

10.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. <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.

2) Remove the following parts. <Ref. to EI-163, REMOVAL, Rear Gate Garnish.>

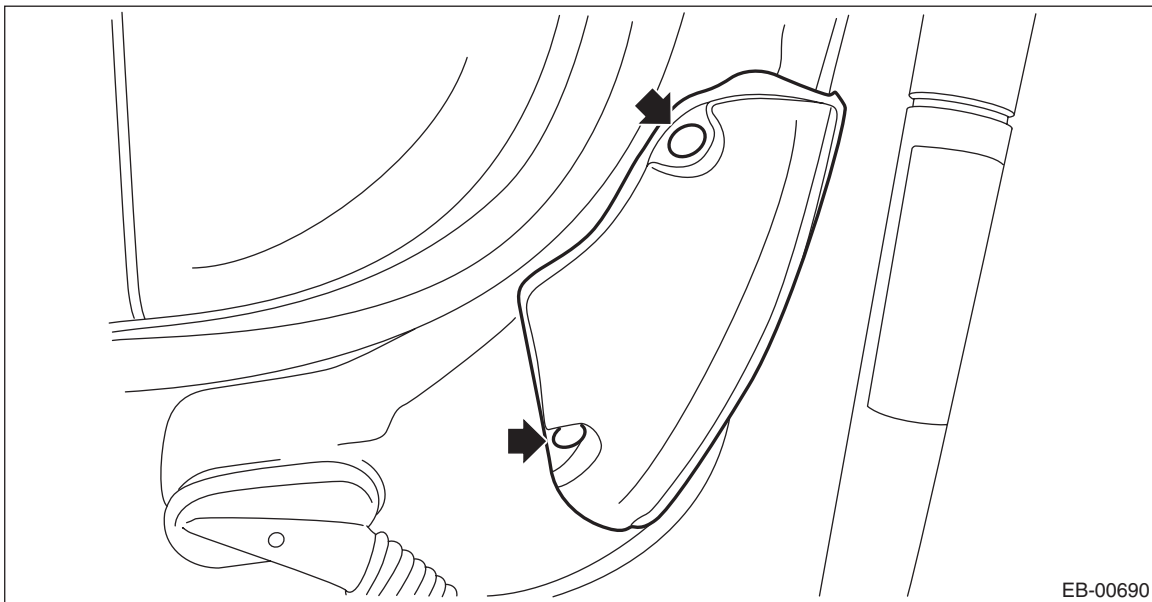
- Trim panel - rear gate
- Arm assembly - rear wiper and motor assembly - rear wiper
- Garnish assembly - rear gate

3) Remove the roof spoiler. (XV model) <Ref. to EI-71, REMOVAL, Roof Spoiler.>

4) Remove the light assembly - high-mounted and the nozzle - rear washer. <Ref. to WW-51, REMOVAL, Rear Washer.>

5) Remove the rear gate latch and actuator - rear gate. <Ref. to SL-56, REMOVAL, Rear Gate Latch and Actuator Assembly.>

6) Remove the clips, and remove the drip - rear gate.



