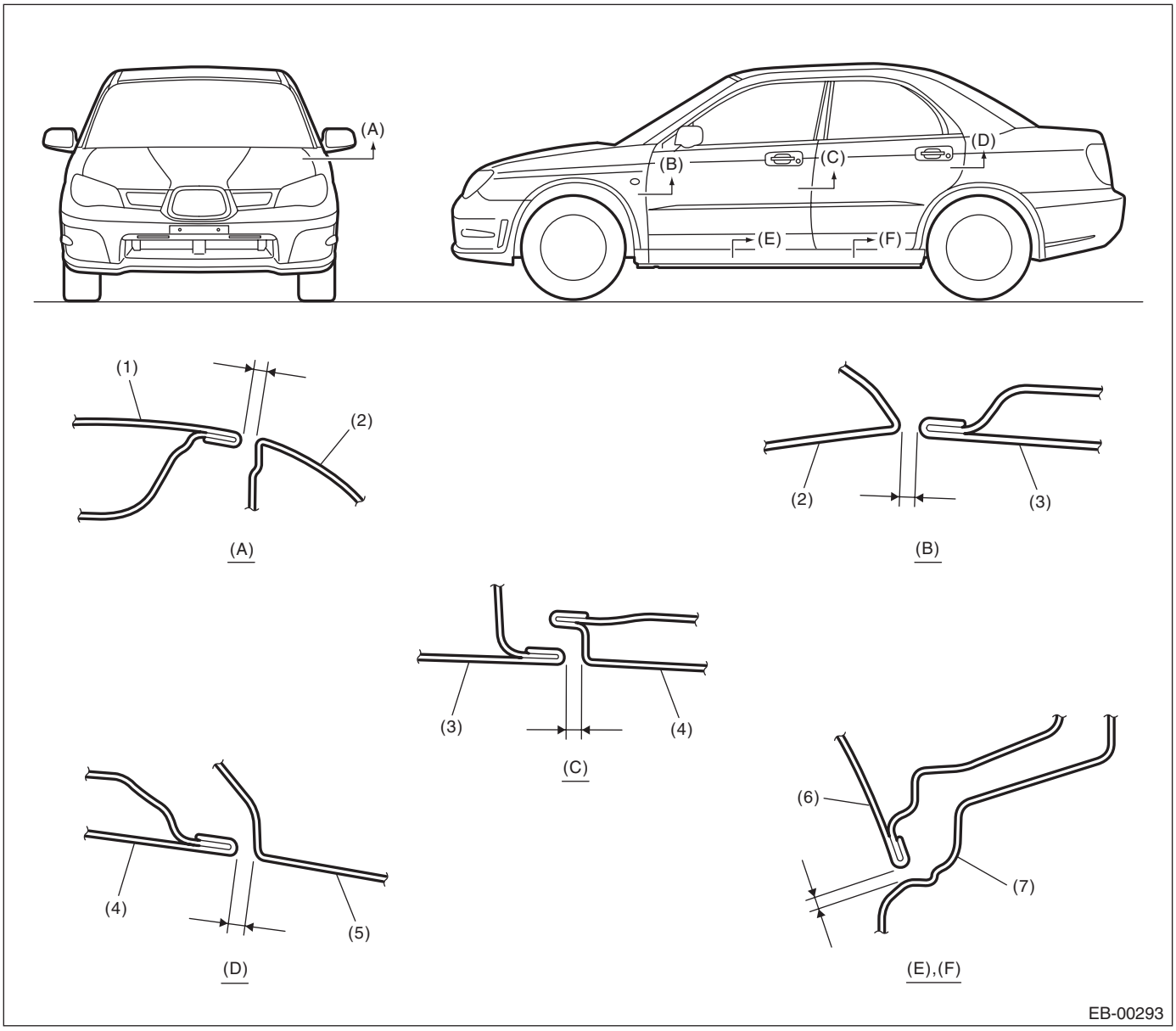
EXTERIOR BODY PANELS

1. General Description

A: SPECIFICATION

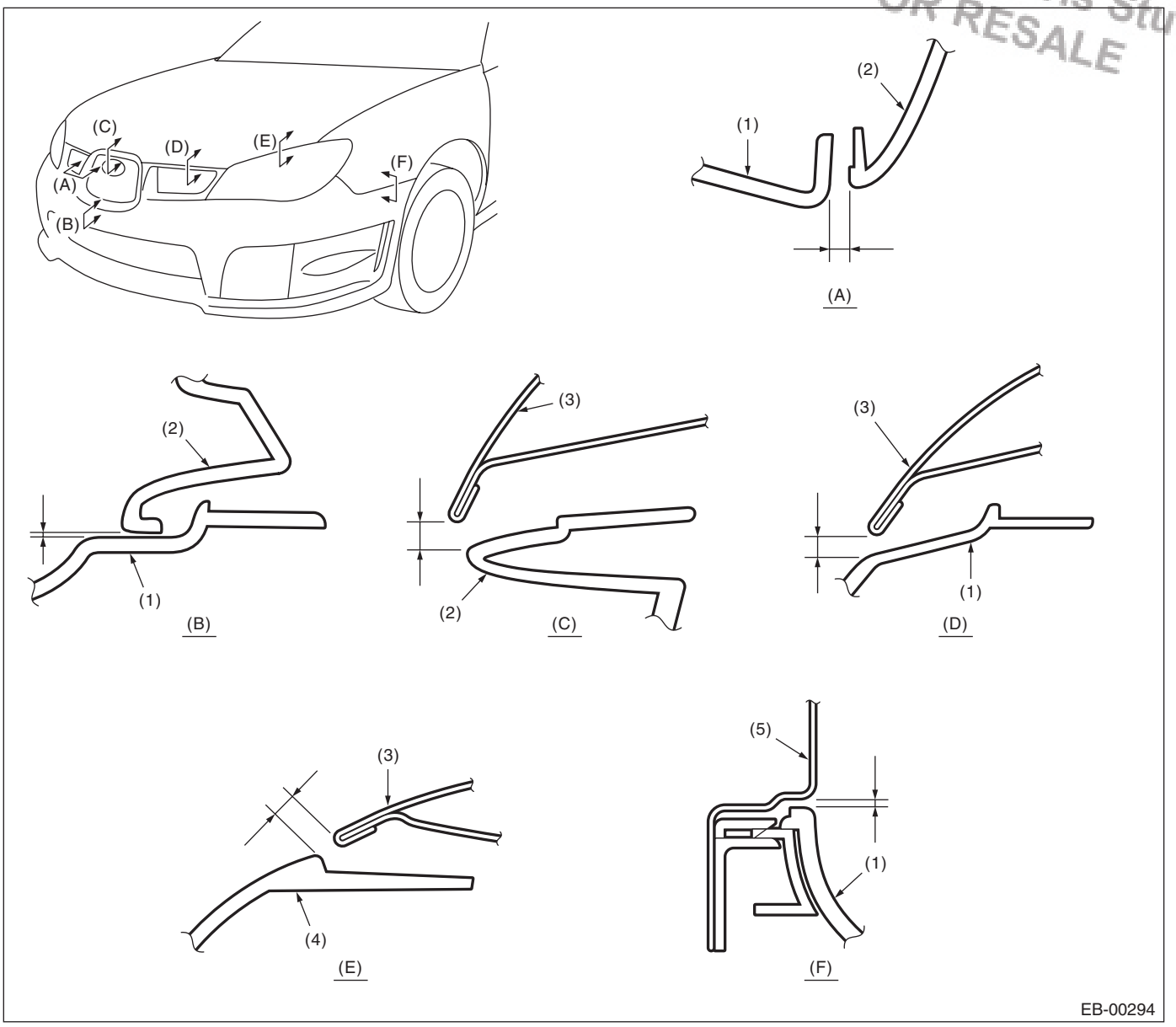
1. SIDE



(1) Front hood panel
(2) Front fender panel
(3) Front door panel
(4) Rear door panel
(5) Rear quarter panel
(6) Door panel
(7) Side sill

Section	Part	Standard
(A)	Front hood panel to Front fender panel	3.5±1.0 mm (0.14±0.04 in)
(B)	Front fender panel to Front door panel	4.7±1.0 mm (0.19±0.04 in)
(C)	Front door panel to Rear door panel	5.1±1.0 mm (0.20±0.04 in)
(D)	Rear door panel to Rear quarter panel	4.6±1.0 mm (0.18±0.04 in)
(E), (F)	Door panel to Side sill	5.9±1.0 mm (0.23±0.04 in)

