

## 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.>

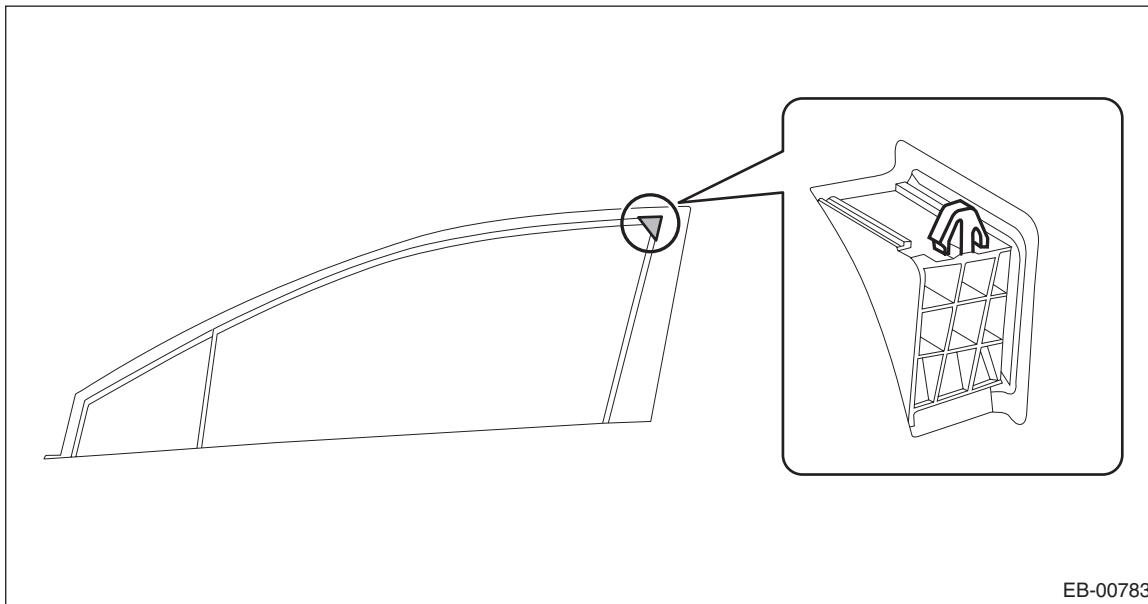
**NOTE:**

For models other than STI model, disconnect the ground terminal from battery sensor.

- 2) Remove the trim panel - front door. <Ref. to EI-56, FRONT DOOR, REMOVAL, Door Trim.>
- 3) Remove the sealing cover - front door. <Ref. to EB-32, REMOVAL, Front Sealing Cover.>
- 4) Remove the outer mirror assembly. <Ref. to GW-26, REMOVAL, Outer Mirror Assembly.>
- 5) Remove the front door speaker assembly. <Ref. to ET-10, DOOR SPEAKER, REMOVAL, Front Speaker.>
- 6) Remove the cover B pillar - front door INN.