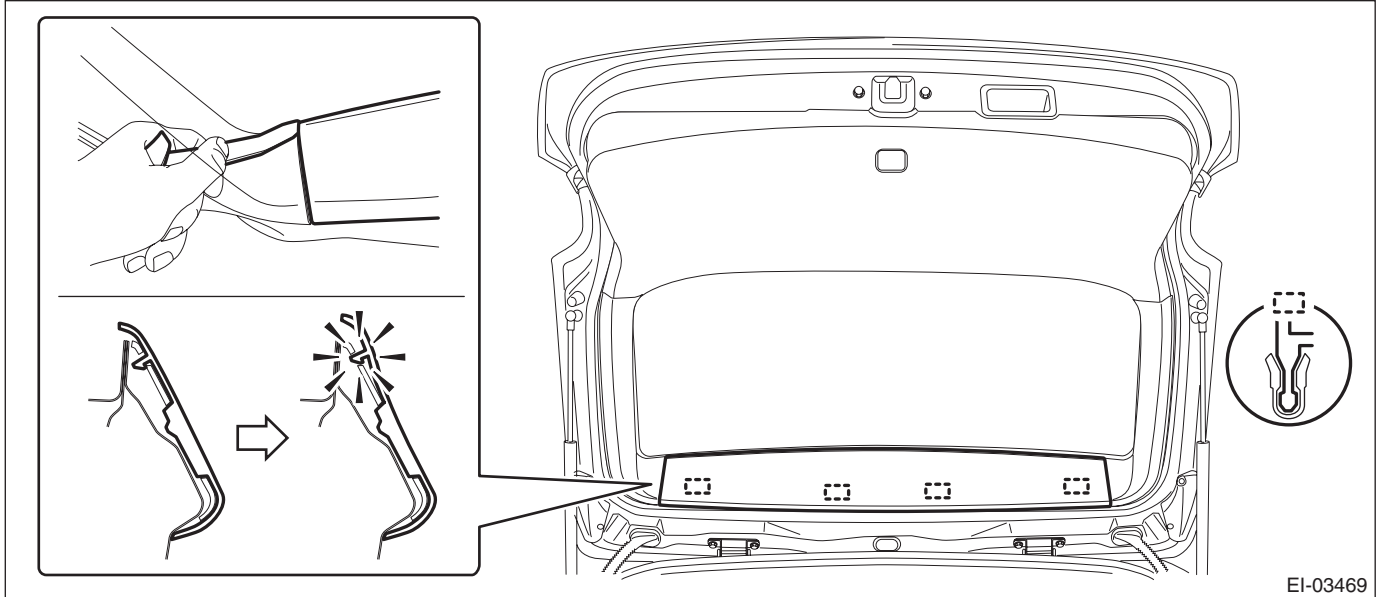
Rear Gate

EXTERIOR BODY PANELS

7) Remove the trim panel - rear gate UPR.

(1) Remove the claws on the trim edge.

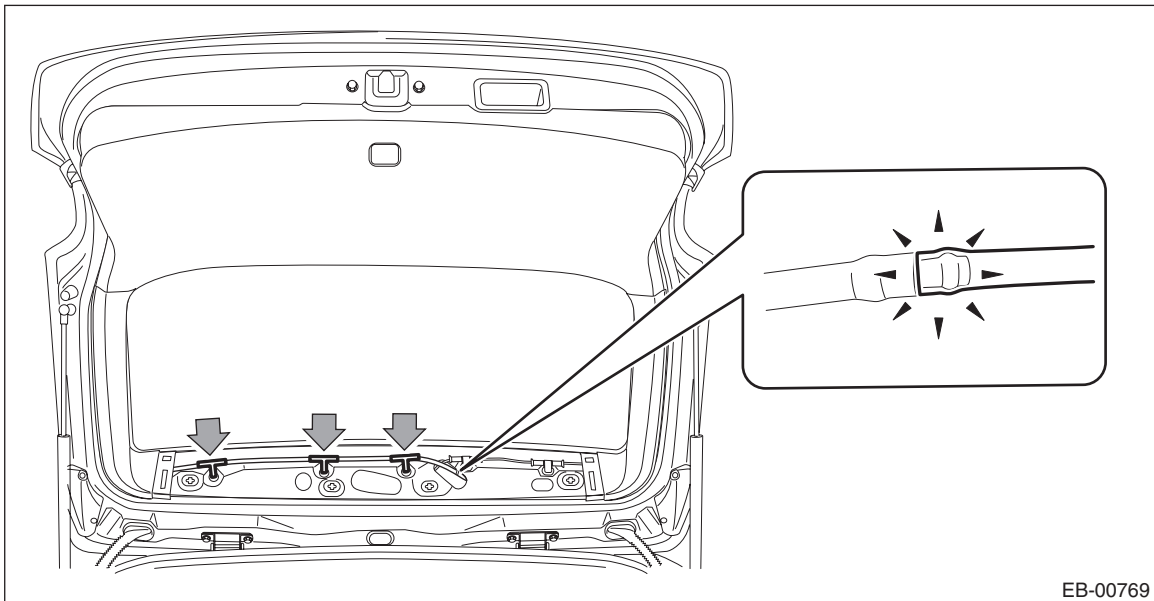
(2) Release the claws in the center of trim, and remove the trim panel - rear gate UPR.



8) Disconnect the hose assembly - rear washer.

(1) Disconnect the joint portion of the hose assembly - rear washer.

