

### 9. Rear Gate

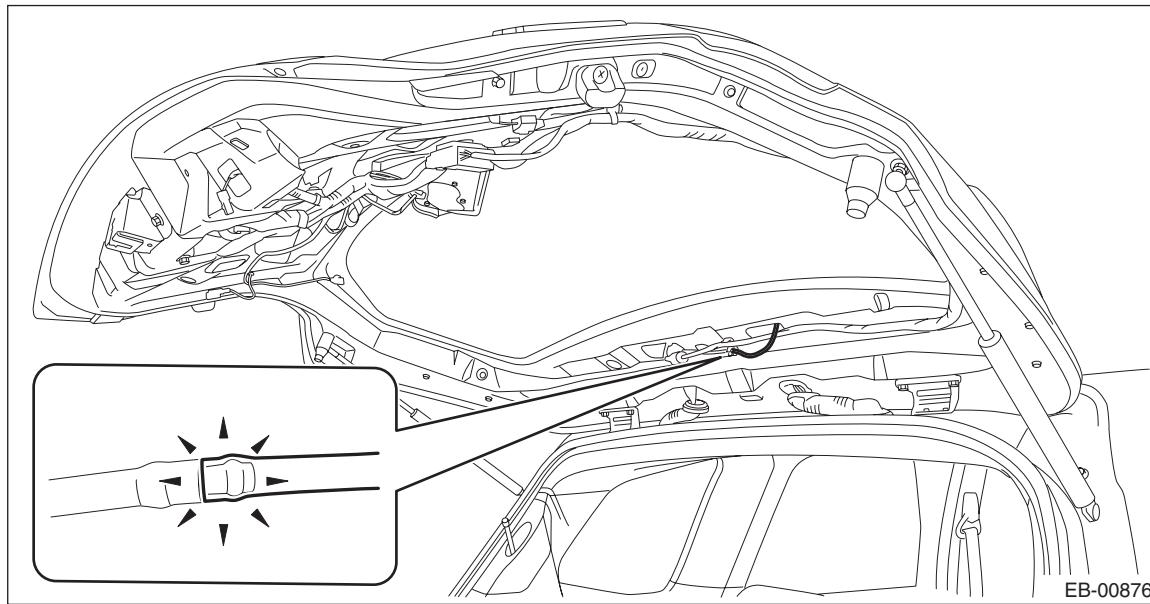
#### A: REMOVAL

**CAUTION:**

The panel - rear gate is heavy. When removing and installing it, always work in a team of two or more persons.

#### 1. REAR GATE PANEL

- 1) Disconnect the ground cable from battery.
- 2) Trim panel - rear gate and garnish assembly - rear gate <Ref. to EI-126, REMOVAL, Rear Gate Garnish.>
- 3) For the model with power rear gate, remove the following parts.
  - Power rear gate auto closer: <Ref. to PRG-17, REMOVAL, Power Rear Gate Auto Closer.>
  - Power rear gate touch sensor: <Ref. to PRG-21, REMOVAL, Power Rear Gate Touch Sensor.>
  - Power rear gate buzzer: <Ref. to PRG-22, REMOVAL, Power Rear Gate Buzzer.>
- 4) Arm assembly - rear wiper and motor assembly - rear wiper <Ref. to WW-41, REMOVAL, Rear Wiper Motor.>
- 5) Remove the light assembly - high-mounted and the nozzle - rear washer. <Ref. to WW-45, REMOVAL, Rear Washer.>
- 6) Remove the rear gate latch and actuator - rear gate. <Ref. to SL-51, REMOVAL, Rear Gate Latch and Actuator Assembly.>
- 7) Disconnect the hose assembly - rear washer.
  - (1) Disconnect the joint portion of the hose assembly - rear washer.
  - (2) Remove the clip.