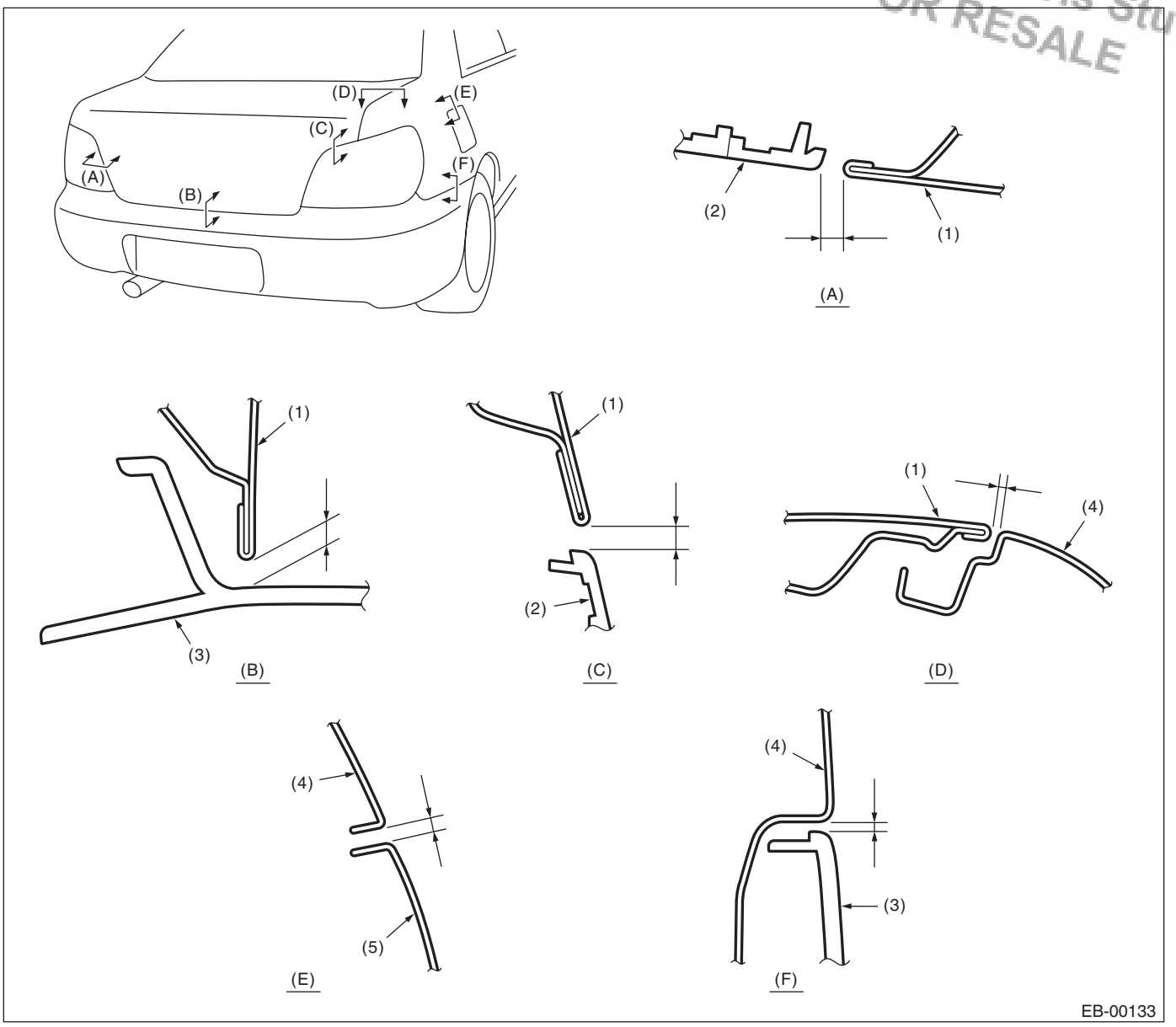
2. FRONT



(1) Front bumper
(2) Front grille
(3) Front hood panel
(4) Headlight
(5) Front fender panel

Section	Part	Standard
(A)	Front bumper to Front grille (lateral direction)	$0.5^{+1.0}_{-0.5}$ mm ($0.02^{+0.22}_{-0.02}$ in)
(B)	Front bumper to Front grille (longitudinal direction)	0.5±0.5 mm (0.02±0.02 in)
(C)	Front hood panel to Front grille	5.5±1.0 mm (0.22±0.04 in)
(D)	Front hood panel to Front bumper	5.5±1.0 mm (0.22±0.04 in)
(E)	Front hood panel to Headlight	5.5±1.0 mm (0.22±0.04 in)
(F)	Front fender panel to Front bumper	1.0±0.7 mm (0.04±0.03 in)

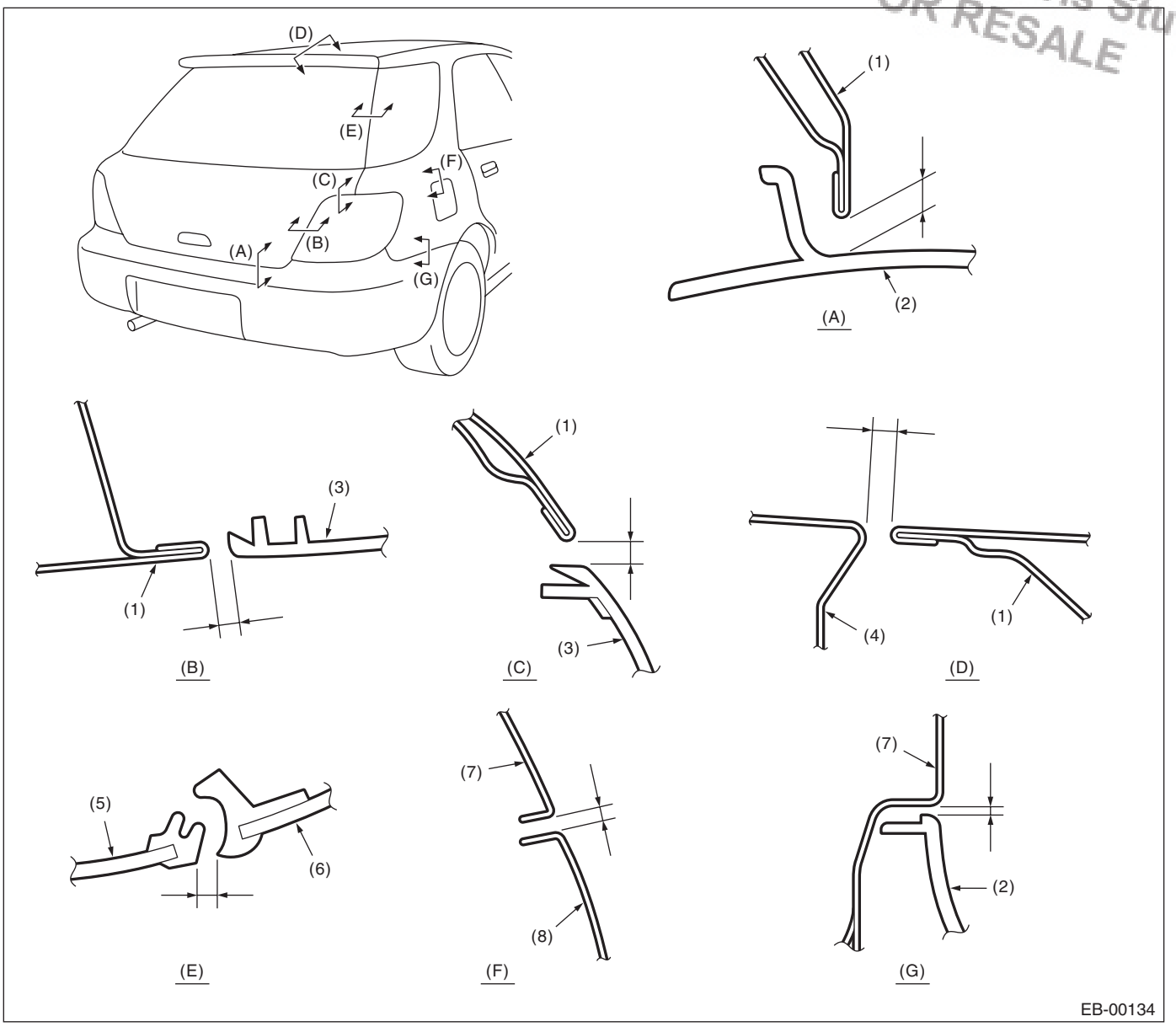
3. REAR (SEDAN MODEL)



(1) Trunk lid panel
(2) Rear combination light
(3) Rear bumper
(4) Rear fender panel
(5) Fuel filler flap lid

Section	Part	Standard
(A)	Trunk lid panel to Rear combination light (lateral direction)	5.0±1.0 mm (0.20±0.04 in)
(B)	Trunk lid panel to Rear bumper	7.0±1.5 mm (0.28±0.06 in)
(C)	Trunk lid panel to Rear combination light (longitudinal direction)	7.0±1.0 mm (0.28±0.04 in)
(D)	Trunk lid panel to Rear fender panel	4.0±1.0 mm (0.16±0.04 in)
(E)	Rear fender panel to Fuel filler flap lid	3.5±0.5 mm (0.14±0.02 in)
(F)	Rear fender panel to Rear bumper	0.3 — 2.2 mm (0.01 — 0.09 in)

