

8. Front Washer Nozzle

A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove the front wiper arm assembly.

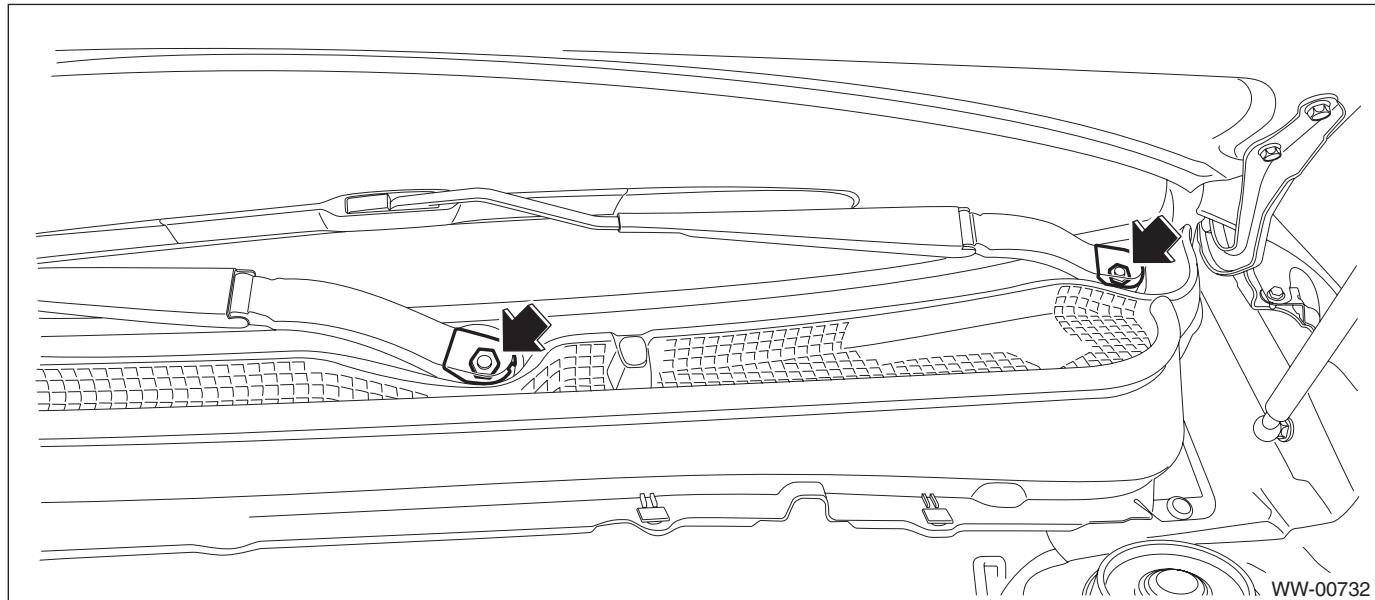
CAUTION:

Follow the steps below when standing up the wiper arm. Not following the steps may cause contacting of wiper arms and damages of wiper arms.

1. Stand up the driver's side wiper arm.
2. Stand up the passenger's side wiper arm.

Fold the wiper arms in the reverse order.

- (1) Remove the cap.
- (2) Remove the nuts, and remove the front wiper arm assembly.