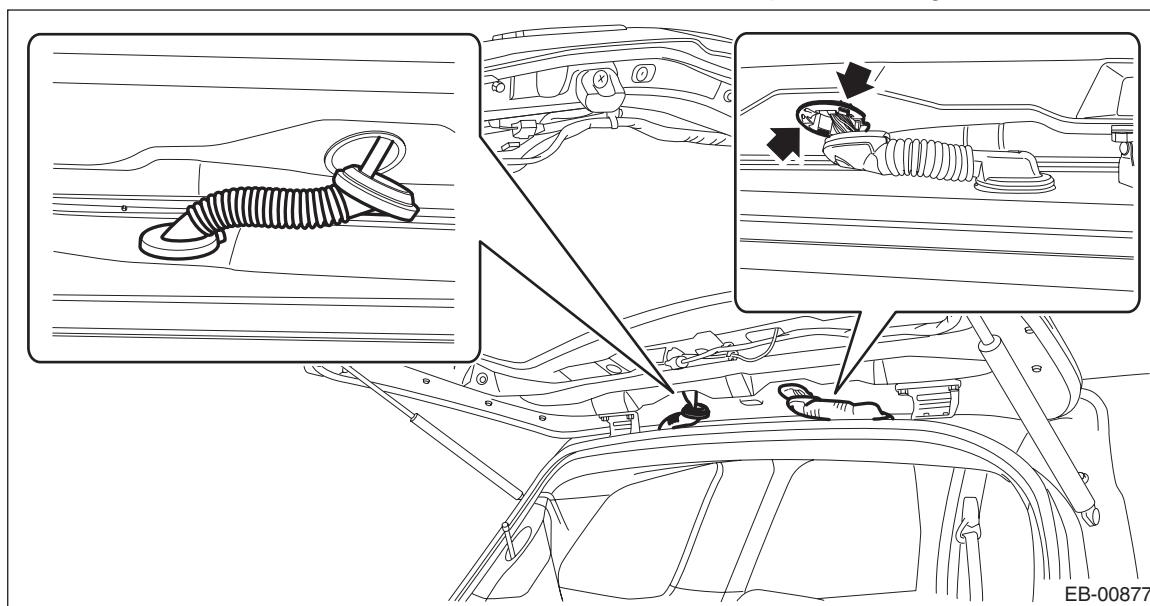


EB-00876

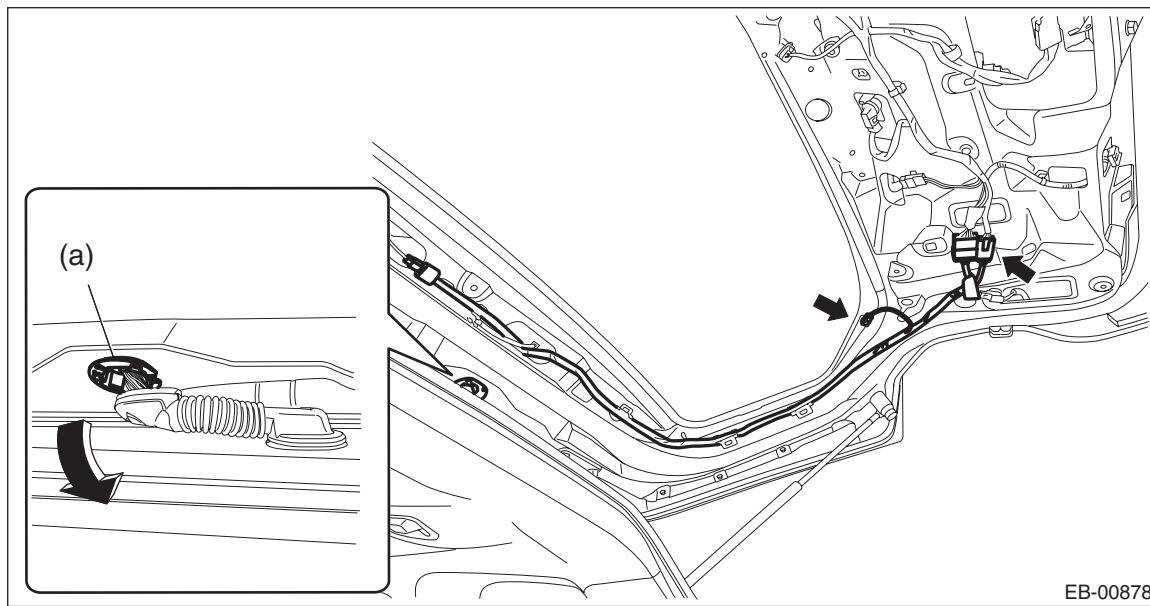
8) Remove the rubber duct on the side of the panel - rear gate.

(1) Pull out the claw while pushing it using a flat tip screwdriver or similar tools.

(2) Remove the connection of the rubber duct on the side of the panel - rear gate.



