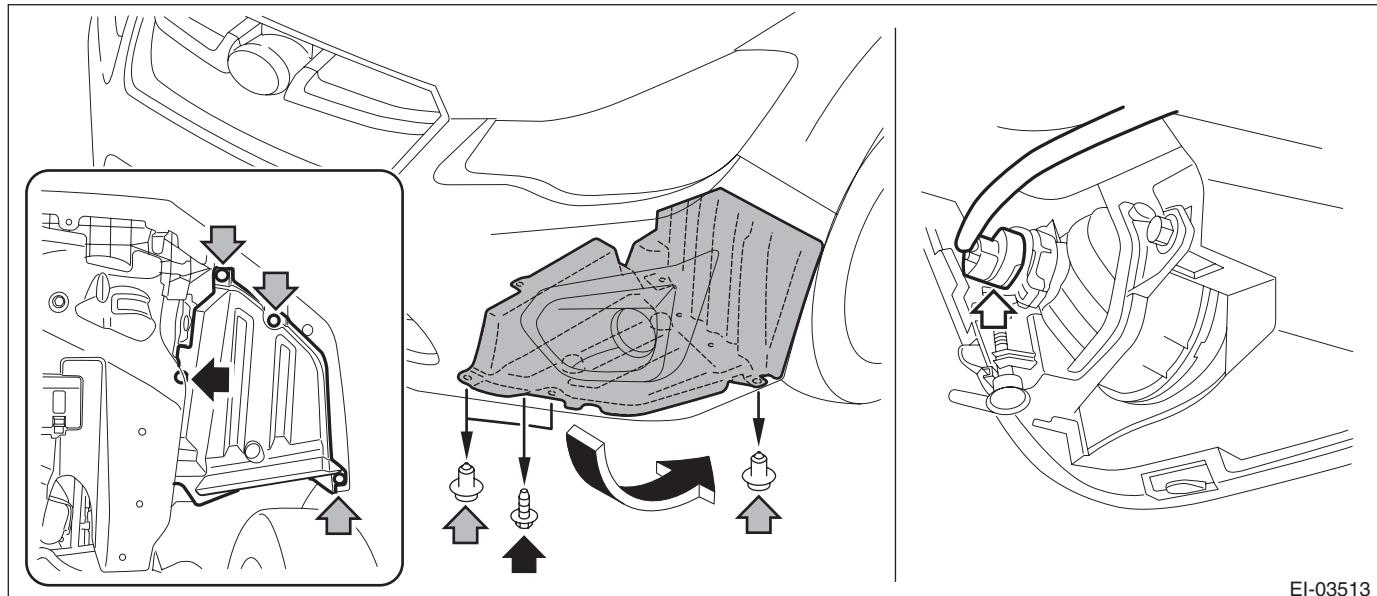


### 6. Washer Tank and Motor

#### A: REMOVAL

##### 1. WASHER TANK

- 1) Open the hood COMPL - front.
- 2) Disconnect the ground cable from battery.
- 3) Remove the bumper face - front.
  - (1) Remove the clips and screws, and turn over the mud guard - front, and then disconnect the connectors of the fog light assembly - front on the LH and RH sides. (Model with fog light)