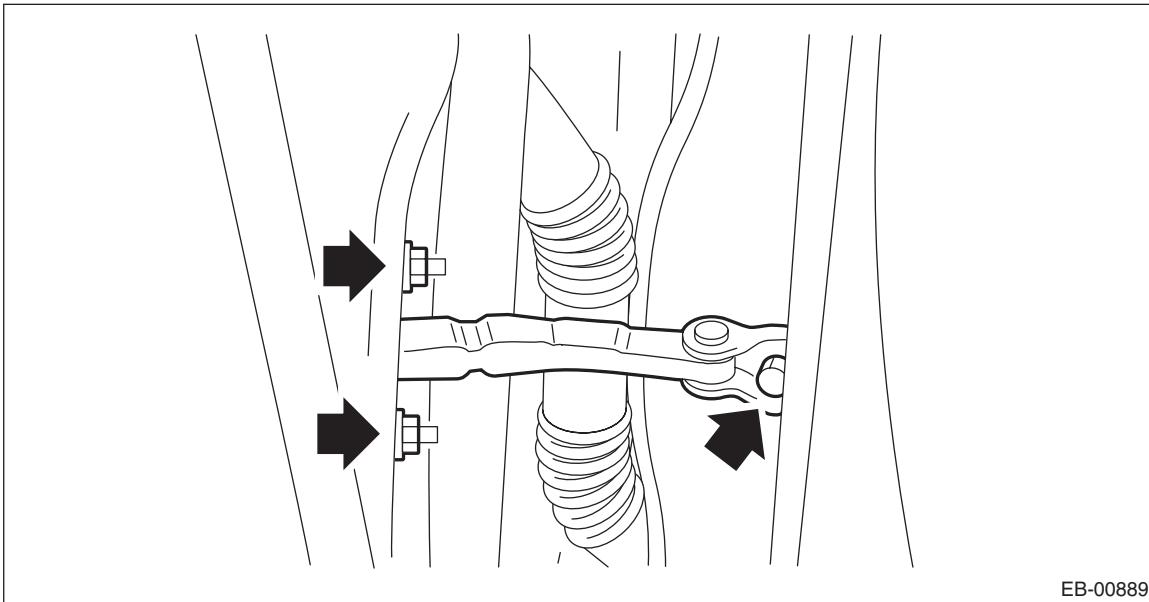
**CAUTION:**

**Always replace with a new part, because engagement of the claw weakens.**



- 7) Remove the front door impact sensor assembly. <Ref. to AB-52, REMOVAL, Front Door Impact Sensor.>
- 8) Remove the glass assembly - front door and the glass - front door partition. <Ref. to GW-19, REMOVAL, Front Door Glass.>
- 9) Remove the regulator & motor assembly - front of the front door. <Ref. to GW-23, REMOVAL, Front Regulator and Motor Assembly.>
- 10) Remove the latch and actuator assembly - front. <Ref. to SL-37, REMOVAL, Front Door Latch and Door Lock Actuator Assembly.>
- 11) Remove the handle - door outer. <Ref. to SL-33, REMOVAL, Front Outer Handle.>
- 12) Remove the weather strip - front door. <Ref. to EB-58, REPLACEMENT, Weather Strip.>

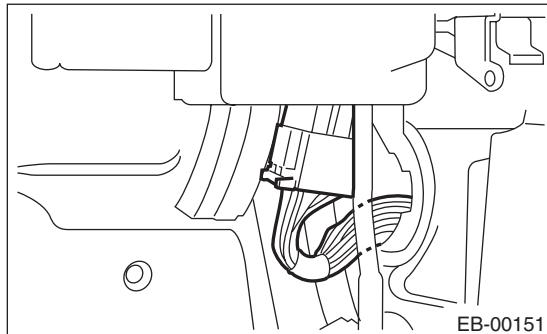
13) Remove the bolts and nuts, and then detach the checker assembly - front door.



EB-00889

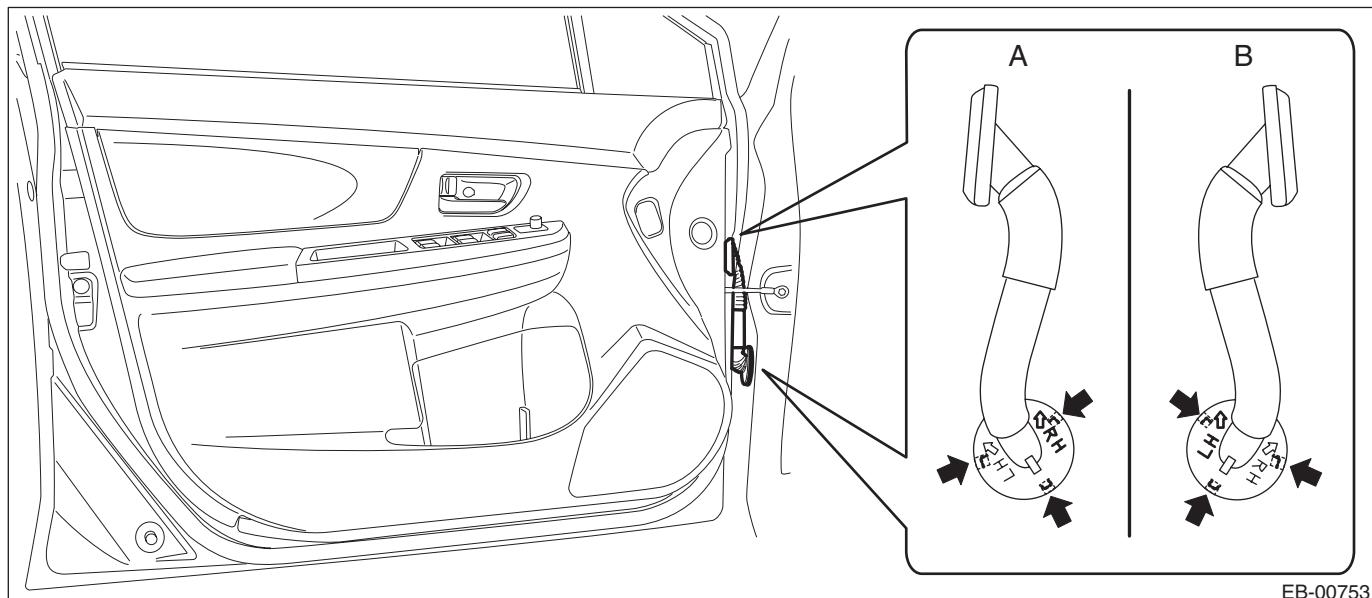
14) Remove the cover side sill - front INN and cover side sill - front. <Ref. to EI-81, REMOVAL, Lower Inner Trim.>  
15) Disconnect the front door harness connectors.

