

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. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

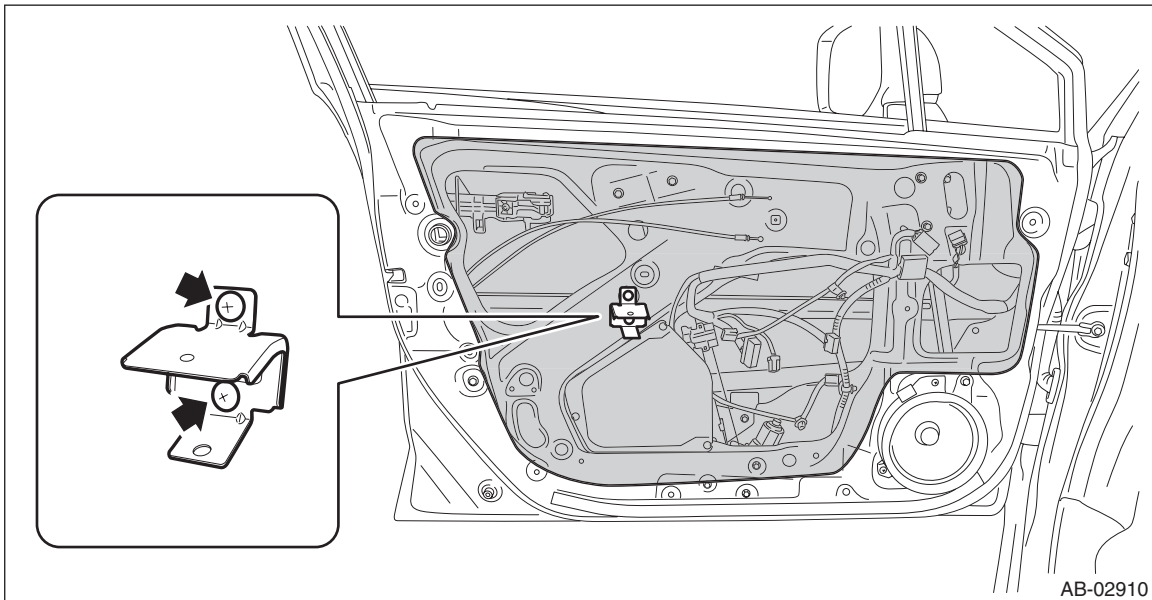
For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

2) Remove the trim panel - front door. <Ref. to EI-72, 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.
 - (1) Remove the screw to remove the bracket - door trim front.
 - (2) Carefully remove the butyl tape to remove the sealing cover - front door.



4) Remove the outer mirror assembly. <Ref. to GW-24, REMOVAL, Outer Mirror Assembly.>