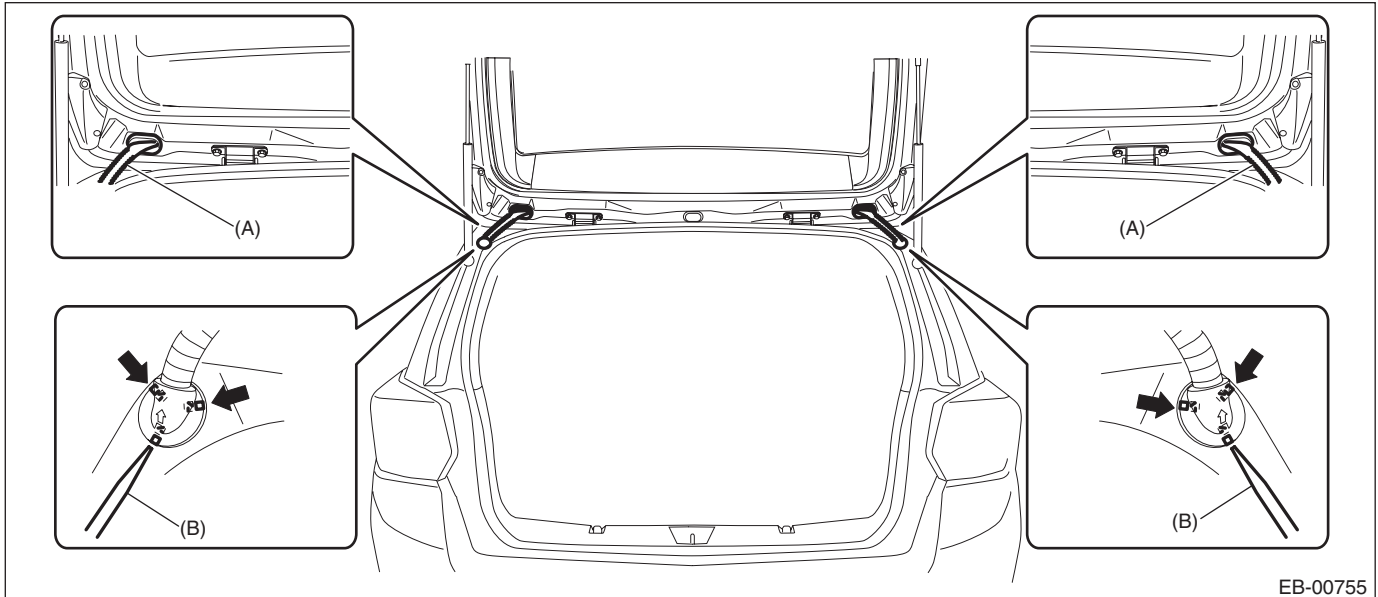
(2) Remove the clip.



9) Remove the rubber duct (A).

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

(2) Remove the rubber duct (A) connection.



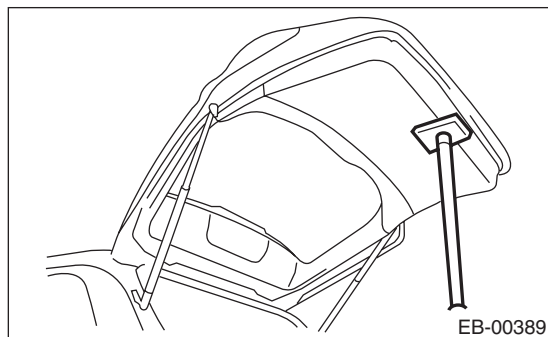
10) Pull out the harness and the hose assembly - rear washer from the panel - rear gate.

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

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

CAUTION:

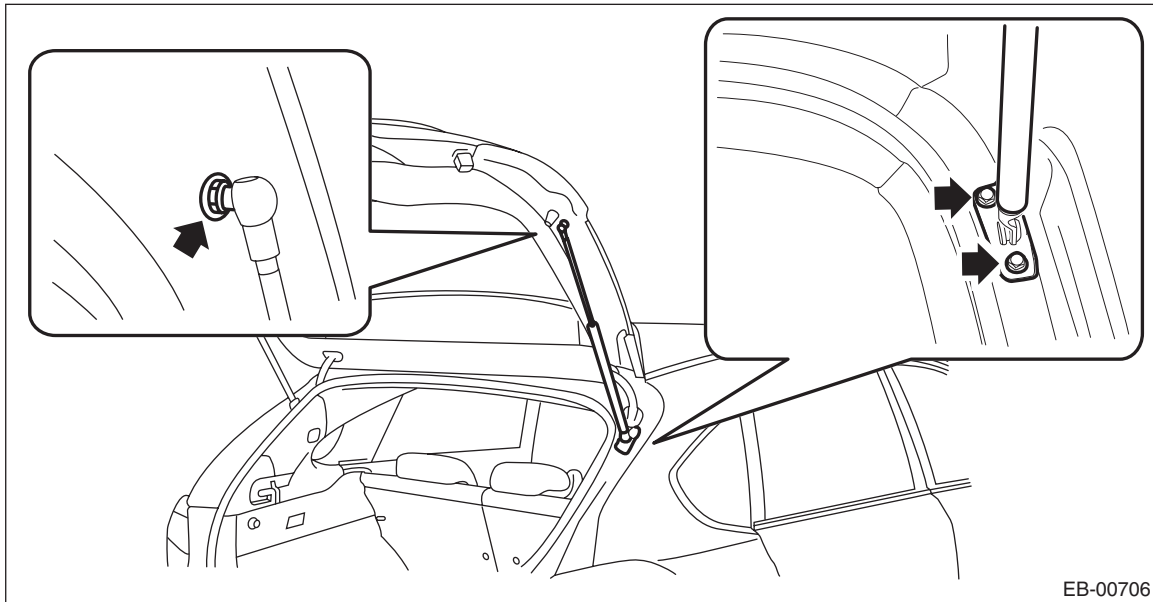
If the prop comes off, operators may get injured and vehicle may get damaged. Make sure to support the panel - rear gate with secure material to prevent injury or damage.



Rear Gate

EXTERIOR BODY PANELS

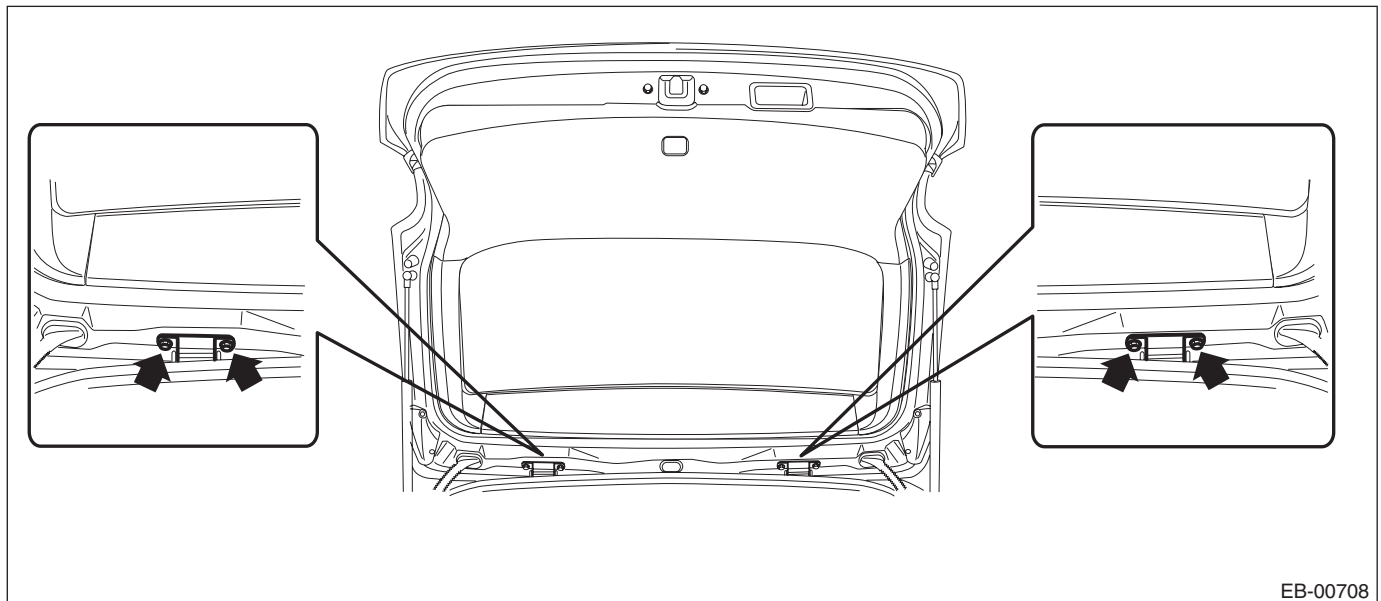
13) Remove the mounting bolts from the stay assembly - rear gate.



