

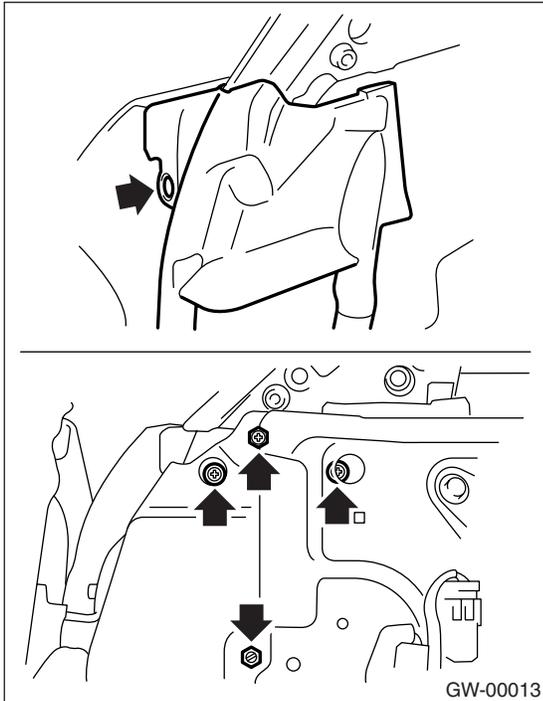
# FRONT DOOR GLASS

GLASS/WINDOWS/MIRRORS

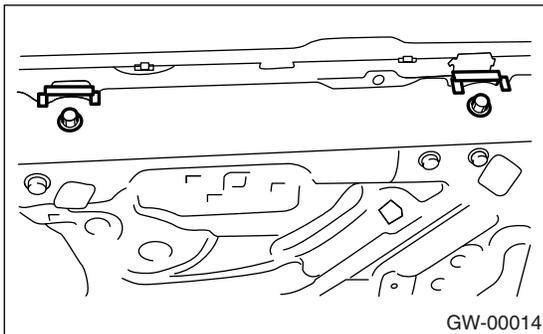
## 9. Front Door Glass

### A: REMOVAL

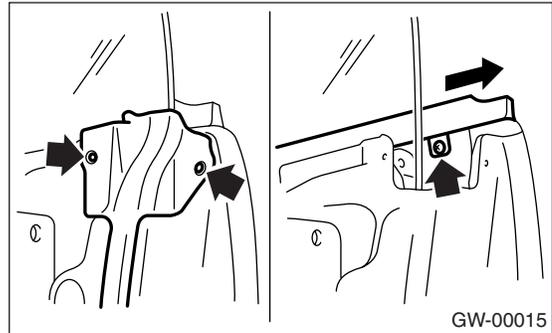
- 1) Remove the front door trim. <Ref. to EI-32, REMOVAL, Front Door Trim.>
- 2) Remove the front speaker. <Ref. to ET-7, INSTALLATION, Front Speaker.>
- 3) Remove the sealing cover. <Ref. to EB-13, REMOVAL, Front Sealing Cover.>
- 4) Remove the outer mirror assembly. <Ref. to GW-11, REMOVAL, Outer Mirror Assembly.>
- 5) Remove the front end of door weatherstrip and gusset.



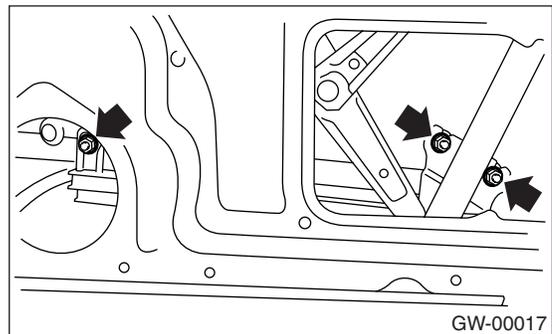
- 6) Remove the stabilizers.



- 7) Remove the rear end of door weatherstrip and weatherstrip outer.



- 8) Operate the power window switch to move the glass to position shown in the figure, and then remove the two nuts from service holes.



- 9) Take out the door glass.

#### NOTE:

- Do not turn the regulator in closing direction after removal of the glass. Otherwise gear may be disengaged.
- Avoid impact and damage to the glass.

## B: INSTALLATION

1) Install in the reverse order of removal.

### CAUTION:

**Make sure that the glass stay is placed securely in sash.**

2) Adjust the front door glass. <Ref. to GW-17, ADJUSTMENT, Front Door Glass.>

### Tightening torque:

Refer to **COMPONENT** in *General Description*. <Ref. to GW-3, **FRONT DOOR GLASS, COMPONENT, General Description.**> and <Ref. to GW-2, **FIXED GLASS, COMPONENT, General Description.**>

## C: ADJUSTMENT

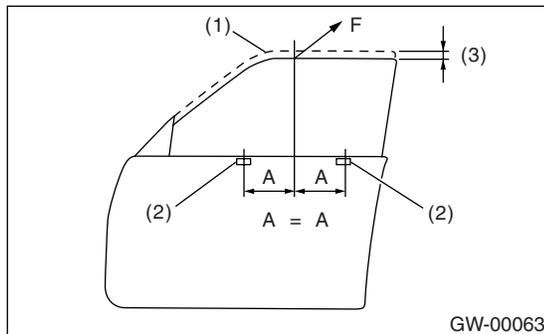
### NOTE:

Before adjustment, ensure that all adjusting bolts of stabilizer, upper stopper, and sash are loose and door glass is raised so that it is in contact with weatherstrip.