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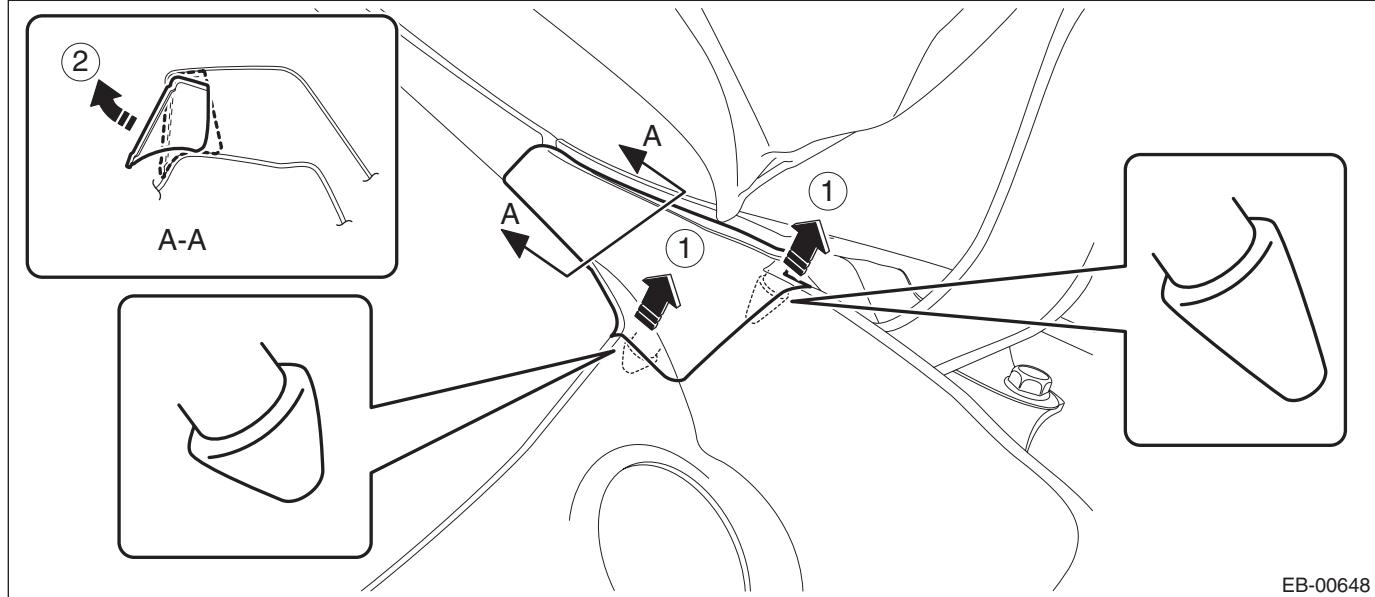
WIPER AND WASHER SYSTEMS

3) Remove the cowl panel side.

- (1) Detach the pins of the cowl panel side.
- (2) Remove the cowl panel side from inside the fender panel by pulling it.

CAUTION:

Applying excessive pulling force may damage the cowl panel side. If it is difficult to remove, use a plastic remover or equivalent tool.



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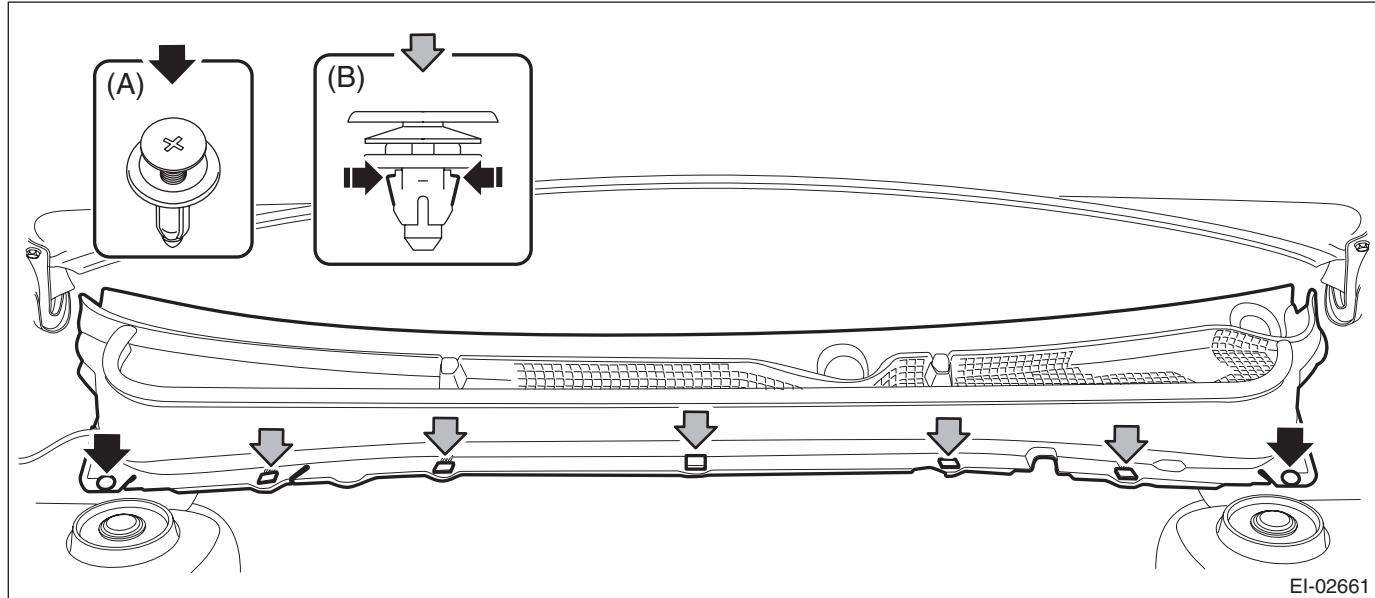
4) Remove the cowl panel.