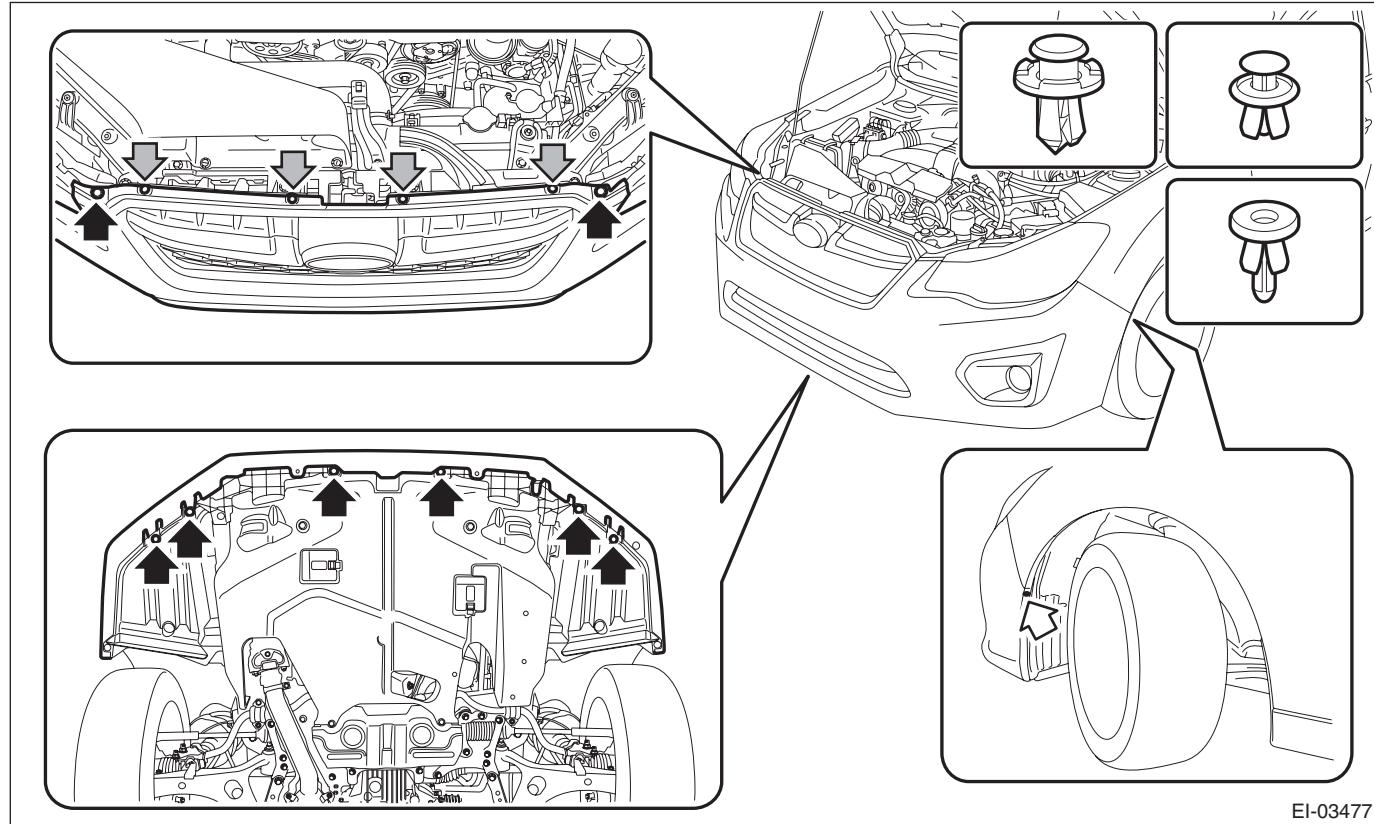


- (2) Remove the clips at the upper side of the bumper.
- (3) Remove the clips from the fender.

# Washer Tank and Motor

## WIPER AND WASHER SYSTEMS

(4) Remove the clips at the lower side of bumper.

