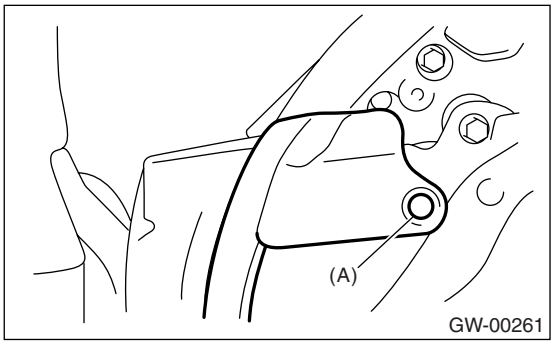
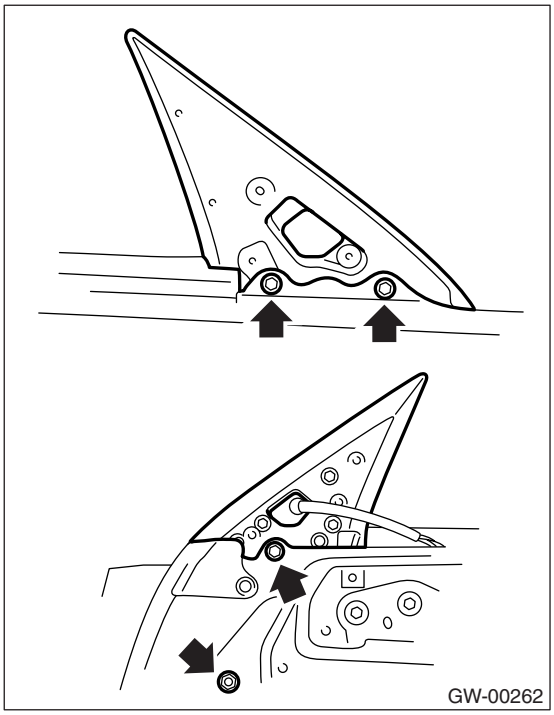
4. Front Door Glass

A: REMOVAL

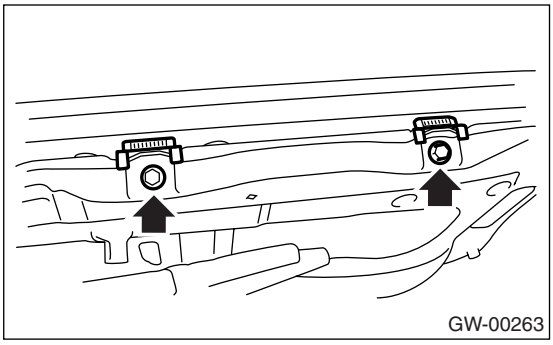
1) Remove the front door trim. <Ref. to EI-48, REMOVAL, Door Trim.>
2) Remove the sealing cover. <Ref. to EB-20, REMOVAL, Front Sealing Cover.>
3) Remove the outer mirror assembly. <Ref. to GW-19, REMOVAL, Outer Mirror Assembly.>
4) Remove the clip (A), and remove the front end of weather strip.



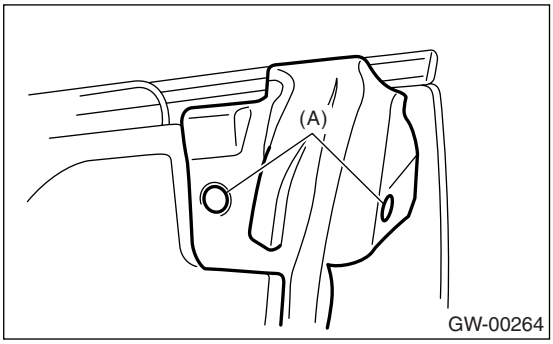
5) Remove the gusset.



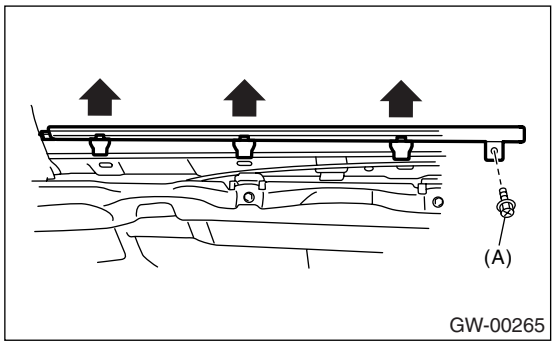
6) Remove the stabilizer.