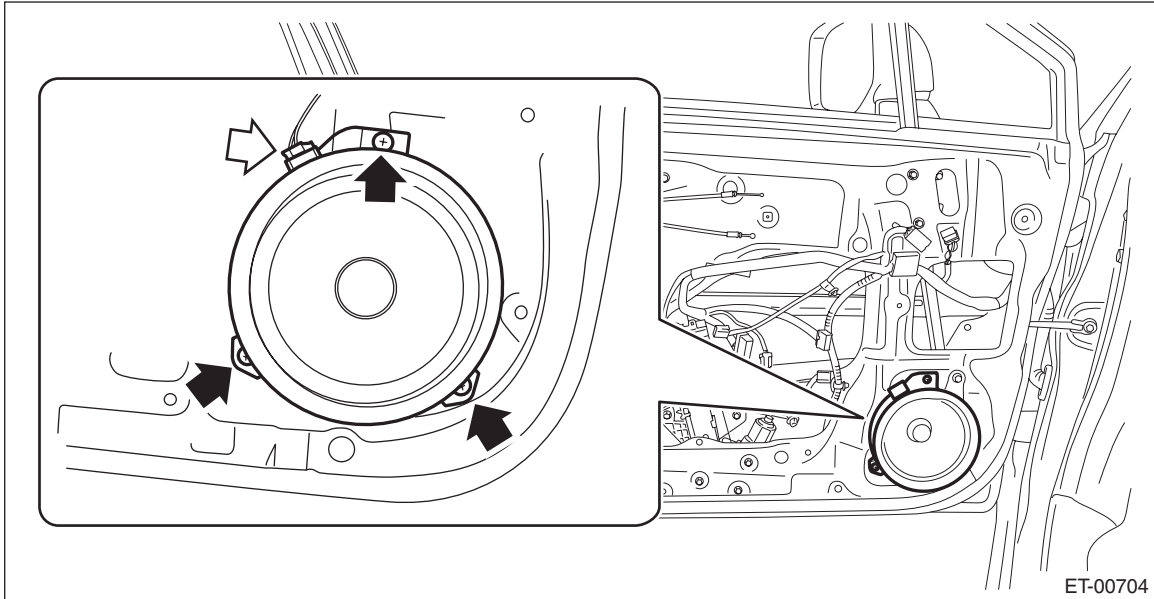
Front Door

EXTERIOR BODY PANELS

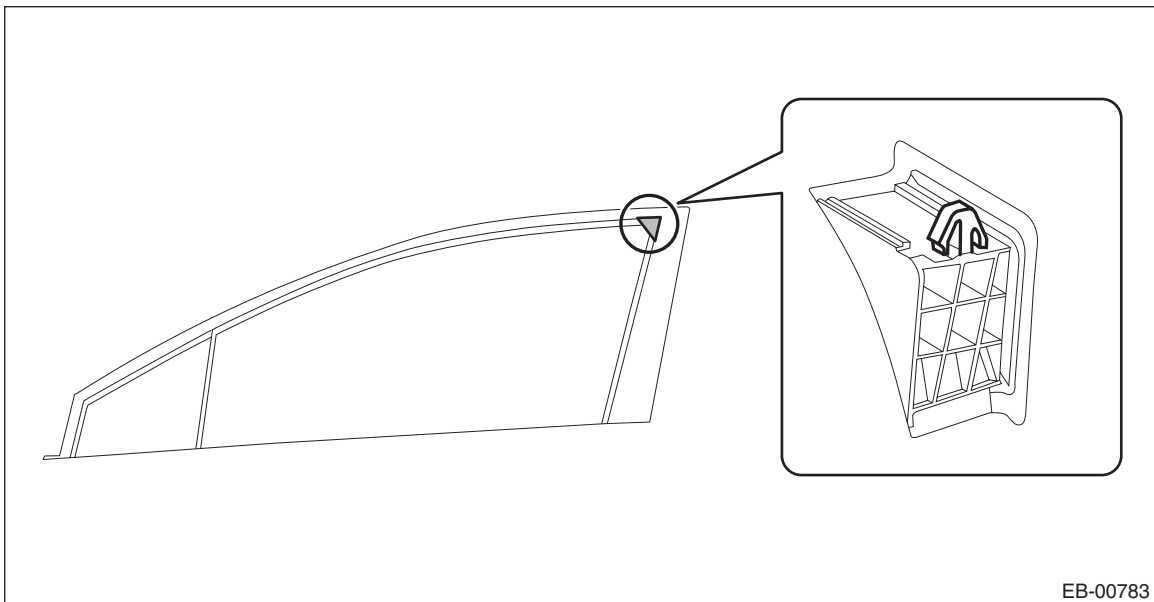
5) Remove the front door speaker assembly.

(1) Remove the screws.