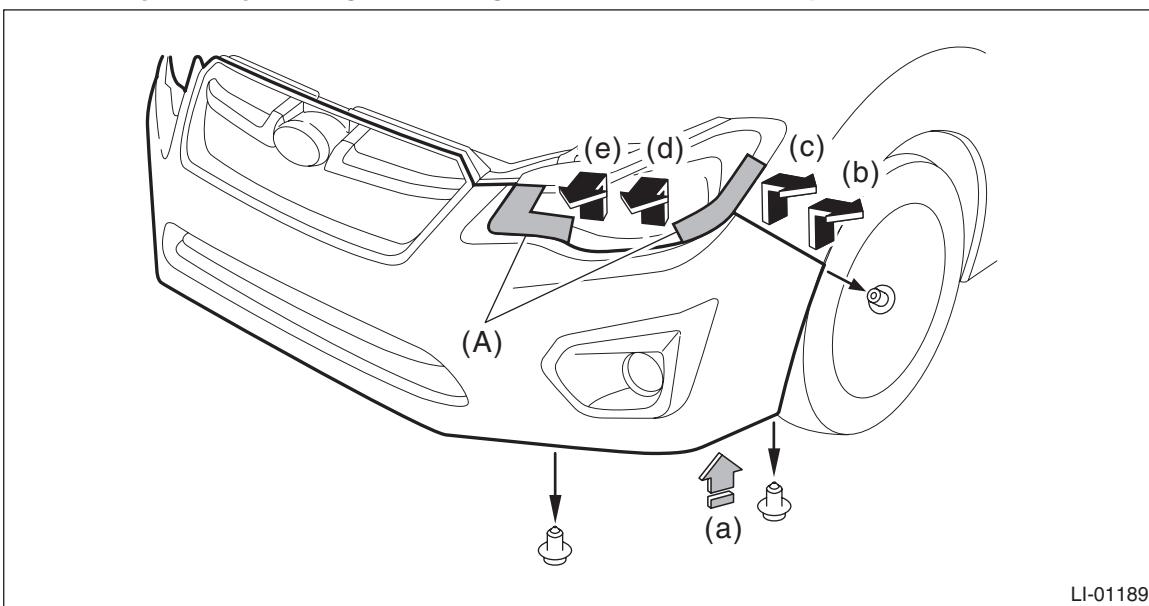


(5) Apply protective tape (A) to the light assembly - head.

(6) Release the clips, and while pushing up the lower side (a) of the bumper face - front, remove in the order from (b) to (e).

### CAUTION:

**Do not pull forcibly. It may damage the flange sections of the bumper face - front.**



### NOTE:

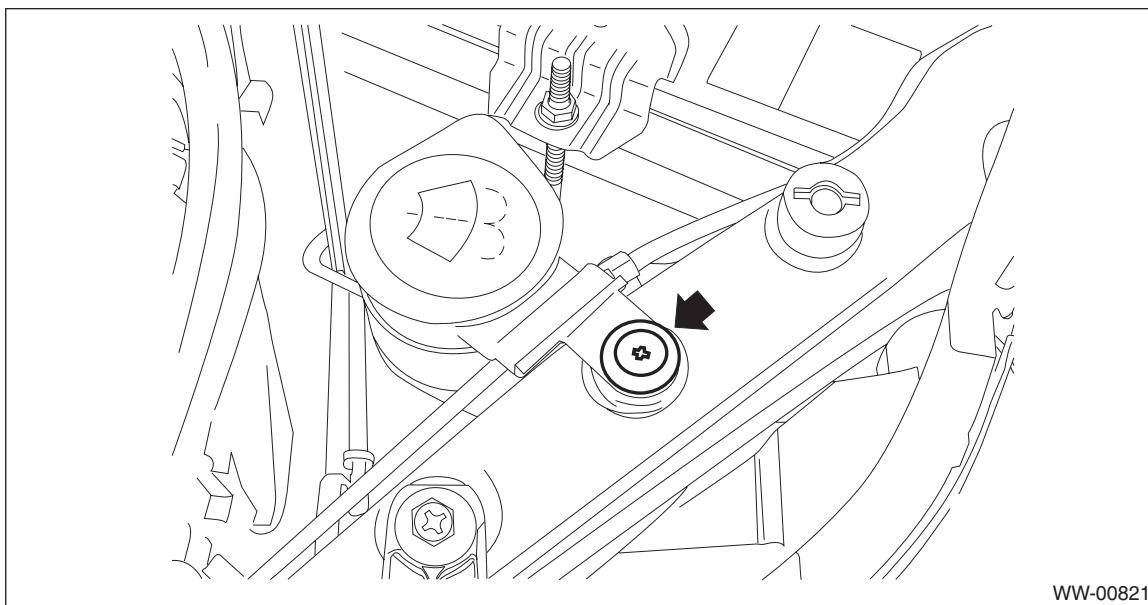
Detach the opposite side in the same manner.

## Washer Tank and Motor

### WIPER AND WASHER SYSTEMS

4) Remove the tank - washer assembly.

(1) Remove the clip of the holder - windshield washer tank.