4. REAR (WAGON MODEL)

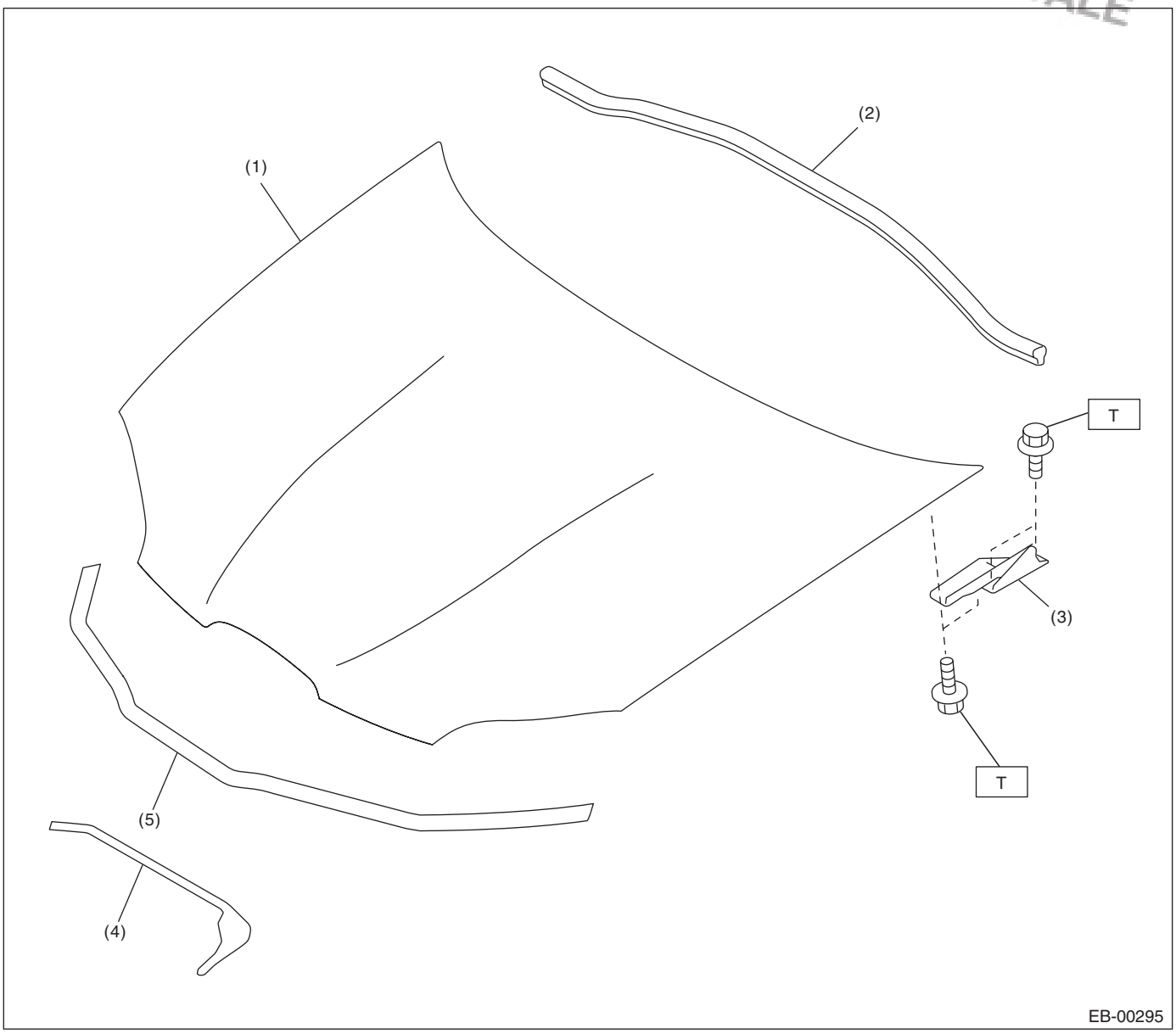


(1) Rear gate panel
(2) Rear bumper
(3) Rear combination light
(4) Roof panel
(5) Rear gate glass
(6) Rear quarter glass
(7) Rear fender panel
(8) Fuel filler flap lid

Section	Part	Standard
(A)	Rear gate panel to Rear bumper	8.3±1.5 mm (0.33±0.06 in)
(B)	Rear gate panel to Rear combination light (lateral direction)	5.0±1.0 mm (0.20±0.04 in)
(C)	Rear gate panel to Rear combination light (longitudinal direction)	6.0±1.0 mm (0.24±0.04 in)
(D)	Roof panel to Rear gate panel	6.1 — 7.6 mm (0.24 — 0.30 in)
(E)	Rear gate glass to Rear quarter glass	6.0±1.5 mm (0.24±0.06 in)
(F)	Rear fender panel to Fuel filler flap lid	3.5±0.5 mm (0.14±0.02 in)
(G)	Rear fender panel to Rear bumper	0.3 — 2.2 mm (0.01 — 0.09 in)

B: COMPONENT

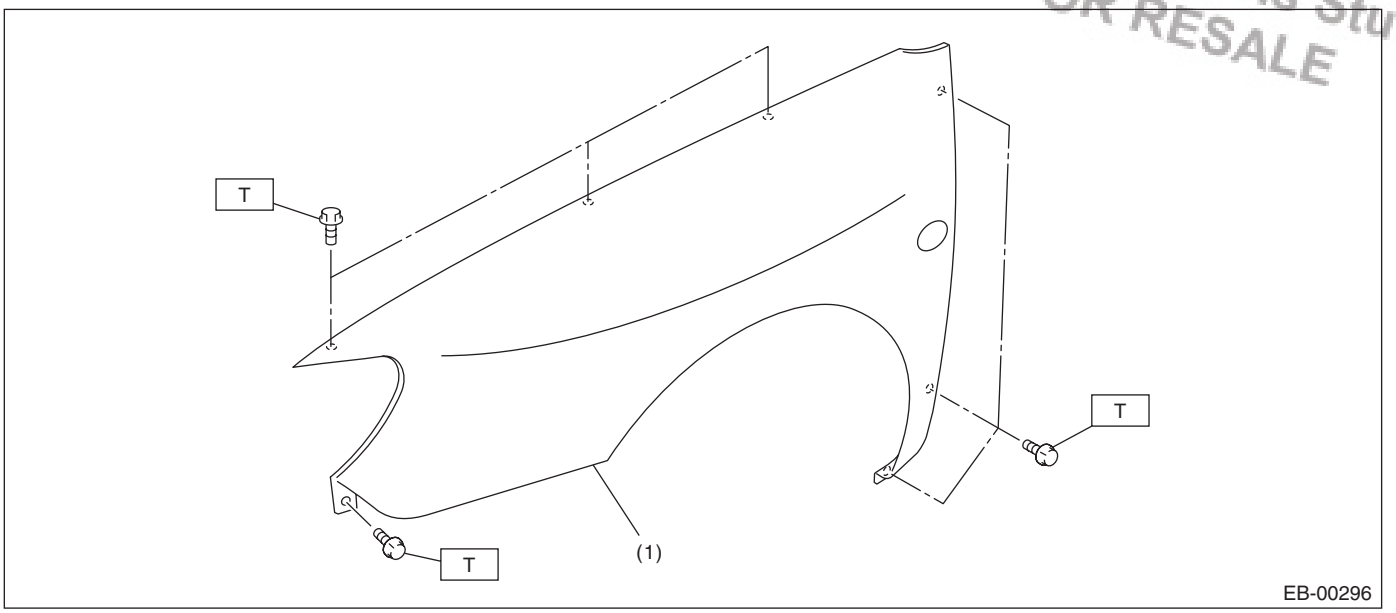
1. FRONT HOOD



(1) Front hood
(2) Seal (front panel)
(3) Hinge
(4) Seal (intake duct)
(5) Seal (front hood)

Tightening torque:N·m (kgf-m, ft-lb)
T: 37.0 (3.6, 27.3)

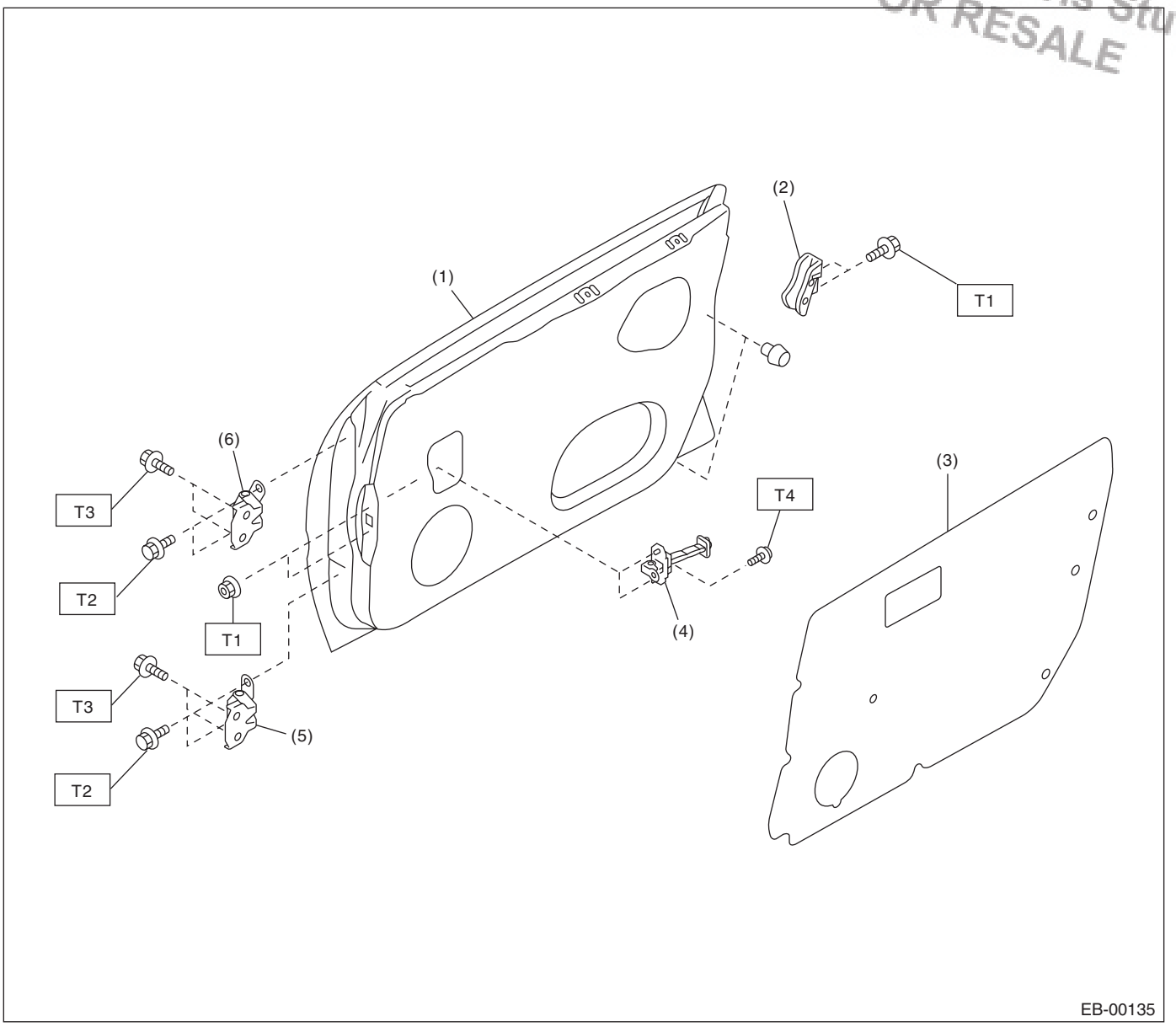
2. FRONT FENDER PANEL



(1) Front fender panel

Tightening torque:N·m (kgf-m, ft-lb)
T: 7.5 (0.76, 5.5)

