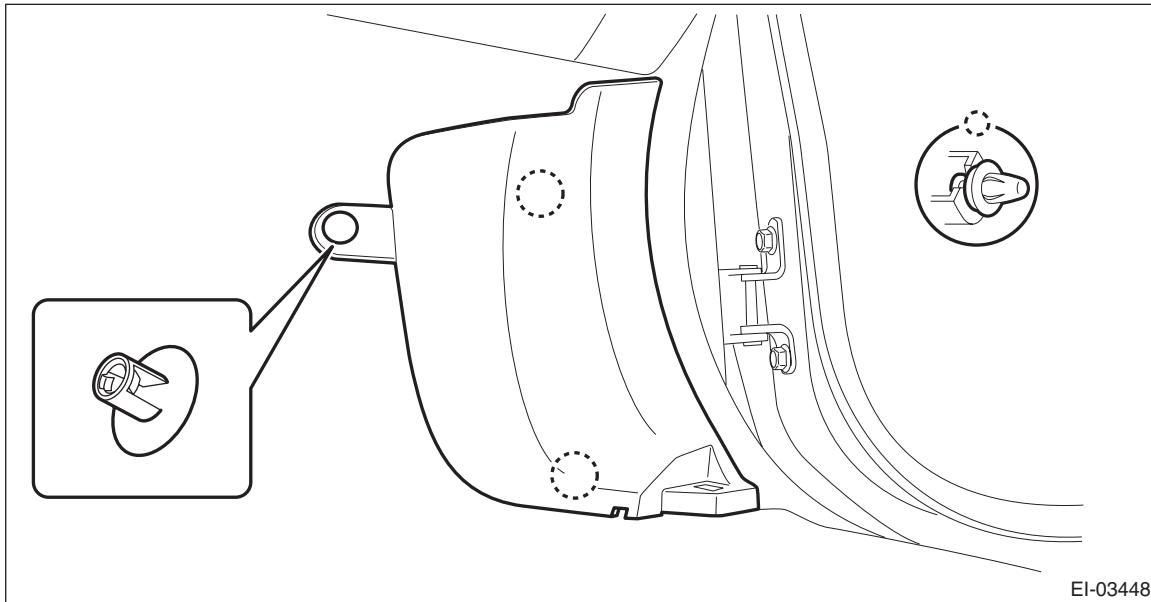
Do not pull with excessive force. Doing so may damage the claws of the cover side sill - front INN.



Front Door

EXTERIOR BODY PANELS

16) Remove the clips, and remove the cover side sill - front.



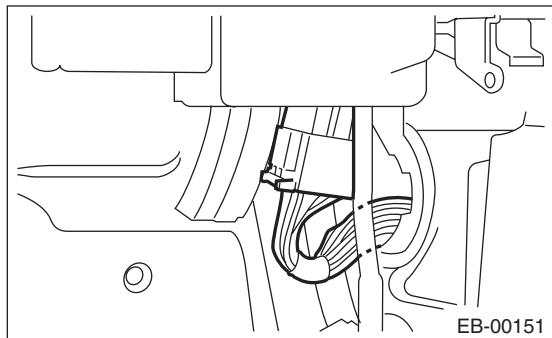
17) Disconnect the front door impact sensor harness connector.<Ref. to AB-25, FRONT DOOR IMPACT SENSOR (BETWEEN AIRBAG REAR HARNESS AND DOOR HARNESS), PROCEDURE, Airbag Connector.‑>

CAUTION:

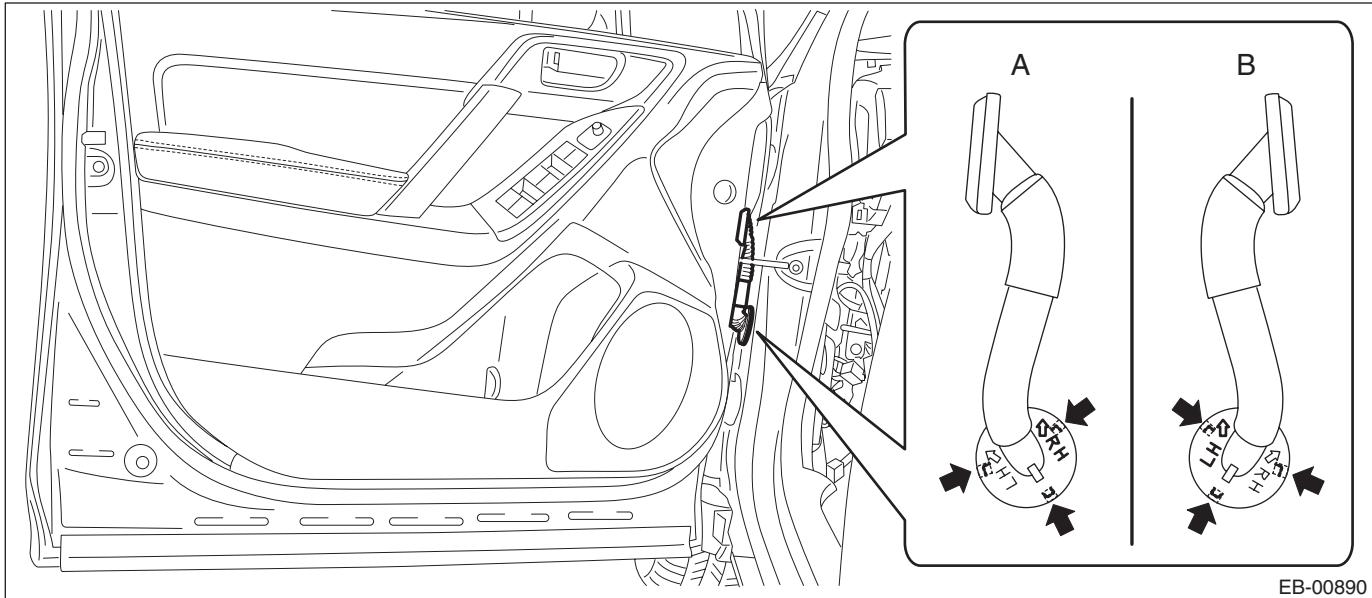
Always refer to “CAUTION” of “General Description” in the “AIRBAG SYSTEM” before performing any service that handles the airbag connectors.<Ref. to AB-9, CAUTION, General Description.‑>

18) Disconnect the front door harness connectors.

(1) Disconnect the connector of door harness from body harness.



(2) Push in the claws to remove the grommet, and pull out the door harness connector.

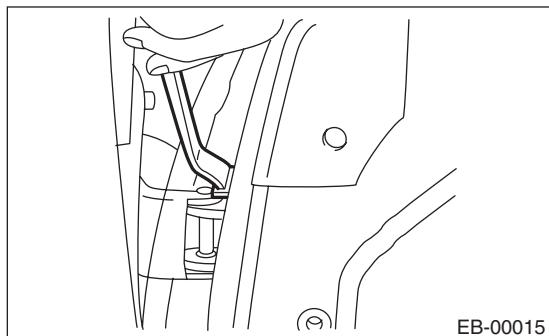


A	Left door
B	Right door

19) Remove the door-side bolts for the upper hinge - front door and the lower hinge - front door to remove the panel assembly - front door.

CAUTION:

- The panel assembly - front door is heavy. When removing and installing it, always work in a team of two or more persons.
- While removing or installing, do not use a jack, etc. on the garnish section.



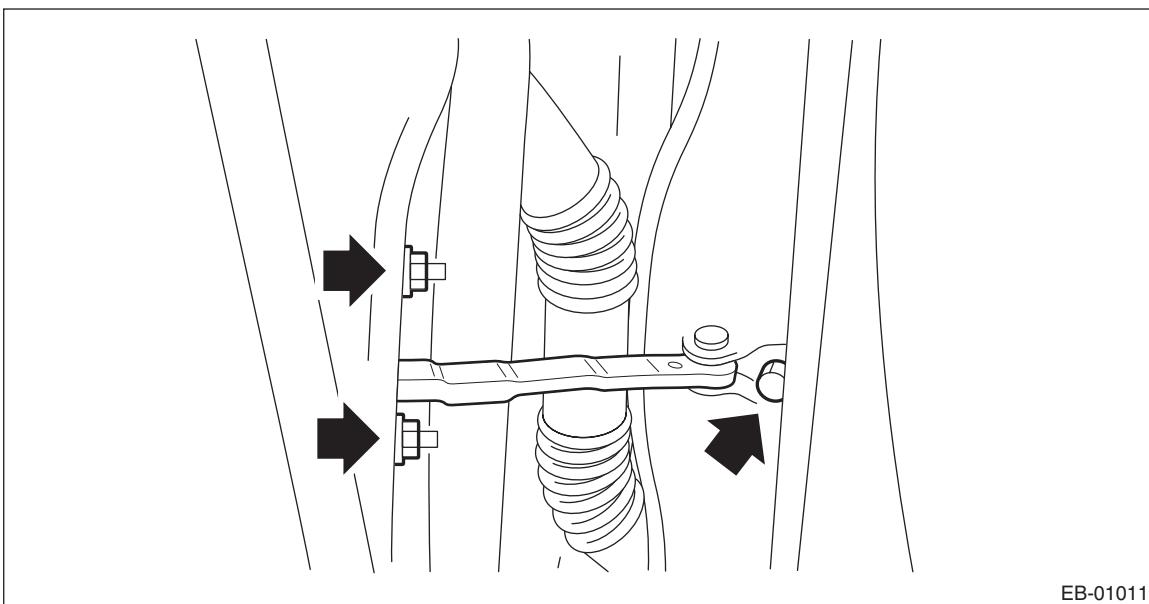
20) Remove the door hinge from vehicle.

