

## 9. Front Washer Nozzle

### A: REMOVAL

#### 1. NOZZLE - WINDSHIELD WASHER (MODEL WITHOUT EyeSight)

- 1) Open the hood COMPL - front.
- 2) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

**NOTE:**

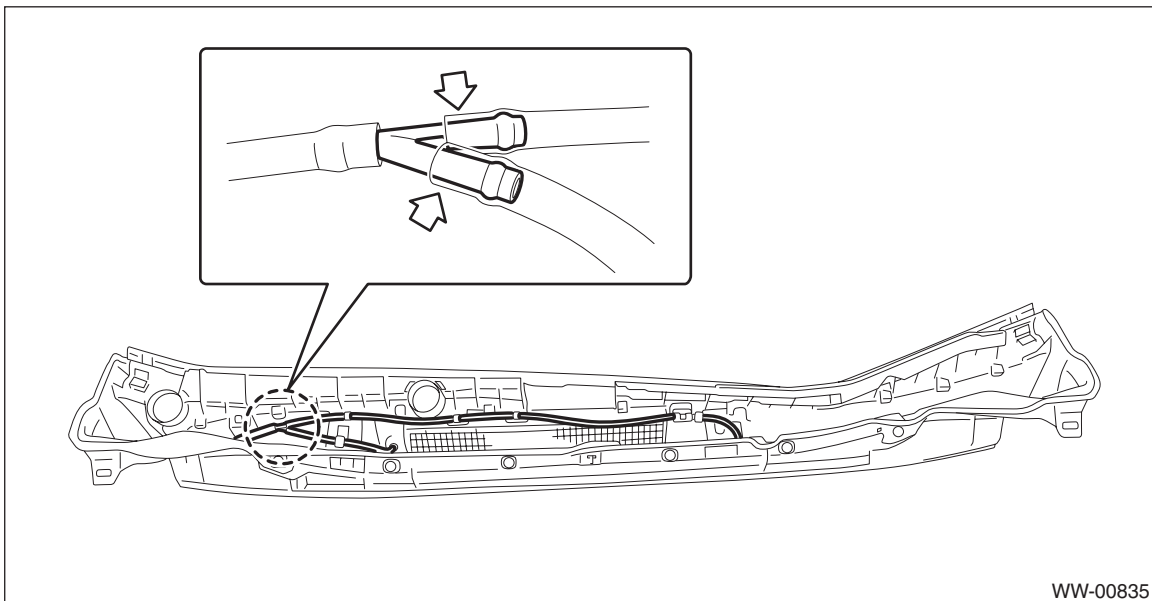
For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

- 3) Remove the arm assembly - windshield wiper. <Ref. to WW-29, REMOVAL, Front Wiper Arm.>
- 4) Remove the cowl panel assembly. <Ref. to EI-61, REMOVAL, Cowl Panel.>

**CAUTION:**

**Before removing the cowl panel, use an air blower and nylon brush to sweep gravel from the lower area of the front side of the glass.**

- 5) Remove the hose - windshield washer.