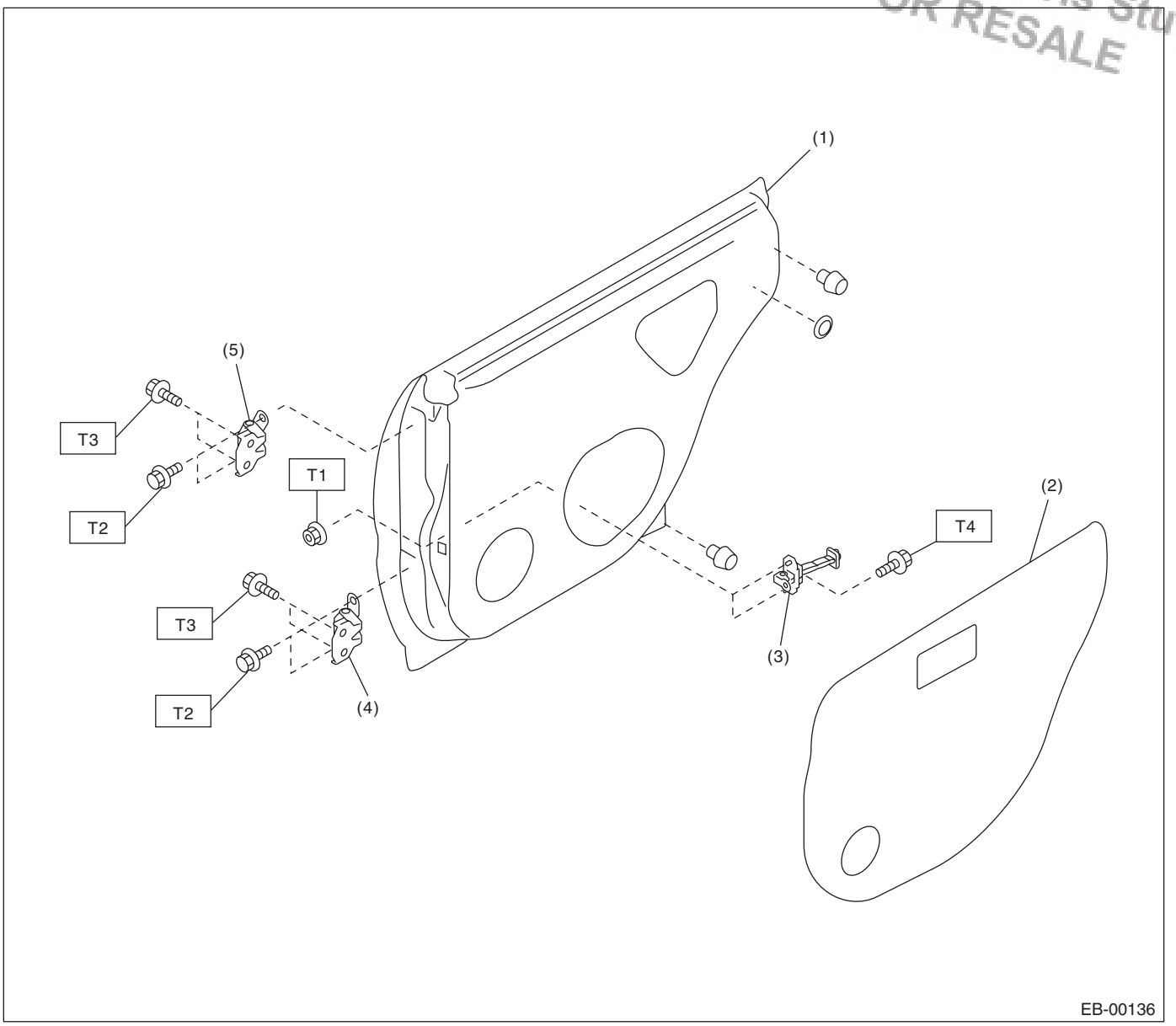
3. FRONT DOOR PANEL



(1) Front door panel
(2) Guide
(3) Sealing cover
(4) Checker
(5) Lower hinge
(6) Upper hinge

Tightening torque:N·m (kgf-m, ft-lb)
T1: 7.4 (0.75, 5.5)
T2: 24.5 (2.5, 18.1)
T3: 29.4 (3.0, 21.7)
T4: 32.3 (3.3, 23.8)

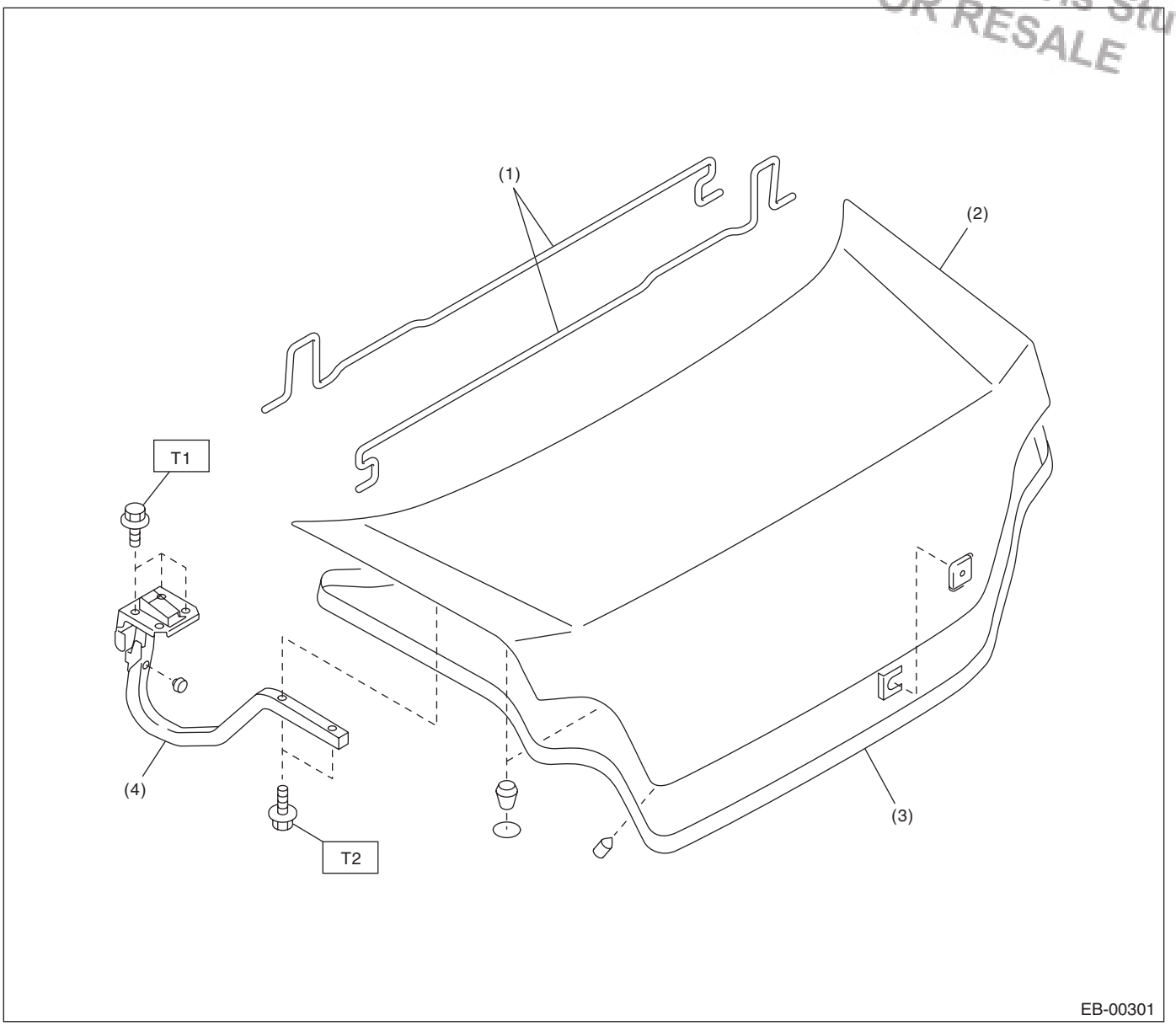
4. REAR DOOR PANEL



(1) Rear door panel
(2) Sealing cover
(3) Checker
(4) Lower hinge
(5) Upper hinge