Front Door

EXTERIOR BODY PANELS

2. FRONT DOOR HINGE

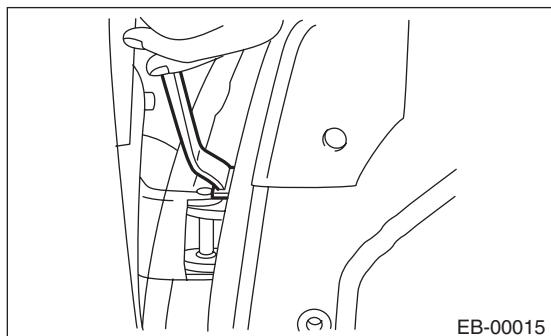
- 1) Remove the bolts from the vehicle side to disconnect the checker assembly - front door.



- 2) Remove the bolts of the upper hinge - front door or the lower hinge - front door.

CAUTION:

- The panel assembly - front door is heavy. When removing and installing it, always work in a team of two or more persons.
- While removing or installing, do not use a jack, etc. on the garnish section.
- Do not remove the upper hinge - front door and the lower hinge - front door at the same time.



- 3) Remove the hinge - front door from the vehicle.

B: INSTALLATION

1. FRONT DOOR PANEL

CAUTION:

- The panel assembly - front door is heavy. When removing and installing it, always work in a team of two or more persons.
- While removing or installing, do not use a jack, etc. on the garnish section.

- 1) Apply grease to the sliding area of door hinges, and install the door hinge to vehicle.
- 2) Have the door supporting staff adjust the height, and temporarily install the panel assembly - front door to the upper hinge - front door and the lower hinge - front door.

NOTE:

- When installing the panel assembly - front door, make sure that a uniform clearance is created around the panel.
- Perform installation while paying attention to the assembly direction of the grommet.

- 3) Adjust the clearance around the panel assembly - front door. <Ref. to EB-33, ADJUSTMENT, Front Door.>

4) Tighten the bolts and nuts of the door hinge and the checker assembly - front door.

Tightening torque:

Refer to "COMPONENT" of "General Description". <Ref. to EB-6, FRONT DOOR, COMPONENT, General Description.>

5) Install door internal parts in the reverse order of removal.

NOTE:

For installation of the door sash tape, refer to the door sash tape. <Ref. to EB-49, INSTALLATION, Door Sash Tape.>

6) Connect door harness connector, and install the cover side sill - front.

2. FRONT DOOR HINGE

1) Apply grease to the sliding area of door hinges, and install the door hinge to vehicle.

2) Have the door supporting staff adjust the height, and temporarily install the panel assembly - front door to the upper hinge - front door and the lower hinge - front door.

NOTE:

When installing the panel assembly - front door, make sure that a uniform clearance is created around the panel.

3) Adjust the clearance around the panel assembly - front door. <Ref. to EB-33, ADJUSTMENT, Front Door.>