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



EB-00151

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



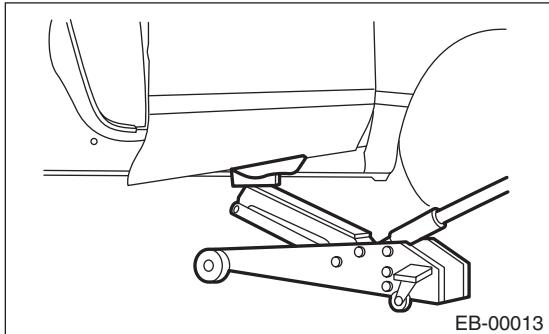
EB-00753

A	Driver's side
B	Passenger's side

## Front Door

### EXTERIOR BODY PANELS

16) 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.**

17) Remove the bolts on the side of the panel assembly - front door of 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.**

## 2. FRONT DOOR HINGE

- 1) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work. <Ref. to NT-5, BATTERY, NOTE, Note.>

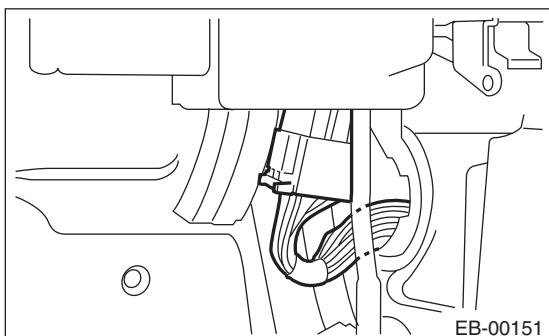
**NOTE:**

For models other than STI model, disconnect the ground terminal from battery sensor.

- 2) Remove the cover side sill - front INN and cover side sill - front. <Ref. to EI-81, REMOVAL, Lower Inner Trim.>

- 3) Disconnect the front door harness connectors.

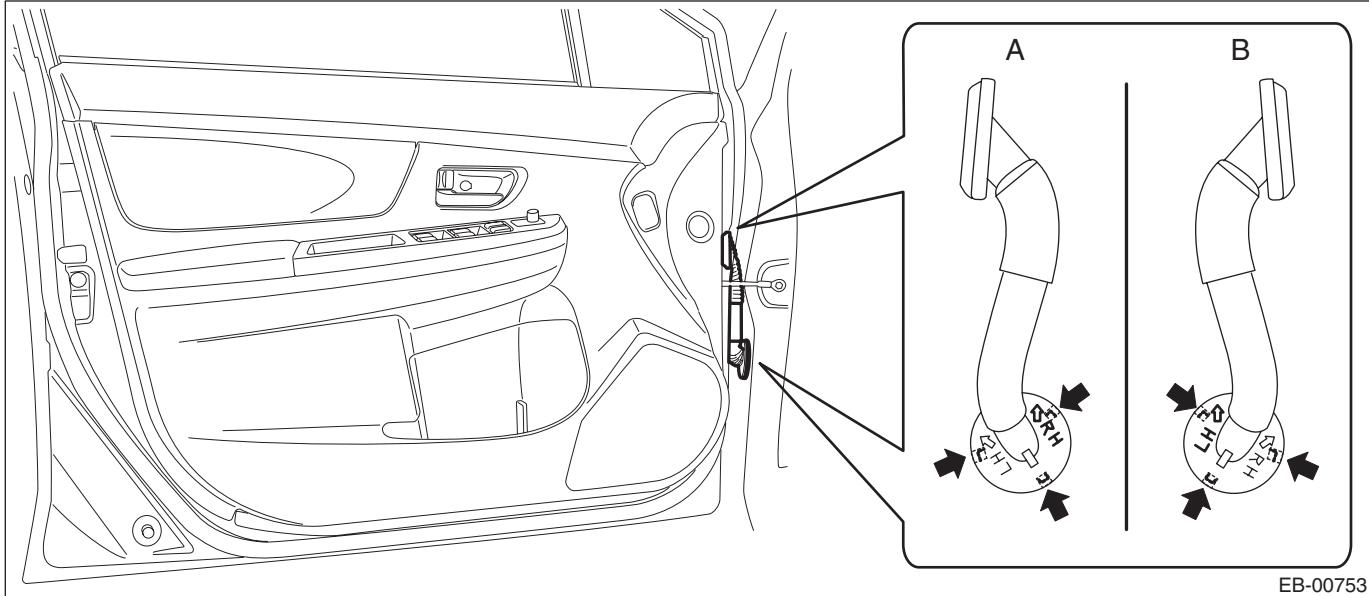
- (1) Disconnect the connector of door harness from body harness.