- (1) Remove clips (A).
- (2) Push the claw of the clip (B) from both sides to remove it.

CAUTION:

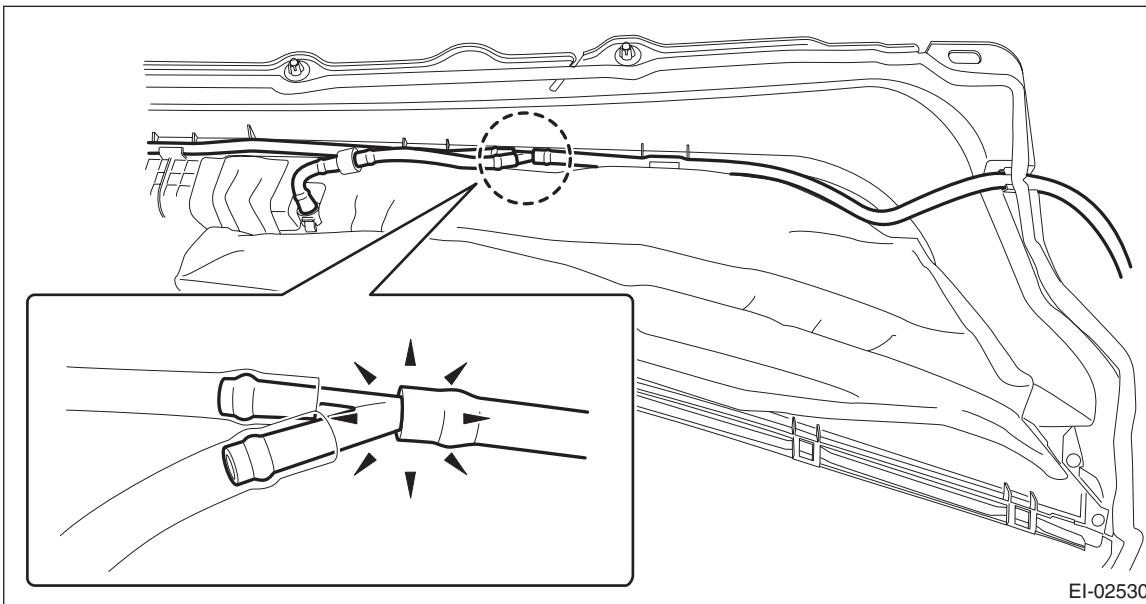
- Before removing the cowl panel, use a air blower and nylon brush to sweep gravel from the lower area of the front side of the glass.
- When removing the clip (B), push the claw of the clip from both sides.

Be careful because the clip can be damaged if you pull unnecessarily hard on them.