9) Disconnect the connector, and then pull out the harness from the panel - rear gate shown in the figure (a).



10) Remove harness clip of each harness from the panel - rear gate.

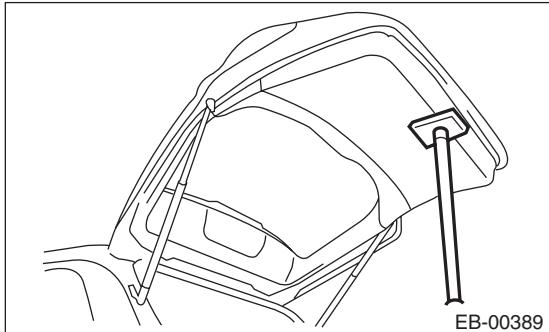
## Rear Gate

### EXTERIOR BODY PANELS

11) Before removing the stay assembly - rear gate, prevent the panel - rear gate from closing by using a prop or the like.

#### CAUTION:

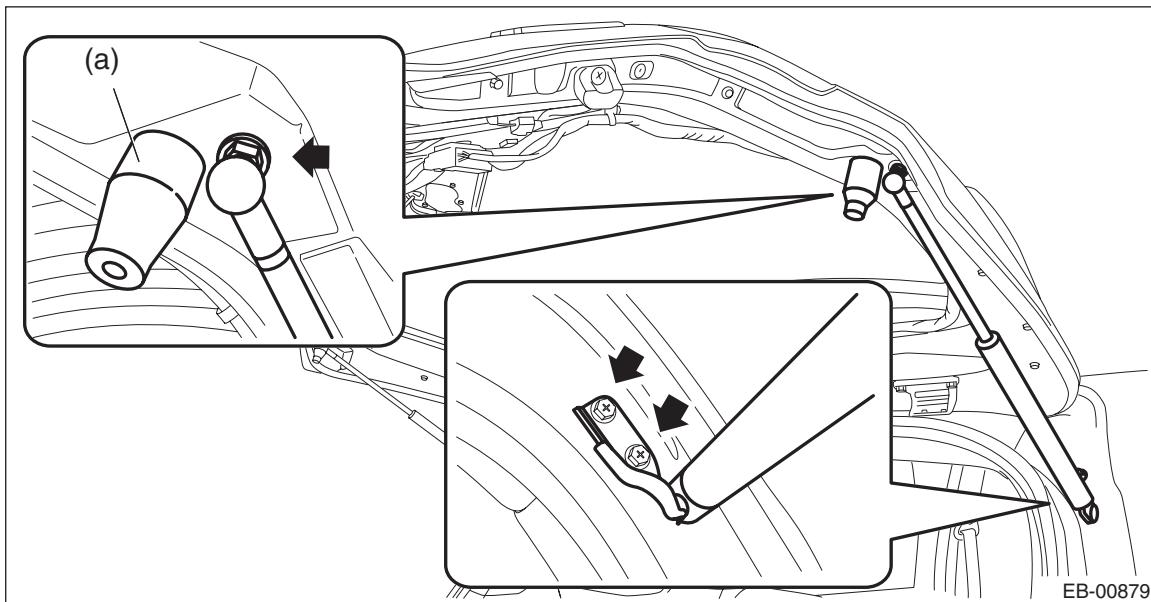
If the prop comes off, operators may get injured and vehicle may get damaged. Make sure to support the panel - rear gate with secure material to prevent injury or damage.



12) Remove the stay assembly - rear gate.

(1) Remove the stopper - rear gate (a) and remove the attachment section on the side of the stay assembly - rear gate.