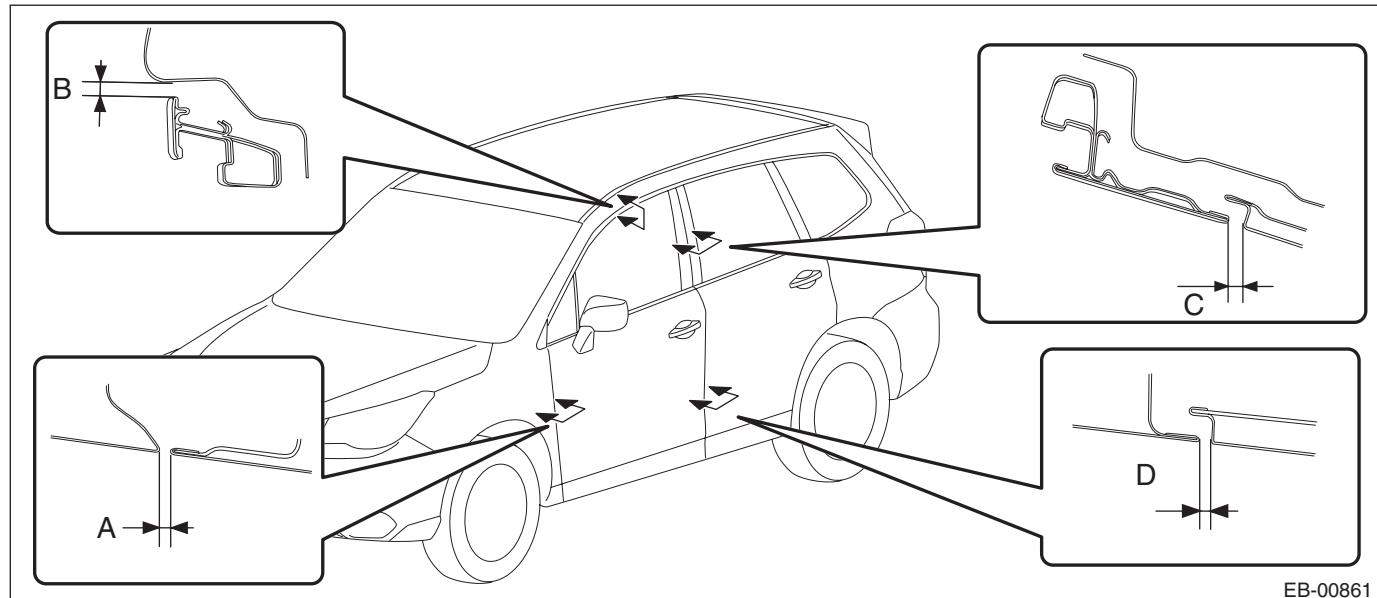
4) Tighten the bolts and nuts of the door hinge and the checker assembly - front door.

Tightening torque:

Refer to "COMPONENT" of "General Description". <Ref. to EB-6, FRONT DOOR, COMPONENT, General Description.>

C: ADJUSTMENT

Adjust the clearance around the panel assembly - front door as follows.



Part	Standard
A Fender COMPL - front to Panel assembly - front door	$4.5 \pm 1.0 \text{ mm (} 0.18 \pm 0.04 \text{ in)}$
B Panel side outer to Front door sash	$5.7 \pm 1.5, -1.0 \text{ mm (} 0.22 \pm 0.06, -0.04 \text{ in)}$
C Front door sash to Rear door sash	$5.5 \pm 1.5, -1.0 \text{ mm (} 0.22 \pm 0.06, -0.04 \text{ in)}$
D Panel assembly - front door to Panel assembly - rear door	$4.5 \pm 1.0 \text{ mm (} 0.18 \pm 0.04 \text{ in)}$

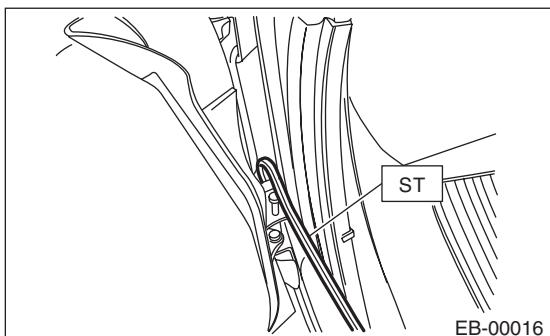
Front Door

EXTERIOR BODY PANELS

- 1) Adjust the vertical and horizontal positions of the panel assembly - front door.

Preparation tool:

ST: WRENCH (925610000)

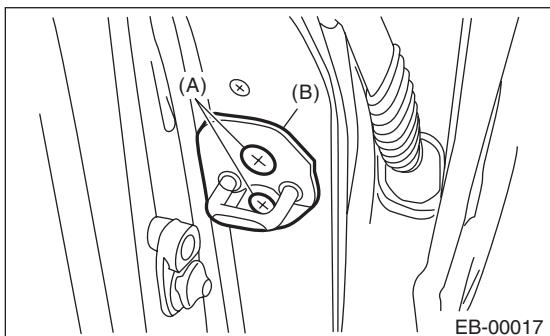


- (1) Using ST, loosen the body side bolts of the upper hinge - front door and the lower hinge - front door.
- (2) Adjust the vertical and horizontal clearance of the panel assembly - front door.

- 2) Adjust the surface level gap between the panel assembly - front door and the panel assembly - rear door.

CAUTION:

Do not use an impact wrench. Welding area on the striker nut plate is easily broken.



- (1) Loosen the screws (A).
- (2) Tap the striker - front door (B) using a plastic hammer to adjust the surface level gap between the rear end of the panel assembly - front door and the front end of the panel assembly - rear door.