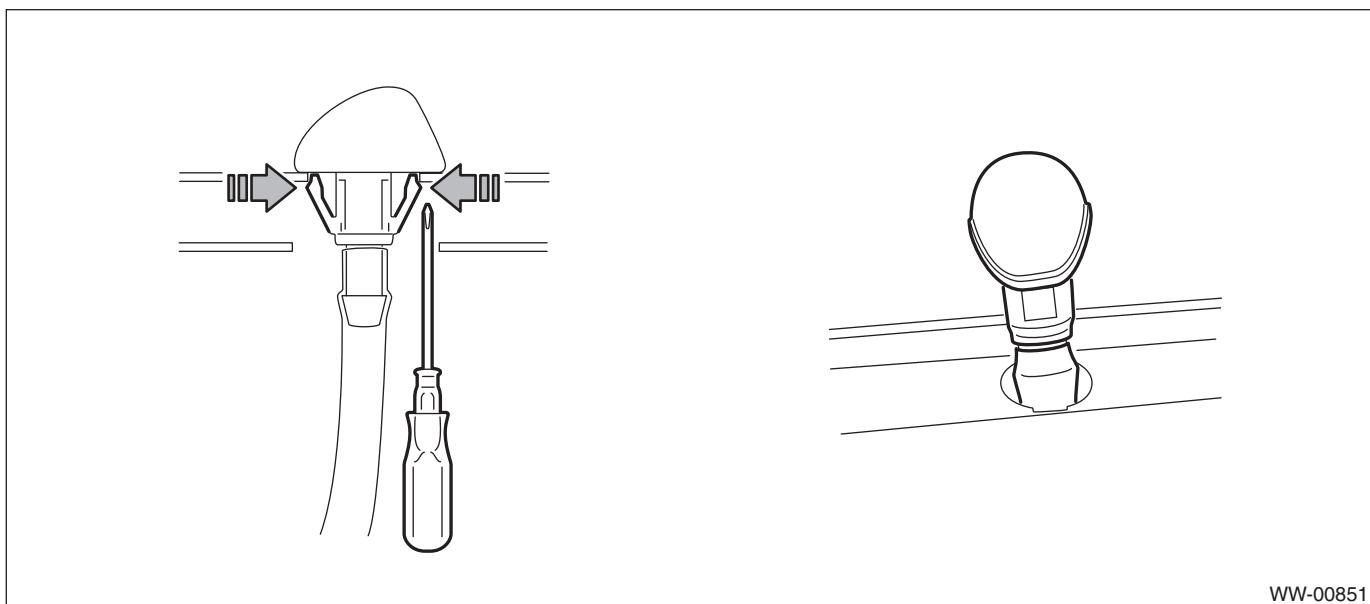
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(3) Disconnect the washer hose.



5) Remove the front washer nozzle.

- (1) Push the claw using a flat tip screwdriver, etc.
- (2) When the washer nozzle lifts up, pull out the nozzle using a clip remover, etc.
- (3) Disconnect the washer hose and remove the washer nozzle.



B: INSTALLATION

1) Install each part in the reverse order of removal.

CAUTION:

Before installing the windshield glass and cowl panel, make sure there are no gravel in the installing area.

Tightening torque:

Refer to "COMPONENT" of "General Description". <Ref. to WW-3, FRONT WIPER, COMPONENT, General Description.>

2) Adjust the washer nozzle position. <Ref. to WW-36, ADJUSTMENT, Front Washer Nozzle.>