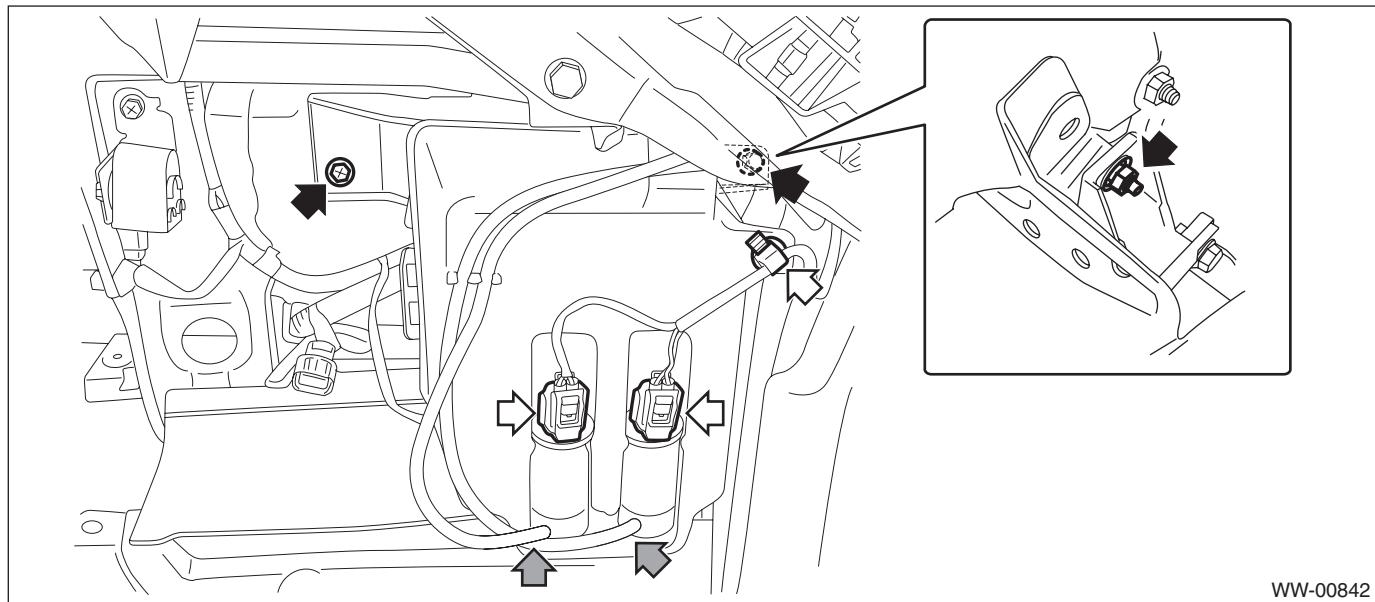


(2) Disconnect the connector from the motor pump assembly - washer and the sensor - washer tank, and then remove the harness clip.

(3) Remove the cover - pump from the tank - washer.

(4) Prepare a container before disconnecting the hose - washer, and drain all washer fluid in the tank - washer.

(5) Remove the bolt and nuts and remove the tank - washer assembly.