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

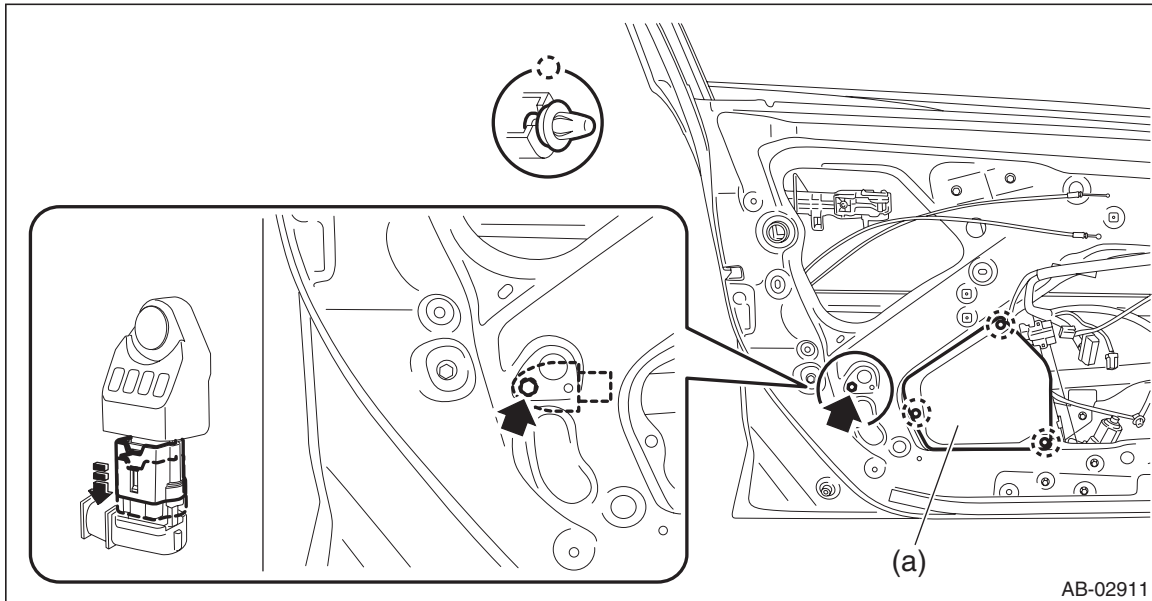


6) Remove the B pillar upper clip.



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-20, 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-18, REMOVAL, Front Door Glass.>

9) Remove the regulator & motor assembly - front of the front door. <Ref. to GW-21, REMOVAL, Front Regulator and Motor Assembly.>

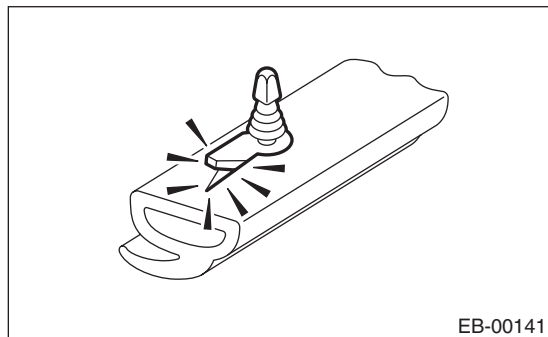
10) Remove the latch and actuator assembly - front. <Ref. to SL-44, REMOVAL, Front Door Latch and Door Lock Actuator Assembly.>

11) Remove the handle - door outer and the cover - handle front outer. <Ref. to SL-40, REMOVAL, Front Outer Handle.>

12) Remove the weather strip - front door.

CAUTION:

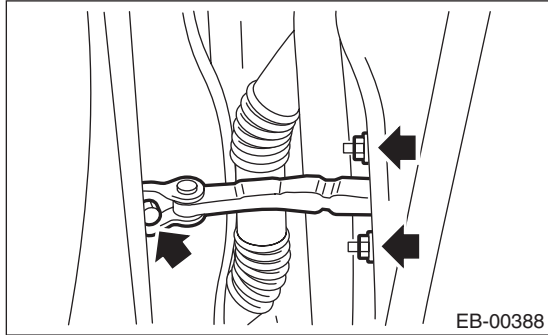
If the weather strip clip is removed with excessive force, the weather strip may be damaged. Be sure to use clip remover to remove.