Tightening torque:N·m (kgf-m, ft-lb)
T1: 7.4 (0.75, 5.5)
T2: 24.5 (2.5, 18.1)
T3: 29.4 (3.0, 21.7)
T4: 32.3 (3.3, 23.8)

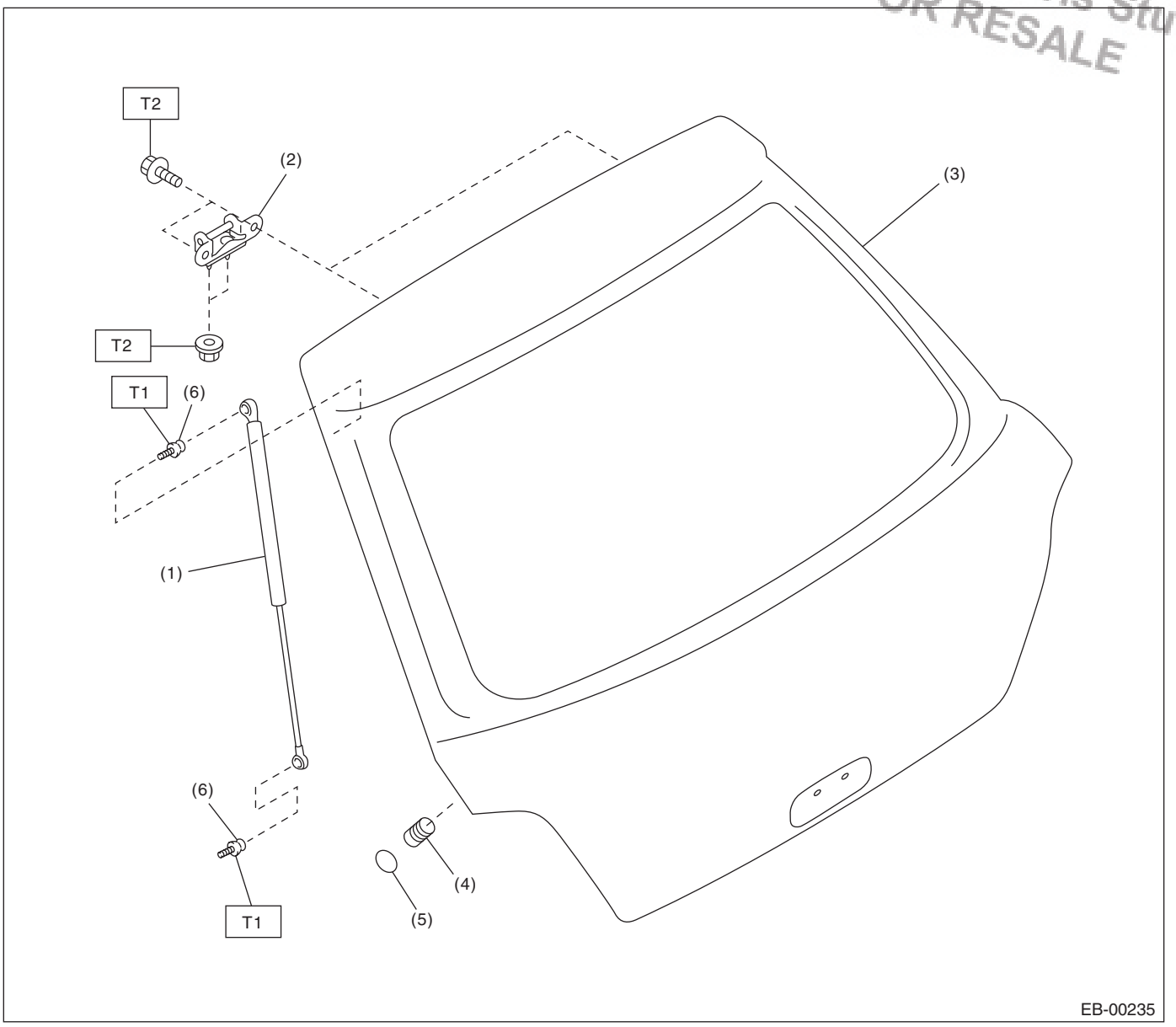
5. TRUNK LID PANEL



(1) Torsion bar
(2) Trunk lid panel
(3) Weather strip
(4) Hinge ASSY

Tightening torque:N·m (kgf-m, ft-lb)
T1: 7.5 (0.76, 5.5)
T2: 14 (1.43, 10.3)

6. REAR GATE PANEL



(1) Rear gate damper stay
(2) Hinge
(3) Rear gate panel
(4) Stopper rubber
(5) Protector seat
(6) Stud bolt

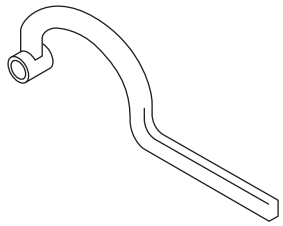
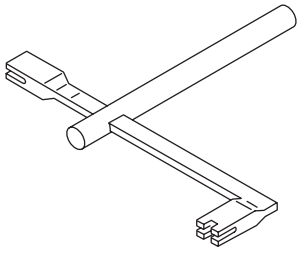
Tightening torque:N·m (kgf-m, ft-lb)
T1: 19.6 (2.0, 14.5)
T2: 24.5 (2.5, 18.1)

C: CAUTION

- Exterior body panels are heavy. Do not drop and damage the panels. During removal and installation, do not damage the panel painting surface.
- While removing mounting bolts, using assistance devices such as a support jack will help support the panel.
- Be careful not to lose small parts.

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-925610000	925610000	WRENCH	Used for removing and installing door hinge.
 ST-927780000	927780000	REMOVER	Used for removing and installing the trunk torsion bar.

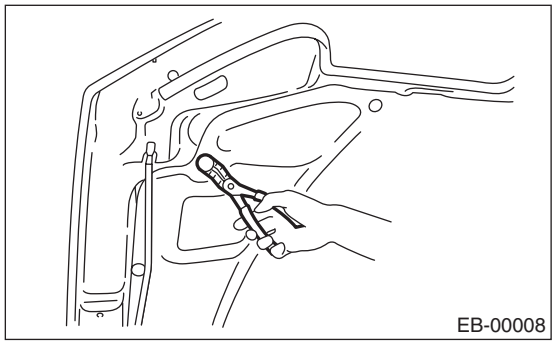
2. GENERAL TOOL

TOOL NAME	REMARKS
Support jack	Used for supporting door panel.

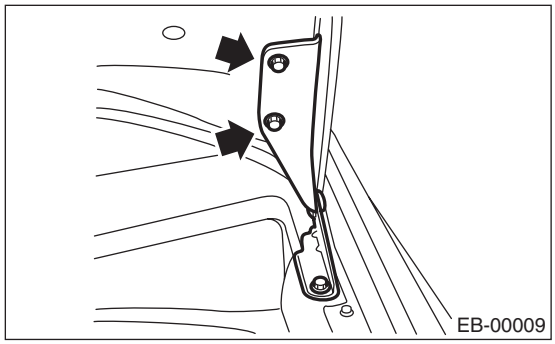
2. Front Hood

A: REMOVAL

1) Open the front hood to remove the washer nozzles.
2) Release the clips to remove the front hood insulator.



3) Remove the bolts to disconnect the hood from hinges.



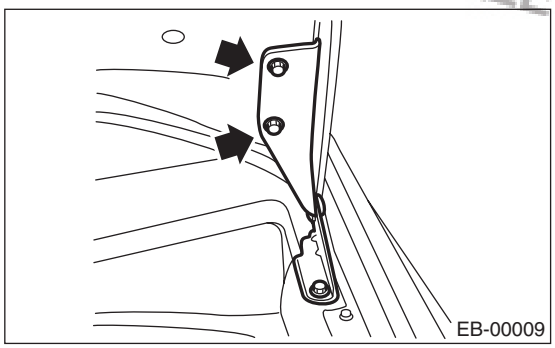
B: INSTALLATION

1) Install in the reverse order of removal.
2) Adjust the clearance between front hood panel and front fender panel. Clearance must be equal at both sides.

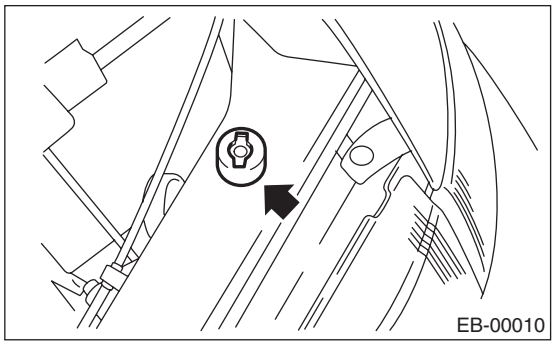
Tightening torque:
37.0 N·m (3.6 kgf-m, 27.3 ft-lb)

C: ADJUSTMENT

1) Use a hinge mounting holes to align the front hood longitudinally and laterally.



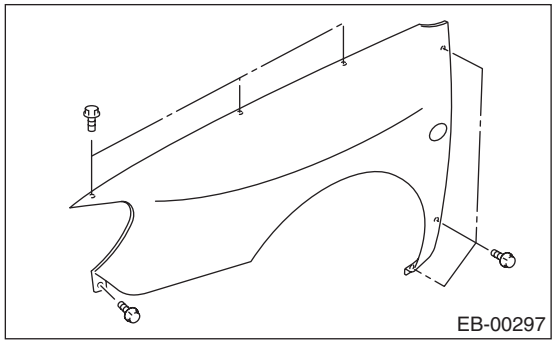
2) Adjust the height at the front end of hood. <Ref. to SL-42, ADJUSTMENT, Front Hood Lock Assembly.>
3) Rotate the hood buffer to adjust lateral height.