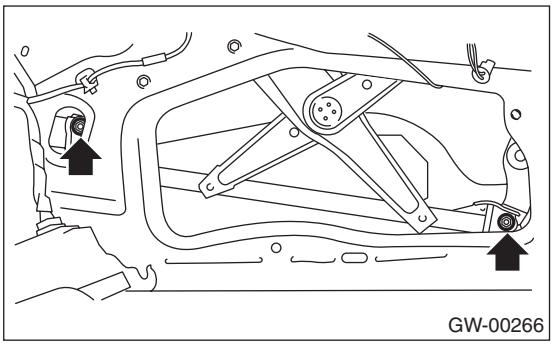
7) Remove the clips (A), and remove the rear end of weather strip.



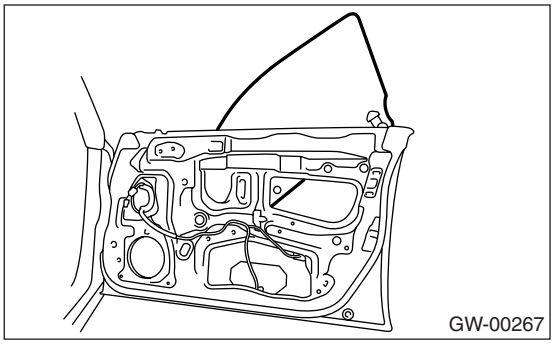
8) Remove the screw (A) from the rear end of weather strip outer to remove weather strip outer.



9) Remove the screws to remove guide assembly.
10) Operate the power window switch to move glass to position shown in the figure, and then remove the two nuts through service holes.



11) Remove the door glass.



CAUTION:
• Since the gear may be disengaged, do not turn regulator in the closing direction after removal of the glass.
• Avoid impact and damage to the glass.

B: INSTALLATION

1) Install in the reverse order of removal.

CAUTION:
Make sure that glass stay is placed securely in sash.

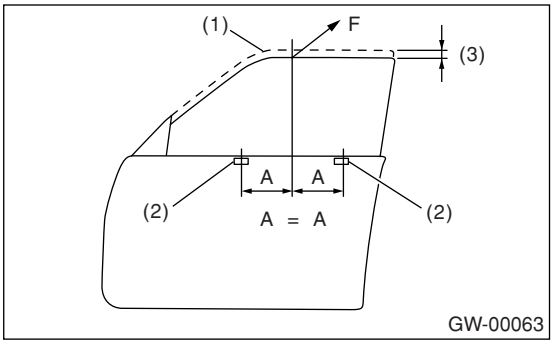
2) Adjust the front door glass. <Ref. to GW-12, ADJUSTMENT, Front Door Glass.>

Tightening torque:
Refer to "COMPONENT" of "General Description". <Ref. to GW-4, FRONT DOOR GLASS, COMPONENT, General Description.>

C: ADJUSTMENT

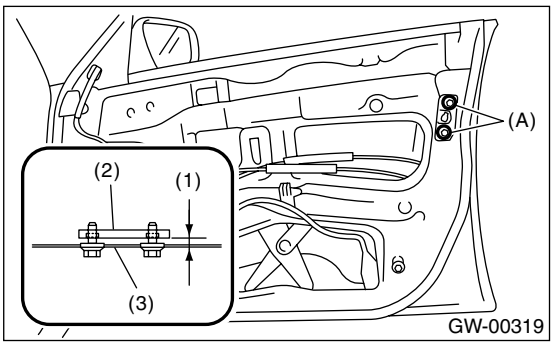
NOTE:
Before adjustment, ensure that all adjusting bolts of stabilizer, upper stopper and sash are loose and door glass is raised so that it is in contact with weather strip.