Front Door

EXTERIOR BODY PANELS

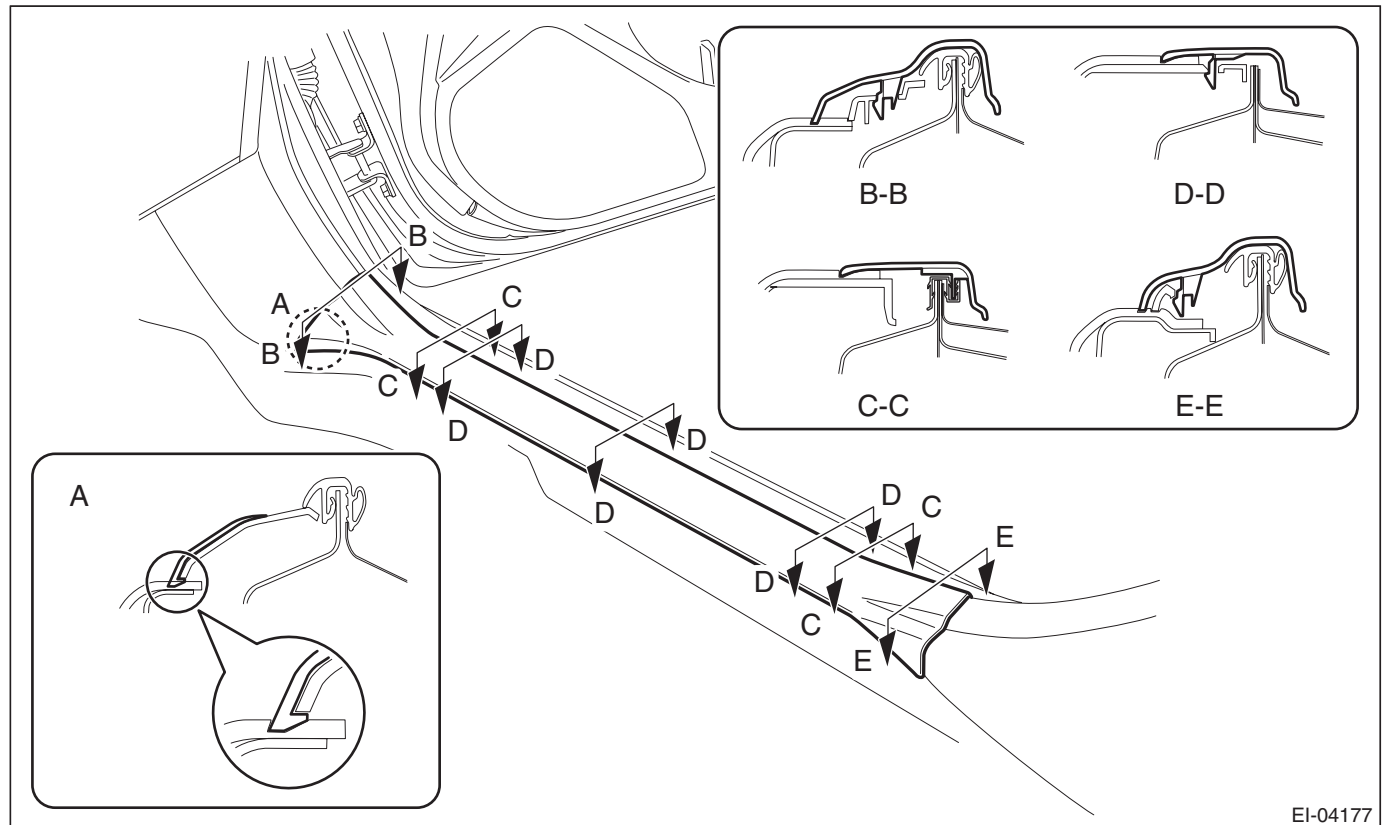
13) Remove the bolts and nuts, and then detach the checker assembly - front door.



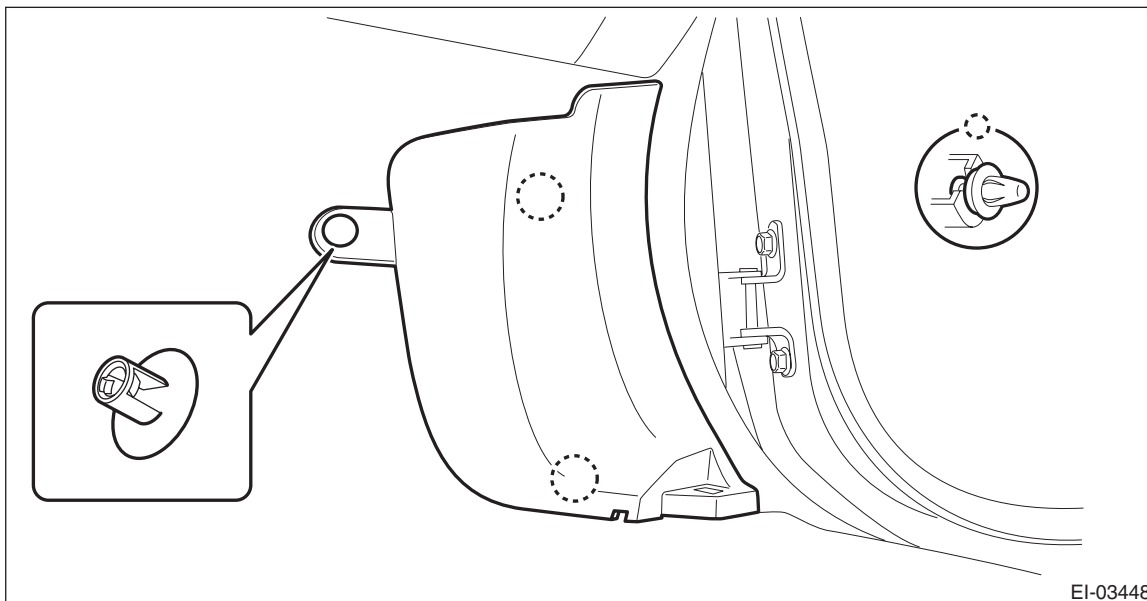
14) Release the claws, and then remove the cover side sill - front INN.