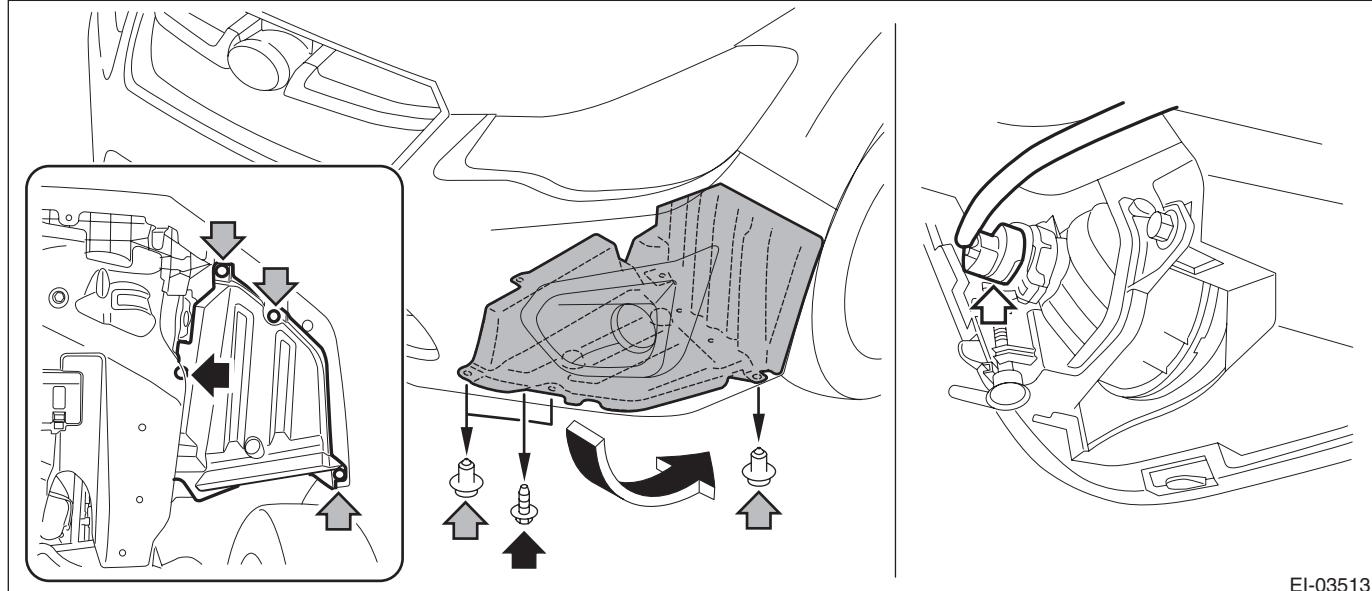


# Washer Tank and Motor

## WIPER AND WASHER SYSTEMS

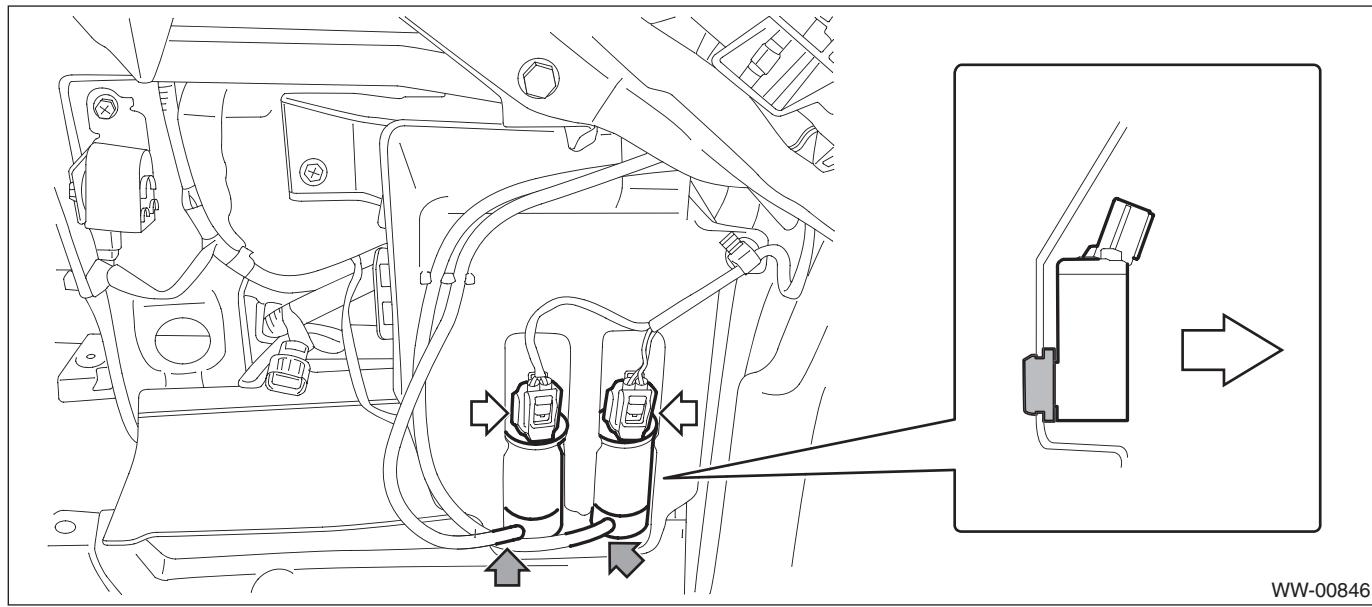
### 2. WASHER MOTOR

- 1) Open the hood COMPL - front.
- 2) Disconnect the ground cable from battery.
- 3) Remove the clips and screws, turn over the mud guard - front LH, and disconnect the connector of the fog light assembly - front. (Model with fog light)