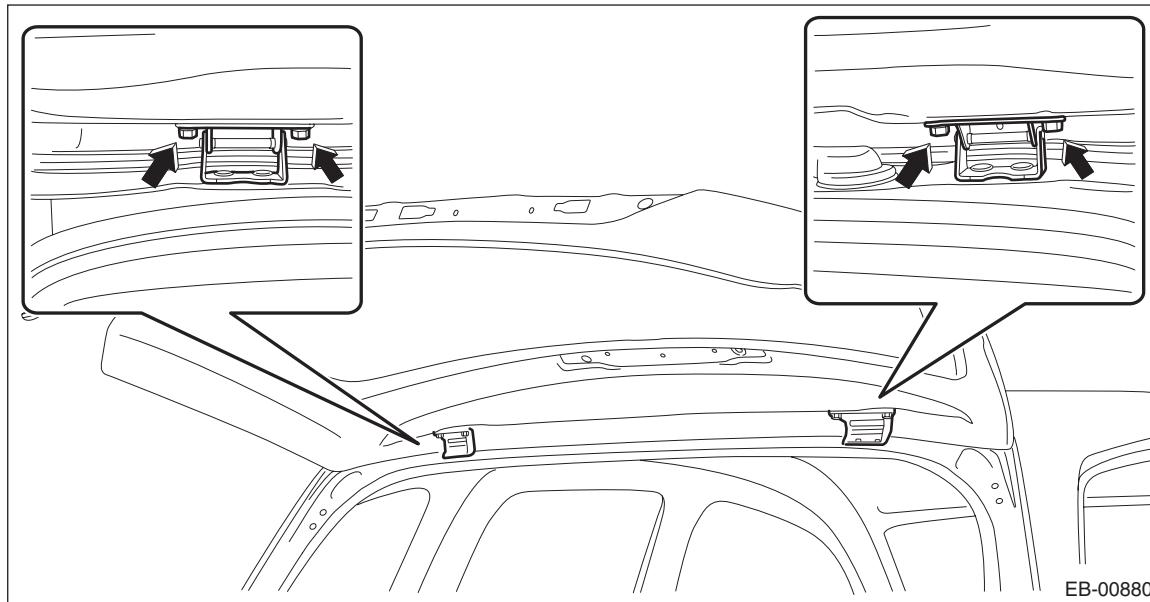
(2) Remove the mounting bolts on the body side.



13) Remove the bolts of the hinge - rear gate, and remove the panel - rear gate.

**CAUTION:**

**The panel - rear gate is heavy. When removing and installing it, always work in a team of two or more persons.**



14) Remove the hinge - rear gate from the vehicle.

## 2. REAR GATE DAMPER STAY

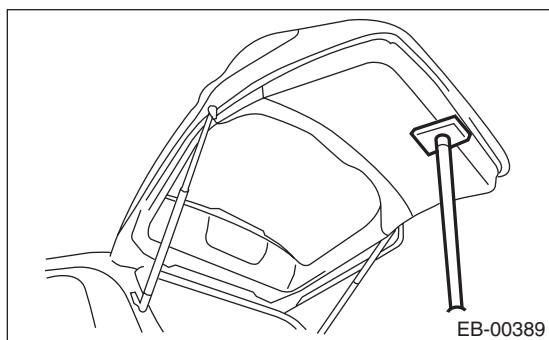
**CAUTION:**

- Do not damage piston rods and oil seals.
- Never disassemble cylinders: They contain gas.
- The panel - rear gate is heavy. When removing and installing it, always work in a team of two or more persons.

1) Before removing the stay assembly - rear gate, prevent the panel - rear gate from closing by using a prop or the like.

**CAUTION:**

**If the prop comes off, operators may get injured and vehicle may get damaged. Make sure to support the panel - rear gate with secure material to prevent injury or damage.**