CAUTION:

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



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



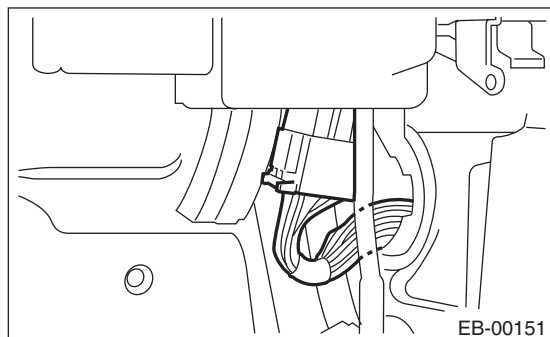
16) Disconnect the front door impact sensor harness connector. <Ref. to AB-21, FRONT DOOR IMPACT SENSOR (BETWEEN AIRBAG REAR HARNESS AND DOOR HARNESS), PROCEDURE, Airbag Connector.>

CAUTION:

Always refer to “CAUTION” of “General Description” in the “AIRBAG SYSTEM” before performing any service that handles the airbag connectors. <Ref. to AB-10, CAUTION, General Description.>

17) Disconnect the front door harness connectors.

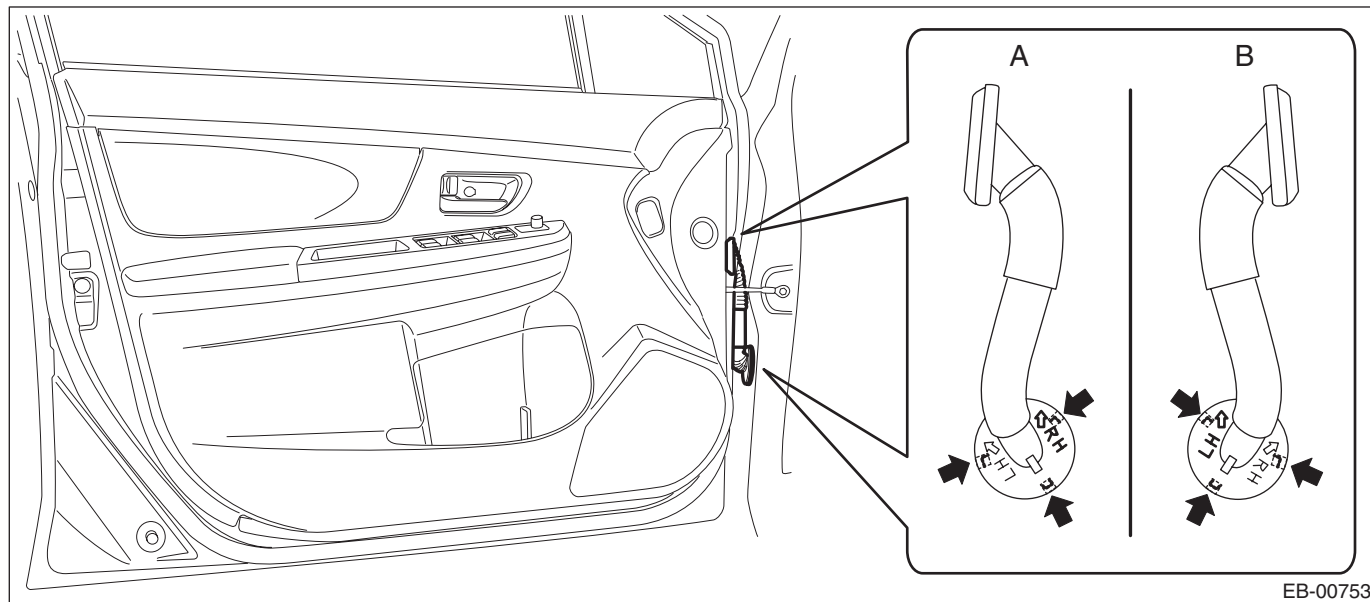
(1) Disconnect the connector of door harness from body harness.