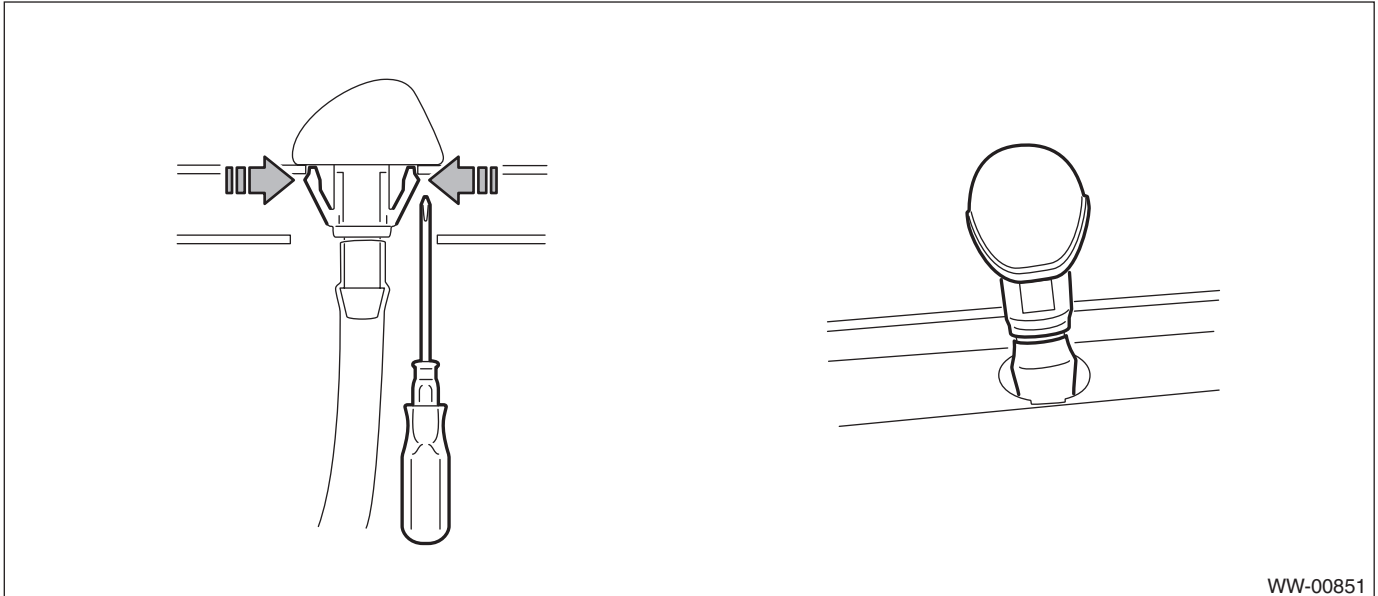
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## Front Washer Nozzle

### WIPER AND WASHER SYSTEMS

#### 6) Remove the nozzle - windshield washer.

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



## 2. NOZZLE - WINDSHIELD WASHER (MODEL WITH EyeSight)

- 1) Open the hood COMPL - front.
- 2) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

#### NOTE:

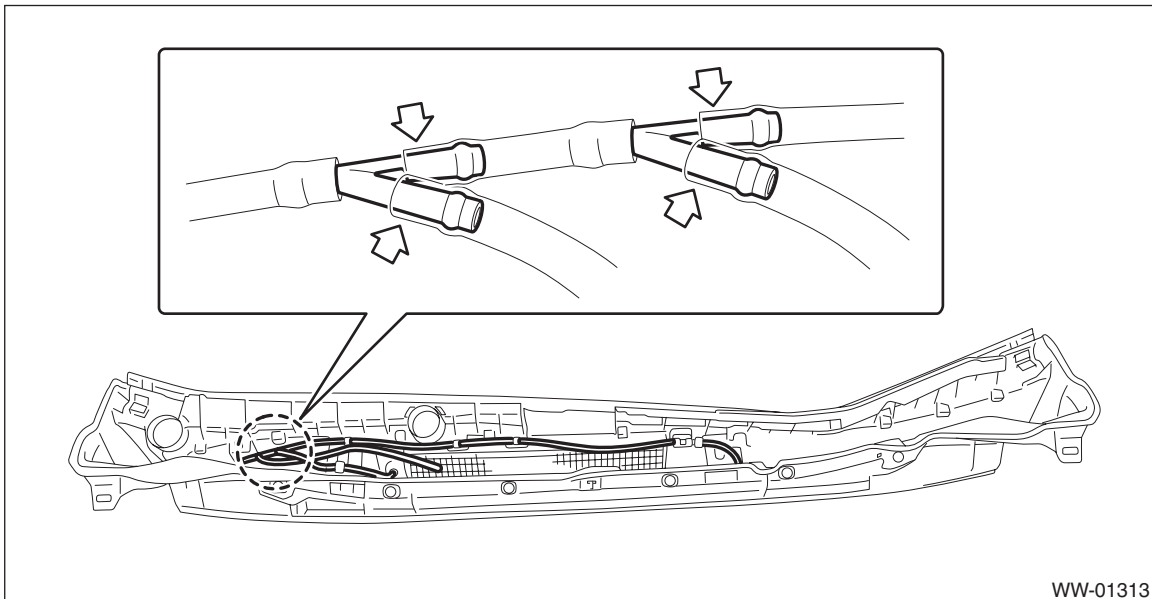
For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