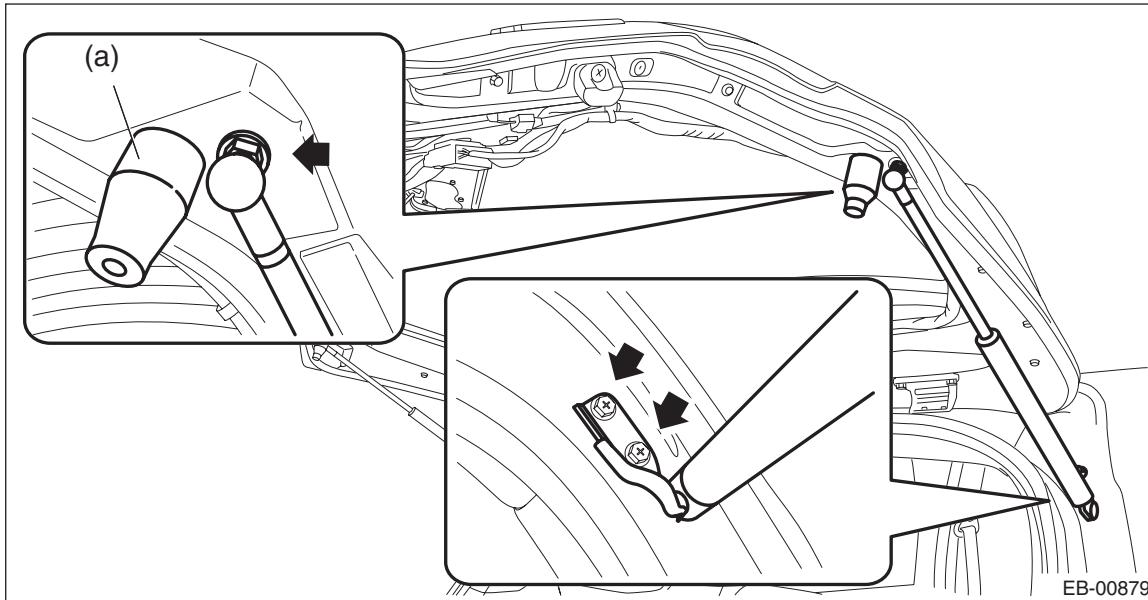
## Rear Gate

### EXTERIOR BODY PANELS

#### 2) Remove the stay assembly - rear gate.

(1) Remove the stopper - rear gate (a) and remove the attachment section on the side of the stay assembly - rear gate.

(2) Remove the mounting bolts on the body side.



## B: INSTALLATION

### 1. REAR GATE PANEL

#### CAUTION:

The panel - rear gate is heavy. When removing and installing it, always work in a team of two or more persons.

- 1) Install the hinge - rear gate to the vehicle body.
- 2) Temporarily install the panel - rear gate to the hinge - rear gate.

#### NOTE:

When installing, make sure that a uniform clearance is created around the panel - rear gate.

- 3) Adjust the clearance around the panel - rear gate. <Ref. to EB-61, ADJUSTMENT, Rear Gate.>
- 4) Tighten the bolts of the hinge - rear gate.

#### Tightening torque:

25 N·m (2.55 kgf·m, 18.4 ft-lb)

- 5) Install each part in the reverse order of removal.

#### Tightening torque:

Rear gate parts: <Ref. to EB-8, REAR GATE, COMPONENT, General Description.>

Garnish assembly - rear gate: 4.5 N·m (0.46 kgf·m, 3.3 ft-lb)

Arm assembly - rear wiper and motor assembly - rear wiper: <Ref. to WW-3, REAR WIPER, COMPONENT, General Description.>

## 2. REAR GATE DAMPER STAY

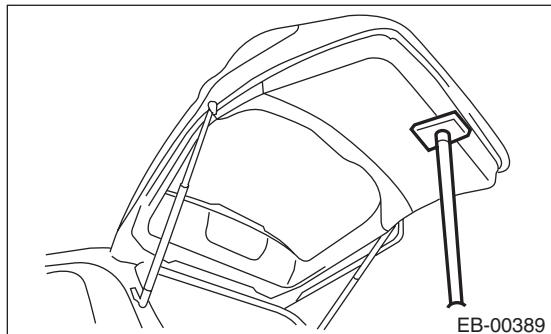
### CAUTION:

The panel - rear gate is heavy. When removing and installing it, always work in a team of two or more persons.

- 1) Prevent the panel - rear gate from closing using prop or the like.

### CAUTION:

If the prop comes off, operators may get injured and vehicle may get damaged. Make sure to support the panel - rear gate with secure material to prevent injury or damage.