3. Front Fender

A: REMOVAL

1) Disconnect the ground cable from the battery.
2) Remove the side sill spoilers. <Ref. to EI-37, REMOVAL, Side Sill Spoiler.>(model with side sill spoiler)
3) Remove the front bumper face. <Ref. to EI-24, REMOVAL, Front Bumper.>
4) Remove the headlight. <Ref. to LI-15, REMOVAL, Headlight Assembly.>
5) Remove the mud guard. <Ref. to EI-33, REMOVAL, Mud Guard.>
6) Remove the bolt, and remove the front fender panel.



B: INSTALLATION

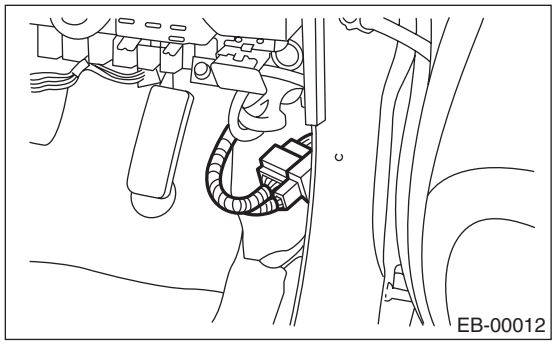
1) Install in the reverse order of removal.
2) When the front fender panel is installed, the clearance between front fender panel and front hood panel must be equal.

Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

4. Front Door

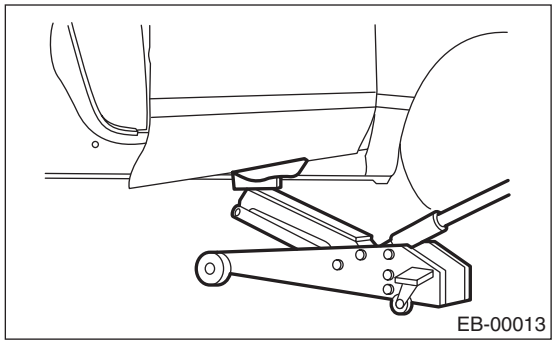
A: REMOVAL

1) Disconnect the ground cable from the battery.
2) Remove the front door trim. <Ref. to EI-41, REMOVAL, Front Door Trim.>
3) Remove the outer mirror assembly. <Ref. to GW-18, REMOVAL, Outer Mirror Assembly.>
4) Remove the front door glass. <Ref. to GW-11, REMOVAL, Front Door Glass.>
5) Remove the front door regulator and motor. <Ref. to GW-15, REMOVAL, Front Regulator and Motor Assembly.>
6) Remove the front door latch assembly. <Ref. to SL-31, REMOVAL, Front Door Latch and Door Lock Actuator Assembly.>
7) Remove the front outer handle. <Ref. to SL-30, REMOVAL, Front Outer Handle.>
8) Remove the front pillar lower trim to disconnect connector from the body harness.

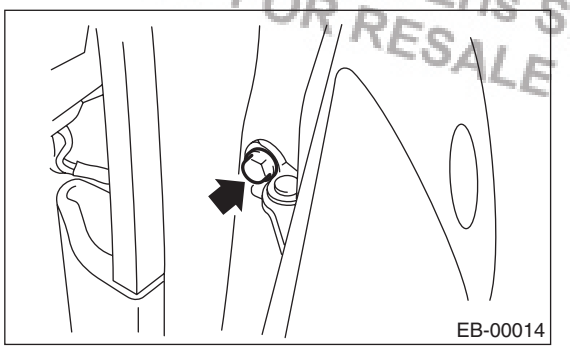

EB-00012

9) Put a wooden block on jack and place jack under the front door. Support the door with a jack to protect it from damage.

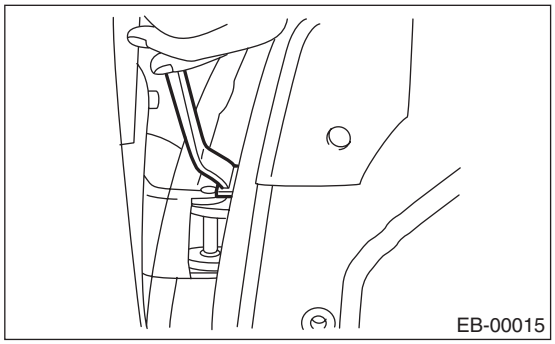
NOTE:
When supporting with jack, do not deform the hinge portion of door during work.


EB-00013

10) Remove the checker bolts.


EB-00014

11) Remove the door-side bolts for upper and lower hinges to remove front door panel.


EB-00015

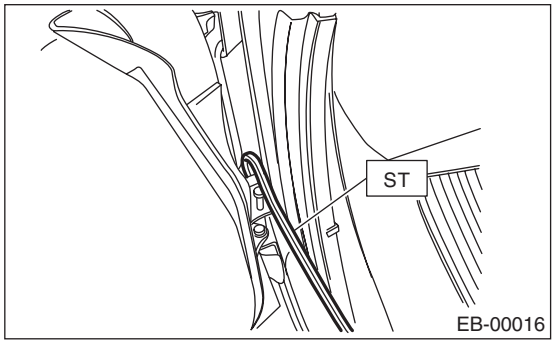
B: INSTALLATION

1) Install in the reverse order of removal.
2) Apply grease to the moving part of door hinges.

Tightening torque:
Refer to "COMPONENT" of "General Description". <Ref. to EB-7, FRONT FENDER PANEL, COMPONENT, General Description.>

C: ADJUSTMENT

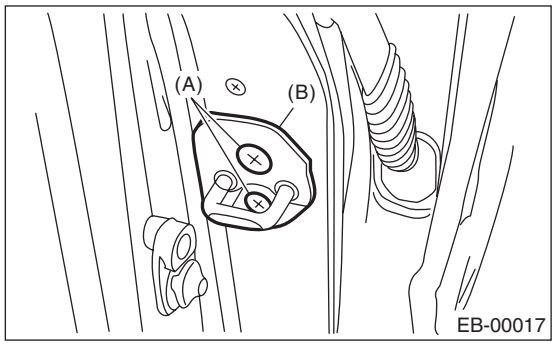
1) Using the ST, loosen the body-side bolts of upper and lower hinges to align the position for vertical and horizontal direction of the front door panel.
ST 925610000 WRENCH



EB-00016

2) Loosen the screw (A) and tap striker (B) using plastic hammer to adjust the gap between rear end surface of front door panel and front end surface of rear door.

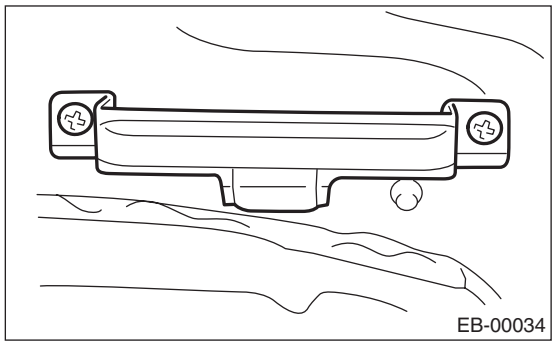
CAUTION:
Do not use an impact wrench. Welding area on the striker nut plate is easily broken.



5. Front Sealing Cover

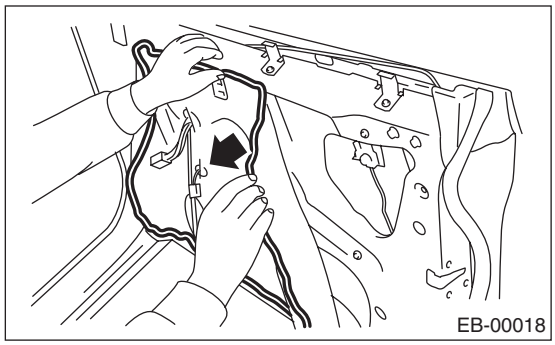
A: REMOVAL

1) Disconnect the ground cable from the battery.
2) Remove the front door trim. <Ref. to EI-41, REMOVAL, Front Door Trim.>
3) Remove the front speaker. <Ref. to ET-7, REMOVAL, Front Speaker.>
4) Remove the door trim bracket.



5) Remove the sealing cover.

NOTE:
• Carefully remove the butyl tape. Excessive force will easily break the cover.
• If cover gets broken, replace it with a new part.



B: INSTALLATION

1) Install in the reverse order of removal.
2) When replacing the sealing cover, use the butyl tape.
3) Press the butyl tape-applied area firmly to prevent any floating on surface.

Butyl tape:
3M 8626 or equivalent

NOTE:
• Apply a uniform bead of butyl tape.
• Attach the sealing cover, keeping it from becoming wrinkled.
• Breaks in the bead will allow water leakage and contamination.

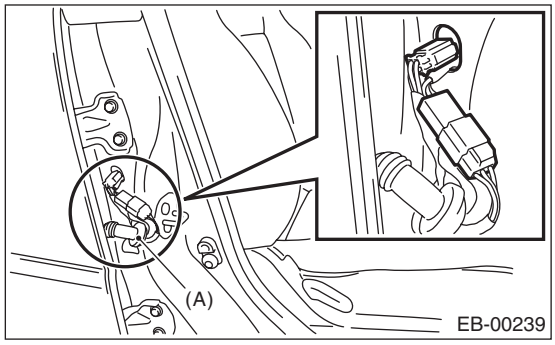
C: INSPECTION

If the sealing cover gets damaged, replace it with a new part.