- 3) Remove the arm assembly - windshield wiper. <Ref. to WW-29, REMOVAL, Front Wiper Arm.>
- 4) Remove the cowl panel assembly. <Ref. to EI-61, REMOVAL, Cowl Panel.>

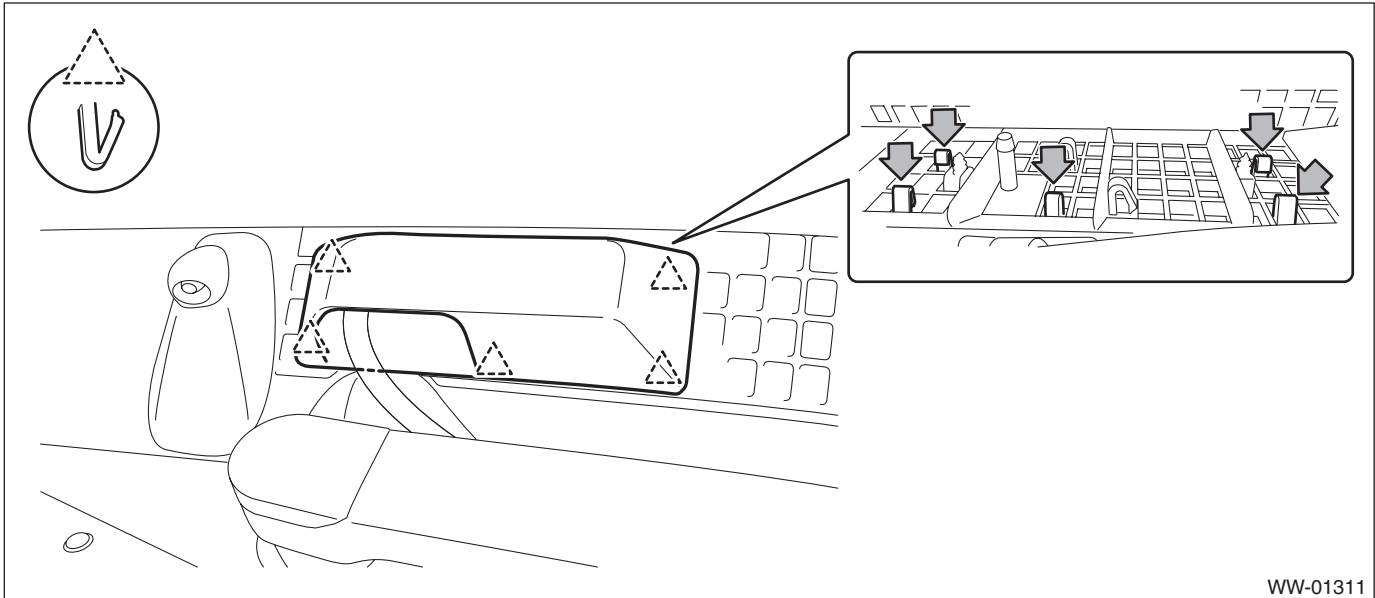
#### CAUTION:

**Before removing the cowl panel, use an air blower and nylon brush to sweep gravel from the lower area of the front side of the glass.**