14) 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.



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

2. REAR GATE DAMPER STAY

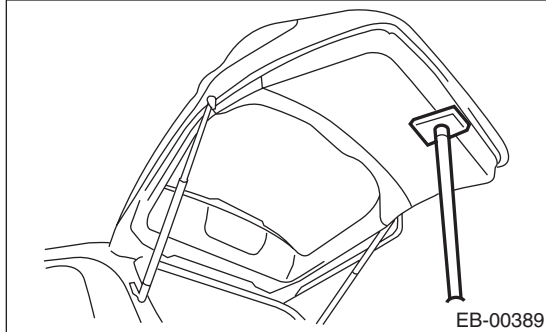
CAUTION:

- 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.

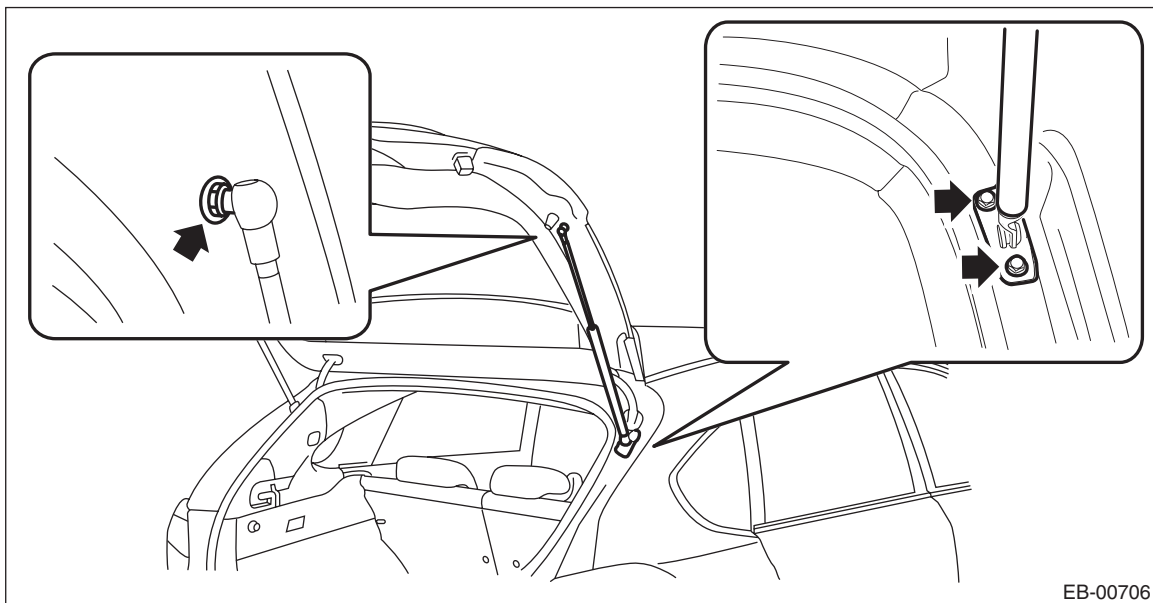
1) Before removing the stay assembly - rear gate, prevent the panel - rear gate from closing by using a prop or the like.

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.



2) Remove the mounting bolts and remove the stay assembly - rear gate.



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-67, 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-7, 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-4, REAR WIPER, COMPONENT, General Description.>

Roof spoiler (XV model): 7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

2. REAR GATE DAMPER STAY

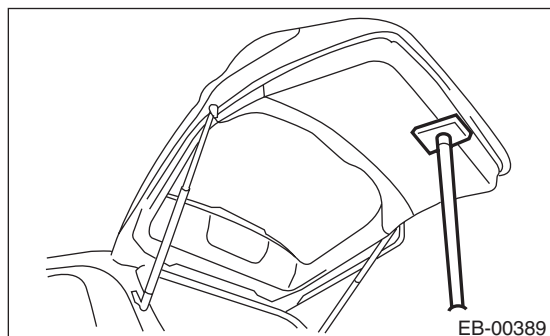
CAUTION:

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.