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 — 15 mm (0.39 — 0.59 in) from fully closed position. While applying outward pressure of 45.0±5.0 N (4.5±0.5 kgf, 9.9±1.1 lb) (F) to upper edge of glass above midpoint of two outer stabilizers, press the inner stabilizer at pressure of 25±5 N (2.5±0.5 kgf, 5.5±1.1 lb) to the glass, then secure it.

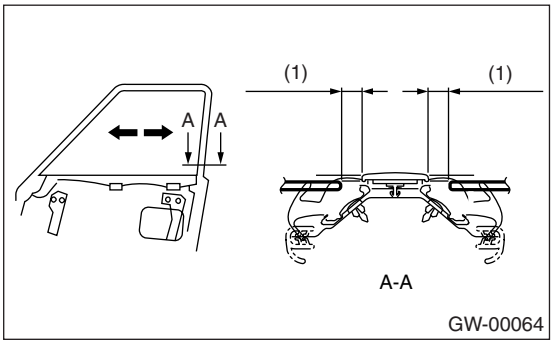


(1) Fully closed position
(2) Stabilizer
(3) 10 — 15 mm (0.39 — 0.59 in)

4) For adjustment of clearance between front glass and center pillar cover, loosen the nuts (A), and move the glass sash back and forward until clearance becomes the value shown.

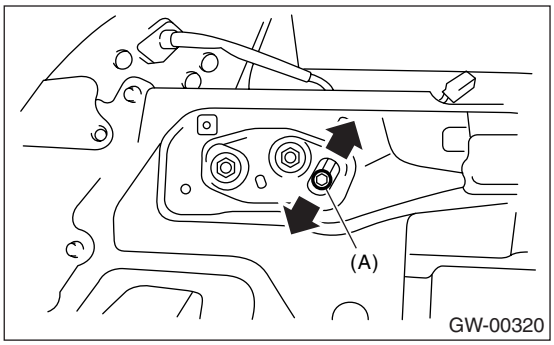


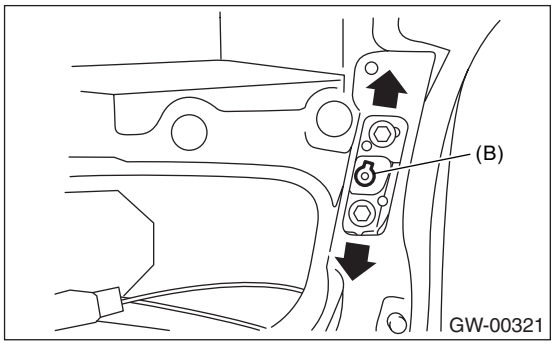
(1) Adjust a line parallel
(2) Sash
(3) Inner panel



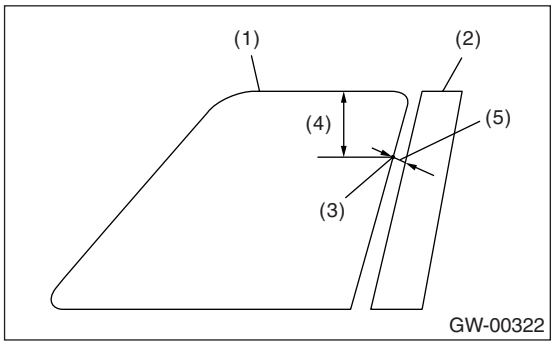
(1) 11 mm (0.433 in)

5) To adjust the upper end and lower end of center pillar, loosen the stopper bolt (A) or nut (B) securing door sash, move the stopper position until the clearance between center pillar cover is equal.