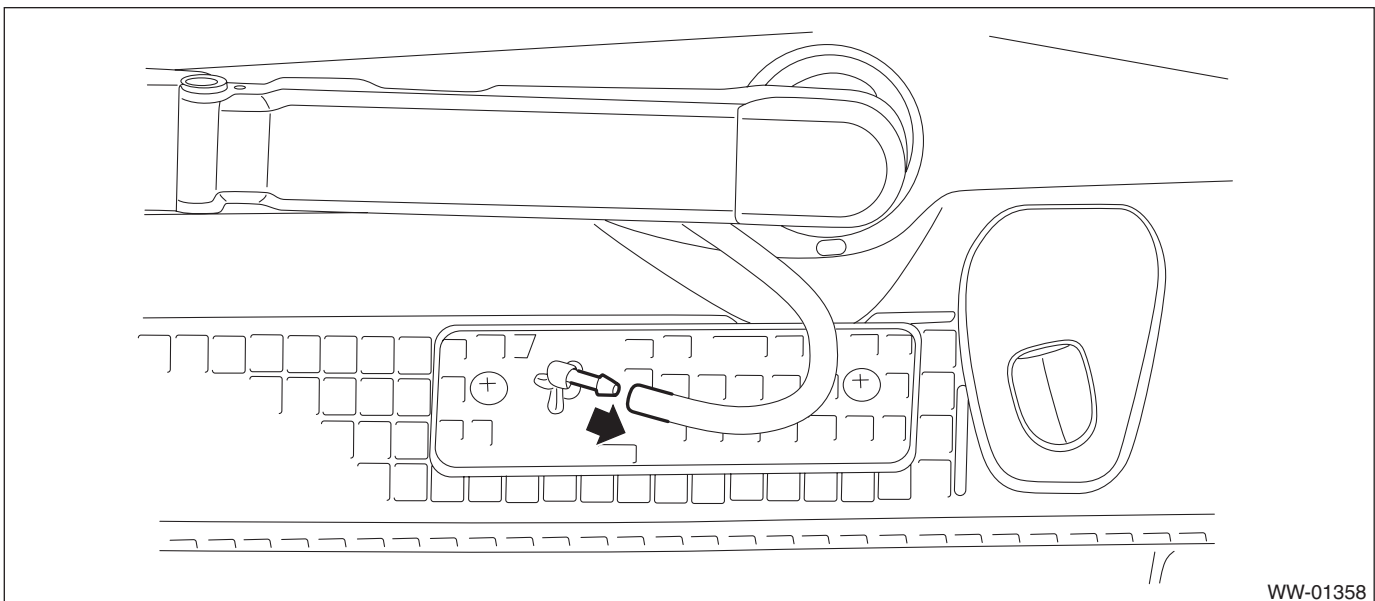
- 5) Remove the hose - windshield washer.



6) Release the claws, and remove the cover - joint from the cowl panel assembly.



7) Remove the hose from joint - washer hose.



## B: INSTALLATION

### CAUTION:

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

- 1) Install the hose - windshield washer.
- 2) Install the cowl panel assembly. <Ref. to EI-63, INSTALLATION, Cowl Panel.>
- 3) Install the arm assembly - windshield wiper. <Ref. to WW-30, INSTALLATION, Front Wiper Arm.>
- 4) Install the hose to joint - washer hose. (Models with EyeSight)
- 5) Install the cover - joint to cowl panel assembly. (Models with EyeSight)
- 6) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 7) Adjust the position of the nozzle - windshield washer. <Ref. to WW-42, ADJUSTMENT, Front Washer Nozzle.>