1) Temporarily tighten one adjusting bolt on one side of rear sash at the midpoint of slotted hole in the inner panel.

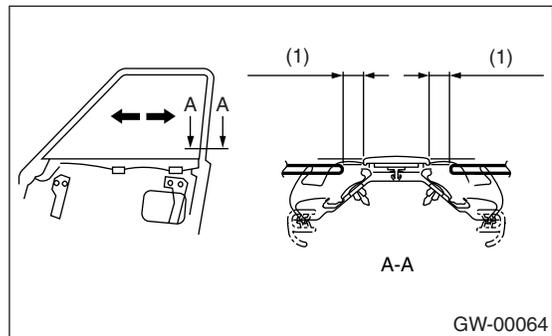
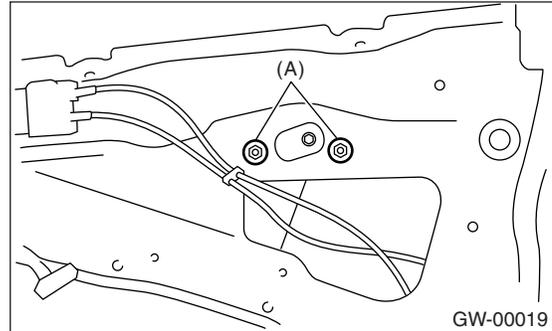
2) Temporarily tighten the regulator B-channel in a position at the top of slotted hole.

3) Lower the door glass 10 to 15 mm (0.39 to 0.59 in) from fully closed position. While applying outward pressure of  $45.0 \pm 5$  N ( $4.6 \pm 0.5$  kg,  $11.0 \pm 1.1$  lb) (F) to upper edge of glass above midpoint of two outer stabilizers, press the inner stabilizer at pressure of  $25 \pm 5$  N ( $2.5 \pm 0.5$  kg,  $5.5 \pm 1.1$  lb) to the glass, then secure it.



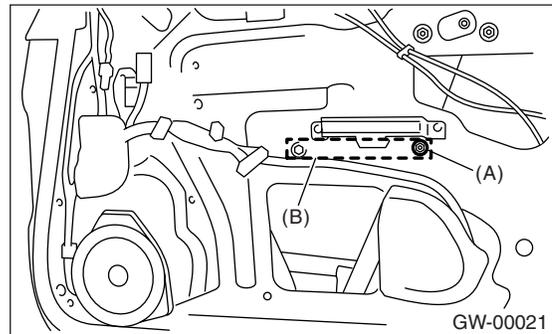
- (1) Full close
- (2) Stabilizer
- (3) 10 — 15 mm (0.39 — 0.59 in)

4) For adjustment of clearance between front glass and center pillar cover, loosen the nuts (A), and move the rear sash back and forward until clearance becomes the value shown. (Clearance between upper side and lower side is within 1.5 mm (0.059 in).)



- (1)  $12 \pm 1$  mm ( $0.472 \pm 0.039$  in)

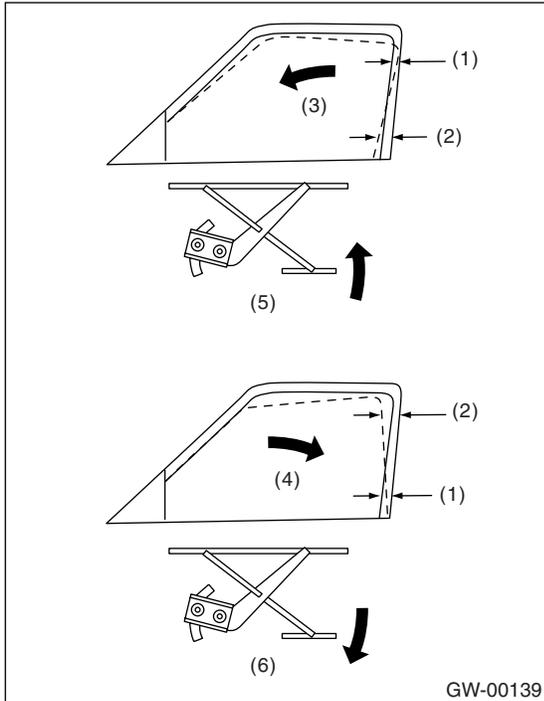
5) For adjustment of upper and lower ends of center pillar, loosen the adjusting nut (A) of B-channel (B).