# Front Door

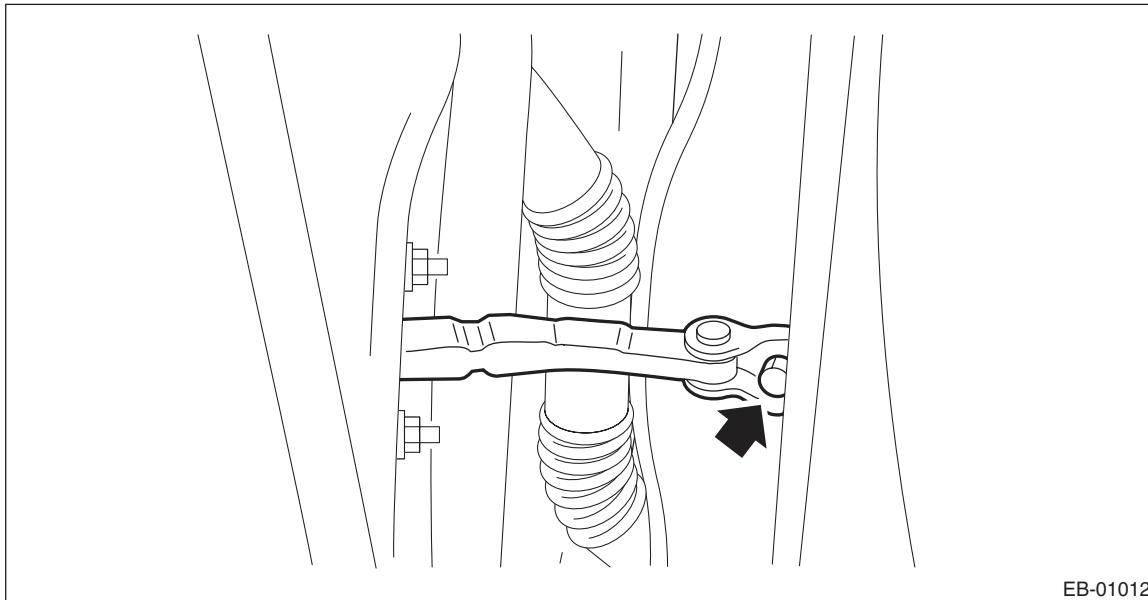
## EXTERIOR BODY PANELS

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



A	Driver's side
B	Passenger's side

4) Remove the bolts on the vehicle side to disconnect the checker assembly - front door.



## Front Door

### EXTERIOR BODY PANELS

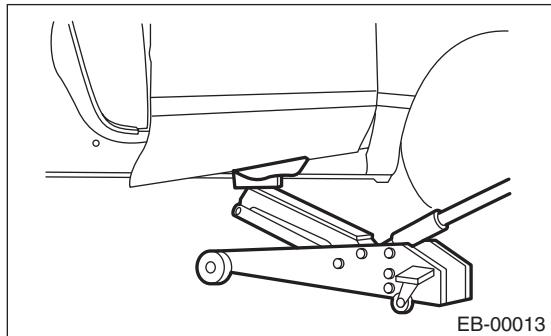
5) Before removing the door hinge, make the following preparations.