EI-03513

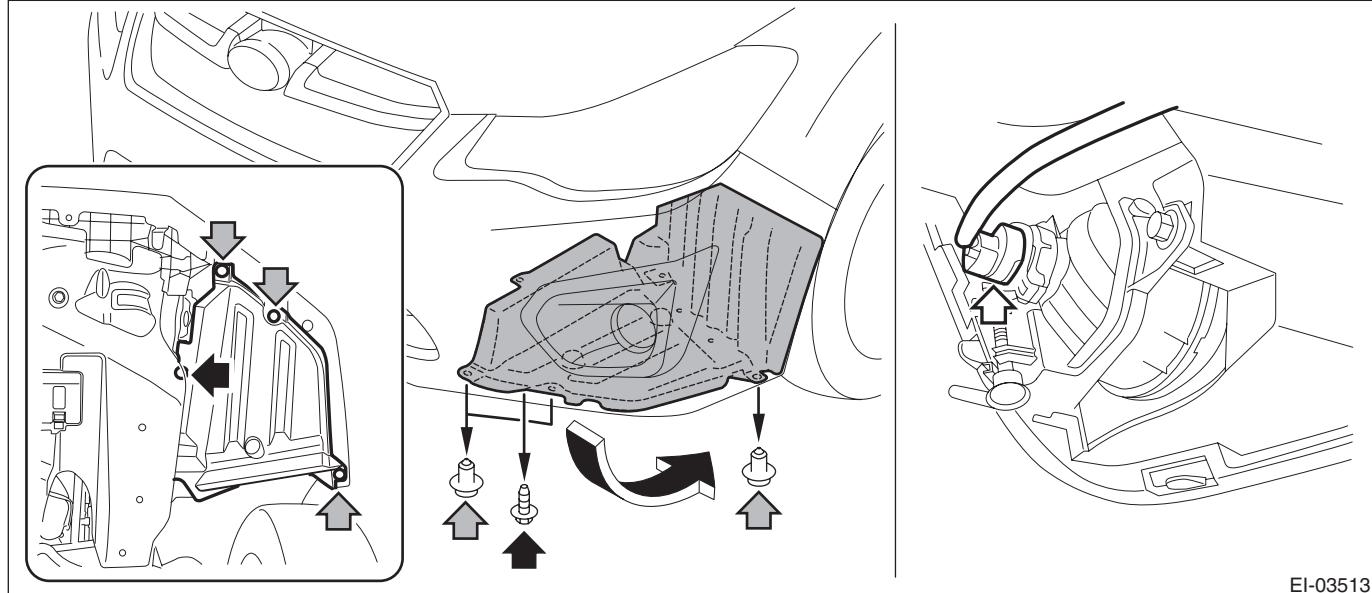
- 4) Disconnect the connector from the motor pump assembly - washer and remove the harness clip.
- 5) Remove the cover - pump from the tank - washer.
- 6) Prepare a container before disconnecting the hose - washer, and drain all washer fluid in the tank - washer.
- 7) Remove the motor pump assembly - washer from the tank - washer.