6. Rear Door

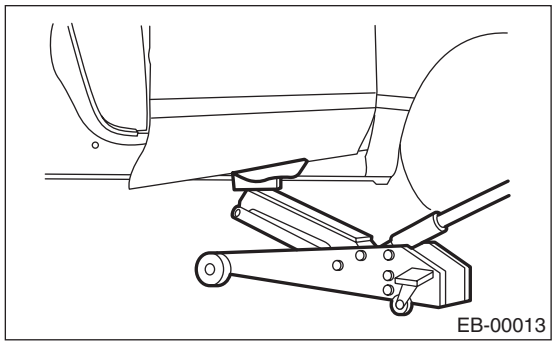
A: REMOVAL

1) Disconnect the ground cable from the battery.
2) Remove the rear door trim. <Ref. to EI-42, REMOVAL, Rear Door Trim.>
3) Remove the rear door glass. <Ref. to GW-21, REMOVAL, Rear Door Glass.>
4) Remove the rear door regulator and motor assembly. <Ref. to GW-23, REMOVAL, Rear Regulator and Motor Assembly.>
5) Remove the rear door latch. <Ref. to SL-35, REMOVAL, Rear Door Latch and Door Lock Actuator Assembly.>
6) Remove the rear outer handle. <Ref. to SL-34, REMOVAL, Rear Outer Handle.>
7) Remove the connection of rubber dust (A) from center pillar, pull out the connection of door harness to separate.

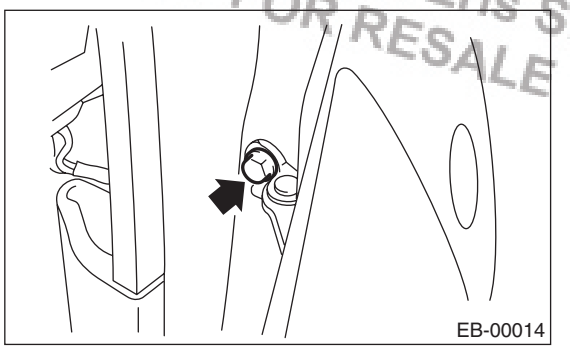


8) Put a wooden block on jack and place jack under the rear door. Support the rear door with jack to protect it.

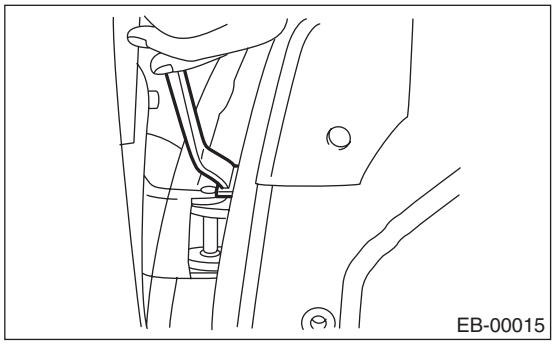
NOTE:
When supporting with jack, do not deform the hinge portion of door during work.



9) Remove the checker bolts.



10) Remove the door-side bolts for upper and lower hinges to remove the rear door panel.



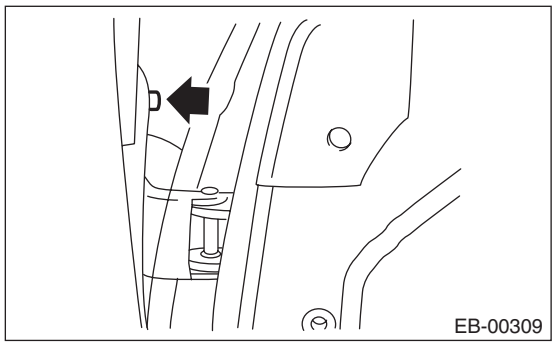
B: INSTALLATION

1) Install in the reverse order of removal.
2) Apply grease to the moving part of door hinges.

Tightening torque:
Refer to "COMPONENT" of "General Description". <Ref. to EB-9, REAR DOOR PANEL, COMPONENT, General Description.>

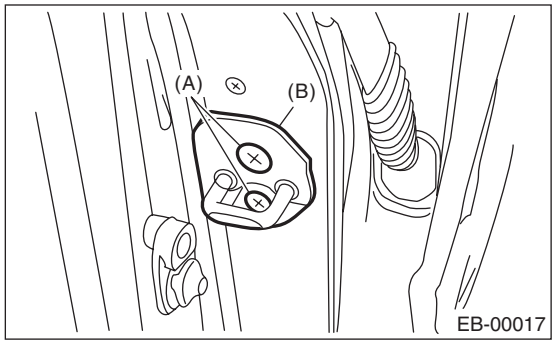
C: ADJUSTMENT

1) Open the rear door, loosen the body-side bolts of upper and lower hinges to align the position for vertical and horizontal direction of rear door panel.



2) Loosen the screw (A) and tap striker (B) using plastic hammer to adjust the gap between rear end surface of rear door panel and body surface.

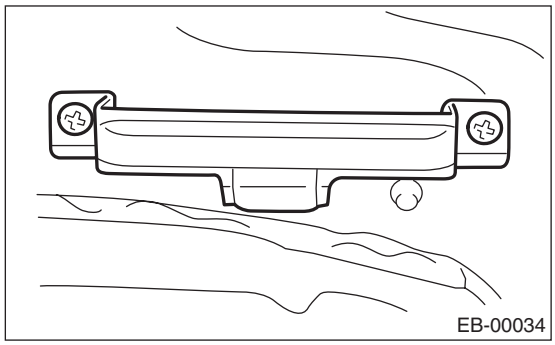
CAUTION:
Do not use an impact wrench. Welding area on the striker nut plate is easily broken.



7. Rear Sealing Cover

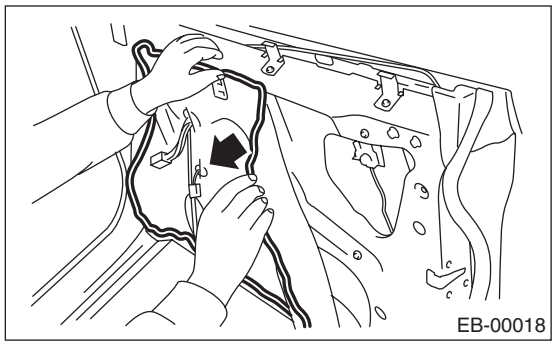
A: REMOVAL

1) Disconnect the ground cable from the battery.
2) Remove the rear door trim. <Ref. to EI-42, REMOVAL, Rear Door Trim.>
3) Remove the rear speaker. <Ref. to ET-9, REMOVAL, Rear Speaker.>
4) Remove the door trim bracket.


EB-00034

5) Remove the sealing cover.

NOTE:
• Carefully remove the butyl tape. Excessive force will easily break the cover.
• If cover gets broken, replace it with a new part.


EB-00018

B: INSTALLATION

1) Install in the reverse order of removal.
2) When replacing the sealing cover, use the butyl tape.
3) Press the butyl tape-applied area firmly to prevent any floating on surface.

Butyl tape:
3M 8626 or equivalent

NOTE:
• Apply a uniform bead of butyl tape.
• Attach the sealing cover, keeping it from becoming wrinkled.
• Breaks in the bead will allow water leakage and contamination.

C: INSPECTION

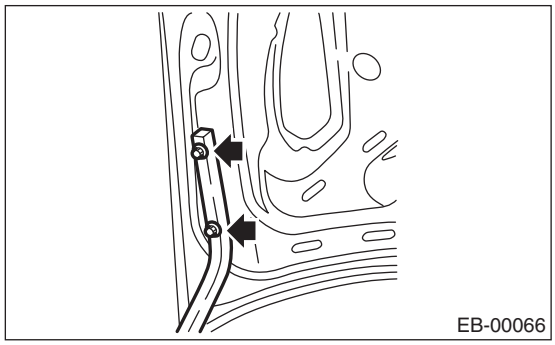
If the sealing cover gets damaged, replace it with a new part.

8. Trunk Lid

A: REMOVAL

1. TRUNK LID

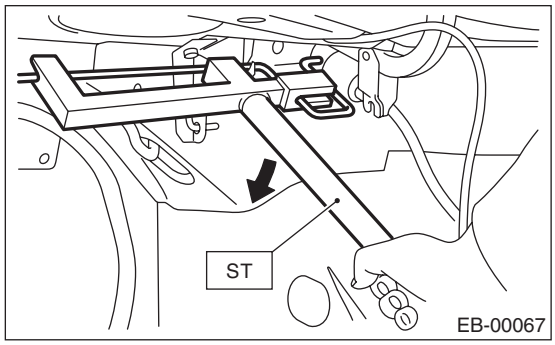
1) Open the trunk lid.
2) Disconnect the trunk lid connector.
3) Loosen the trunk lid mounting bolts to remove the trunk lid from hinges.



2. TORSION BAR

1) Open the trunk lid.
2) Using the ST, remove the torsion bar from the hinge link.
ST 927780000 REMOVER

CAUTION:
During removal and installation, handle the torsion bar carefully, because it will generate reactive force.



3) Remove the torsion bars RH/LH.

CAUTION:
Be careful not to get hit by the trunk lid, because the trunk lid will slam shut after the torsion bar is removed.