#### CAUTION:

- The panel assembly - front door is heavy. When removing and installing it, always work in a team of two or more persons.
- Do not excessively lift the panel assembly - front door with the floor jack. The door hinges may be damaged.

(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.



6) Remove the bolts on the side of the panel assembly - front door of the upper hinge - front door or the lower hinge - front door.

#### CAUTION:

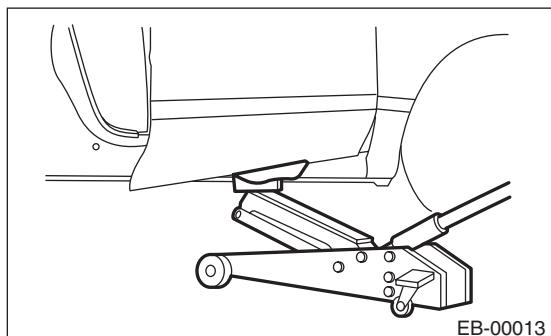
Do not remove the upper hinge - front door and the lower hinge - front door at the same time.

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

## B: INSTALLATION

### 1. FRONT DOOR PANEL

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



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.

- 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-30, ADJUSTMENT, Front Door.>

4) Tighten the mounting bolts of the panel assembly - front door to the specified torque.

#### ***Tightening torque:***

***25 N·m (2.5 kgf·m, 18.4 ft-lb)***

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

#### ***Tightening torque:***

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

- 6) Connect door harness connector, and install the cover side sill - front. <Ref. to EI-84, INSTALLATION, Lower Inner Trim.>
- 7) Install door internal parts in the reverse order of removal.
  - Weather strip - front door
  - Handle - door outer

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- Latch & actuator ASSY - front

***Tightening torque:***

**6.5 N·m (0.7 kgf-m, 4.8 ft-lb)**

- Regulator & motor assembly - front for the front door

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- Glass assembly - front door, and glass - front door partition

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- 8) Install the airbag door sensor.

**CAUTION:**

**Do not reuse the bolt and nut.**

**Always replace with the specified new bolts and nuts.**

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- 9) Install the cover B pillar - front door INN.

**CAUTION:**

**Always replace with a new part, because engagement of the claw weakens.**

- 10) Install the front door speaker assembly.

- 11) Install the outer mirror assembly.

***Tightening torque:***

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

- 12) Install the sealing cover. <Ref. to EB-32, INSTALLATION, Front Sealing Cover.>

- 13) Install the trim panel - front door. <Ref. to EI-58, INSTALLATION, Door Trim.>

- 14) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

**NOTE:**

For models other than STI model, connect the ground terminal to battery sensor.

# Front Door

## EXTERIOR BODY PANELS

### 2. FRONT DOOR HINGE

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

#### **Tightening torque:**

**30 N·m (3.1 kgf·m, 22.1 ft-lb)**

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-30, ADJUSTMENT, Front Door.>

4) Tighten the bolts of the panel assembly - front door to the specified torque.

#### **Tightening torque:**

**25 N·m (2.5 kgf·m, 18.4 ft-lb)**

5) Connect door harness connector, and install the cover side sill - front. <Ref. to EI-84, INSTALLATION, Lower Inner Trim.>