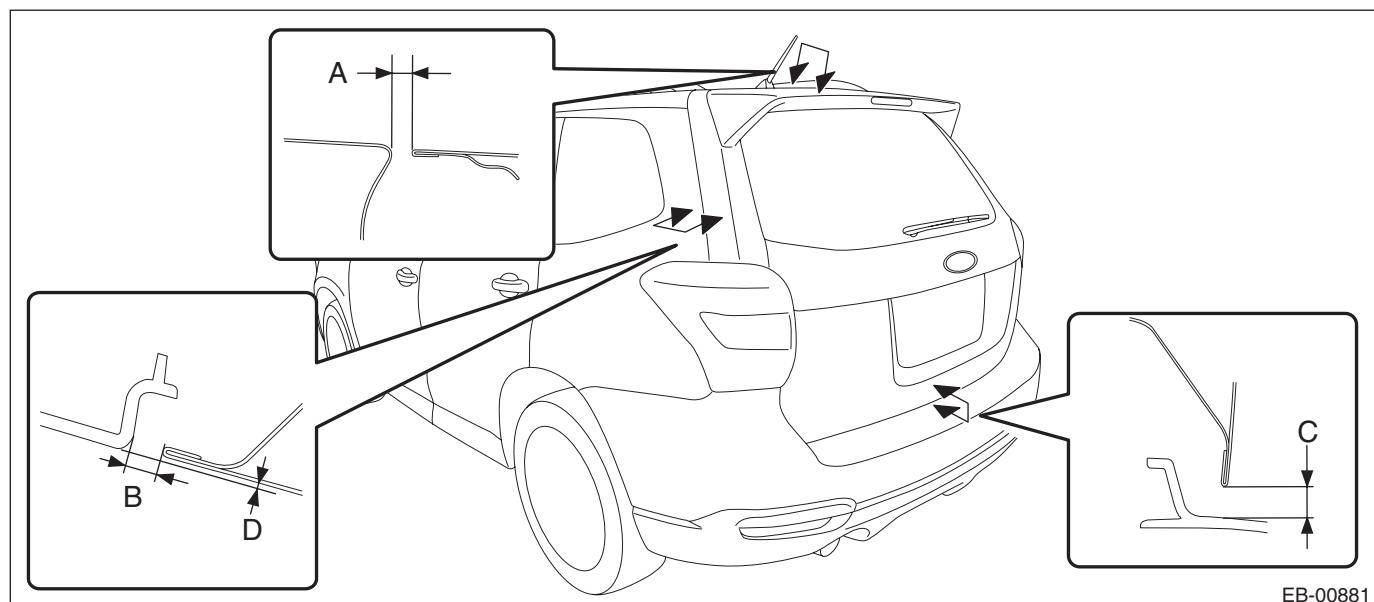
- 2) Install each part in the reverse order of removal.

### Tightening torque:

Refer to "COMPONENT" of "General Description". <Ref. to EB-8, REAR GATE, COMPONENT, General Description.>

## C: ADJUSTMENT

Adjust the clearance around the panel - rear gate as follows.



Part	Standard
A Panel - rear gate to Roof panel	$6.5+1.0, -0.5$ mm ( $0.26+0.04, -0.02$ in)
B Panel - rear gate to Panel side outer	$6.5\pm1.0$ mm ( $0.26\pm0.04$ in)
C Panel - rear gate to Bumper face - rear	$7.0\pm1.0$ mm ( $0.28\pm0.04$ in)
D Surface level gap: Panel - rear gate to Panel side outer	$0+0, -1.5$ mm ( $0+0, -0.06$ in)