WW-00846

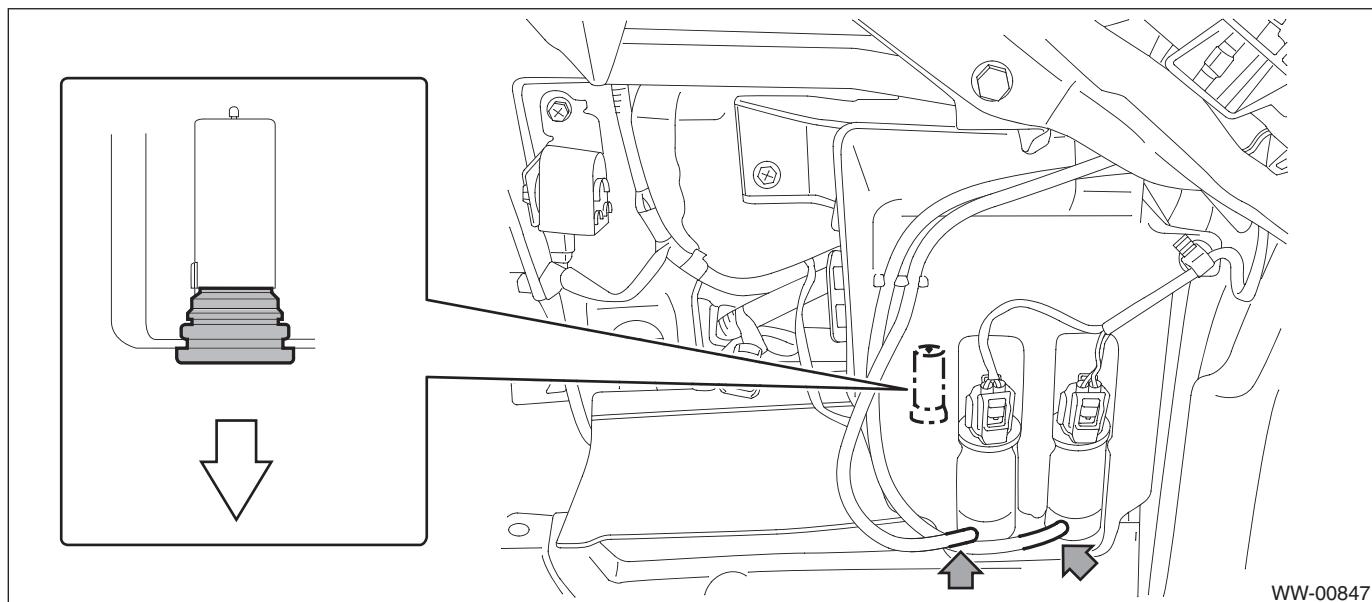
### 3. WASHER FLUID LEVEL SENSOR

- 1) Open the hood COMPL - front.
- 2) Disconnect the ground cable from battery.
- 3) Remove the clips and screws, turn over the mud guard - front LH, and disconnect the connector of the fog light assembly - front. (Model with fog light)



EI-03513

- 4) Remove the cover - pump from the tank - washer.
- 5) Prepare a container before disconnecting the hose - washer, and drain all washer fluid in the tank - washer.
- 6) Disconnect the connector from the sensor - washer tank, and remove the sensor - washer tank from the tank - washer.



WW-00847

# Washer Tank and Motor

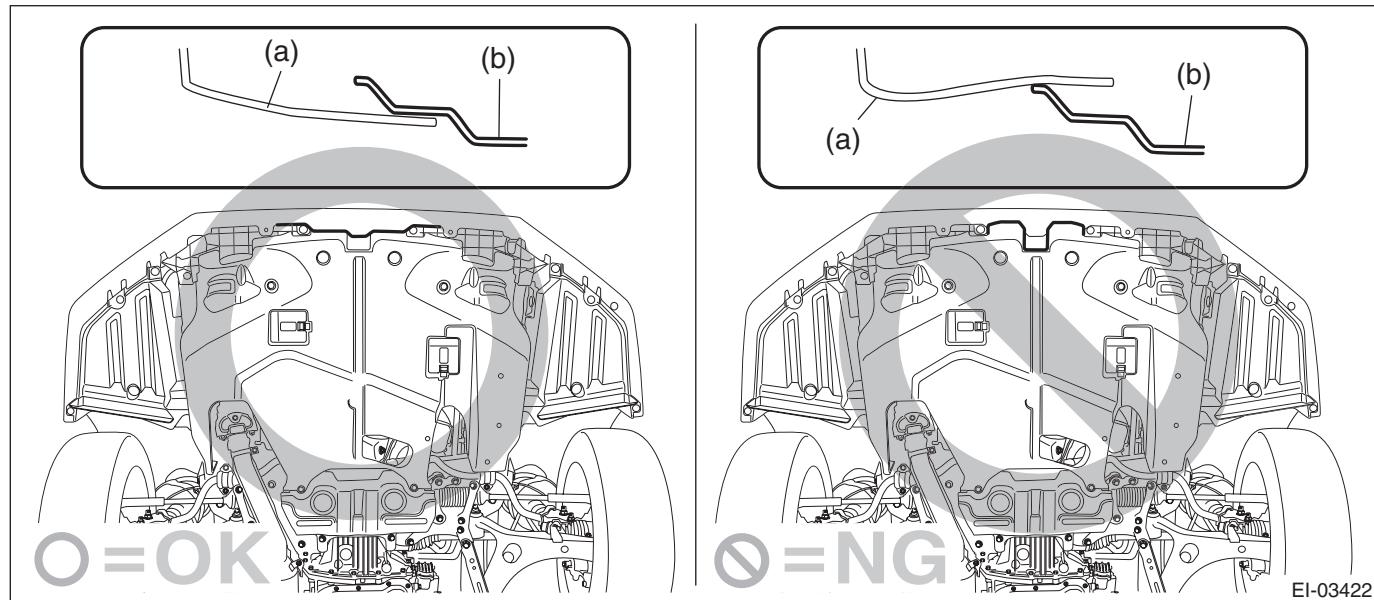
## WIPER AND WASHER SYSTEMS

### B: INSTALLATION

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

#### CAUTION:

Install the bumper face - front so that the front end of the under cover (b) comes inside the bumper face - front (a).