Front Door

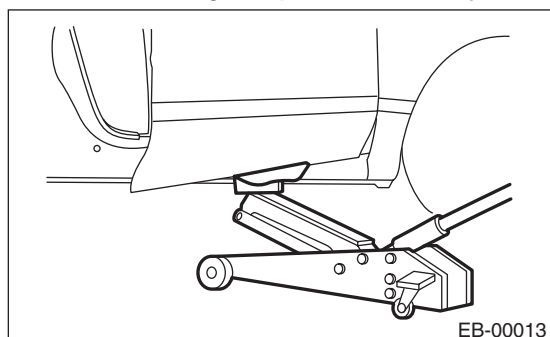
EXTERIOR BODY PANELS

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



A	Driver's side
B	Passenger's side

- 18) Before removing the panel assembly - front door, make the following preparations.



- (1) Put a wooden block on a floor jack and place the jack under the panel assembly - front door.
(2) Support the panel assembly - front door with the jack to protect it from damage.

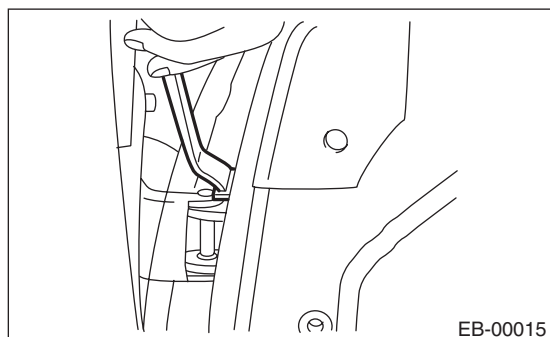
CAUTION:

Do not excessively lift the panel assembly - front door with the floor jack. The door hinges may be damaged.

- 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:

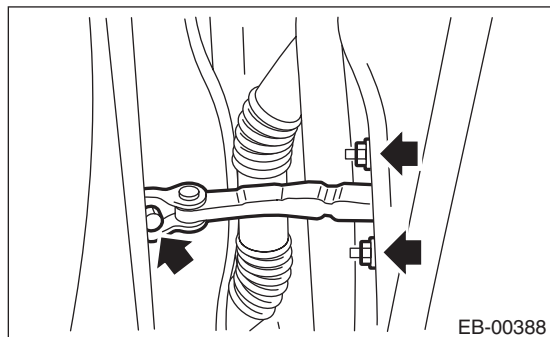
The panel assembly - front door is heavy. When removing and installing it, always work in a team of two or more persons.



20) Remove the door hinge from vehicle.

2. FRONT DOOR HINGE

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

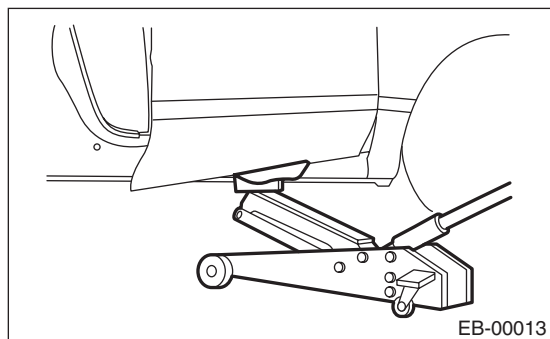


2) Before removing the door hinge, make the following preparations.

- (1) Put a wooden block on a floor jack and place the jack under the panel assembly - front door.
- (2) Support the panel assembly - front door with the jack to protect it from damage.

CAUTION:

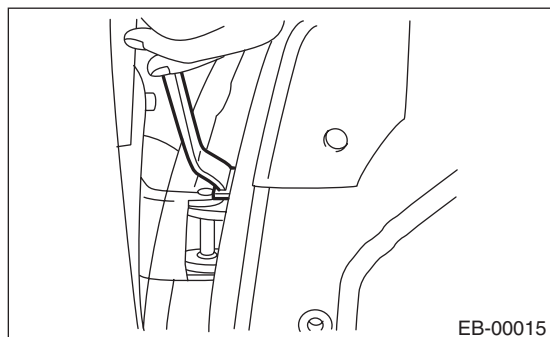
Do not excessively lift the panel assembly - front door with the floor jack. The door hinges may be damaged.



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

CAUTION:

Do not remove the upper hinge - front door and the lower hinge - front door at the same time.

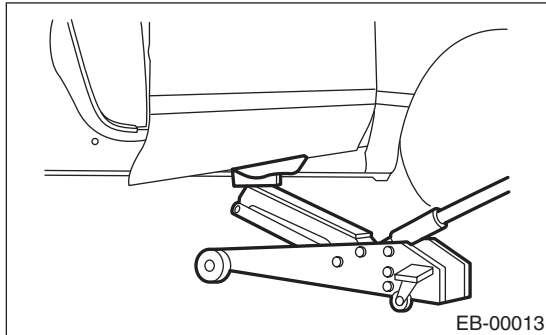


4) Remove the hinge - front door from the vehicle.