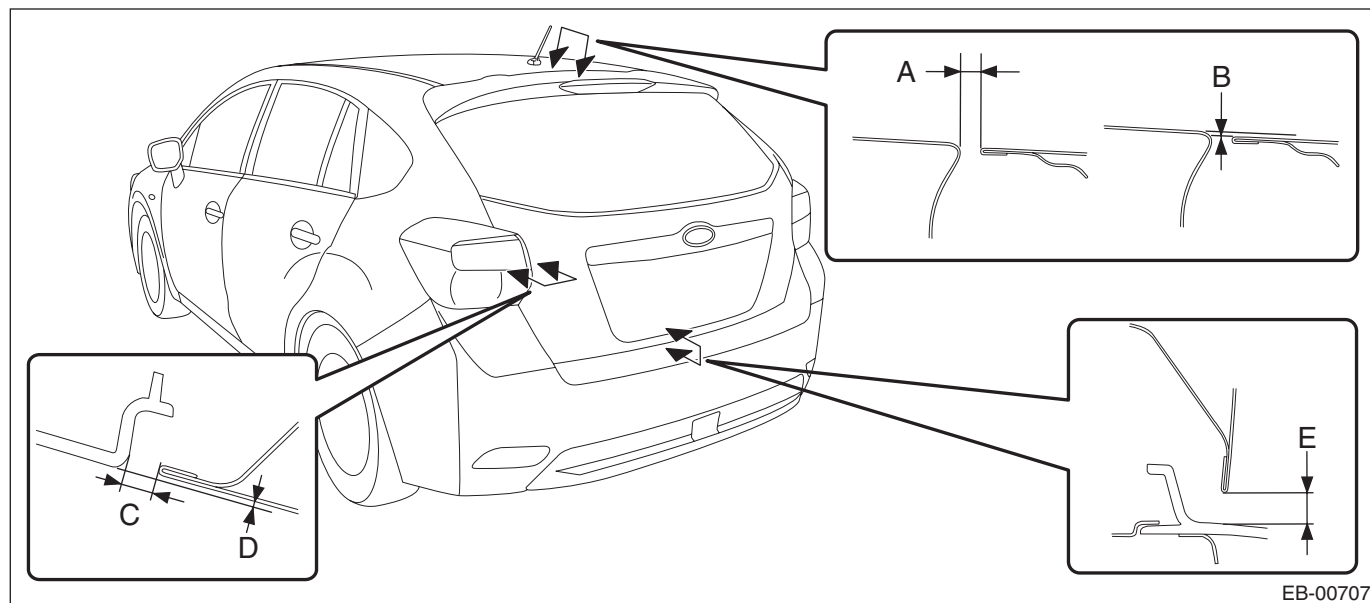
- 2) Install each part in the reverse order of removal.

Tightening torque:

Refer to “COMPONENT” of “General Description”. <Ref. to EB-7, REAR GATE, COMPONENT, General Description.>