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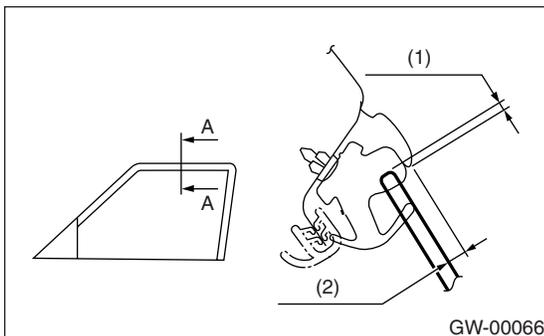
## GLASS/WINDOWS/MIRRORS

6) Adjust so that the upper and lower ends of center pillar are the same size.



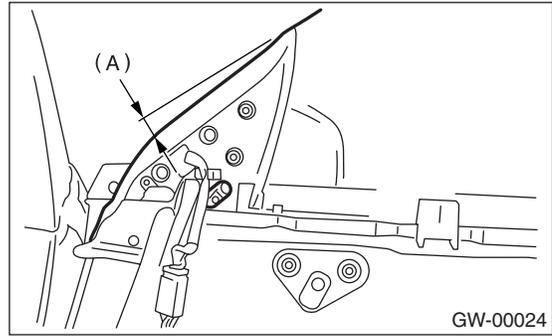
- (1) Narrow
- (2) Wide
- (3) Glass tilts too far rearward
- (4) Glass tilts too far forward
- (5) Raise B channel
- (6) Lower B channel

7) For glass stroke adjustment, close the door, raise glass until positional relationship between glass and weatherstrip becomes as shown. And secure the glass so that the upper stopper lightly touches the glass holder.



- (1)  $3.5 \pm 0.8$  mm (0.137  $\pm$  0.031 in)
- (2)  $9.5 \pm 1$  mm (0.374  $\pm$  0.039 in)

For preventing wind noise, adjust the glass at the position where tip of gusset is raised up a little.



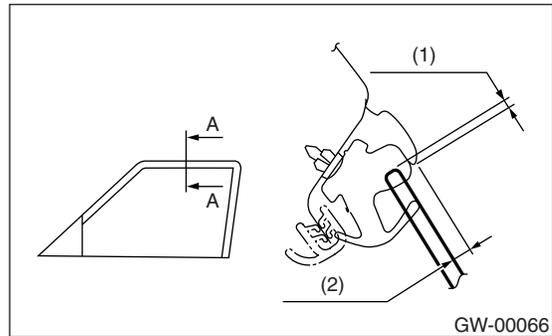
- (A) 0 — 1.5 mm (0 — 0.059 in)

8) After stabilizer adjustment, carry out the glass crimp adjustment. First, visually ensure positional relationship between retainer & molding and glass of the roof side, and then begin with rear sash adjustment. Adjust two adjusting bolts alternately step by step to obtain dimensions shown below (cross-section A).

**NOTE:**

If two nuts are loosened at the same time, sash moves back and forth. Therefore, when one nut is adjusted, secure the other.

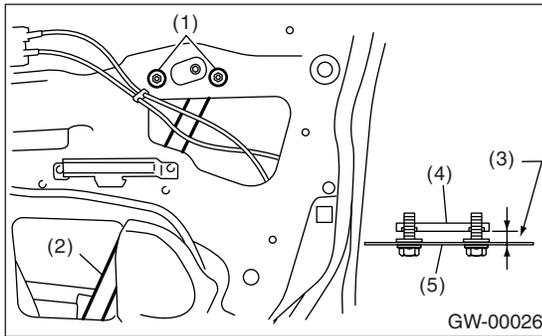
9) Make the same adjustment of two adjusting bolts of rear sash.



- (1)  $3.5 \pm 0.8$  mm (0.137  $\pm$  0.031 in)
- (2)  $9.5 \pm 1$  mm (0.374  $\pm$  0.039 in)

**NOTE:**

Do not tilt the sash bracket to inner panel during adjustment. Otherwise smooth regulator operation cannot be achieved.



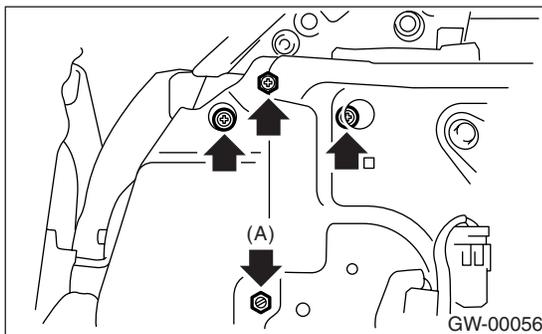
- (1) Sash bracket
- (2) Rear sash
- (3) Adjust a line parallel
- (4) Rear sash
- (5) Inner panel

10) Make adjustment of front sash in the same manner as that of rear sash.

**NOTE:**

Although front and rear sashes must, as a rule, be adjusted in the same manner, in some door installation, the adjustment in a different manner may be required. However, adjustment of one sash to the maximum amount and the other to the minimum amount is not permitted. Such adjustment may result in application of excessive load to regulator.

- 11) After adjustments, tighten the nuts.
- 12) After adjustment to glass, close the door. If there is a gap between outer lip of gusset and glass surface, adjust the gap with adjusting nut (A) in lower fitting part of the gusset to prevent generation of wind noise.
- 13) During adjustments, loosen the other three clamping screws.



14) After adjustment, tighten the bolts and nuts.