#### Tightening torque:

6 N·m (0.61 kgf·m, 4.4 ft-lb)

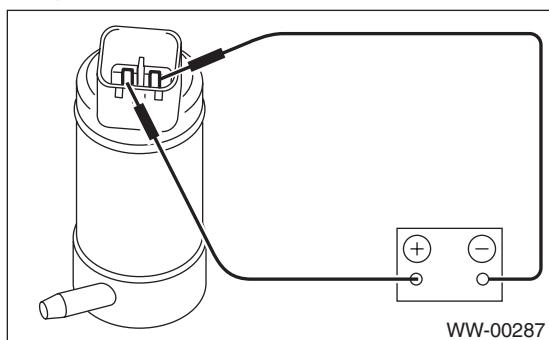
2) Add new washer fluid.

3) Adjust the fog light beam. (Model with fog light) <Ref. to LI-55, FOG LIGHT AIMING, ADJUSTMENT, Front Fog Light Assembly.>

### C: INSPECTION

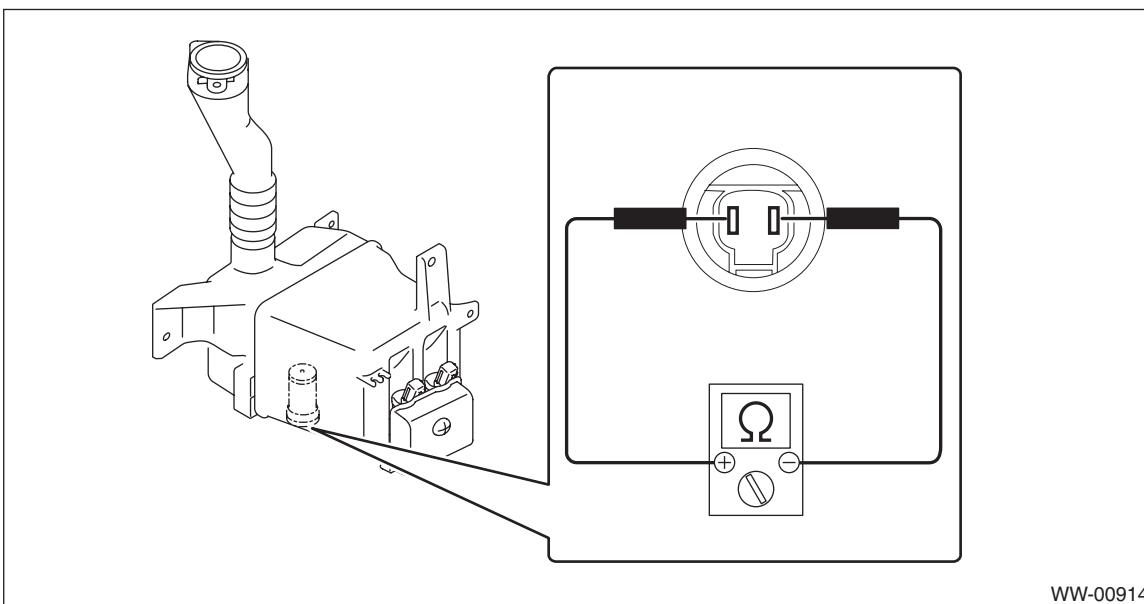
#### 1. WASHER PUMP

Apply battery voltage to the connector terminal of the motor pump assembly - washer, and make sure that the motor operates.



### 2. WASHER FLUID LEVEL SENSOR

- 1) Check the connection status of washer fluid level sensor connector.
- 2) Does the low washer fluid warning light illuminate after draining the washer fluid? And does the low washer fluid warning light go off after refilling the washer fluid?
  - Yes → **Normal operation.**
  - No → **Perform step 3.**
- 3) Using a tester, measure the voltage of the washer fluid level sensor connector.
  - (1) Is the voltage approx. 8.5 V or more?
    - Yes → **Perform step 4.**
    - No → **Check harness, meter and integrated unit, and replace if necessary.**
- 4) Does the meter indicator illuminate if you short the washer fluid level sensor connector?
  - Yes → **Perform step 5.**
  - No → **Check meter and integrated unit, and replace if necessary.**
- 5) Using a tester, measure the resistance of the washer fluid level sensor.
  - (1) Turn over the mud guard.
  - (2) Measure the resistance of the washer fluid level sensor.



Amount of washer fluid in the tank	Standard
No remaining quantity (ON)	Less than 10 Ω
There is remaining quantity (OFF)	1 MΩ or more

(3) Is the resistance within the standard?

- Yes → **Normal operation.**
- No → **Replace the washer fluid level sensor along with the washer tank.**