B: INSTALLATION

Install in the reverse order of removal.

NOTE:
- Install the trunk lid with uniform clearance.
- Apply grease to the rotating area of hinges and the torsion bar.

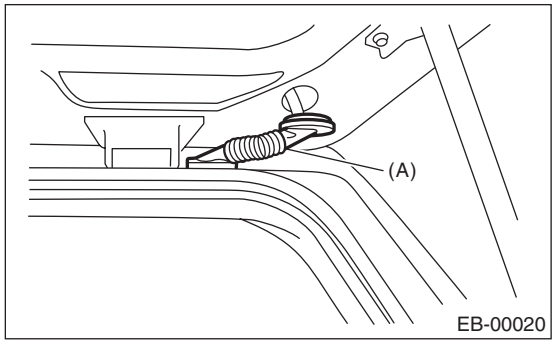
Tightening torque:
Refer to "COMPONENT" of "General Description". <Ref. to EB-10, TRUNK LID PANEL, COMPONENT, General Description.>

9. Rear Gate

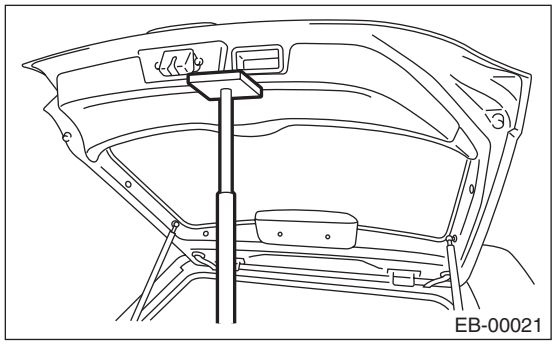
A: REMOVAL

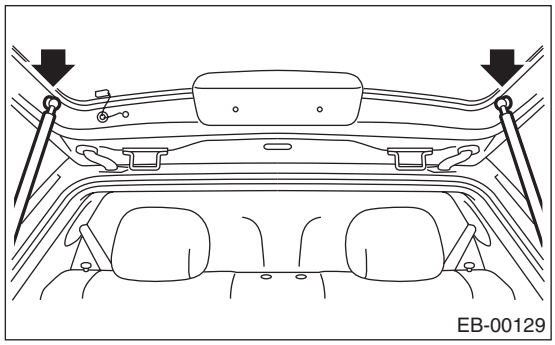
1. REAR GATE PANEL

1) Disconnect the ground cable from the battery.
2) Open the rear gate.
3) Remove the rear gate outer handle. <Ref. to SL-37, REMOVAL, Rear Gate Outer Handle.>
4) Remove the rear gate latch assembly. <Ref. to SL-38, REMOVAL, Rear Gate Latch Assembly.>
5) Remove the rear wiper. <Ref. to WW-17, REMOVAL, Rear Wiper Motor.>
6) Disconnect the connectors of rear wiper, rear defogger, and other lighting devices.
7) Disconnect the washer hose.
8) Remove the rubber duct (A) connection, and pull out the harness and washer hose from the rear gate.



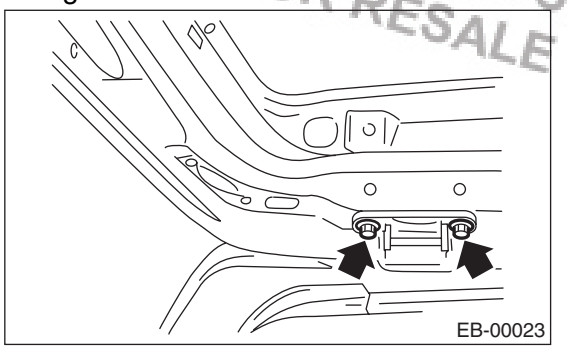
9) Support the rear gate using a support jack while removing the rear gate damper stay mounting bolts.





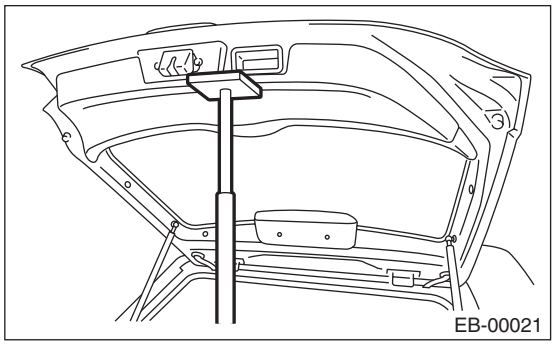
CAUTION:
When the support jack that is supporting the rear gate is released, rear gate may hit and damage the body. To prevent this, place a cloth between body and gate.

10) Remove the rear gate bolts, and then remove the rear gate.



2. REAR GATE DAMPER STAY

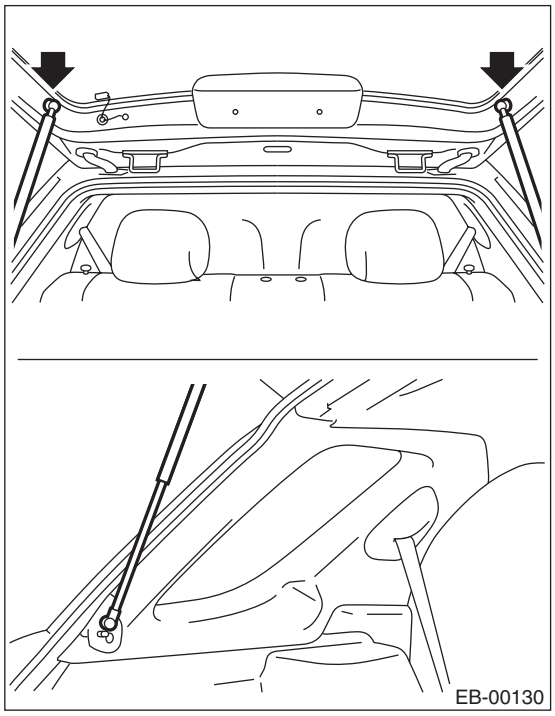
1) Open the rear gate. Support the rear gate using the support jack.



NOTE:
After the rear gate damper stay is removed, the rear gate cannot stay in the open position. Support the rear gate with a support jack when removing the bolts.

CAUTION:
- **Do not damage piston rods and oil seals.**
- **Never disassemble cylinders: They contain gas.**

2) Loosen the bolts to remove rear gate damper stay from the rear gate.



B: INSTALLATION

1. REAR GATE PANEL

1) Install in the reverse order of removal.
2) Install the rear gate with uniform clearance to the body.

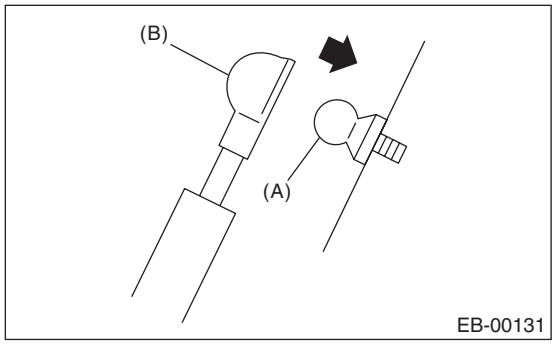
Tightening torque:
Refer to "COMPONENT" of "General Description". <Ref. to EB-10, TRUNK LID PANEL, COMPONENT, General Description.>

CAUTION:
Do not damage the painted surfaces of body and rear gate panel.

2. REAR GATE DAMPER STAY

1) Install the mounting bolt (A) to the rear gate and body.

Tightening torque:
19.6 N·m (2.0 kgf-m, 14.5 ft-lb)
2) Securely install the rear gate damper stay (B) to the mounting bolt (A).

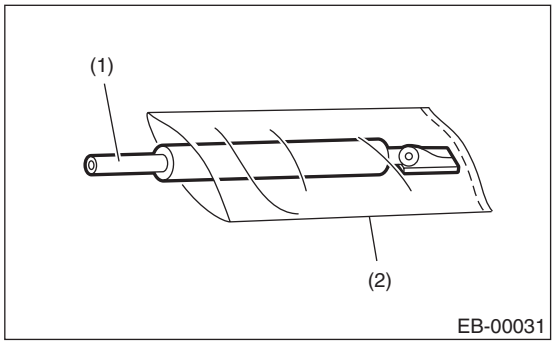


NOTE:
Before starting work, support the rear gate with a support jack.

C: DISPOSAL

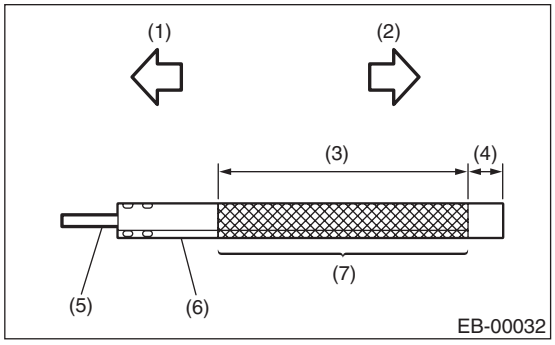
1. REAR GATE DAMPER STAY

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) Rear gate damper stay
(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 in 2 to 3 mm (0.08 to 0.12 in) diameter at a point 10 to 200 mm (0.39 to 7.87 in) from door side, and bleed rear gate damper stay gas stay completely.



(1) Body side
(2) Door side
(3) 190 mm (7.48 in)
(4) 10 mm (0.39 in)
(5) Piston rod
(6) Cylinder
(7) Portion to be drilled