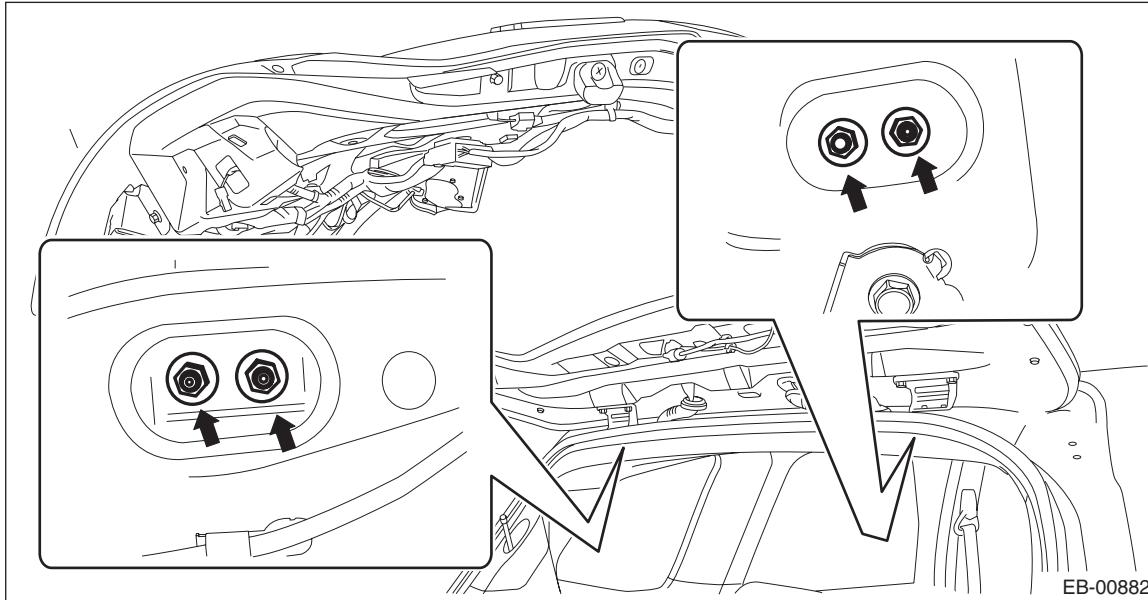
## Rear Gate

### EXTERIOR BODY PANELS

- 1) Remove the trim panel - roof assembly.<Ref. to EI-109, REMOVAL, Roof Trim.>
- 2) Adjust the vertical and horizontal positions of the panel - rear gate.

NOTE:

Adjust the panel - rear gate after removing the stay assembly - rear gate.

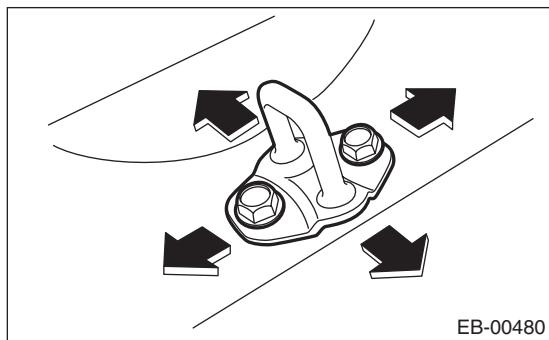


- (1) Loosen the mounting nuts on the body side of the hinge - rear gate.
- (2) Adjust the vertical and horizontal clearance of the panel - rear gate.

**Tightening torque:**

**25 N·m (2.55 kgf·m, 18.4 ft-lb)**

- 3) Adjust the surface level gap between the panel - rear gate and the body.



- (1) Remove the trim panel - rear skirt.
- (2) Loosen the bolt.
- (3) Tap the striker - rear gate using a plastic hammer to adjust the surface level gap between the panel - rear gate and the body.

**Tightening torque:**

**25 N·m (2.55 kgf·m, 18.4 ft-lb)**

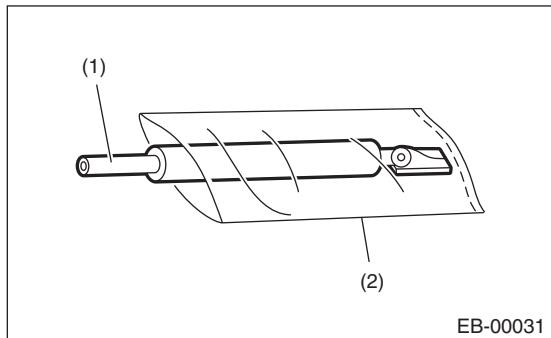
### D: DISPOSAL

#### 1. REAR GATE DAMPER STAY

##### CAUTION:

Gas is colorless, odorless, and harmless. However, gas pressure may spray cutting powder or oil. Be sure to wear dust-resistant goggles.

- 1) Cover with a vinyl sack as shown in the figure.



(1) Stay ASSY - rear gate

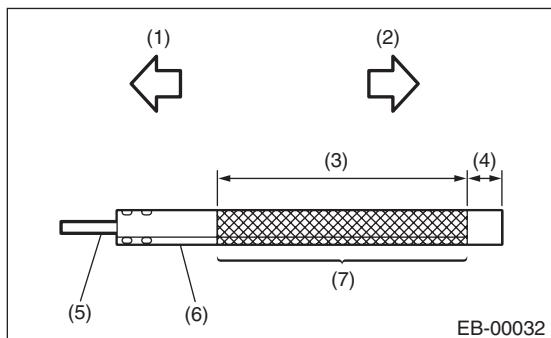
(2) Vinyl sack

##### NOTE:

Prevent the vinyl sack from being caught by drill cutting edge.

- 2) Lift the body side slightly with piston rods fully extended, and secure the body side with vise.

Drill a hole of 2 to 3 mm (0.08 to 0.12 in) diameter at a point 6 to 196 mm (0.24 to 7.72 in) from the body side, and bleed the gas in the stay assembly - rear gate completely.



(1) Door side

(2) Body side

(3) 196 mm (7.72 in)

(4) 6 mm (0.24 in)

(5) Piston rod

(6) Cylinder

(7) Portion to be drilled