B: INSTALLATION

1. FRONT DOOR PANEL

- 1) Put a wooden block on a jack and place the panel assembly - front door on it.



- 2) Apply grease to the sliding area of door hinges, and install the door hinge to vehicle.
- 3) Adjust the height by the jack, 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.
- 4) Adjust the clearance around the panel assembly - front door. <Ref. to EB-31, ADJUSTMENT, Front Door.>
 - 5) 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-4, FRONT DOOR, COMPONENT, General Description.>

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

NOTE:

Before installation, check the following items.

- Remote cable is free from deformation such as fray.
 - Grease is applied sufficiently to remote cable joints.
- If grease is insufficient, add it as necessary before assembling the remote cable.
- 7) 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) Adjust the height by the jack, 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.

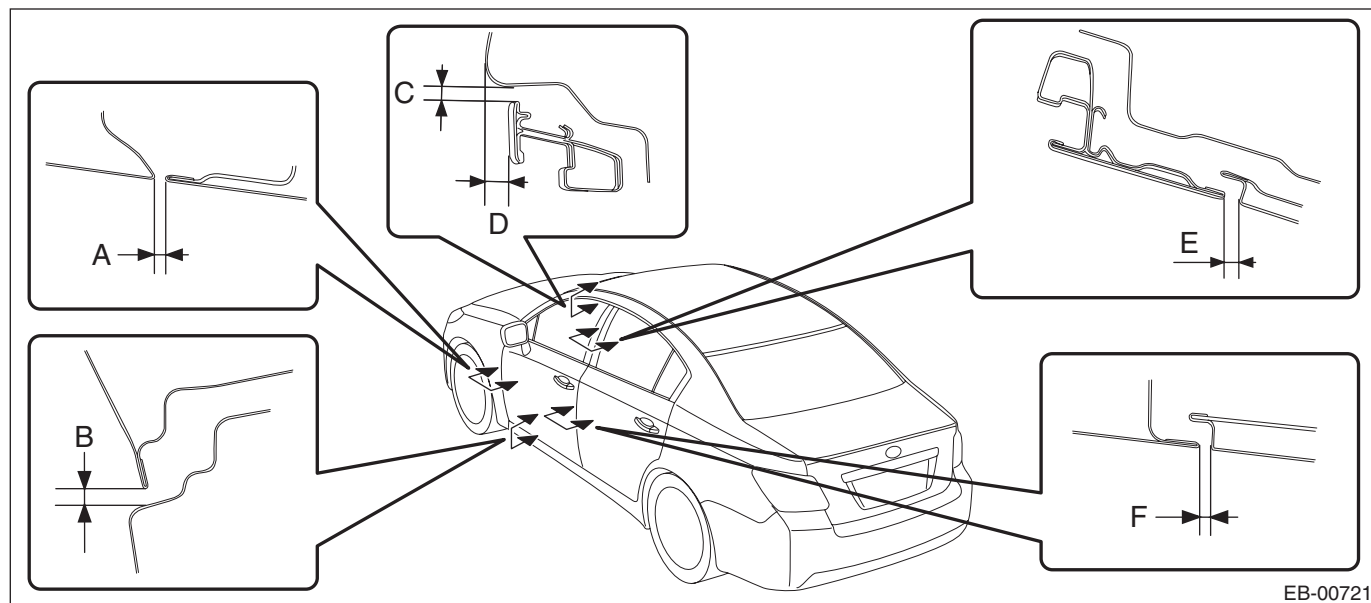
- 3) Adjust the clearance around the panel assembly - front door. <Ref. to EB-31, ADJUSTMENT, Front Door.>
- 4) Tighten the bolts and nuts of the door hinge and the checker assembly - front door.