Front Washer Nozzle

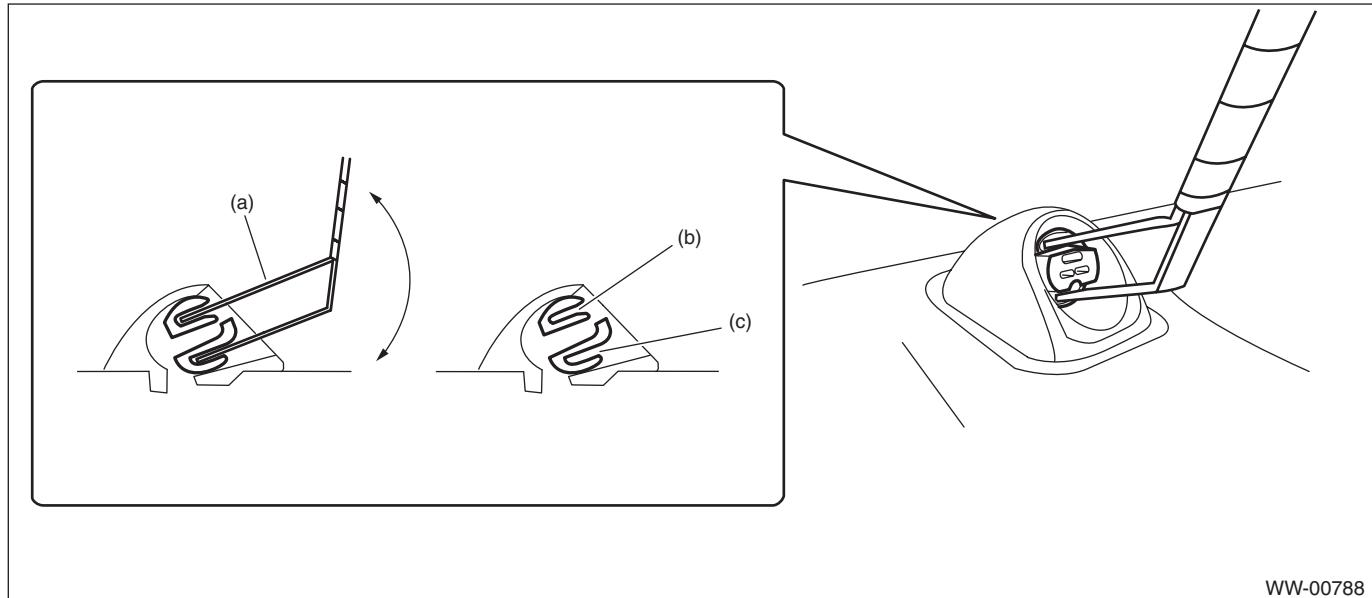
WIPER AND WASHER SYSTEMS

C: INSPECTION

- Make sure the nozzle and hose are not clogged.
- Make sure the hose is not bent.