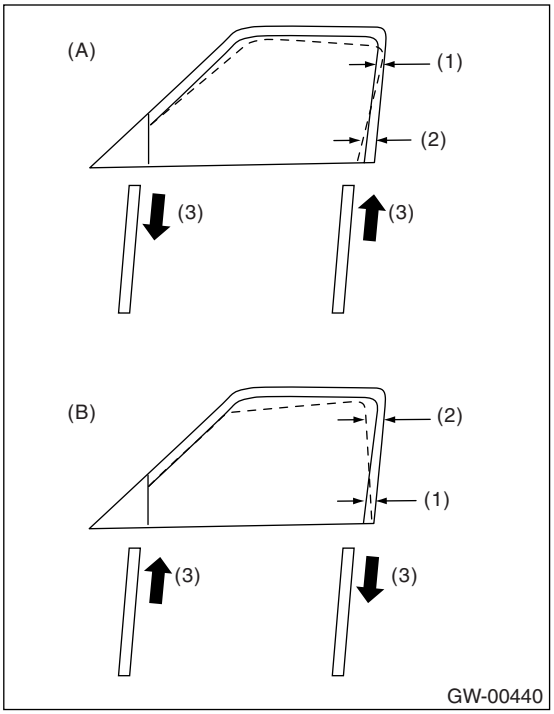


CAUTION:
Perform the measurement of clearance between center pillar at less than 50 mm (1.969 in) from upper end of window glass.



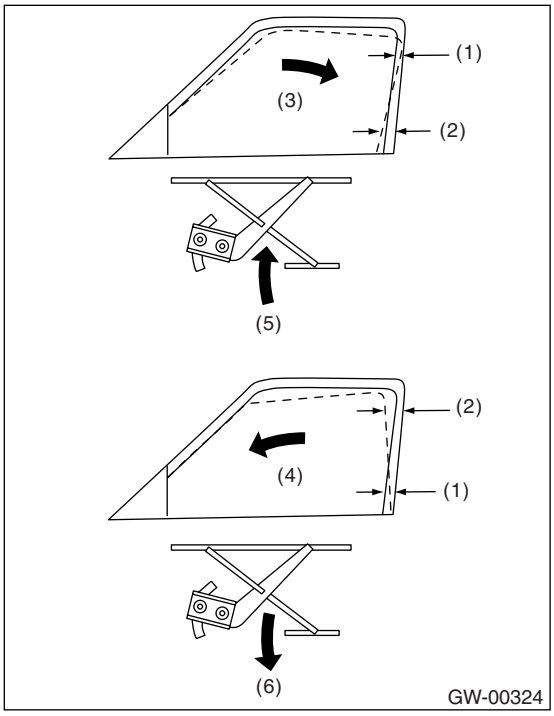
(1) Glass
(2) Center pillar cover
(3) Check point
(4) 50 mm (1.969 in)
(5) 11 mm (0.433 in)

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) Stopper adjusting direction

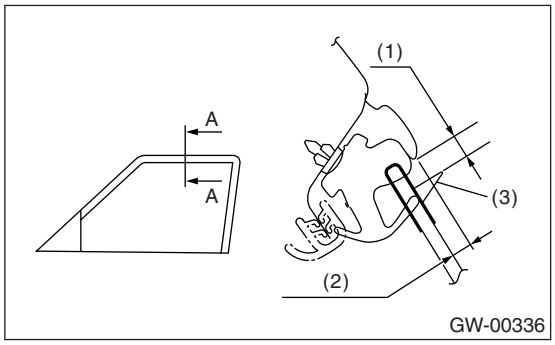
7) After adjusting the clearance between center pillar, up and down the glass several times to check glass contact to stopper when glass is fully closed. Adjust it to contact the front and rear stopper simultaneously.



(1) Narrow
(2) Wide
(3) When the stopper of door sash (front) contacts first
(4) When the stopper of door sash (rear) contacts first
(5) Raise B channel
(6) Lower B channel

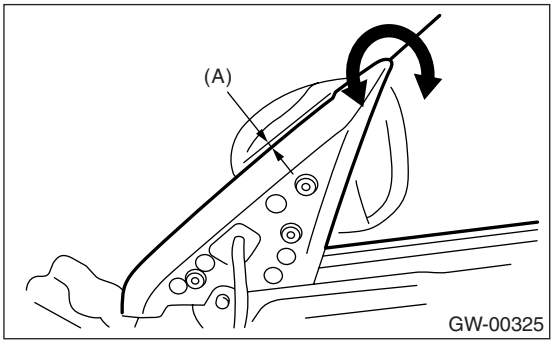
8) For glass stroke adjustment, install the ST to glass, close the door, and raise the glass with regulator until positional relationship between glass and weather strip becomes as shown. And secure the glass so that the upper stopper correctly touches the glass holder.