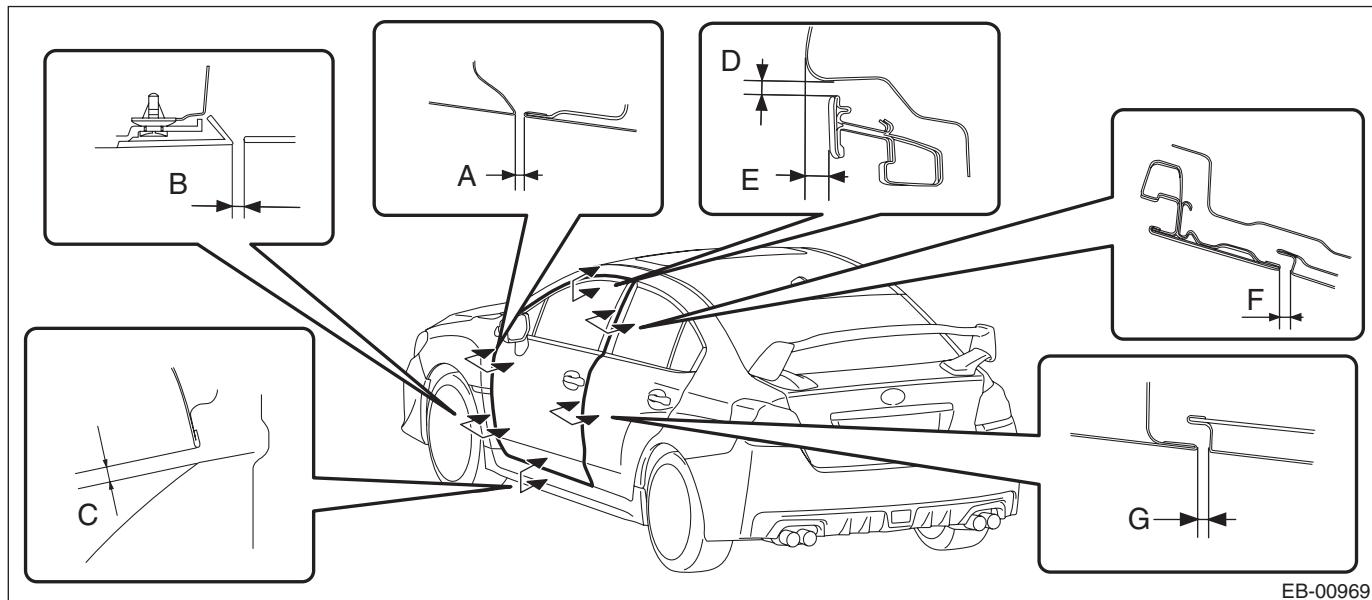
6) Tighten the bolts on the vehicle side of the checker assembly - front door.

#### **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.

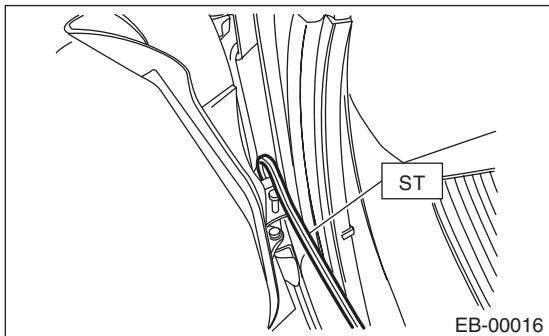


Part	Standard
A Fender COMPL - front to Panel assembly - front door	$4.5 \pm 1.0 \text{ mm (} 0.18 \pm 0.04 \text{ in)}$
B Panel assembly - front door to Garnish assembly - fender	$4.5 \pm 1.0 \text{ mm (} 0.18 \pm 0.04 \text{ in)}$
C Panel assembly - front door to Spoiler assembly - side	$6.0 +1.5, -1.0 \text{ mm (} 0.24 +0.06, -0.04 \text{ in)}$
D Panel - side outer to Front door sash	$5.1 +1.5, -1.0 \text{ mm (} 0.20 +0.06, -0.04 \text{ in)}$
E Surface level gap between Panel - side outer to Front door sash	$7 \pm 1.5 \text{ mm (} 0.28 \pm 0.06 \text{ in)}$
F Front door sash to Rear door sash	$5.5 +1.5, -1.0 \text{ mm (} 0.22 +0.06, -0.04 \text{ in)}$
G Panel assembly - front door to Panel assembly - rear door	$4.5 \pm 1.0 \text{ mm (} 0.18 \pm 0.04 \text{ in)}$

- 1) Adjust the vertical and horizontal positions of the panel assembly - front door.  
(1) Using ST, loosen the bolts on vehicle side of the upper hinge - front door.

**Preparation tool:**

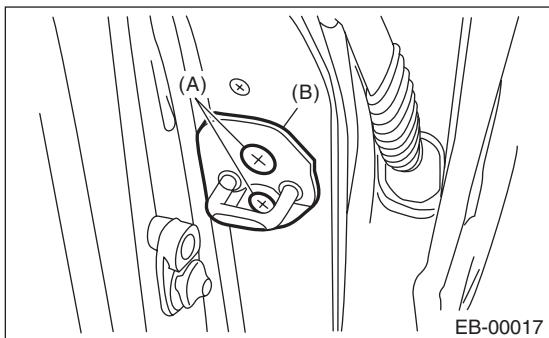
**ST: WRENCH (925610000)**



- (2) Turn over the mud guard, and loosen the bolts on vehicle side of the lower hinge - front door.  
(3) 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.