Tightening torque:

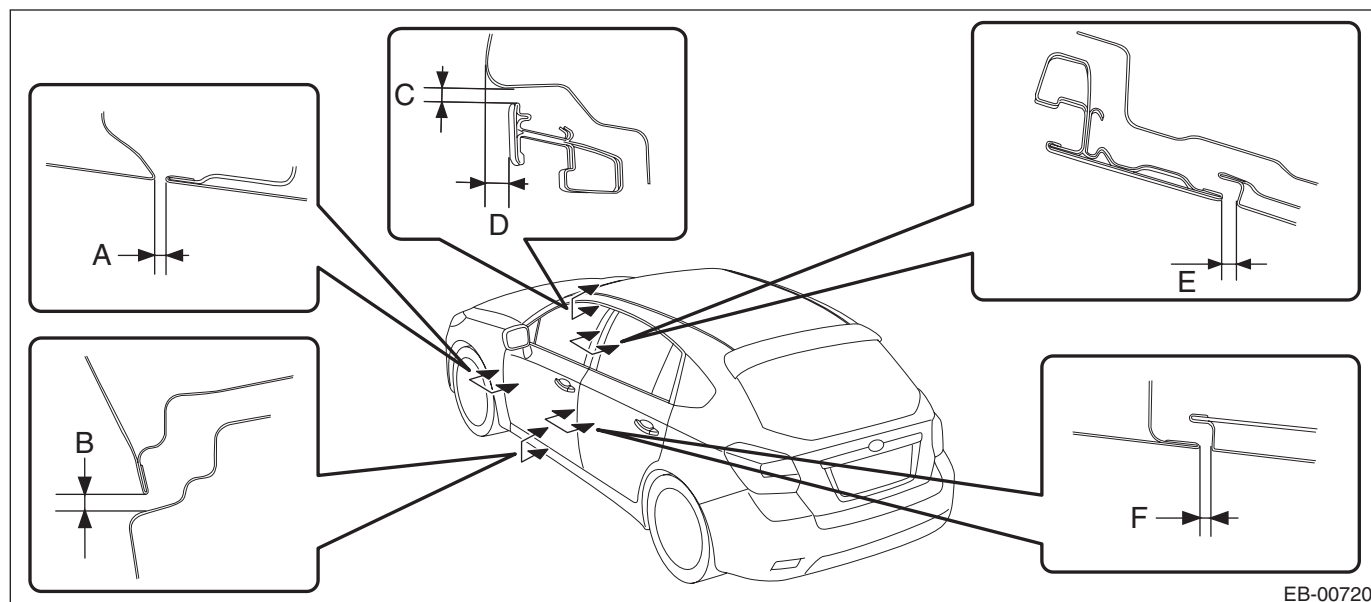
Refer to “COMPONENT” of “General Description”. <Ref. to EB-4, FRONT DOOR, COMPONENT, General Description.>

C: ADJUSTMENT

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



EB-00721



EB-00720

Part		Standard
A	Fender COMPL - front to Panel assembly - front door	4.5±1.0 mm (0.18±0.04 in)
B	Panel assembly - front door to Side sill	6.0+1.5, -1.0 mm (0.24+0.06, -0.04 in)
C	Roof panel to Front door sash	5.1+1.5, -1.0 mm (0.20+0.06, -0.04 in)
D	Surface level gap between roof panel and front door sash	7±1.5 mm (0.28±0.06 in)
E	Front door sash to Rear door sash	5.5+1.5, -1.0 mm (0.22+0.06, -0.04 in)
F	Panel assembly - front door to Panel assembly - rear door	4.5±1.0 mm (0.18±0.04 in)

NOTE:

Common to 4 door model and 5 door model/XV model

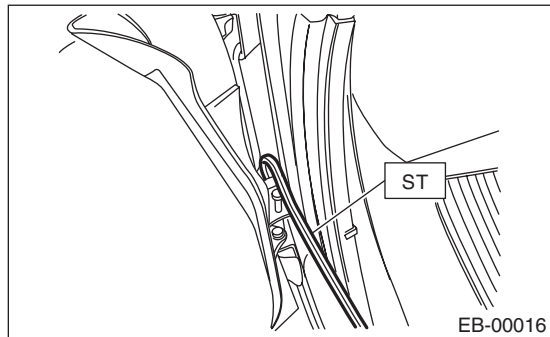
Front Door

EXTERIOR BODY PANELS

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

Preparation tool:

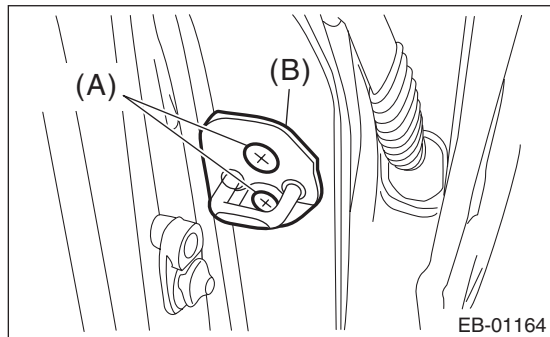
ST: WRENCH (925610000)



- (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.