ST 61299AE000 SPACER (Glass thickness: 5 mm (0.197 in) for front door glass)



(1) 3.2 — 4.8 mm (0.126 — 0.189 in)
(2) When reusing weather strip: 5.5 mm (0.217 in)
When replacing weather strip: 3.0 mm (0.118 in)
(3) ST

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



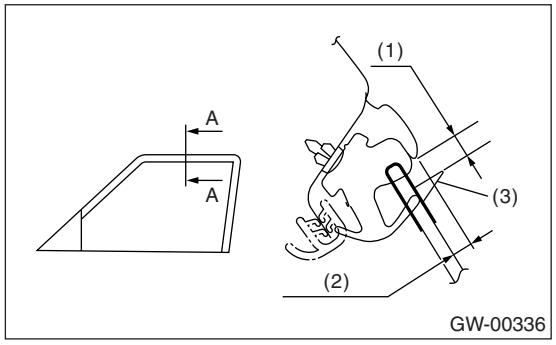
(A) 0 — 1.5 mm (0 — 0.059 in)

9) After stabilizer adjustment, carry out the glass cohesion adjustment. First, visually ensure the positional relationship between retainer & molding and glass of the roof side, and then begin with rear sash adjustment. Install the ST to glass and 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, the sash moves back and forth. Therefore, when one nut is adjusted, secure the other.

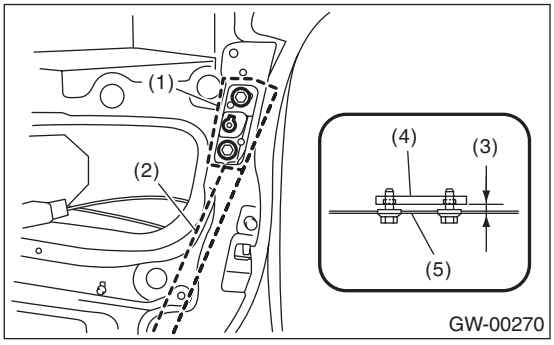
10) Make the same adjustment of two adjusting bolts of rear sash.

ST 61299AE000 SPACER (Glass thickness: 5 mm (0.197 in) for front door glass)



(1) 3.2 — 4.8 mm (0.126 — 0.189 in)
(2) When reusing weather strip: 5.5 mm (0.217 in)
When replacing weather strip: 3.0 mm (0.118 in)
(3) ST

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) Sash
(5) Inner panel

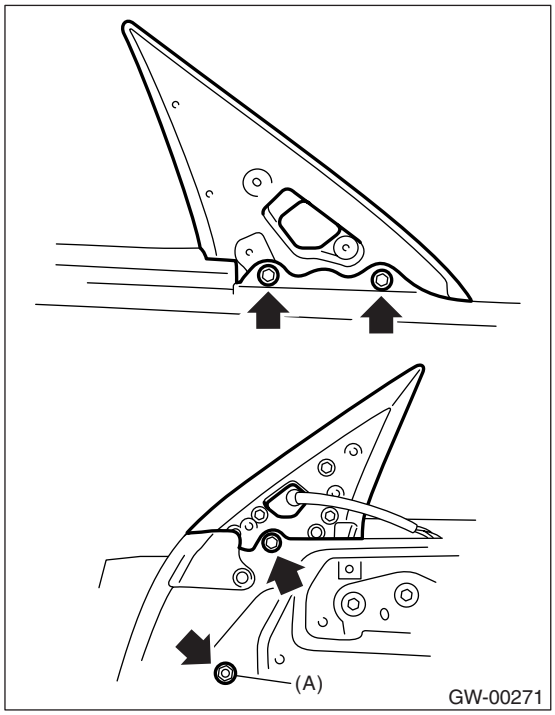
11) Make adjustment of front sash in the same manner as that of rear sash.

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.

12) After adjustments, tighten the nuts.

13) After adjustment of the glass, close the door. If there is a gap between outer lip of gusset and glass surface, adjust the gap with adjusting bolt (A) in lower fitting part of gusset to prevent generation of wind noise.

14) During adjustment, loosen the other three clamping bolts.



15) After adjustment, tighten the bolts and nuts.