# Front Washer Nozzle

## WIPER AND WASHER SYSTEMS

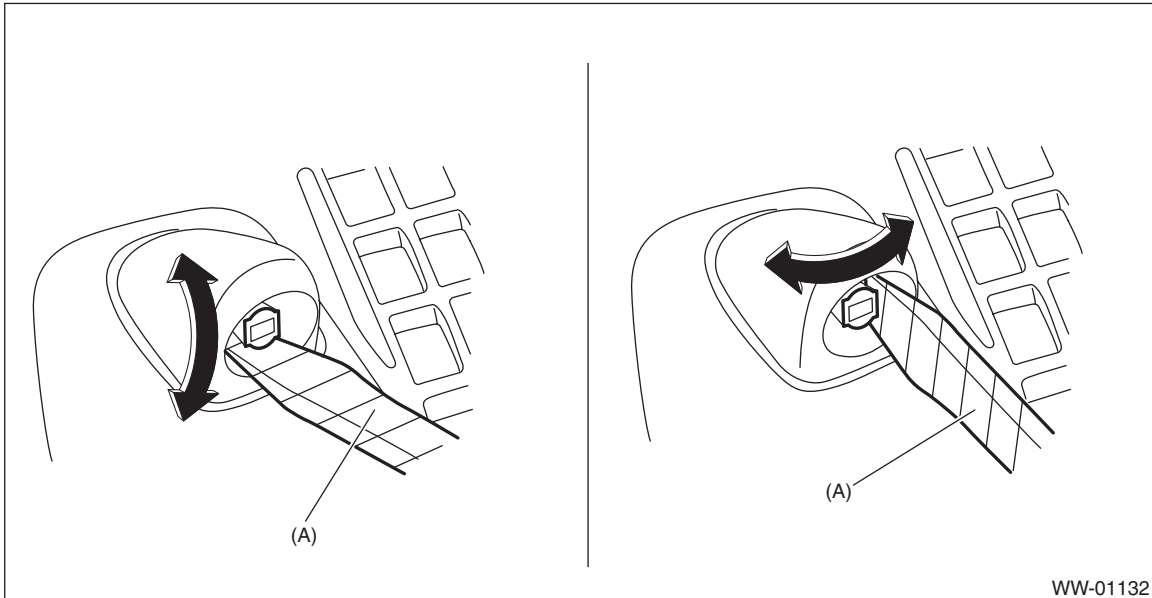
### C: INSPECTION

- Check the nozzles and hoses for clogging.
- Check the hoses for bend or twisting.

### D: ADJUSTMENT

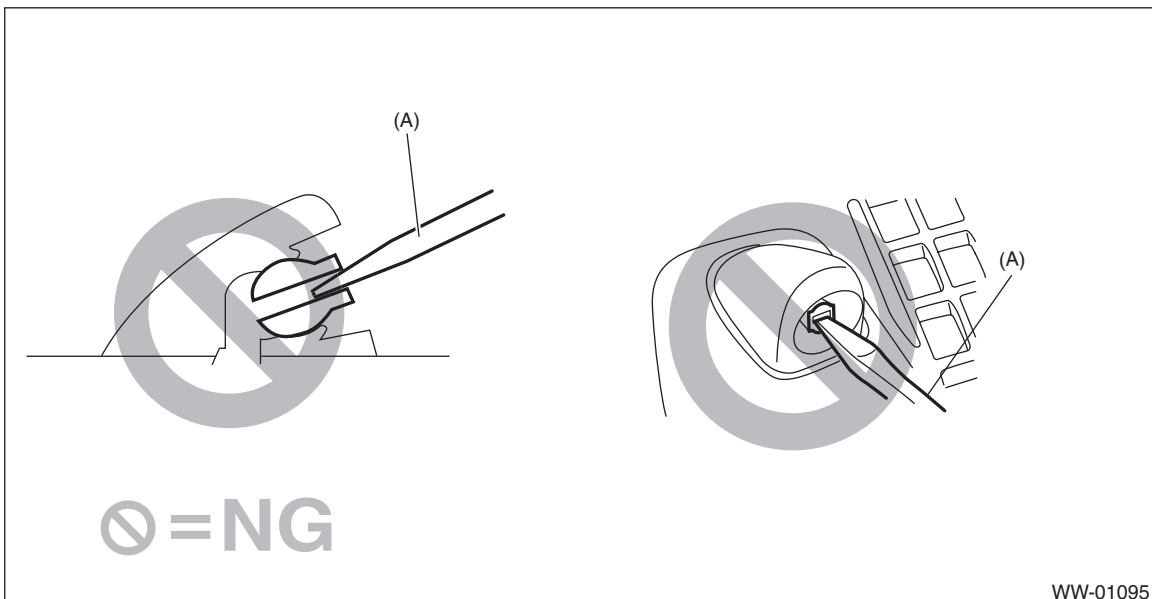
#### 1. NOZZLE - WINDSHIELD WASHER

- 1) Turn the wiper switch to OFF position.
- 2) While the vehicle is at a standstill, insert a precision screwdriver (A) wrapped with protection tape or equivalent into the clearance on the upper/lower side or the right/left side of the nozzle - windshield washer to perform necessary adjustment.