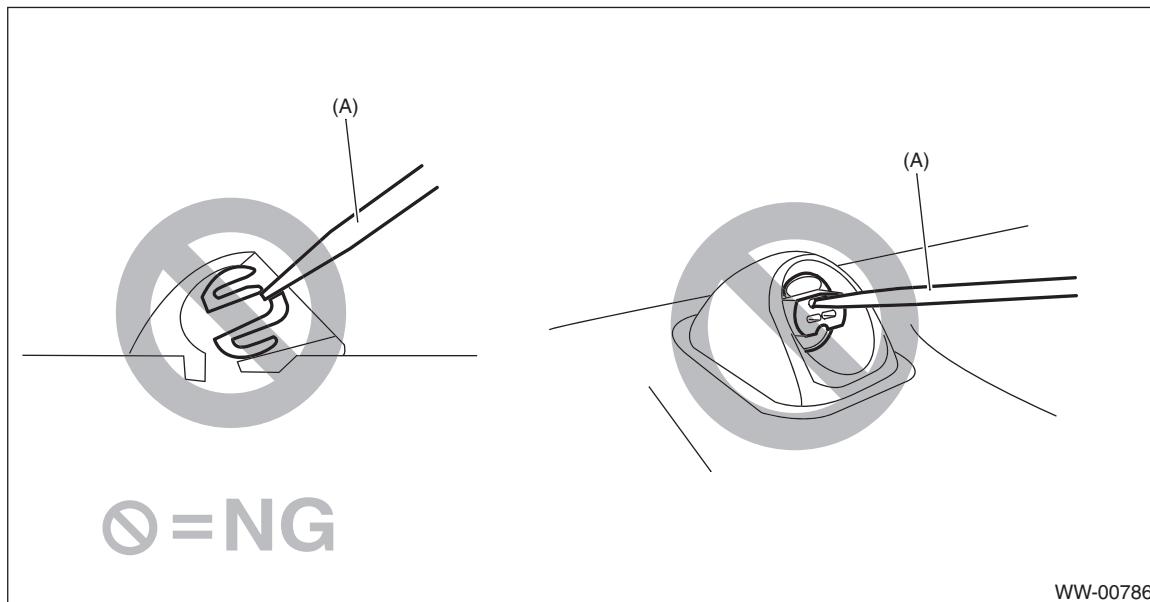
D: ADJUSTMENT

- 1) Turn the wiper switch to OFF position.
- 2) While the vehicle is at a standstill, insert the washer nozzle adjustment tool (a) into upper side (b) and lower side (c) of the washer nozzle to perform necessary adjustment.



CAUTION:

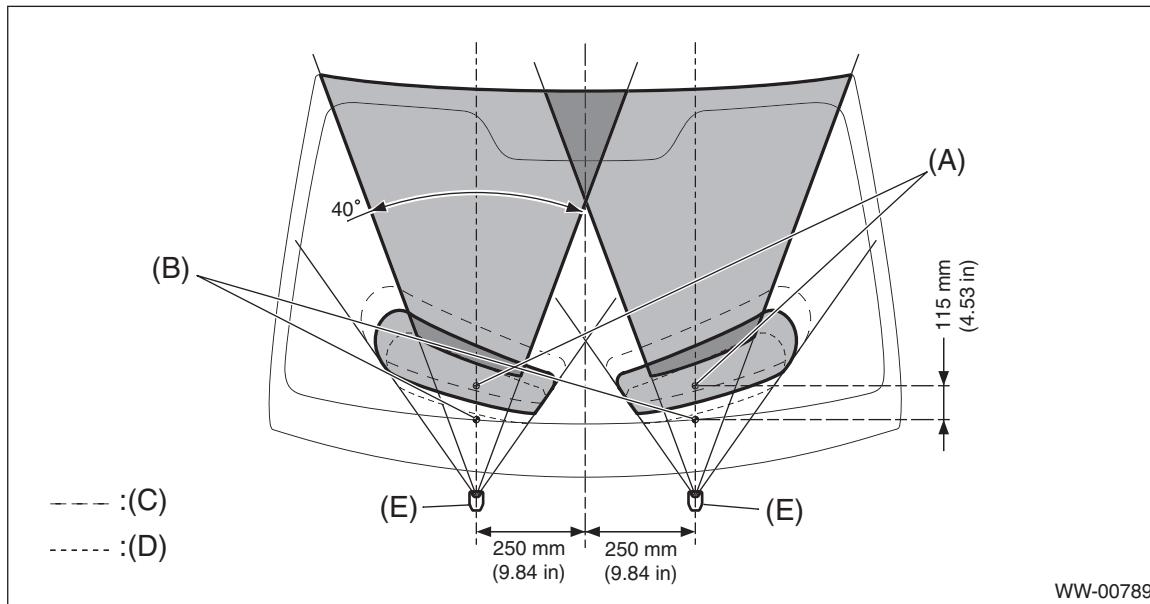
Washer nozzle is made of resin. If precision screwdriver (A) or equivalent is inserted into discharge port for adjustment, the discharge port can be deformed, and washer fluid cannot be sprayed.



Front Washer Nozzle

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3) Adjust the injection position of the washer fluid as shown in the figure.



- (A) Lower-side spray position center
- (B) Ceramic line position on the nozzle center
- (C) Washer fluid elevation angle, upper limit of spray area
- (D) Washer fluid elevation angle, lower limit of spray area
- (E) Washer nozzle