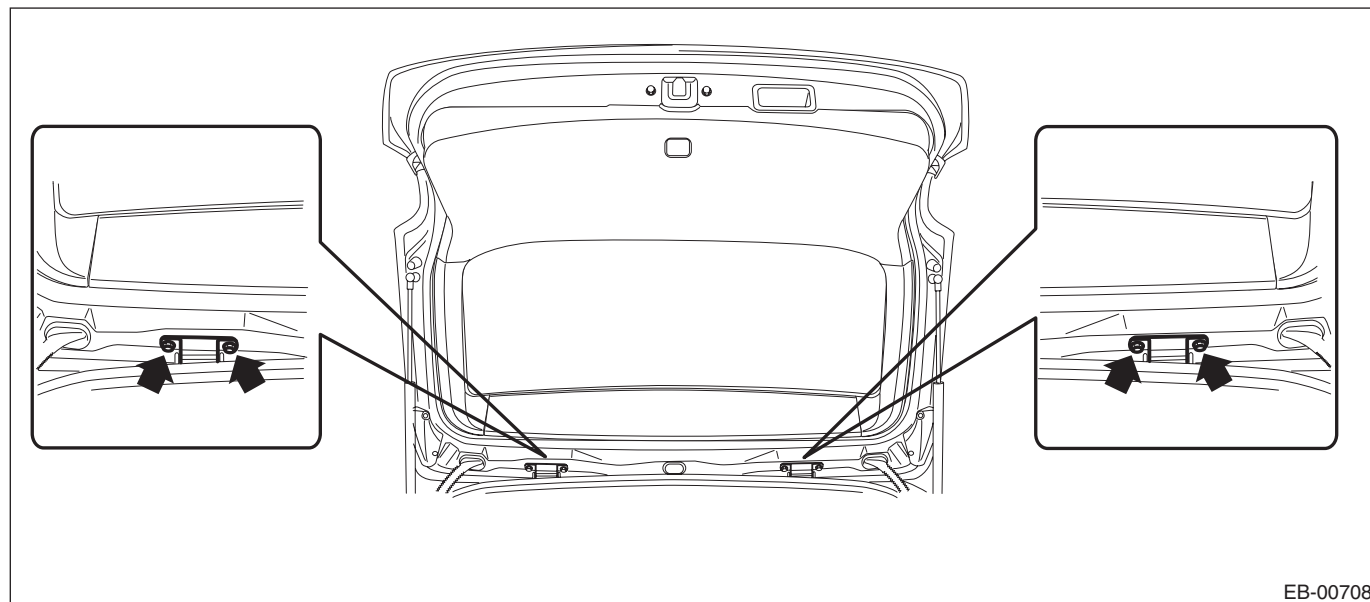
C: ADJUSTMENT

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



Part		Standard
A	Panel - rear gate to Roof panel	$6.0+1.0, -0.5$ mm ($0.24+0.04, -0.02$ in)
B	Surface level gap: Panel - rear gate to Roof panel	1.0 ± 1.0 mm (0.04 ± 0.04 in)
C	Panel - rear gate to Light assembly - rear combination	6.0 ± 1.0 mm (0.24 ± 0.04 in)
D	Surface level gap: Panel - rear gate to Light assembly - rear combination	1.0 ± 1.0 mm (0.04 ± 0.04 in)
E	Panel - rear gate to Bumper face - rear	8.0 ± 1.5 mm (0.31 ± 0.06 in)

1) Adjust the vertical and horizontal positions of the panel - rear gate.



- (1) Loosen the mounting bolts of the hinge - rear gate.
- (2) Adjust the vertical and horizontal clearance of the panel - rear gate.

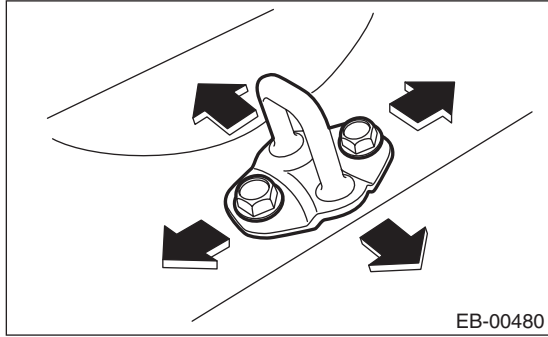
Tightening torque:

25 N·m (2.55 kgf-m, 18.4 ft-lb)

Rear Gate

EXTERIOR BODY PANELS

2) 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.

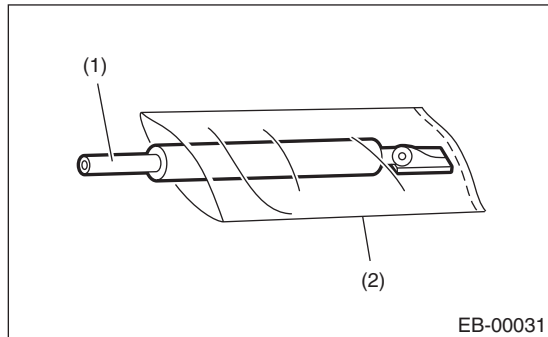
Tightening torque:

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

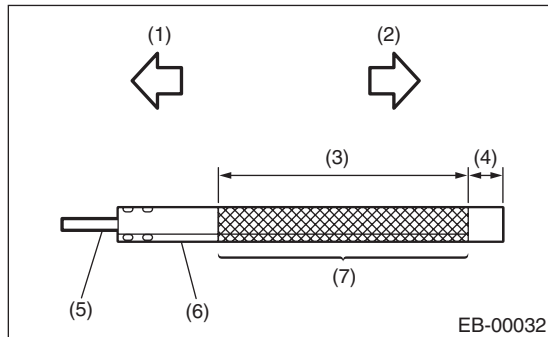
(2) Vinyl sack

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