#### CAUTION:

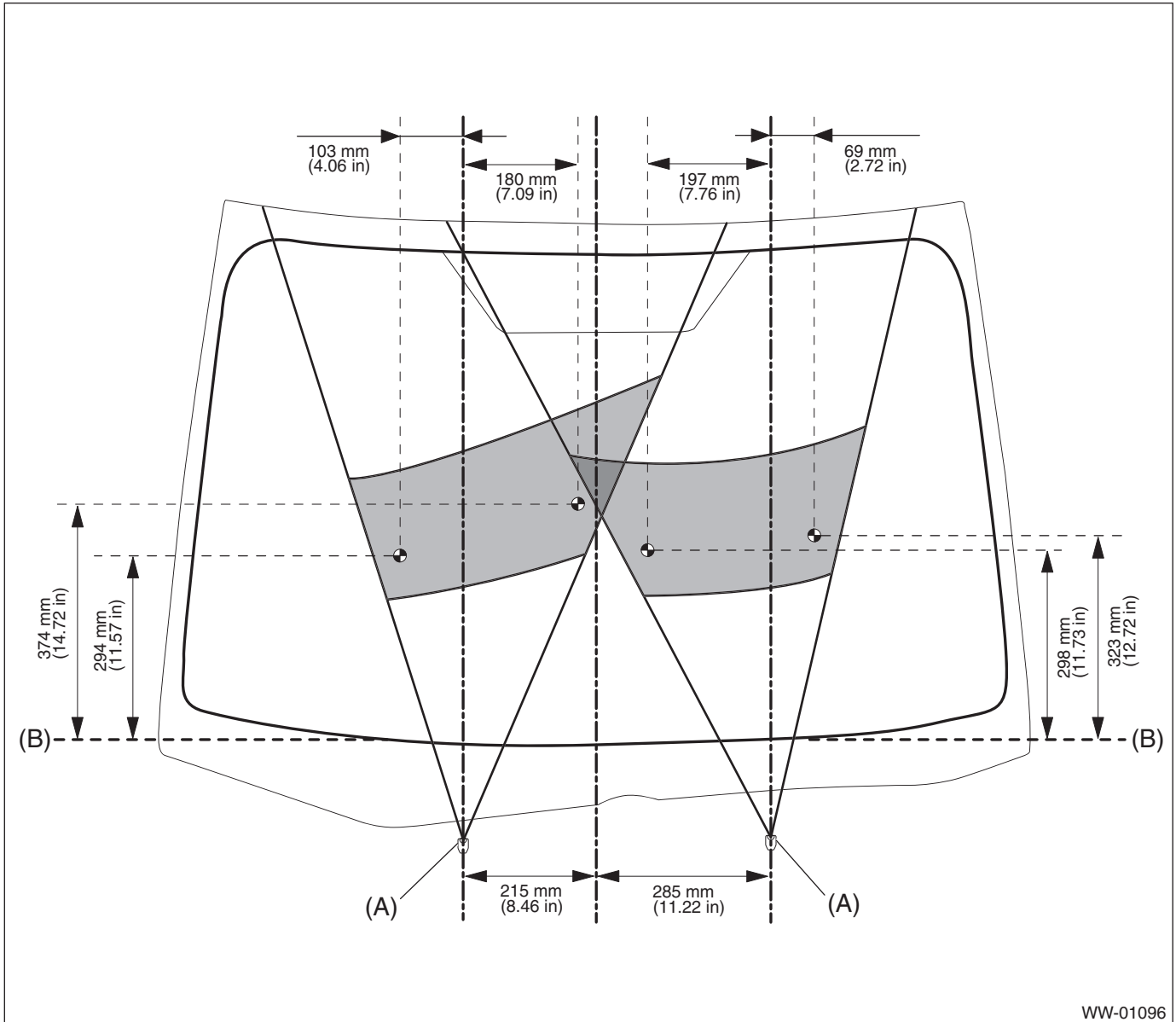
- The nozzle - windshield washer is made of resin. If precision screwdriver (A) or equivalent is inserted into discharge port for adjustment, the discharge port can be deformed, and washer fluid cannot be sprayed.
- Do not rotate the discharge port of the nozzle - windshield washer, otherwise it may be damaged.



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## WIPER AND WASHER SYSTEMS

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



(A) Nozzle - windshield washer

(B) Ceramic line

# Front Washer Nozzle

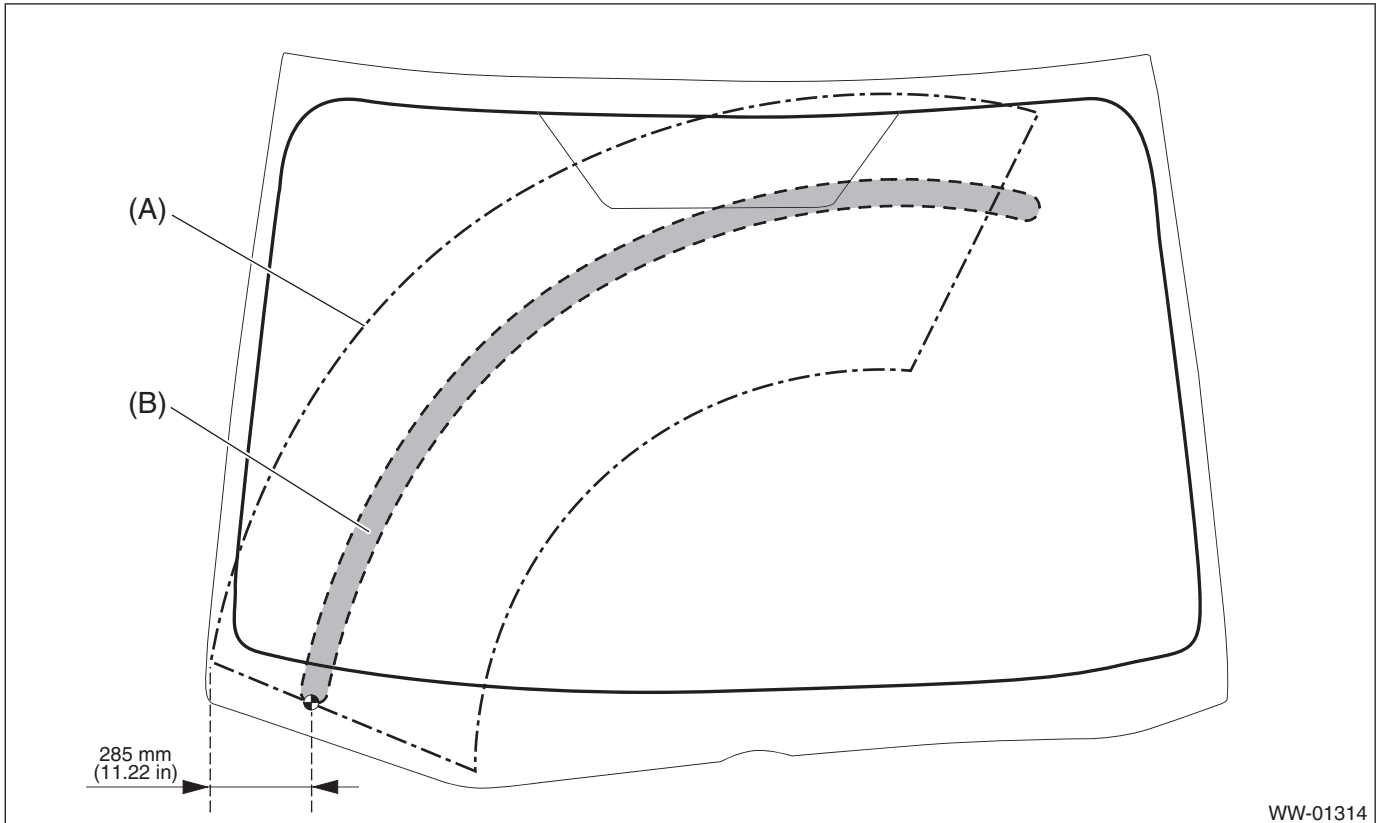
## WIPER AND WASHER SYSTEMS

### 2. NOZZLE - WIPER ARM WASHER (MODEL WITH EyeSight)

#### CAUTION:

When performing adjustment, check the spray position of the nozzle - wiper arm washer at the wiper arm stop position.

- 1) Turn the wiper switch to OFF position.
- 2) While the vehicle is stopped, check that the washer spray position is as shown in the figure.
- 3) If the spray position is significantly out of the specified area, replace the arm assembly - windshield wiper assistor with a new part.



WW-01314

(A) Arm ASSY - windshield wiper  
assistor wiping area

(B) Spraying area